

2014-19 की अवधि के लिए टैरिफ को ड्रूंग अप करने के लिए याचिका

और

चमेरा-1 पावर स्टेशन के संबंध में 2019 - 24 तक की अवधि के लिए टैरिफ याचिका

एनएचपीसी लिमिटेड

(भारत सरकार का उद्यम)



वाणिज्यिक प्रभाग

एनएचपीसी कार्यालय परिसर

सेक्टर-33, फरीदाबाद (हरियाणा) - 121003

वॉल्यूम- I

माननीय केंद्रीय विद्युत विनियामक आयोग, नई दिल्ली के समक्ष

याचिका संख्या /जीटी/2019

निम्नलिखित के विषय में:

चमेरा-। पावर स्टेशन के संबंध में 2014-19 की अवधि के लिए पूंजीगत व्यय को सही करने हेतु केंद्रीय विद्युत विनियामक आयोग (कार्य संचालन), विनियमावली, 1999 के विनियम 79(1) और 86, विद्युत अधिनियम, 2003 की धारा 62(1)(क) और केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क के निबंधन और शर्तें) विनियामवली, 2009 के विनियम 14(3) और 25(3) के अंतर्गत याचिका ।

और

चमेरा-। पावर स्टेशन के संबंध में 2019-24 की अवधि के लिए प्रशुल्क (टैरिफ) के निर्धारण हेतु केंद्रीय विद्युत विनियामक आयोग (कार्य संचालन), विनियमावली, 1999 के विनियम 79(1) और 86, विद्युत अधिनियम, 2003 की धारा 62(1)(क) और केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क के निबंधन और शर्तें) विनियामवली, 2014 के विनियम 9(2), 10(1), 12, 25, 26 और 35(2) के अंतर्गत याचिका ।

याचिकाकर्ता :

एनएचपीसी लिमिटेड

(भारत सरकार का उद्यम)

एनएचपीसी कार्यालय परिसर,

सेक्टर-33, फरीदाबाद - 121 003

प्रतिवादीगण :

1. अध्यक्ष,

पंजाब राज्य विद्युत निगम लिमिटेड

दँ माल, निकट कालीबाडी मंदिर,

पटियाला - 147 001 (पंजाब)

और 13 अन्य

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एनएचपीसी लिमिटेड के माध्यम से
(एम.जी. गोखले)
महाप्रबंधक (वाणिज्यिक)

स्थान : फरीदाबाद

दिनांक : 23.10.2019

निम्नलिखित के विषय में:

चमेरा-। पावर स्टेशन के संबंध में 2014-19 की अवधि के लिए पूंजीगत व्यय को सही करने हेतु केंद्रीय विद्युत विनियामक आयोग (कार्य संचालन), विनियमावली, 1999 के विनियम 79(1) और 86, विद्युत अधिनियम, 2003 की धारा 62(1)(क) और केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क के निबंधन और शर्तें) विनियामवली, 2009 के विनियम 14(3) और 25(3) के अंतर्गत याचिका ।

और

चमेरा-। पावर स्टेशन के संबंध में 2019-24 की अवधि के लिए प्रशुल्क (टैरिफ) के निर्धारण हेतु केंद्रीय विद्युत विनियामक आयोग (कार्य संचालन), विनियमावली, 1999 के विनियम 79(1) और 86, विद्युत अधिनियम, 2003 की धारा 62(1)(क) और केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क के निबंधन और शर्तें) विनियामवली, 2014 के विनियम 9(2), 10(1), 12, 25, 26 और 35(2) के अंतर्गत याचिका ।

याचिकाकर्ता :

एनएचपीसी लिमिटेड

(भारत सरकार का उद्यम)

एनएचपीसी कार्यालय परिसर,

सेक्टर-33, फरीदाबाद - 121 003

प्रतिवादीगण :

- | | |
|---|--|
| 1. अध्यक्ष,
पंजाब राज्य विद्युत निगम लिमिटेड
दें माल, निकट काली बाड़ी मंदिर
पटियाला - 147001 (पंजाब) | 2. अध्यक्ष
हरियाणा विद्युत खरीद केंद्र
शक्ति भवन, सेक्टर-6,
पंचकूला (हरियाणा) |
| 3. मुख्य कार्यकारी अधिकारी,
बीएसईएस राजधानी पावर लिमिटेड,
बीएसईएस भवन,
नेहरु प्लेस, नई दिल्ली-10019 | 4. मुख्य कार्यकारी अधिकारी
बीएसईएस यमुना पावर लिमिटेड
शक्ति किरण भवन,
कडकडूमा दिल्ली-110072 |

5. मुख्य प्रचालन अधिकारी,
टाटा पावर दिल्ली डिस्ट्रिब्यूशन
लिमिटेड,
33केवी उप स्टेशन बिल्डिंग,
हडसन लेन, किंग्सवे कैम्प,
नई दिल्ली-110009
6. अध्यक्ष,
हिमाचल प्रदेश राज्य विद्युत बोर्ड,
विद्युत भवन, कुमार हाउस,
शिमला -171004 (हिमाचल प्रदेश)
7. अध्यक्ष
उत्तर प्रदेश विद्युत निगम लिमिटेड
शक्ति भवन, 14, अशोक मार्ग,
लखनऊ-226001 (उत्तर प्रदेश)
8. प्रबंध निदेशक,
अजमेर विद्युत वितरण निगम लिमिटेड, पुराना
पावर हाउस,
हाथी भट्टा, जयपुर रोड,
अजमेर -305 001 (राजस्थान)
9. प्रबंध निदेशक,
जयपुर विद्युत वितरण निगम लिमिटेड,
विद्युत भवन, जनपथ,
जयपुर-302005
10. प्रबंध निदेशक,
जोधपुर विद्युत वितरण निगम लिमिटेड, नया
पावर हाउस, औद्योगिक क्षेत्र,
जोधपुर - 342003 (राजस्थान)
11. अध्यक्ष एवं प्रबंध निदेशक,
उत्तरांचल विद्युत निगम लिमिटेड,
ऊर्जा भवन, कंवली रोड,
देहरादून-248001 (उत्तराखंड)
12. मुख्य अभियंता एवं सचिव,
इंजीनियरी विभाग, प्रथम तल,
यूटी सचिवालय, सेक्टर-9डी, चंडीगढ़-160009
13. प्रधान सचिव,
विद्युत विकास विभाग, नया सचिवालय,
जम्मू - 180001(जम्मू एवं कश्मीर)

चमेरा-1 विद्युत स्टेशन के संबंध में सीईआरसी (कार्यसंचालन) विनियमावली, 1999 के विनियम 79(1) और 86, विद्युत अधिनियम, 2003 की धारा 62(1)(क) और सीईआरसी (प्रशुल्क की निबंधन एवं शर्तें) विनियमावली, 2014 के विनियम 8, 14(3) और 25(3) तथा इसके उत्तरवर्ती संशोधन तथा सीईआरसी (प्रशुल्क की निबंधन एवं शर्तें) विनियमावली, 2019 के विनियम 9(2), 10(1), 12, 25, 26 और 35(2) के अंतर्गत याचिका।

आदरपूर्वक यह प्रस्तुत किया जाता है कि:

1. एनएचपीसी लिमिटेड, जिसे इसके बाद 'एनएचपीसी' कहा गया है, कंपनी अधिनियम, 1956 के आशय से भारत सरकार की एक कंपनी है। इसके अतिरिक्त, यह विद्युत अधिनियम, 2003 की धारा 2(28) के तहत यथापरिभाषित एक 'उत्पादन कंपनी' है।
2. चमेरा-1 विद्युत स्टेशन (जिसे एतदपश्चात 'चमेरा-1'/'विद्युत स्टेशन' कहा गया है) (3x180 = 540 मेगावाट), जो हिमाचल प्रदेश राज्य में स्थित है, को दिनांक 01.05.1994 को वाणिज्यिक प्रचालन के तहत घोषित किया गया है।
3. एनएचपीसी ने चमेरा-1 का निर्माण किया है और वह अपने वाणिज्यिक प्रचालन से ही इसका प्रचालन और अनुरक्षण कर रहा है। इस विद्युत स्टेशन से उत्पादित विद्युत उत्तरी क्षेत्र में विभिन्न बड़े विद्युत लाभार्थियों/उपभोक्ताओं/उत्तराधिकारी यूटिलिटियों अर्थात प्रतिवादियों को उनके साथ हस्ताक्षरित विद्युत क्रय करारों (पीपीए)/बीपीएसए के तहत आपूर्ति की जा रही है।
4. विद्युत अधिनियम, 2003 की धारा 62 के तहत किसी वितरण लाइसेंसी को एक उत्पादन कंपनी द्वारा विद्युत की आपूर्ति के लिए उपयुक्त आयोग द्वारा प्रशुल्क के निर्धारण के लिए प्रावधान है। माननीय आयोग ने विद्युत अधिनियम, 2003 की धारा 79(1)(क) के तहत केंद्रीय सरकार के स्वामित्व वाली अथवा नियंत्रणाधीन उत्पादक कंपनियों के प्रशुल्क को विनियमित करने के लिए न्याय क्षेत्र का अधिकार प्रदान किया गया है।
5. माननीय आयोग ने याचिका सं. 237/जी टी/2014 में अपने दिनांक 04.09.2015 के आदेश के तहत दिनांक 01.04.2014 से 31.03.2019 की प्रशुल्क अवधि के लिए चमेरा-1 का प्रशुल्क निर्धारित किया था, जिसे बाद में केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क की निबंधन एवं शर्तें) विनियमावली, 2014 और तत्संबंधी उत्तरवर्ती संशोधनों के अनुसार दिनांक 04.12.2015 के आदेश के तहत संशोधित किया गया था।

भाग-क : वर्ष 2014-19 की अवधि के लिए प्रशुल्क का ड्रइंग-अप

6. माननीय आयोग द्वारा अपने दिनांक 04.09.2015 के आदेश के द्वारा अनुमत परियोजित अतिरिक्त पूंजीकरण एवं पूंजीविहीनता (जिसमें, देयताएं, यदि कोई हों, की पूर्ति करना शामिल है) का सारांश नीचे दिया गया है:

(लाख ₹ में)

वर्ष	2014-15	2015-16	2016-17	2017-18	2018-19
अनुमत अतिरिक्त पूंजी व्यय	697.00	4407.00	152.00	82.00	20.00
अनुमत पूंजीविहीनता	115.38	28.24	84.67	18.28	0.00
अनुमत निवल अतिरिक्त पूंजी व्यय	581.62	4378.76	67.33	63.72	20.00

7. माननीय आयोग के दिनांक 04.09.2015 के आदेश और उसके बाद दिनांक 04.12.2015 के संशोधन के तहत अनुमत वार्षिक नियत प्रभारों (एएफसी) के ब्यौरे जिन पर प्रारंभिक पूंजीगत लागत 204415.75 लाख रु. (01.04.2014 की स्थिति के अनुसार) और उससे अधिक के अतिरिक्त पूंजीकरण पर विचार करते हुए इस प्रकार हैं:

(लाख ₹ में)

विवरण	2014-15	2015-16	2016-17	2017-18	2018-19
इक्विटी पर प्रतिफल	13246.30	13401.63	13540.85	13544.96	13547.58
ऋण पर ब्याज	0.00	0.00	0.00	0.00	0.00
मूल्यहास	4170.59	4334.05	4488.33	4497.62	4510.21
कार्यशील पूंजी पर ब्याज	990.06	1036.55	1085.05	1129.87	1177.70
ओपेंडएम खर्च	10664.95	11373.53	12129.19	12935.05	13794.46
एएफसी	29071.90	30145.76	31243.42	32107.50	33029.95

8. वर्तमान याचिका 2014-19 की अवधि के लिए प्रशुल्क के ड्रइंग-अप के वास्ते सीईआरसी (प्रशुल्क की निबंधन एवं शर्तें) विनियमावली, 2014 के विनियम 8, 14 और 25 के अनुसार दायर की जा रही है। विनियम 8, 14 और 25 के संबंधित उद्धरण को यहां नीचे फिर से प्रस्तुत किया जाता है:

"8. ड्रइंग-अप

(1) आयोग ड्रइंग-अप बनाते समय आयोग द्वारा विवेकसम्मत जांच के बाद स्वीकृति अनुसार 31.03.2019 तक खर्च किए गए अतिरिक्त पूंजीगत व्यय सहित पूंजीगत व्यय के संबंध में अगली प्रशुल्क अवधि के लिए दाखिल की गई प्रशुल्क संबंधी याचिका के साथ-साथ ड्रइंग-अप चार्ज करेगा।

परंतु यह कि यथास्थिति उत्पादक कंपनी या पारेषण लाइसेंसी टैरिफ के पुनरीक्षण के लिए वित्त वर्ष 2016-17 में अतिरिक्त पूंजी व्यय सहित पूंजी व्यय को अंतरिम तौर पर ड्रइंग-अप बनाने के लिए एक आवेदन पत्र प्रस्तुत करेगा।

(2) उत्पादक स्टेशन निम्नलिखित नियंत्रणीय मानदंडों के कार्यपालन के आधार पर उत्पादन केंद्र के प्रशुल्क को ड्रइंग-अप बनाएंगे:

- क) नियंत्रणीय मानदंड:
- i) केंद्र ताप कर;
 - ii) गौण ईंधन तेल खपत;
 - iii) सहायक ऊर्जा खपत; और
 - iv) ऋणों का पुनर्वित्तपोषण

(8) उत्पादक कंपनी एवं पारेषण लाइसेंसी, जैसा भी मामला हो, इस विनियमावली के विनियम 25 के खंड 3 के अनुसार इक्विटी पर प्रतिफल की ग्रॉस-अप दर का ड्रइंग-अप करेगा।

“14. अतिरिक्त पूंजीकरण और पूंजीविहीनता:

(3) अंतिम तिथि के बाद निम्नलिखित आधारों पर संचार प्रणाली सहित मौजूदा उत्पादक स्टेशन अथवा पारेषण प्रणाली के संबंध में, किये गये अथवा किये जाने के लिए परियोजित पूंजीगत व्यय को आयोग द्वारा तर्कसंगतता की जांच पड़ताल किये जाने के अध्यक्षीन स्वीकार किया जा सकता है:

- (i) मध्यस्थता के निर्णय को पूरा करने के लिए अथवा इस आदेश या किसी विधि न्यायालय की डिक्री के अनुपालन के लिए दायित्व;
- (ii) कानून में परिवर्तन अथवा किसी मौजूदा कानून का अनुपालन;
- (iii) राष्ट्रीय सुरक्षा/आंतरिक सुरक्षा के लिए उत्तरदायी सांविधिक प्राधिकारियों की उपयुक्त सरकारी एजेंसियों द्वारा दी गई सलाह अथवा निदेश के अनुसार

संयंत्र की अधिक सुरक्षा की आवश्यकता के आधार पर किया जाने वाला कोई अन्य खर्च;

- (iv)
- (v) अंतिम तिथि के पूर्व निष्पादित किए गए कार्य, इस प्रकार के अदायगी न किये गये दायित्व, पैकेज की कुल अनुमानित लागत, इस प्रकार के भुगतान को रोकने के कारण और इस प्रकार के भुगतानों को जारी करने आदि के ब्यौरे की तर्कसंगतता की जांच के बाद कोई दायित्व;
- (vi) वास्तविक भुगतानों के द्वारा इस प्रकार के दायित्वों के अदायगी की सीमा तक अंतिम तिथि के बाद आयोग द्वारा स्वीकार किये गये कार्यों के लिए कोई दायित्व;
- (vii)
- (viii) हाइड्रो उत्पादक स्टेशनों के मामले में, कोई व्यय जो प्राकृतिक आपदाओं के कारण क्षति (लेकिन उत्पादक कंपनी की लापरवाही के कारण विद्युत गृह में पानी के जमा होने के कारण नहीं) के कारण और किसी बीमा योजना से प्राप्त राशियों के समायोजन के बाद भू-गर्भीय कारणों से आवश्यक हो गया हो और किसी अतिरिक्त कार्य के कारण किये गये व्यय जो सफल और दक्ष संयंत्र प्रचालन के लिए आवश्यक हो गया हो;
- (ix)
- (x)

बशर्ते कि अंतिम तिथि के बाद के बाद खरीदे गये औजार और सामानों, फर्नीचर, एयर कंडीशनर, वोल्टेज स्टेबलाइजर, रेफ्रिजरेटर, कूलर, कंप्यूटर, पंखे, वाशिंग मशीन, हीट कंवेक्टर, मैट्रेस, कालीनों आदि सहित छोटी-छोटी मदों अथवा परिसंपत्तियों की खरीद करने पर किसी व्यय पर विचार 01.04.2014 से प्रशुल्क के निर्धारण के लिए अतिरिक्त पूंजीकरण के वास्ते नहीं किया जायेगा :

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“25. इक्विटी पर प्रतिफल पर कर:

(3) उत्पादक कंपनी अथवा पारेषण लाइसेंसी, जैसा भी मामला हो, किसी वित्तीय वर्ष की वास्तविक सकल आयकर प्रशुल्क अवधि 2014-15 से 2018-19 तक के संबंध में आयकर प्राधिकारियों से प्राप्त ब्याज सहित कर के किसी प्रतिदाय के लिए विधिवत समायोजित, उस पर ब्याज सहित किसी अतिरिक्त कर मांग के साथ-साथ भुगतान किये गये वास्तविक कर पर आधारित प्रत्येक वित्तीय वर्ष के अंत में इक्विटी पर प्रतिफल के ग्रॉस-अप दर का टूइंग-अप करेगा। तथापि, कर राशि के

जमा करने अथवा लघु रूप में जमा करने में विलंब के कारण लगने वाले दण्ड, यदि कोई हो, का दावा उत्पादक कंपनी अथवा पारेषण लाइसेंसी, जैसा भी मामला हो, के द्वारा नहीं किया जायेगा। डूइंग-अप के बाद इक्विटी पर प्रतिफल पर कर अथवा कटौती पूर्व दर की किसी कम वसूली अथवा अधिक वसूली को लाभार्थियों अथवा दीर्घावधि पारेषण उपभोक्ताओं/डीआईसी, जैसा भी मामला हो, से वर्ष दर वर्ष आधार पर वसूला जायेगा अथवा वापिस किया जायेगा।”

9. माननीय आयोग ने दिनांक 08.03.2017 के स्वयं प्रेरित आदेश सं. 03/एसएम/2017 के द्वारा सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 8(1) के अंतर्गत प्रशुल्क के अंतरिम डूइंग-अप के प्रावधान की समीक्षा की है। उक्त आदेश के पैरा 4 को नीचे फिर से प्रस्तुत किया जा रहा है :

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“उत्पादक कंपनियों और पारेषण लाइसेंसियों के लिए यह अनिवार्य नहीं होगा कि वे प्रशुल्क विनियमावली, 2014 के विनियम 8 के खंड (1) के परंतुक के संबंध में अंतरिम डूइंग-अप के लिए आवेदन दायर करें। उत्पादक कंपनियां अथवा पारेषण लाइसेंसी प्रशुल्क अवधि के अंत में डूइंग-अप के लिए आवेदन करेंगे। केवल उन मामलों में, जहां यह अंतर अनुमत वार्षिक नियत प्रभारों का 30 प्रतिशत से अधिक है, उत्पादक कंपनी अथवा पारेषण लाइसेंसी अंतरिम डूइंग-अप के लिए आयोग से संपर्क कर सकते हैं।”

10. चमेरा-I के मामले में, एएफसी में भिन्नता वर्ष 2014-15 और 2015-16 के दौरान 30% से कम थी। तदनुसार, याचिकाकर्ता ने वर्ष 2016-17 के दौरान अंतरिम डूइंग-अप के लिए माननीय आयोग से अनुरोध नहीं किया है।

11. उपर्युक्त को देखते हुए, वर्तमान याचिका निम्नलिखित कारणों से दायर की जाती है:

क. सीईआरसी द्वारा दिनांक 04.09.2015 के आदेश के तहत अतिरिक्त पूंजी व्यय में भिन्नता अनुमत है और चमेरा-I द्वारा वर्ष 2014-19 के दौरान वास्तविक अतिरिक्त पूंजी व्यय किया गया। इसके अलावा, सीईआरसी द्वारा अनुमति दिए गए कुछ अतिरिक्त पूंजी व्यय (अनुरूपी लोप सहित) नहीं किया गया/नहीं किया जाना है और इसलिए अब इस याचिका में अभ्यर्पित किया जा रहा है।

ख. कतिपय अतिरिक्त पूंजीगत व्यय हैं जिन्हें पूर्व में परियोजित नहीं किया गया था, तथापि विद्युत स्टेशन द्वारा स्थल विशिष्ट आवश्यकताओं के कारण खर्च किया गया था, जो सफल और दक्ष संयंत्र प्रचालन के लिए आवश्यक है। इस

प्रकार के अतिरिक्त पूंजीकरण को प्रशुल्क के उद्देश्य से पूंजीगत आधार के भाग के रूप में शामिल किये जाने की आवश्यकता है।

- ग. सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 25(3) के अनुरूप 2014-19 की अवधि के लिए एनएचपीसी पर लागू 'प्रभावी कर दर' के आधार पर इक्विटी पर प्रतिफल की ग्रॉस-अप दर का ड्रिंग-अप करना।
- घ. सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 8(2)(क)(iii) के अनुसार 2014-19 की अवधि के लिए वास्तविक सहायक ऊर्जा खपत (एयूएक्स) के आधार पर उत्पादक स्टेशन के प्रशुल्क का ड्रिंग-अप करना।
- ङ. सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 8(2)(क)(iv) के अनुसार ऋण के पुनर्वित्तपोषण के आधार पर उत्पादक स्टेशन के प्रशुल्क का ड्रिंग-अप करना।

12. प्रशुल्क के लिए दावा किए जाने वाले निवल अतिरिक्त पूंजीकरण का ब्यौरा 2014-19 की अवधि के लिए खाते के अनुसार वास्तविक पूंजी अभिवृद्धि से लिया गया है। उसका ब्यौरा नीचे तालिका में दिया गया है:

(लाख ₹ में)

क्र.सं.	विवरण	14-15	15-16	16-17	17-18	18-19
क.	जोड़ें: वर्ष/अवधि के दौरान अभिवृद्धि	395.14	551.47	246.84	645.40	2,770.94
ख.	घटाएं: वर्ष/अवधि के दौरान पूंजीविहीनता	13.53	62.22	60.51	24.81	948.66
ग.	जोड़ें: वर्ष/अवधि के दौरान अदायगी	187.07	1.81	0.00	22.70	90.51
घ.	निवल अभिवृद्धि (क-ख+ग)	568.67	491.06	186.33	643.30	1,912.79

13. कतिपय अतिरिक्त पूंजीकरण है जिनका पूर्व में याचिका सं. 237/जीटी/2014 में दावा नहीं किया गया था और उत्पादक स्टेशन के सफल और दक्ष प्रचालन के लिए आवश्यक हो गया है। इन कार्यों को विद्युत स्टेशन के स्थल की आवश्यकता के अनुसार किया गया है और इसका पूंजीकरण 2014-19 की अवधि के लिए खातों में किया गया है। इस प्रकार के अतिरिक्त पूंजीकरण के संबंध में दावा फार्म 9क में विस्तृत औचित्य के साथ किया गया है। माननीय आयोग से यह अनुरोध किया जाता है कि वे उत्पादक स्टेशन के प्रशुल्क के उद्देश्य से इस प्रकार के अतिरिक्त पूंजीकरण की अनुमति दें।
14. भारतीय लेखांकन मानक (नए लेखांकन मानक) को स्वीकार किये जाने के साथ, कलपुर्जा का हिसाब भारतीय लेखांकन मानक 16-संपत्ति, संयंत्र और उपस्कर के अनुसार दिया जाना है। तदनुसार, विद्युत स्टेशन के वित्तीय विवरण में कलपुर्जा का

वर्षन वित्तीय वर्ष 2016-17 से बदल दिया गया है। भारतीय लेखांकन मानक के प्रावधानों के अनुरूप, कुछ कलपुर्जों जिनकी खपत वित्तीय वर्ष 2016-17 से की गई है के संबंध में दावा संबंधित वर्षों के दौरान प्रतिस्थापन के विरुद्ध किया गया है। तथापि, उन कलपुर्जों, जिनका पूंजीकरण किया गया है लेकिन उनकी खपत नहीं की गई है, को अपवर्जन श्रेणी (फार्म 9घ) के अंतर्गत रखा गया है और प्रशुल्क के लिए उसके संबंध में दावा नहीं किया गया है क्योंकि इन परिसंपत्तियों का वास्तविक रूप में उपयोग संबंधित वर्षों के दौरान नहीं किया गया है। इस प्रकार की परिसंपत्तियों के संबंध में दावा प्रशुल्क के लिए उस वर्ष में किया जायेगा जिस वर्ष में इन परिसंपत्तियों का वास्तविक रूप में उपयोग पुरानी परिसंपत्तियों के पूंजीविहीनता के द्वारा किया गया है। इसके अलावा, लघु परिसंपत्तियों, औजारों और साज सामानों, फर्नीचर, कंप्यूटर आदि की प्रकृति में कतिपय मदों जिन्हें सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 14(3)(x) के प्रावधानों के अनुसार अंतिम तिथि के बाद प्रशुल्क के उद्देश्य से पूंजीकरण किये जाने के लिए मंजूर नहीं किया गया है, को अपवर्जन श्रेणी (फार्म 9घ) के अंतर्गत रखा गया है। इस प्रकार की मदों के विलोपन को भी फार्म 9ख(i) में अपवर्जन श्रेणी के अंतर्गत रखा गया है क्योंकि सदृश्य सकारात्मक प्रविष्टियों को सीईआरसी द्वारा प्रशुल्क के उद्देश्य से अनुमति नहीं दी जा रही है। यह याचिका सं. 237/जीटी/2014 में दिनांक 04.09.2015 के आदेश के पैरा 36 में माननीय आयोग के निर्णय के अनुरूप भी है। तदनुसार, माननीय आयोग से यह अनुरोध किया जाता है कि वे प्रशुल्क के उद्देश्य से इस प्रकार की नकारात्मक प्रविष्टियों को निष्कासित/नजरअंदाज करें।

15. उपर्युक्त तथ्यों पर विचार करते हुए, सीईआरसी द्वारा पूर्व में दिनांक 04.09.2015 के आदेश के द्वारा अनुमत निवल अतिरिक्त पूंजीकरण और वर्तमान याचिका में 2014-19 के लिए दावा किये गये निवल वास्तविक अतिरिक्त पूंजीकरण का सारांश नीचे दिया गया है:

(लाख ₹ में)

वर्ष	2014-15	2015-16	2016-17	2017-18	2018-19
दिनांक 04.09.2015 के आदेश के द्वारा अनुमत निवल अतिरिक्त पूंजीकरण	581.62	4378.76	67.33	63.72	20.00
इस याचिका में दावा किया गया निवल वास्तविक अतिरिक्त पूंजीकरण	568.68	491.06	186.33	643.30	1912.79

16. **पूंजी लागत:** सीईआरसी द्वारा दिनांक 04.09.2015 के प्रशुल्क आदेश में विचार किये गये उपर्युक्त अतिरिक्त पूंजीकरण और 204415.75 लाख रु. (01.04.2014 की स्थिति के अनुसार) की आरंभिक पूंजी लागत पर विचार करते हुए, प्रशुल्क की गणना के लिए विचार की गई वर्ष-वार पूंजी लागत नीचे दी गई है:

विवरण	2014-15	2015-16	2016-17	2017-18	2018-19
आरंभिक पूंजी लागत	204415.75	204984.42	205475.48	205661.81	206305.11
वर्ष के दौरान निवल अतिरिक्त पूंजीकरण	568.68	491.06	186.33	643.30	1912.79
अंतिम पूंजी लागत	204984.42	205475.48	205661.81	206305.11	208217.90

17. वार्षिक नियत प्रभारों (एफसी) की गणना:

उपर्युक्त पूंजी लागत के आधार पर, प्रशुल्क के विभिन्न संघटकों को संबंधित विनियमों में यथाउल्लिखित निम्नलिखित तरीके से तय किया गया है:

क. इक्विटी पर प्रतिफल (आरओई):

क. चमेरा-1 विद्युत स्टेशन एक पॉडेज स्कीम है, इक्विटी पर प्रतिफल की गणना के लिए आधार दर सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 24(2) के अनुसार 16.5 प्रतिशत मानी गयी है।

ख. इक्विटी पर प्रतिफल की आधार दर को सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 25 के अनुसार, एनएचपीसी पर लागू 'प्रभावी कर दर' के साथ ग्रॉस-अप के रूप में ली गई है। उसका ब्यौरा अनुलग्नक-1 के फार्म-1(ii) में दिया गया है।

ख. मूल्यहास

चूंकि, चमेरा-1 ने अपने उपयोगी जीवनकाल के 12 वर्ष पहले ही पूरे कर लिए हैं, विद्युत स्टेशन के शेष उपयोगी जीवनकाल पर शेष मूल्यहास योग्य मूल्य के लिए सीईआरसी टैरिफ विनियमावली, 2014 के विनियम 27 के अनुरूप विचार किया गया है। इसके अलावा, याचिका सं. 237/जीटी/2014 में सीईआरसी के दिनांक 04.12.2015 के आदेश के अनुसार वर्ष 2014-19 की अवधि के लिए मूल्यहास की पुनः गणना की गई है और निवल संचित मूल्यहास 139106.67 लाख रुपए की 31.03.2014 तक पहले वसूली गई राशि पर विचार किया गया है।

ग. ऋण पर ब्याज:

इस परियोजना के लिए वास्तविक ऋण का पुनर्भुगतान पहले ही किया जा चुका है। वर्ष 2014-19 की अवधि के दौरान अतिरिक्त पूंजी व्यय के कारण नियामक

ऋण को भी पूर्णतया भुगतान किया गया मान लिया गया है क्योंकि परिकलित मूल्यहास इन वर्षों में नियामक ऋण की राशि से अधिक है। तदनुसार, सीईआरसी टैरिफ विनियमावली, 2014 के विनियम 26(3) के अनुरूप 2014-19 की प्रशुल्क अवधि के सभी वर्षों में ऋण पर ब्याज शून्य माना गया है।

घ. ओएण्डएम खर्च:

2014-19 की प्रशुल्क अवधि के लिए चमेरा-I के लिए लागू ओएण्डएम खर्चों को विद्युत स्टेशन के पिछले वर्षों के वास्तविक ओएण्डएम खर्च के आधार पर सीईआरसी (प्रशुल्क की निबंधन एवं शर्तें) विनियमावली, 2014 के माध्यम से माननीय आयोग द्वारा पहले अधिसूचित किया जा चुका है। तथापि, इन आंकड़ों को अंतिम रूप देते समय, "पूंजीगत कलपुर्जे", "पूंजी लागत में दावा न की गई/मंजूर न की गई लेखांकन पद्धति के अनुसार पूंजीगत प्रकृति का व्यय" आदि शीर्षों के अंतर्गत प्रविष्ट किये गये खर्चों को सीईआरसी द्वारा शामिल नहीं किया गया था/उस पर विचार नहीं किया गया था। यह कारणों का विवरण (एसओआर) के पैरा 29.43 से सीईआरसी (प्रशुल्क की निबंधन एवं शर्तें) विनियमावली, 2014 (पृष्ठ सं. 153) से स्पष्ट है कि जिसे नीचे फिर से प्रस्तुत किया जाता है:

"29.43 इसके अलावा, आयोग ने, इस तथ्य को देखते हुए प्रारूप विनियमावली में प्रस्तावित मानदंडों की संख्या दी है कि एनटीपीसी और एनएचपीसी सहित कुछ केंद्रीय उत्पादक कंपनियों ने "पूंजीगत कलपुर्जे" और "पूंजी लागत में दावा न की गई/मंजूर न की गई लेखांकन पद्धति के अनुसार पूंजीगत प्रकृति का व्यय" शीर्षों के अंतर्गत खर्चों की प्रविष्टि की है। आयोग ने इन मानदंडों को अपनाते समय "पूंजी लागत में दावा न की गई/मंजूर न की गई लेखांकन पद्धति के अनुसार पूंजीगत प्रकृति का व्यय" पर विचार नहीं किया था। आयोग से किये गये इस प्रकार के खर्च का ब्यौरा प्रस्तुत करने के लिए बार-बार पत्र व्यवहार किये जाने के बाद, एनटीपीसी ने बहुत बाद के चरण में पूंजी कलपुर्जे से संबंधित आंकड़े प्रस्तुत किये। आयोग ने प्रथम दृश्या यह टिप्पणी की कि पूंजीगत कलपुर्जे से संबंधित आंकड़े जिन्हें प्रस्तुत किया गया था, को अनुमोदित किये जाने के पूर्व विस्तृत छानबीन किये जाने की आवश्यकता है। एनएचपीसी ने इस संबंध में अपेक्षित आंकड़े प्रस्तुत नहीं किये। आयोग ने प्रथम दृश्या यह टिप्पणी की कि पूंजीगत कलपुर्जे से संबंधित आंकड़े जिन्हें प्रस्तुत किया गया था को अनुमोदित किये जाने के पूर्व विस्तृत छानबीन किये जाने की आवश्यकता है, एनएचपीसी ने इस संबंध में अपेक्षित आंकड़े प्रस्तुत नहीं किये। अतः आयोग ने ओएण्डएम खर्च के भाग के रूप में इस प्रकार के खर्चों को शामिल नहीं किया है। तथापि आयोग वास्तविक आंकड़ों की तर्कसंगतता जांच पड़ताल करने के बाद डूइंग-अप के समय उस पर पृथक रूप से विचार करेगा। उत्पादक स्टेशनों को यह सिद्ध करते हुए खपत किये

गये वर्ष-वार पूंजीगत कलपुर्जों का विवरण प्रस्तुत करना चाहिए कि उसे या तो प्रतिपूरक भत्ते अथवा विशेष भत्ते के माध्यम से निधि प्रदान नहीं की गई है और उसे अतिरिक्त पूंजीकरण के रूप में अथवा मरम्मत एवं अनुरक्षण खर्चों तथा भंडारों एवं कलपुर्जों की खपत जो कि ताप विद्युत तथा जल विद्युत उत्पादक स्टेशनों के लिए लागू है के भाग के रूप में इस प्रकार के खर्चों को प्रविष्ट नहीं किया है।”

सीईआरसी के उपर्युक्त निर्देशों के अनुरूप, 2014-19 के दौरान पूंजीगत कलपुर्जों की खपत का ब्यौरा वर्तमान याचिका के साथ प्रस्तुत किया गया है (अनुलग्नक-IV) जिसका सारांश नीचे दिया गया है:

(लाख ₹ में)

वर्ष	पूंजीगत कलपुर्जों की खपत
2014-15	104.16
2015-16	40.59
2016-17	6.81
2017-18	-
2018-19	-

चूंकि, हाइड्रो उत्पादन केंद्रों को अलग से प्रतिपूर्ति भत्ते नहीं दिए जा रहे हैं, अतः माननीय आयोग से अनुरोध है कि वर्ष 2014-19 के दौरान पहले से अनुमत प्रचालन एवं रख-रखाव व्ययों के अलावा उपरोक्त व्ययों की अलग से प्रतिपूर्ति की अनुमति प्रदान करें।

एक पृथक याचिका संख्या 235/एमपी/2019 पहले ही याचिकाकर्ता द्वारा 01.01.2016 से 31.03.2019 की अवधि के दौरान चमेरा-1 विद्युत स्टेशन में एनएचपीसी के कर्मचारियों और केंद्रीय विद्यालय (केवी)/दयानंद एंग्लो वैदिक (डीएवी) और केंद्रीय औद्योगिक सुरक्षा बल (सीआईएसएफ) के प्रतिनियुक्त कर्मचारियों के वेतन संशोधन के प्रभाव की वसूली के लिए प्रस्तुत की गई है।

ड. कार्यशील पूंजी पर ब्याज

कार्यशील पूंजी पर ब्याज की गणना सीईआरसी टैरिफ विनियमावली, 2014 के विनियम 28(3) के अनुसार दिनांक 01.04.2014 की स्थिति के अनुसार बैंक दर पर नियामक आधार पर की गई है।

18. उपर्युक्त पैरा 16 और पैरा 17 में उल्लिखित पूंजी लागत और मानदंडों के आधार पर, याचिकाकर्ता ने प्रशुल्क अवधि 2014-19 के लिए संशोधित वार्षिक नियत प्रभार

(एएफसी) की गणना की है। सीईआरसी द्वारा अपने दिनांक 04.09.2015 के आदेश के द्वारा अनुमत और याचिकाकर्ता द्वारा गणना किए गए एवं वर्तमान याचिका में दावा किए गए एएफसी का सारांश नीचे दिया गया है:

(लाख ₹ में)

विवरण	2014-15	2015-16	2016-17	2017-18	2018-19
दिनांक 04.09.2015 के आदेश के द्वारा अनुमत एएफसी	29071.90	30145.76	31243.42	32107.50	33029.95
वर्तमान याचिका में दावा किया गया एएफसी					
मूल्यहास	4222.52	4256.96	4283.19	4317.27	4422.52
ऋण पर ब्याज	0.00	0.00	0.00	0.00	0.00
इक्विटी पर प्रतिफल	13381.04	13447.01	13362.09	13478.20	13612.45
कार्यशील पूंजी पर ब्याज	994.36	1035.82	1076.21	1124.18	1177.17
ओएंडएम खर्च	10664.95	11373.53	12129.19	12935.05	13794.46
दावा किया गया एएफसी	29262.87	30113.31	30850.68	31854.71	33006.61

वर्तमान याचिका में दावा किए गए एएफसी और दिनांक 04.09.2015 के आदेश के अनुसार अनुमत एएफसी के बीच अंतर की अनुमति सीईआरसी (प्रशुल्क की निबंधन एवं शर्त) विनियमावली, 2014 के विनियम 8 के खंड (11), (12) और (13) के प्रावधानों के अनुसार लाभार्थियों से वसूले जाने के लिए/लाभार्थियों को वापस किये जाने के लिए दी जा सकती है।

19. जीएसटी के प्रभाव की वसूली:

भारत सरकार ने, जम्मू एवं कश्मीर राज्य को छोड़कर, पूरे भारत में 01.07.2017 से वस्तु एवं सेवा कर अधिनियम, 2017 लागू किया है। उक्त अधिनियम को जम्मू एवं कश्मीर राज्य में 08.07.2017 से लागू किया गया है।

विद्युत मंत्रालय, भारत सरकार ने विद्युत अधिनियम, 2003 की धारा 107 के अंतर्गत दिनांक 27.08.2018 को सीईआरसी को निदेश जारी किया है जिसमें नीचे दिये गये अनुसार उल्लेख किया गया है:

(क) केंद्र सरकार, राज्य सरकार/संघ राज्य क्षेत्र के द्वारा अथवा किसी सरकारी तंत्र के द्वारा लगाये गये घरेलू शुल्कों, लेवी, उपकर और करों में किसी प्रकार के परिवर्तन जिसके फलस्वरूप लागत में सदृश्य परिवर्तन होता हो, को "कानून में परिवर्तन" के रूप में माना जाये और जब तक कि विद्युत क्रय करार में अन्य प्रकार से प्रावधान न हो इसकी अनुमति पास-थू के रूप में दी जा सकती है।

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(ड) कानून में इस प्रकार के परिवर्तन का प्रभाव कानून में परिवर्तन की तिथि से लागू होगा।

माननीय आयोग ने अपने दिनांक 14.03.2018 (याचिका सं. 13/एसएम/2017 में) और दिनांक 17.12.2018 के आदेश (याचिका सं. 01/एसएम/2018 में) के द्वारा जीएसटी के कार्यान्वयन पर 'कानून में परिवर्तन' के रूप में पहले ही विचार किया है।

संयंत्रों के प्रचालन और अनुरक्षण (सेवा भाग) में भुगतान किये गये कर को संबंधित विद्युत स्टेशनों के ओएंडएम खर्चों में डाला जाता है। माननीय आयोग ने पिछले 5 वर्षों के दौरान किये गये वास्तविक खर्चों के आधार पर 2014-19 की अवधि के लिए एनएचपीसी के विद्युत स्टेशनों के मामले में ओएंडएम खर्चों का निर्धारण किया था जबकि जीएसटी का कार्यान्वयन केवल 01.07.2017 से किया गया है। तदनुसार, जीएसटी के कार्यान्वयन के कारण अतिरिक्त कर भार को 2014-19 की अवधि के लिए ओएंडएम खर्चों की अनुमति देते समय आयोग द्वारा शामिल नहीं किया गया था।

तदनुसार, हमारी सीईआरसी में 26.07.2019 को याचिका सं. 133/एमपी/2019 है और हमने माननीय आयोग से यह अनुरोध किया है कि वे 'कानून में परिवर्तन' के रूप में जीएसटी के कार्यान्वयन पर विचार करें और लाभार्थियों से अतिरिक्त व्यय की प्रतिपूर्ति की अनुमति दें।

तथापि, उक्त याचिका का निपटान माननीय आयोग द्वारा दिनांक 22.08.2019 के आदेश के द्वारा याचिकाकर्ता को 2014-19 की अवधि के लिए इस याचिका का डूइंग-अप करने के साथ वस्तु एवं सेवा अधिनियम, 2017 के कार्यान्वयन के कारण प्रचालन और अनुरक्षण खर्चों पर अतिरिक्त कर की प्रतिपूर्ति के लिए दावा करने के लिए स्वतंत्रता देते हुए किया गया है।

चमेरा-I के संबंध में, वित्तीय वर्ष 2017-18 (01.07.2017 से 31.03.2018) और वित्तीय वर्ष 2018-19 के दौरान सांविधिक लेखा परीक्षकों द्वारा विधिवत प्रमाणित जीएसटी के अतिरिक्त प्रभाव (अनुलग्नक-VI) को निम्नलिखित तालिका में दिया गया है:

ओएण्डएम खर्चों पर जीएसटी का अतिरिक्त प्रभाव (₹ में)			
2017-18	2018-19 (01.04.18 से 31.12.18)	2018-19 (01.01.19 से 31.03.19)	कुल
7828857	8247667	3206142	19282666

सीईआरसी प्रशुल्क विनियमावली, 2014 में जीएसटी के कार्यान्वयन के कारण अतिरिक्त कर भारों की प्रतिपूर्ति का विशेष रूप से प्रावधान नहीं है। तथापि, माननीय आयोग को सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 55 के प्रावधानों के अंतर्गत उक्त विनियमों के प्रावधानों को कार्यान्वित करने में कठिनाई (यदि कोई हो) को दूर करने का अधिकार प्रदान किया गया है और इसके पास विनियम 54 के अंतर्गत उसे शिथिल करने का भी अधिकार है।

तदनुसार, याचिकाकर्ता नम्रतापूर्वक माननीय आयोग से यह अनुरोध करता है कि वे चमेरा-1 विद्युत स्टेशन के संबंध में प्रतिवादियों से उनके विद्युत आवंटन के अनुपात में जीएसटी के कार्यान्वयन के कारण भुगतान किये गये अतिरिक्त कर की प्रतिपूर्ति की अनुमति दें।

20. एनएचपीसी के प्रचालनरत विद्युत स्टेशनों के संबंध में फाइलिंग शुल्क का भुगतान सीईआरसी (शुल्कों का भुगतान) विनियमावली, 2012 के अनुरूप अप्रैल के महीने के दौरान सीईआरसी को वर्ष दर वर्ष आधार पर नियमित रूप से किया जा रहा है। इस प्रकार से भुगतान किया गया टैरिफ फाइलिंग शुल्क सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 52(1) के अनुसार प्रतिवादियों से वसूला जा सकता है। चमेरा-1 विद्युत स्टेशन के संबंध में 2014-19 के दौरान भुगतान किया गया टैरिफ फाइलिंग शुल्क का ब्यौरा नीचे दिया गया है:

वर्ष	राशि	यूटीआर सं.
2014-15	23, 76,000/- रु.	SBIN814118286779
2015-16	23, 76,000/- रु.	SBIN215117557111
2016-17	23, 76,000/- रु.	SBIN316119888224
2017-18	23, 76,000/- रु.	SBIN317115658067
2018-19	23, 76,000/- रु.	SBIN718116392141
कुल	118, 80,000/- रु.	

पत्रों की प्रति अनुलग्नक-VIII के रूप में संलग्न है। तदनुसार, फाइलिंग शुल्क का भुगतान इस याचिका के साथ याचिकाकर्ता द्वारा अलग से नहीं किया जा रहा है।

21. उपर्युक्त टैरिफ में कोई सांविधिक कर, लेवी, शुल्क, उपकर, प्रभार अथवा किसी सरकार (केंद्र/राज्य) और/अथवा कोई अन्य स्थानीय निकायों/प्राधिकरणों/विनियामक प्राधिकरणों द्वारा सहायक खपत अथवा जल सहित किसी अन्य प्रकार की खपत, विद्युत का पारेषण, पर्यावरणीय संरक्षण, विद्युत/ऊर्जा की बिक्री अथवा आपूर्ति पर, और/अथवा उत्पादक स्टेशनों और/अथवा पारेषण प्रणाली से जुड़ी इसकी संस्थापनाओं में से किसी के संबंध में बिजली के उत्पादन के संबंध में किसी अधिनियम अथवा विनियम के

माध्यम से लगाया गया/प्रभारित किया गया किसी अन्य प्रकार का अधिरोपण शामिल नहीं है।

22. एनएचपीसी द्वारा उपर्युक्त में किये गये उल्लेख के अनुसार उक्त करों/शुल्कों/उपकर/लेवी/प्रभारों आदि के कारण किसी महीने में संबंधित प्राधिकरणों को भुगतान योग्य ऐसे करों/शुल्कों/उपकर/लेवी/प्रभारों आदि की राशि का वहन किया जायेगा और इसका भुगतान प्रतिवादियों द्वारा याचिकाकर्ता को अतिरिक्त रूप से किया जायेगा।
23. इसके अलावा, टैरिफ प्रस्ताव में सीईआरसी (आरएलडीसी का शुल्क एवं प्रभार तथा अन्य संबंधित मामले) विनियमावली, 2009 के अंतर्गत शेयरिंग विनियमावली और आरएलडीसी शुल्क एवं प्रभारों के अंतर्गत पीजीसीआईएल, पोसोको/एनएलडीसी को भुगतान किया जाने वाला कोई पारेषण/संचार/यूएलडीसी प्रभार शामिल नहीं है। ये प्रभार, जैसा कि लागू है, सीधे तौर पर लाभार्थियों से सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 43 और 52(2)(क) के अनुसार वसूली के योग्य होंगे।
24. इसके अलावा, विनियम 8(2)(क)(iii) और (iv) के अनुसार, उत्पादक स्टेशन नियंत्रणीय मानदंडों जैसे सहायक ऊर्जा खपत (एयूएक्स) और ऋण के पुनर्वित्तपोषण के निष्पादन के आधार पर टैरिफ का ड्रिंग-अप करेगा।

क. 2014-19 के लिए वास्तविक सहायक ऊर्जा खपत (एयूएक्स) के आधार पर टैरिफ का ड्रिंग-अप:

वास्तविक सहायक ऊर्जा खपत के कारण वित्तीय लाभ के विनियामक सहायक ऊर्जा खपत से कम होने के कारण सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 8(6) और इसके उत्तरवर्ती संशोधन के अनुसार उत्पादक स्टेशन और लाभार्थियों के बीच 60:40 के अनुपात में बांटा जाना है। 2014-19 की अवधि के लिए वास्तविक सहायक ऊर्जा खपत के ब्यौरे का सारांश नीचे दिया गया है:

मापदंड	2014-15	2015-16	2016-17	2017-18	2018-19
नियामक सहायक खपत	1.2%	1.2%	1.2%	1.2%	1.2%
वास्तविक सहायक खपत	0.7%	0.7%	0.7%	0.7%	0.7%
बिक्रीयोग्य डिजाइन ऊर्जा (एमयू)	1447.23	1447.23	1447.23	1447.23	1447.23
बिक्रीयोग्य निर्धारित ऊर्जा (एमयू)	2109.66	2554.13	2142.16	2268.34	3224.82

उपर्युक्त से यह स्पष्ट है कि 2014-19 की अवधि के दौरान, वास्तविक सहायक ऊर्जा खपत नियामक सहायक ऊर्जा खपत से कम है और बिक्री योग्य निर्धारित उत्पादन भी

बिक्री योग्य डिजाइन ऊर्जा से अधिक है। अतः निवल लाभ की गणना सीईआरसी टैरिफ विनियमावली, 2014 के विनियम 8(6)(ii) में विनिर्दिष्ट प्रक्रिया के अनुसार की गई है। वर्ष 2014-19 के दौरान कम की गई वास्तविक सहायक ऊर्जा खपत के कारण कुल लाभ की गणना इस प्रकार की गई है:

(राशि रु. में)

विवरण	2014-15	2015-16	2016-17	2017-18	2018-19
निवल लाभ	10005824	9781270	8411510	9006527	9646236
उत्पादन केंद्रों के पास रखा गया लाभ - 60%	6003495	5868762	5046906	5403916	5787742
लाभार्थियों के पास लाभ की हिस्सेदारी - 40%	4002330	3912508	3364604	3602611	3858494

निवल लाभ में चमेरा-I और उसके लाभार्थियों के बीच 60:40 के बीच हिस्सेदारी है। लाभार्थियों की हिस्सेदारी में घटाई गई सहायक खपत के कारण वार्षिक लाभ का ब्यौरा **अनुलग्नक-III** में संलग्न है।

ख. ऋण के पुनर्वित्तपोषण पर आधारित टैरिफ का ड्रइंग-अप:

विनियम 8(2)(क)(iv) के अनुसार, उत्पादक स्टेशन ऋण के पुनर्वित्तपोषण के आधार पर उत्पादक स्टेशन के टैरिफ का ड्रइंग-अप करेगा। चूंकि, चमेरा-I विद्युत स्टेशन के मामले में कोई वास्तविक ऋण बकाया नहीं है, अतः ऋण के पुनर्वित्तपोषण के कारण किसी ड्रइंग-अप की आवश्यकता नहीं है।

भाग-ख : 2019-24 की अवधि के लिए प्रशुल्क याचिका

1. सीईआरसी प्रशुल्क विनियमावली, 2019 के विनियम 9(2), 10(1) और 12 के अनुरूप याचिकाकर्ता से यह माना जाता है कि वह 2014-19 की अवधि के लिए डूइंग-अप याचिका के साथ 2019-24 के लिए प्रशुल्क याचिका प्रस्तुत करें। सीईआरसी प्रशुल्क विनियमावली के विनियम 9(2) और 12 का संबंधित उद्धरण यहां नीचे फिर से प्रस्तुत किया जाता है:

"9 टैरिफ का अवधारण करने के लिए आवेदन

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(2) विद्यमान उत्पादन केंद्र या संचार प्रणाली सहित पारेषण प्रणाली या उसके किसी अल्पघटक के मामले में आवेदन पत्र इन विनियमों सीईआरसी (टैरिफ की निबंधन एवं शर्तें) विनियमावली, 2014 के अनुसार, 31.03.2019 से 31.10.2019 तक पहले से स्वीकृत किसी अतिरिक्त पूंजीगत व्यय सहित स्वीकृत पूंजीगत लागत के आधार पर (या वास्तविक या परियोजित अतिरिक्त पूंजी व्यय के आधार पर) और वर्ष 2014-19 से 2019-24 की टैरिफ अवधि के अलग-अलग वर्षों के लिए अनुमानित अतिरिक्त पूंजीगत व्यय के आधार पर किया जा सकता है।"

"12 2014-19 की अवधि के लिए टैरिफ का डूइंग-अप

2014-19 की अवधि के लिए उत्पादक केंद्रों और पारेषण प्रणाली के टैरिफ को केंद्रीय विद्युत नियामक आयोग के नियम 8 (टैरिफ के नियम और शर्तें) विनियम, 2014 के प्रावधानों के अनुसार टैरिफ याचिका 2019-24 की अवधि के लिए डूइंग-अप किया जाएगा। डूइंग-अप के आधार पर 31.03.2019 को अनुमोदित की गई पूंजी 2019-24 की अवधि के लिए टैरिफ अवधारण के लिए 01.04.2019 को प्रारंभिक पूंजी लागत का आधार होगी।

इसके अलावा, सीईआरसी प्रशुल्क विनियमावली, 2019 के विनियम 10(1) के अनुसार, याचिकाकर्ता से यह मान लिया जाता है कि वह 2019-24 की प्रशुल्क अवधि के लिए परियोजित अतिरिक्त पूंजी व्यय के ब्यौरों को शामिल करते हुए संबंधित प्रशुल्क प्रपत्रों (अनुलग्नक-1 के रूप में प्रशुल्क विनियम के साथ संलग्न) के अनुसार याचिका दायर करे।

2. संगत प्रशुल्क फार्मों और संलग्न अनुलग्नक के साथ-साथ 2014-19 की अवधि के लिए प्रशुल्क का डूइंग-अप **भाग-क** के अंतर्गत इस याचिका के साथ संलग्न है।

3. चूंकि इस परियोजना की अंतिम तिथि पहले ही समाप्त हो चुकी है, अतः 2019-24 की अवधि के लिए परियोजित अतिरिक्त पूंजीकरण का दावा सीईआरसी प्रशुल्क विनियमावली, 2019 के विनियम 25 और 26 के प्रावधानों के अंतर्गत किया जा रहा है, जिसे नीचे दिये गये अनुसार पढ़ा जाये:

"25 अंतिम तारीख के पश्चात मूल दायरे में अतिरिक्त पूंजीकरण

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(2) अंतिम तारीख के पश्चात विद्यमान परियोजना के मूल दायरे के अंतर्गत उपस्थित आस्तियों के प्रतिस्थापन के मामले में, अतिरिक्त पूंजीकरण को आयोग द्वारा कुल नियत आस्तियों और संचयी अवक्षयण में आवश्यक समायोजन करने के बाद निम्नलिखित आधार पर प्रजावान जांच के अधीन स्वीकार किया जा सकता है:

- क. परिसंपत्ति का उपयोगी समय, अगर परियोजना के उपयोगी समय के साथ सराहनीय नहीं है तो ऐसी परिसंपत्तियों को इन अधिनियमों के प्रावधानों के अनुसार पूरी तरह से मूल्यहास किया गया है;
- ख. विधि या अप्रत्याशित घटनाओं की शर्तों में परिवर्तन के कारण आस्ति या उपकरण का प्रतिस्थापन आवश्यक है;
- ग. प्रौद्योगिकी के अप्रचलन के कारण ऐसी आस्तियों या उपकरणों का प्रतिस्थापन आवश्यक है; तथा
- घ. ऐसी आस्ति या उपकरण के प्रतिस्थापन को आयोग द्वारा अनुमति दी गई है।

"26. मूल दायरे से परे अतिरिक्त पूंजीकरण

(1) विद्यमान उत्पादन केंद्र या संचार प्रणाली सहित पारेषण प्रणाली के संदर्भ में किए गए या किए जाने वाले अनुमानित पूंजी उपगत व्यय, मूल दायरे से परे प्रजावान जांच के अधीन आयोग द्वारा निम्नलिखित संगणनाओं पर स्वीकार किए जा सकते हैं:

- क. माध्यस्थम के पंचाट को पूरा करने या न्यायालय के आदेश या किसी भी सांविधिक प्राधिकरण के आदेश अथवा डिक्री का अनुपालन करने का दायित्व;
- ख. विधि में बदलाव या किसी मौजूदा विधि का अनुपालन;
- ग. अप्रत्याशित घटना;
- घ. समुचित सरकारी अभिकरणों, सांविधिक निकायों द्वारा राष्ट्रीय सुरक्षा या आंतरिक सुरक्षा के लिए सुझाव दिए गए या यथा-निर्देशित संयंत्र की उच्चतर सुरक्षा की जरूरत के कारण किया जाने वाला कोई व्यय;
- ङ. मामले के आधार पर, कार्य की मूल परिधि में राख के ढेर या राख की उठाई-धराई प्रणाली से संबंधित आस्थगित कार्य;

परंतु यह भी कि यदि किसी व्यय का दावा नवीकरण और आधुनिकीकरण (आएण्डएम) तथा मरम्मत एवं रख-रखाव (ओएण्डएम) के अंतर्गत मरम्मत एवं अनुरक्षण व्यय तथा क्षतिपूर्ति भत्ता के अंतर्गत किया गया है तो उस व्यय का दावा इस विनियम के अंतर्गत नहीं किया जा सकता है।

च. थर्मल उत्पादन केंद्र में सीवेज ट्रीटमेंट संयंत्र के जल का उपयोग।

(2) यथास्थिति, उत्पादन कंपनी या पारेषण अनुज्ञप्तिधारी की आस्तियों की पूंजीकरण विहीनता के मामले में इन आस्तियों की पूंजीकरण विहीनता की तारीख को मूल लागत को सकल अचल आस्तियों से घटाया जाएगा और समनुरूपी ऋण तथा इक्विटी पूंजीकरण विहीनता होने वाले वर्ष में बकाया ऋण और इक्विटी से, उस वर्ष पर विधिवत विचार करते हुए जब उसे पूंजीकृत किया गया था, घटाया जाएगा।"

4. 31.03.2019 की स्थिति के अनुसार डूइंग-अप याचिका (भाग-क) के आधार पर 208217.90 लाख रुपए की राशि की अंतिम पूंजी लागत का उपयोग 2019-24 की प्रशुल्क अवधि के लिए प्रशुल्क की गणना के वास्ते 31.03.2019 की स्थिति के अनुसार आरंभिक पूंजी लागत के रूप में किया गया है।
5. इस याचिका में विचार की गई प्रशुल्क अवधि 2019-24 के लिए परियोजित पूंजी व्यय का ब्यौरा अनुलग्नक-II के फार्म-9क में दिया गया है। उसे नीचे तालिका में दिया गया है:

(लाख रु. में)

क्र.सं.	विवरण	2019-20	2020-21	2021-22	2022-23	2023-24
क.	वर्ष/अवधि के दौरान अभिवृद्धि	232.32	1637.87	1161.28	560.30	207.15
ख.	घटाएं: वर्ष/अवधि के दौरान पूंजीविहीनता	13.59	23.35	67.09	23.64	17.62
ग.	जोड़ें: वर्ष/अवधि के दौरान अदायगी	751.51	0.00	0.00	0.00	0.00
घ.	निवल अभिवृद्धि (क-ख+ग)	970.24	1614.52	1094.19	536.66	189.53

6. **पूंजी लागत** : उपर्युक्त परियोजित अतिरिक्त पूंजीकरण और 208217.90 लाख रु. (31.03.2019 की स्थिति के अनुसार) की आरंभिक पूंजी लागत पर विचार करते हुए, प्रशुल्क की गणना के वास्ते विचार की गई वर्ष-वार पूंजी लागत नीचे दिये गये अनुसार है:

(लाख ₹ में)

विवरण	2019-20	2020-21	2021-22	2022-23	2023-24
आरंभिक पूंजी लागत	208217.90	209188.13	210802.65	211896.84	212433.50
वर्ष के दौरान निवल अतिरिक्त पूंजीकरण	970.24	1614.52	1094.19	536.66	189.53
अंतिम पूंजी लागत	209188.13	210802.65	211896.84	212433.50	212623.03

7. वार्षिक नियत प्रभारों (एएफसी) की गणना:

उपर्युक्त पूंजी लागत के आधार पर, प्रशुल्क के विभिन्न संघटकों को संबंधित विनियमों में यथाउल्लिखित निम्नलिखित तरीके से तय किया गया है:

क. इक्विटी पर प्रतिफल (आरओई):

क. चमेरा-1 विद्युत स्टेशन एक पॉडेज स्कीम है, इक्विटी पर प्रतिफल की गणना के लिए आधार दर अतिरिक्त पूंजी व्यय (कानून में परिवर्तन और मदों के प्रतिस्थापन जिसकी पूर्व में अनुमति माननीय आयोग द्वारा सीईआरसी प्रशुल्क विनियमावली, 2019 के विनियम 25(2) के अंतर्गत किया गया था, के कारण अतिरिक्त पूंजी को छोड़कर) के लिए प्रशुल्क विनियमावली, 2019 के विनियम 30(2) के अनुसार, 01.04.2019 से संपूर्ण रूप में (अर्थात् 7.92 प्रतिशत) याचिकाकर्ता पर लागू ब्याज की भारत औसत दर और 31.03.2019 तक पहले ही खर्च किया गया पूंजी व्यय 16.5 प्रतिशत माना गया है।

ख. बिंदु 'क' पर विचार करते हुए इक्विटी पर प्रतिफल की आधार दर को सीईआरसी प्रशुल्क विनियमावली, 2019 के विनियम 31(1) के अनुरूप दिनांक 01.04.2019 की स्थिति के अनुसार प्रचलित मेट दर के साथ गॉसड-अप के रूप में निर्धारित किया गया है, जिसका ड्रिंग-अप बाद में 'प्रभाव कर' दर के आधार पर किया जायेगा।

ख. मूल्यहास:

चूंकि, चमेरा-1 ने अपने उपयोगी जीवनकाल के 12 वर्ष पहले ही पूरे कर लिये हैं, अतः बचे हुए मूल्यहास योग्य मूल्य का प्रसार विद्युत स्टेशन के उपयोगी जीवनकाल को 40 वर्ष के रूप में मानते हुए सीईआरसी प्रशुल्क विनियमावली, 2019 के विनियम 33 के अनुरूप विद्युत स्टेशन के शेष उपयोगी जीवनकाल में किया गया है।

ग. ऋण पर ब्याज:

इस परियोजना के लिए वास्तविक ऋण का पुनर्भुगतान पहले ही किया जा चुका है। वर्ष 2014-19 की अवधि के दौरान अतिरिक्त पूंजी व्यय के कारण नियामक ऋण को पूर्णतया भुगतान किया गया मान लिया गया है, क्योंकि परिकलित मूल्यहास इन वर्षों में नियामक ऋण की राशि से अधिक है। तदनुसार, सीईआरसी टैरिफ विनियमावली, 2019 के विनियम 32(3) के अनुसार 2019-24 की प्रशुल्क अवधि के सभी वर्षों में ऋण पर ब्याज को शून्य माना गया है।

घ. ओएण्डएम खर्च:

प्रशुल्क अवधि 2019-24 के लिए चमेरा-1 हेतु लागू ओएण्डएम खर्च माननीय आयोग द्वारा विद्युत स्टेशन के पिछले वर्षों के वास्तविक ओएण्डएम खर्चों के आधार पर सीईआरसी (प्रशुल्क की निबंधन एवं शर्तों) विनियमावली, 2019 के विनियम 35(2) के अंतर्गत पहले ही अधिसूचित किये गये हैं। सीईआरसी (प्रशुल्क की निबंधन एवं शर्तों) विनियमावली, 2019 के विनियम 35(2) का संगत उद्धरण नीचे दिया गया है।

"35 प्रचालन एवं रख-रखाव खर्च:

(2) हाइड्रो उत्पादन केंद्र:

(क)

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टिप्पणी: न्यूनतम वेतन, वेतन संशोधन और जीएसटी संशोधन के प्रभाव में से यदि कोई है तो, टैरिफ के निर्धारण के समय विचार किया जाएगा।

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(ग) हाइड्रो उत्पादन केंद्रों के लिए सुरक्षा व्यय और पूंजीगत स्पेयर्स की अनुमति विवेकपूर्ण जांच करने के बाद अलग से दी जाएगी:

परंतु यह भी कि उत्पादन केंद्र सुरक्षा जरूरत और अनुमानित व्यय का आकलन प्रस्तुत करेगा, जिसके ड्रइंग-अप के समय खपत किए गए वर्ष-वार वास्तविक पूंजीगत स्पेयर्स के ब्यौरे उपयुक्त स्पष्टीकरण के साथ दिए जाएंगे।"

उपरोक्त से यह स्पष्ट है कि, 2019-24 की अवधि के लिए ओएण्डएम खर्च का निर्धारण करते समय, माननीय आयोग ने न्यूनतम मजदूरी के संशोधन, वेतन संशोधन और जीएसटी, यदि कोई हो, के संबंध में प्रभाव पर विचार नहीं किया है और यह उल्लेख किया गया था कि उस पर प्रशुल्क के निर्धारण के समय विचार किया

जायेगा। तदनुसार, वेतन में संशोधन और जीएसटी के प्रभाव (संदर्भ अनुलग्नक-1 का फार्म-17) का दावा निम्नलिखित ब्यौरे के अनुसार अनुमति दिये गये ओएंडएम खर्चों के अलावा किया गया है:

(लाख रु. में)

विवरण	2019-20	2020-21	2021-22	2022-23	2023-24
अनुमत ओएण्डएम व्यय (क)	11773.57	12334.77	12922.71	13538.68	14184.00
वेतन संशोधन का प्रभाव - एनएचपीसी स्टाफ (ख)	1438.09	1506.69	1578.56	1653.86	1732.75
जीएसटी का प्रभाव (ग)	120.00	125.73	131.72	138.01	144.59
वेतन संशोधन का प्रभाव - के.वी. स्टाफ (घ)	23.45	24.57	25.75	26.97	28.26
संशोधित ओएण्डएम खर्च (क+ख+ग+घ)	13355.12	13991.76	14658.74	15357.52	16089.60

सीईआरसी प्रशुल्क विनियमावली, 2019 के विनियम 35(2)(ग) के अनुसार, हाइड्रो उत्पादक स्टेशनों के लिए सुरक्षा खर्च और पूंजीगत कलपुर्जे की अनुमति पृथक रूप से दी जायेगी। तदनुसार, सुरक्षा आवश्यकता के आधार पर 2019-24 की अवधि के लिए अनुमानित सुरक्षा खर्च का प्रस्ताव नीचे दिये अनुसार किया गया है:

(लाख रु. में)

वर्ष	2019-20	2020-21	2021-22	2022-23	2023-24
अनुमानित सुरक्षा व्यय	1330.06	1393.50	1459.97	1529.61	1602.58

तदनुसार, माननीय आयोग से अनुरोध किया जाता है कि वे 2019-24 की अवधि के लिए उपर्युक्त अनुमानित सुरक्षा खर्च की अनुमति दें। 2019-24 की अवधि के दौरान पूंजीगत कलपुर्जे की खपत के कारण व्यय का दावा प्रशुल्क के ड्रिंग-अप के समय किया जायेगा।

ड. कार्यशील पूंजी पर ब्याज

च. सीईआरसी टैरिफ विनियमावली, 2019 के विनियम 34(ग) के अनुसार दिनांक 01.04.2019 की स्थिति के अनुसार बैंक दर के आधार पर नियामक आधार पर कार्यशील पूंजी पर ब्याज की गणना की गई है।

8. केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क की निबंधन एवं शर्तें) विनियमावली, 2019 के आधार पर 01.04.2019 से 31.03.2024 की अवधि के लिए चमेरा-1 के

संबंध में तय किये गये वार्षिक नियत प्रभार (एएफसी) नीचे दिये गये अनुसार है (अनुलग्नक-II के फार्म-1 का संदर्भ लें):

(लाख रु. में)

एएफसी घटक	2019-20	2020-21	2021-22	2022-23	2023-24
मूल्यहास	3084.71	3167.95	3262.35	3326.97	3357.98
ऋण पर ब्याज	0.00	0.00	0.00	0.00	0.00
इक्विटी पर प्रतिफल	12925.28	13001.75	13071.85	13104.55	13119.85
कार्यशील पूंजी पर ब्याज	868.29	900.45	934.11	968.22	1,003.10
ओएण्डएम खर्चे	13355.12	13991.76	14658.74	15357.52	16089.60
एएफसी	30233.40	31061.91	31927.04	32757.25	33570.52

9. सीईआरसी प्रशुल्क विनियमावली, 2014 के विनियम 14(3) के प्रथम परंतुक के अनुसार, अंतिम तिथि के बाद खरीदे गये औजार और साज-सामानों, फर्नीचर, एयर कंडीशनर, वोल्टेज स्टेबलाइजर, रेफ्रिजरेटर, कूलर, कंप्यूटर, पंखे, वाशिंग मशीन, हीट कंवेक्टर, मैट्रेस, कालीनों आदि सहित छोटी-छोटी मर्दों अथवा परिसंपत्तियों की खरीद करने के कारण अतिरिक्त पूंजीगत व्यय पर हाइड्रो उत्पादक स्टेशनों के मामले में 01.04.2014 से प्रशुल्क के निर्धारण के लिए अतिरिक्त पूंजीकरण के लिए विचार नहीं किया जायेगा। छोटी-छोटी मर्दों की खरीद करने के संबंध में इस प्रावधान को सीईआरसी प्रशुल्क विनियमावली, 2019 में विलोपित कर दिया गया है।

उपरोक्त से यह स्पष्ट है कि, लघु मर्दों के संबंध में अतिरिक्त पूंजीकरण दिनांक 01.04.2019 से अनुमत किया गया है। तथापि, वर्तमान याचिका में, उपरोक्त लघु मर्दों के कारण अतिरिक्त पूंजीकरण पर विचार नहीं किया गया है और उसका दावा वर्ष 2019-24 की अवधि के लिए टैरिफ का ड्रइंग-अप करते समय किया जाएगा।

10. वर्ष 2019-20 (प्रशुल्क अवधि 2019-24 का प्रथम वर्ष) के लिए 23,76,000/- रुपए की राशि के फाइलिंग शुल्क को सीईआरसी (शुल्क का भुगतान) विनियमावली, 2012 के संबंध में यूटीआर सं. SBIN219116877156 के माध्यम से इलेक्ट्रॉनिक तरीके से पहले ही अंतरित कर दिया गया है और उसकी सूचना सीईआरसी को पहले ही दिनांक 29.04.2019 के पत्र के माध्यम से दी गई है। उक्त पत्र की प्रति अनुलग्नक-III के रूप में संलग्न है। इसके अलावा, 2019-24 की प्रशुल्क अवधि के बचे हुए वर्षों के संबंध में फाइलिंग शुल्क का भुगतान याचिकाकर्ता द्वारा संबंधित वर्ष के 30 अप्रैल तक किया जायेगा। तदनुसार, माननीय आयोग से यह अनुरोध है कि वे सीईआरसी प्रशुल्क विनियमावली, 2019 के विनियम 70(1) के अनुरूप लाभार्थियों से फाइलिंग शुल्क की प्रतिपूर्ति की अनुमति दें।

11. केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क के निर्धारण के लिए आवेदन करने, आवेदन के प्रकाशन और अन्य संबंधित मामलों के लिए प्रक्रिया) विनियमावली, 2004 के अनुपालन में, याचिकाकर्ता समाचार पत्रों में चमेरा-। विद्युत स्टेशन के संबंध में प्रशुल्क याचिका का नोटिस प्रकाशित करेगा। उसके प्रकाशन का प्रमाण पृथक रूप से प्रस्तुत किया जायेगा। माननीय आयोग से अनुरोध है कि वे लाभार्थियों से प्रकाशन संबंधी खर्च की वसूली की अनुमति दें।
12. उपर्युक्त प्रशुल्क प्रस्ताव में कोई सांविधिक कर, लेवी, शुल्क, उपकर अथवा किसी सरकार (केंद्र/राज्य) और/अथवा कोई अन्य स्थानीय निकायों/प्राधिकारियों/विनियामक प्राधिकरणों द्वारा सहायक खपत अथवा जल सहित किसी अन्य प्रकार की खपत, विद्युत का पारेषण, पर्यावरणीय संरक्षण, बिक्री अथवा विद्युत/ऊर्जा की आपूर्ति संबंधी, और/अथवा उत्पादक स्टेशनों और/अथवा पारेषण प्रणाली से जुड़ी इसकी संस्थापनाओं में से किसी के संबंध में बिजली के उत्पादन के संबंध में लगाये गये/प्रभारित किसी अन्य प्रकार के अधिरोपण शामिल नहीं हैं।
13. एनएचपीसी द्वारा उपर्युक्त में किये गये उल्लेख के अनुसार उक्त करों/शुल्कों/उपकरों/लेवियों आदि के कारण किसी महीने में संबंधित प्राधिकारियों को भुगतान योग्य ऐसे करों/शुल्कों/उपकरों/लेवियों आदि की राशि का वहन किया जायेगा और इसका भुगतान प्रतिवादियों द्वारा एनएचपीसी को अतिरिक्त रूप से किया जायेगा और वह प्रतिवादियों द्वारा उनके द्वारा भुगतान योग्य वार्षिक क्षमता प्रभारों के अनुपात में भुगतान योग्य होगा।
14. इसके अलावा, प्रशुल्क प्रस्ताव में सीईआरसी (आरएलडीसी का शुल्क एवं प्रभार तथा अन्य संबंधित मामले) विनियमावली, 2009 के अंतर्गत शेयरिंग विनियमावली और आरएलडीसी शुल्क एवं प्रभारों के अंतर्गत पीजीसीआईएल, पोसोको/एनएलडीसी को भुगतान किये जाने वाले कोई पारेषण/संचार/यूएलडीसी प्रभार शामिल नहीं है। ये प्रभार जैसा कि लागू हैं, सीधे तौर पर लाभार्थियों से सीईआरसी प्रशुल्क विनियमावली, 2019 के विनियम 70 के अनुसार वसूल योग्य होंगे।

प्रार्थना

भाग-क: 2014-19 की अवधि के लिए प्रशुल्क का ड्रइंग अप

1. 01.04.2014 से 31.03.2019 की अवधि के लिए चमेरा-I पावर स्टेशन की टैरिफ को केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क की निबंधन और शर्तें), विनियमावली, 2014 के विनियमन-8 के अनुसार संशोधित करने की कृपा करें।
2. ऐसे अतिरिक्त पूंजीगत व्यय की अनुमति देने की कृपा करें, जो 04.09.2015 के सीईआरसी के आदेश द्वारा अनुमति नहीं दी गई थी, लेकिन उपरोक्त पैरा -13 (भाग-क) में यथा उल्लिखित 2014-19 के दौरान साइट की विशिष्ट आवश्यकताओं के कारण व्यय की गई है।
3. उपर्युक्त पैरा -14 (भाग- क) में उल्लिखित टैरिफ के प्रयोजन के लिए छोटी परिसंपत्तियों, औजारों और फर्नीचर, कंप्यूटर आदि की प्रकृति की वस्तुओं से संबंधित नकारात्मक प्रविष्टियों को बाहर करने की अनुमति देने की कृपा करें। ।
4. उपर्युक्त पैरा -15 (भाग- क) में दावा किए गए शुद्ध अतिरिक्त पूंजीकरण की अनुमति देने की कृपा करें ।
5. उपर्युक्त पैरा -17 (क) (भाग- क) में उल्लिखित 2014-19 की अवधि के लिए 'प्रभावी कर' दर के आधार पर आरओई की सकल आय दर को बढ़ाने की अनुमति देने की कृपा करें।
6. उपर्युक्त पैरा -17 (घ) में वर्णित अनुसार, 2014-19 के दौरान 'पूंजीगत पुर्जों की खपत पर खर्च की प्रतिपूर्ति की अनुमति देने की कृपा करें।
7. चमेरा-I पावर स्टेशन के वार्षिक नियत प्रभार (एएफसी) को संशोधित कर दिया गया है जो ऊपर पैरा -18 (भाग- क) में यथा उल्लिखित क्रमशः वित्तीय वर्ष 2014-15, 2015-16, 2016-17, 2017-18 और 2018-19 के लिए 29262.87 लाख रु., 30113.31 लाख रु., 30850.68 लाख रु., 31854.71 लाख रु. और 33006.61 लाख रु है। गणना की गई एएफसी और 04.09.2015 के सीईआरसी के आदेश द्वारा अनुमत उसके बीच अंतर को सीईआरसी (प्रशुल्क की निबंधन और शर्तें) विनियमावली, 2014 के विनियमन 8 (13) में निर्दिष्ट और उसके बाद के संशोधन के तरीके से प्रतिवादी से वसूल/उनको वापस करने की अनुमति देने की कृपा करें।
8. उपर्युक्त पैरा -24(क) (भाग-क) में उल्लिखित वर्ष 2014-19 तक की अवधि के लिए वास्तविक सहायक खपत के आधार पर प्रशुल्क का ड्रइंग अप और लाभ का बंटवारा करने की अनुमति देने की कृपा करें।

9. सीईआरसी प्रशुल्क विनियमावली,2014 के विनियम 54 और 55 के तहत निहित अपनी शक्ति का प्रयोग करते हुए इसे 'कानून में बदलाव' के रूप में विचार करते हुए उनके विद्युत के आवंटन के समानुपात में प्रतिवादियों से जीएसटी के कार्यान्वयन के कारण भुगतान किए गए अतिरिक्त कर की प्रतिपूर्ति, जैसा कि पैरा -19 (भाग-क) में उल्लिखित है, करने की अनुमति देने की कृपा करें।

10. एनएचपीसी को उपर्युक्त पैरा-21 से 22 (भाग-क) में उल्लिखित लैवी, कर, शुल्क, उप-कर, प्रभार, फीस आदि, यदि कोई हों, के बिल प्रतिवादी को प्रस्तुत करने की अनुमति देने की कृपा करें।

भाग-ख: 2019-24 की अवधि के लिए टैरिफ याचिका

11. 01.04.2019 से 31.03.2024 तक की अवधि के लिए चमेरा-I पावर स्टेशन का प्रशुल्क 07.03.2019 को जारी केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क की निबंधन और शर्तें), विनियमावली,2019 के विनियम -9 (2) के साथ पठित विद्युत अधिनियम, 2003 की धारा 62 (1) (क) के तहत निर्धारित करने की कृपा करें।

12. पैरा -6 (भाग- क) में दावा किए गए 2019-24 तक की अवधि के लिए शुद्ध अतिरिक्त पूंजीकरण की अनुमति देने की कृपा करें ।

13. पैरा -7(घ) (भाग-ख) में उल्लिखित अतिरिक्त ओ एंड एम खर्च के रूप में वेतन संशोधन और जीएसटी के प्रभाव की अनुमति देने की कृपा करें ।

14. पैरा -7 (घ) (भाग- ख) में उल्लिखित 2019-24 के दौरान लाभार्थियों से अलग से अनुमानित सुरक्षा व्यय की वसूली करने की अनुमति देने की कृपा करें।

15. 2019-24 की अवधि के लिए चमेरा-I पावर स्टेशन के वार्षिक नियत प्रभार (एएफसी) उपर्युक्त पैरा-9 (भाग- ख) में यथा उल्लिखित वित्तीय वर्ष 2019-20, 2020-21, 2021-22, 2022-23 और 2023-24 के लिए क्रमशः **30233.40 लाख रूपए** , **31061.91 लाख रूपए**, **31927.04 लाख रूपए**, **32757.25 लाख रूपए** व **33570.52 लाख रूपए** की गणना की गई है । गणना की गई एएफसी और 04.09.2015 (2018-19 की अवधि के लिए) के सीईआरसी के आदेश द्वारा अनुमत और उसके बीच अंतर को सीईआरसी (प्रशुल्क की निबंधन और शर्तें) विनियमावली,2019 के विनियमन 10 (7) और इसके उत्तरवर्ती संशोधन में निर्दिष्ट तरीके से प्रतिवादी से वसूल/उनको वापस करने की अनुमति देने की कृपा करें।

16. पैरा -9 (भाग-ख) में उल्लिखित टैरिफ के ड्रइंग अप के समय उपकरणों एवं सामग्रियों सहित मामूली वस्तुओं या परिसंपत्तियों के अधिग्रहण पर अतिरिक्त पूंजीगत व्यय की अनुमति देने की कृपा करें।
17. पैरा -10 (भाग-ख) में उल्लिखित इस याचिका के दायर करने के शुल्क की प्रतिपूर्ति की अनुमति देने की कृपा करें।
18. पैरा -11 (भाग-ख) में उल्लिखित 2019-24 की अवधि के लिए प्रशुल्क के आवेदन में नोटिस के प्रकाशन पर किए गए खर्चों की प्रतिपूर्ति की अनुमति देने की कृपा करें।
19. एनएचपीसी को ऊपर पैरा -12 से 14 (भाग-ख) में उल्लिखित, यदि कोई हो, तो लेवी, करों, ड्यूटिज, उपकर, प्रभारों, शुल्क आदि के लिए प्रतिवादियों को बिल प्रदान करने की अनुमति देने की कृपा करें।
20. ऐसे अन्य और आगे के आदेश / आदेश पारित करें जो मामले के तथ्यों और परिस्थितियों में उपयुक्त और उचित समझे जाएं।

एनएचपीसी लिमिटेड
के
माध्यम से

(एम जी गोखले)
महाप्रबंधक (वाणिज्यक)

स्थान: फरीदाबाद

दिनांक: 23.10.2019

माननीय केंद्रीय विद्युत विनियामक आयोग, नई दिल्ली के समक्ष

याचिका संख्या /जीटी/2019

निम्नलिखित के विषय में:

चमेरा-। पावर स्टेशन के संबंध में 2014-19 की अवधि के लिए पूंजीगत व्यय को सही करने हेतु केंद्रीय विद्युत विनियामक आयोग (कार्य संचालन), विनियमावली, 1999 के विनियम 79(1) और 86, विद्युत अधिनियम, 2003 की धारा 62(1)(क) और केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क के निबंधन और शर्तें) विनियामवली, 2009 के विनियम 14(3) और 25(3) के अंतर्गत याचिका ।

और

चमेरा-। पावर स्टेशन के संबंध में 2019-24 की अवधि के लिए प्रशुल्क (टैरिफ) के निर्धारण हेतु केंद्रीय विद्युत विनियामक आयोग (कार्य संचालन), विनियमावली, 1999 के विनियम 79(1) और 86, विद्युत अधिनियम, 2003 की धारा 62(1)(क) और केंद्रीय विद्युत विनियामक आयोग (प्रशुल्क के निबंधन और शर्तें) विनियामवली, 2014 के विनियम 9(2), 10(1), 12, 25, 26 और 35(2) के अंतर्गत याचिका ।

याचिकाकर्ता :

एनएचपीसी लिमिटेड

(भारत सरकार का उद्यम)

एनएचपीसी कार्यालय परिसर,

सेक्टर-33, फरीदाबाद - 121 003

प्रतिवादीगण :

1. अध्यक्ष,

पंजाब राज्य विद्युत निगम लिमिटेड

द्वै माल, निकट कालीबाडी मंदिर,

पटियाला - 147 001 (पंजाब)

और 13 अन्य

याचिका का सत्यापन करने के लिए शपथ-पत्र

मैं, एम जी गोखले, सुपुत्र स्वर्गीय श्री जी.डी गोखले, आयु 53 वर्ष, एनएचपीसी लिमिटेड में महाप्रबंधक (वाणिज्यिक) के रूप में कार्यरत, उपर्युक्त मामले में आवेदक, सत्यनिष्ठा से निम्नलिखित प्रतिज्ञान और कथन करता हूं:

1. मैं एनएचपीसी लिमिटेड में महाप्रबंधक (वाणिज्यिक) के रूप में कार्यरत हूं और उपर्युक्त मामले के तथ्यों से भली भांति परिचित हूं।
2. इस याचिका में किए गए कथन मेरी जानकारी और विश्वास के अनुसार सत्य हैं और उपलब्ध दस्तावेजों/अभिलेखों और/या प्रबंधन के अनुमोदन पर आधारित हैं।

23 अक्टूबर 2019, को फरीदाबाद में सत्यनिष्ठा से प्रतिज्ञान किया गया कि उपर्युक्त शपथ-पत्र की विषय-वस्तु मेरी जानकारी के अनुसार सत्य है, इसका कोई भाग मिथ्या नहीं है और उसमें से कोई सारवान बात छिपाई नहीं गई है।

अभिसाक्षी

मेरे समक्ष शनाख्त की गई



एन एच पी सी लिमिटेड

(भारत सरकार का उद्यम)

NHPC Limited

(A Government of India Enterprise)

संदर्भ सं./Ref. No. NH/Comml./Tariff/315/2018

फोन/Phone : 011-05-2018
दिनांक/Date : _____

Authority Letter

I, M.K. Mittal, S/o Sh. Tek Chand Mittal working as Director (Finance), NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana, 121003, hereby authorize following officials of Commercial Division:

1. Sh. Ashok Kumar Pandey, Chief Engineer (Comml.)
2. Sh. Milind Ganesh Gokhale, Chief Engineer (Comml.)

to do all or any of the acts or things hereinafter mentioned below:

1. To institute, defend, argue and conduct petitions, sign and verify petitions, written statements, written submissions and to file the same before the Central Electricity Regulatory Commission.
2. To appear, act and plead before the Central Electricity Regulatory Commission.
3. To compromise, compound or withdraw cases filed before the Central Electricity Regulatory Commission.
4. To file petitions or affidavits before the Central Electricity Regulatory Commission and to obtain the copies of documents, papers, records etc.
5. To apply for the inspection of the records of the proceedings of the Central Electricity Regulatory Commission.
6. To issue notices and accept service of any summons, notices or orders issued by the Central Electricity Regulatory Commission.



पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्प्लेक्स, सेक्टर-33, फरीदाबाद, हरियाणा-121 003 (भारत)
Regd. Office : NHPC Office Complex, Sector-33, Faridabad, Haryana-121 003 (India)
Website : www.nhpcindia.com; E-mail : webmaster@nhpc.nic.in; Fax : 0129-2277941; EPABX No. : 0129-2278421



Continuation Sheet No.....

7. To sign the appeals, petition etc. arising out of any summons, notices or orders issued by the Central Electricity Regulatory Commission on behalf of the Company.
8. To take all such actions as may be necessary in the case.

The Specimen signature of

Sh. Ashok Kumar Pandey

Ashok

Sh. Milind Ganesh Gokhale

Milind

Milind

M.K. Mittal
(M.K. Mittal)

Director (Finance)

04/05/2018

एम. के. मिश्र / M. K. MITTAL
निदेशक (वित्त) / Director (Finance)
एन एच पी सी लिमिटेड / NHPC Limited
(भारत सरकार का उद्यम / A Govt. of India Enterprise)
सेक्टर-33, फरीदाबाद / Sector - 33, Faridabad



M.K. Mittal
(M.K. Mittal)

Director (Finance)

04/05/2018

एम. के. मिश्र / M. K. MITTAL
निदेशक (वित्त) / Director (Finance)
एन एच पी सी लिमिटेड / NHPC Limited
(भारत सरकार का उद्यम / A Govt. of India Enterprise)
सेक्टर-33, फरीदाबाद / Sector - 33, Faridabad

ANNEX-I

Summary Sheet

Name of the Petitioner : NHPC LIMITED

Name of the Generating Station : Chamera-I Power Station

Place (Region / District / State) : Northern / Chamba / Himachal Pradesh

(Rs. Lakh)

Sl. No.	Particulars	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7	8
1.1	Depreciation	4,200.73	4,222.52	4,256.96	4,283.19	4,317.27	4,422.52
1.2	Interest on Loan	0.00	0.00	0.00	0.00	0.00	0.00
1.3	Return on Equity ¹	13,223.77	13,381.04	13,447.01	13,362.09	13,478.20	13,612.45
1.4	Interest on Working Capital	919.17	994.36	1,035.82	1,076.21	1,124.18	1,177.17
1.5	O & M Expenses	11,115.31	10,664.95	11,373.53	12,129.19	12,935.05	13,794.46
	Total AFC	29,458.98	29,262.87	30,113.31	30,850.68	31,854.71	33,006.61

Note

1: Details of calculations, considering equity as per regulation, to be furnished.

For Arora Vohra & Co.
Chartered Accountants
FRN No.-009847N



Partner : A. K Aggarwal
M. No. 013833
UDIN:19013833AAAAES5293

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)
Commercial Division

Name of the Petitioner : NHPC LIMITED
Name of the Generating Station : Chamera-I Power Station
Place (Region / District / State) : Northern / Chamba / Himachal Pradesh

FORM-1(I)

Statement showing claimed capital cost

(₹ Lakh)

Sl. No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7
1	Opening Capital Cost	204,415.75	204,984.42	205,475.48	205,661.81	206,305.11
2	Add : Addition during the year / period	395.14	551.47	246.84	645.40	2,770.94
3	Less : De-capitalisation during the year / period	13.53	62.22	60.51	24.81	948.66
4	Less : Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add : Discharges during the year / period	187.07	1.81	0.00	22.70	90.51
6	Closing Capital Cost	204,984.42	205,475.48	205,661.81	206,305.11	208,217.90
7	Average Capital Cost	204,700.09	205,229.95	205,568.65	205,983.46	207,261.50

FORM-1(II)

Statement showing Return on Equity

(₹ in Lakh)

Sl. No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7
1	Opening Equity	63,365.04	63,535.64	63,682.96	63,738.86	63,931.85
2	Add : Increase due to addition during the year / period	118.54	165.44	74.05	193.62	831.28
3	Less : Decrease due to de-capitalisation during the year / period	4.06	18.67	18.15	7.44	284.60
4	Less : Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add : Increase due to discharges during the year / period	56.12	0.54	0.00	6.81	27.15
6	Closing Equity	63,535.64	63,682.96	63,738.86	63,931.85	64,505.68
7	Average Equity	63,450.34	63,609.30	63,710.91	63,835.35	64,218.77
8	Rate of ROE	21.089%	21.140%	20.973%	21.114%	21.197%
9	Return on Equity	13,381.04	13,447.01	13,362.09	13,478.20	13,612.45

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Details of COD, Type of hydro station, Normative Annual Plant Availability Factor(NAPAF) & Other normative parameters considered for tariff calculation

Name of the Petitioner : NHPC LIMITED

Name of the Generating Station : Chamera-I Power Station

Sl. No.	Description	Unit	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	Installed Capacity	MW	540	540				
2	Free power to home state	%	12	12				
3	Date of commercial operation							
	Unit-1		01.05.1994	01.05.1994				
	Unit-2		-do-	-do-				
	Unit-3		-do-	-do-				
4	Type of Station							
	a) Surface / underground		Underground	Underground				
	b) Purely ROR / Pondage/ Storage		Pondage	Pondage				
	c) Peaking / non-peaking		Peaking	Peaking				
	d) No. of hours of peaking		Not less than three hours	Not less than three hours				
	e) Overload capacity (MW) & period		10% when up to two machines are under operation and 5% for short time (meant for FGMO) when all the three machines are running at 0.9 p.f and frequency 50 Hz.	10% when up to two machines are under operation and 5% for short time (meant for FGMO) when all the three machines are running at 0.9 p.f and frequency 50 Hz.				
5	Type of excitation							
	a) Rotaing exciters on generator							
	b) Static excitation		Static	Static				
6	Design Energy (Annual) ¹	Gwh	1664.56	1664.56				
7	Auxiliary Consumption including Transformation losses	%	1.2	1.2				
8	Normative Annual Plant Availability Factor (NAPAF)	%	90	90				
9.1	Maintainance Spares for WC	% of O&M	15	15				
9.2	Receivables for WC	in Months	2	2				
9.3	Base Rate of Return on Equity	%	16.50%	16.50%	16.50%	16.50%	16.50%	16.50%
9.4	Tax Rate ²	%	20.96%	20.96%	21.34%	21.34%	21.34%	21.55%
9.5	Effective Tax Rate ⁴	%	20.96%	21.76%	21.95%	21.33%	21.85%	22.16%
9.6	Prime lending Rate of SBI as on 01.04.2014. ³	%	12.25%	13.50%	13.50%	13.50%	13.50%	13.50%

1. Month wise 10-day Design energy figures to be given separately with the petition.

2. Tax rate applicable to the company for the year FY 2013-14 should also be furnished.

3. Mention relevant date

4. Effective tax rate is to be computed in accordance with Regulation 25 i.e. actual tax (or advance tax) / gross income, where gross income refers the profit before tax.

*Effective tax rate for 2014-15 will be known after financial year closure. Hence, effective rate of 2013-14 has been for calculation taken

**For Arora Vohra & Co.
Chartered Accountants**

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)



SALIENT FEATURES OF HYDROELECTRIC PROJECT

NAME OF COMPANY : NHPC LTD.
 NAME OF POWER STATION : Chamera-I Power Station

1. Location	
State/Distt.	Himachal Pradesh, Distt.: Chamba
River	Ravi
2. Diversion Tunnel	
Size, shape	Horse shoe, 10.7 m dia
Length (M)	490 m length
3. Dam	
Type	Concrete arch gravity
Maximum dam height (M)	121 m (above River bed)
4. Spillway	
Type	Ogee Type
Crest level of spillway (M)	730 m
5. Reservoir	
Full Reservoir Level (FRL) (M)	760 m
Minimum Draw Down Level (MDDL) (M)	748.75 m
Live storage (MCM)	98.28 MCM
6. Desilting Arrangement	
Type	Not applicable
Number and Size	
Particle size to be removed (mm)	
7. Head Race Tunnel	
Size and type	9.5 m dia, Horse shoe
Length (M)	6414 m
Design discharge (Cumecs)	350 cubic mtr/sec
8. Surge Shaft	
Type	Restricted orifice
Diameter (M)	25 m
Height (M)	84 m
9. Penstock/Pressure Shaft	
Type	Pressure shaft
Diameter & Length (M)	Circular Underground Vertical 8.5m X 157m
10. Power House	
Installed capacity (No. of units x MW)	3x180 MW
Type of turbine	Francis Vertical
Rated Head (M)	185
Rated Discharge (Cumecs)	117 cumecs per unit
Head at Full Reservoir Level (M)	207
Head at Minimum Draw down Level (M)	197.65
MW Capability at FRL	540
MW Capability at MDDL	540
11. Tail Race Tunnel	
Diameter (M), shape	9.5m, Horse shoe shape
Length (M)	2447m
Minimum tail water level (M)	551.10 m
12. Switchyard	
Type of Switch gear	GIS
No. of generator bays	3
No. of Bus coupler bays	1
No. of line bays	3

Note : Specify limitation on generation during specific time period on account of restriction(s) on water use due to irrigation, drinking water, industrial, environmental considerations etc.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited



(M G Gokhale)
General Manager (Comml.)

45

Details of Foreign loans

(Details only in respect of loans applicable to the project under petition)

Name of the Petitioner
 Name of the Generating Station
 Exchange Rate at COD
 Exchange Rate as on 01.05.1994

NHPC Limited
 Chamera-I Power Station

Sl.	Financial Year (Starting from COD)	Year 1				Year 2				Year 3 and so on			
		1	2	3	4	5	6	7	8	9	10	11	12
		Date	Amount (Foregin Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)
	Currency1¹												
A	1 At the date of Drawl ²												
	2 Scheduled repayment date of principal												
	3 Scheduled payment date of interest												
	4 At the end of Financial year												
B	In case of Hedging ³												
	1 At the date of hedging												
	2 Period of hedging												
	3 Cost of hedging												
	Currency2¹												
A	1 At the date of Drawl ²												
	2 Scheduled repayment date of principal												
	3 Scheduled payment date of interest												
	4 At the end of Financial year												
B	In case of Hedging ³												
	1 At the date of hedging												
	2 Period of hedging												
	3 Cost of hedging												
	Currency3¹ & so on												
A	1 At the date of Drawl ²												
	2 Scheduled repayment date of principal												
	3 Scheduled payment date of interest												
	4 At the end of Financial year												
B	In case of Hedging ³												
	1 At the date of hedging												
	2 Period of hedging												
	3 Cost of hedging												

NOT APPLICABLE

1. Name of the currency to be mentioned e.g. US\$, DM, etc.
2. In case of more than one drawl during the year, Exchange rate at the date of each drawl to be given
3. Furnish details of hedging, in case of more than one hedging during the year or part hedging, details of each hedging are to be given
4. Tax (such as withholding tax) details as applicable including change in rates, date from which change effective etc. must be clearly indicated.

For Arora Vohra & Co.
 Chartered Accountants

For NHPC Limited

(Signature)
 (M G Gokhale)
 General Manager (Comml.)



Details of Foreign Equity

(Details only in respect of Equity infusion if any applicable to the project under petition)

Name of the Petitioner : **NHPC Limited**
 Name of the Generating Station : **Chamera-I Power Station**
 Exchange Rate on date/s of infusion :

Sl.	Financial Year	Year 1				Year 2				Year 3 and so on			
		2	3	4	5	6	7	8	9	10	11	12	13
		Date	Amount (Foregin Currency)	Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Exchange Rate	Amount (Rs. Lakh)
	Currency1¹												
A 1	At the date of infusion ²												
2													
3													
	Currency2¹												
A 1	At the date of infusion ²												
2													
3													
	Currency3¹												
A 1	At the date of infusion ²												
2													
3													
	Currency4¹ & so on												
A 1	At the date of infusion ²												
2													
3													

NOT APPLICABLE

1. Name of the currency to be mentioned e.g. US\$, DM, etc.

2. In case of equity infusion more than once during the year, Exchange rate at the date of each infusion to be given.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited


(M G Gokhale)
General Manager (Comml.)



Abstract of Admitted Capital Cost for the existing Projects

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

Capital Cost as admitted by CERC		
a)	Capital cost admitted as on <u>31.03.2014</u> (₹ lakh)	204415.75
	(Give reference of the relevant CERC Order with Petition No. & Date)	CERC tariff order dtd.04.09.2015 in Petition No.237/GT/2014
b)	Foreign Component, if any (In Million US \$ or the relevant Currency)	Not Applicable
c)	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	
d)	Total Foreign Component (Rs. Lakh)	
e)	Domestic Component (Rs. Lakh.)	
f)	Hedging cost, if any, considered for the admitted Capital cost (Rs Lakh)	
	Total Capital cost admitted (₹ Crs) (d+e+f)	

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited



(Signature)
(M G Gokhale)
General Manager (Comml.)

Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Projects

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

New Projects**Capital Cost Estimates**

Board of Director/ Agency approving the Capital cost estimates:		
Date of approval of the Capital cost estimates:		
	Present Day Cost	Completed Cost
Price level of approved estimates	As on end of _____ qtr. of the year	As on scheduled COD of the Station
Foreign Exchange rate considered for the Capital cost estimates		
Capital Cost excluding IDC, IEDC & FC		
Foreign Component, if any (In Million US \$ or the relevant currency)	NOT APPLICABLE	
Domestic Component (Rs. Lakh)		
Capital cost excluding IDC, IEDC, FC, FERV & Hedging Cost (Rs. Lakh)		
IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant currency)	NOT APPLICABLE	
Domestic Component (Rs. Lakh)		
Total IDC, IEDC, FC, FERV & Hedging Cost (Rs. Lakh)		
Rate of taxes & duties considered		
Capital cost including IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant currency)	NOT APPLICABLE	
Domestic Component (Rs. Lakh)		
Capital cost including IDC, IEDC & FC (Rs. Lakh)		
Schedule of Commissioning as per investment approval		
Scheduled COD of Unit-I		
Scheduled COD of Unit-II		
.....		
.....		
Scheduled COD of last Unit/Station		

Note:

1. Copy of approval letter should be enclosed
2. Details of Capital Cost are to be furnished as per FORM-5B or 5C as applicable.
3. Details of IDC & Financing Charges are to be furnished as per FORM-14.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comm.)

Break-up of Capital Cost for New Hydro Power Generating Station

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Chamara-I Power Station

(Amount in Lakh)

Sl. No.	Break Down	Original cost as approved by Authority / Investment Approval	Actual Capital Expenditure as on actual / anticipated COD	Liabilities / Provisions	Variation	Reason for Variation
1	2	3	4	5	6 = 3-4-5	7
1.0	Infrastructure Works					
1.1	Preliminary including Development					
1.2	Land *					
1.3	R&R Expenditure					
1.4	Buildings					
1.5	Township					
1.6	Maintenance					
1.7	Tools & Plants					
1.8	Communication					
1.9	Environment & Ecology					
1.10	Losses on stock					
1.11	Receipt & Recoveries					
1.12	Total (Infrastructure works)					
2.0	Major Civil Works					
2.1	Dam, Intake & Desilting Chambers					
2.2	HRT, TRT, Surge Shaft & Pressure shafts					
2.3	Power Plant civil works					
2.4	Other civil works (to be specified)					
2.5	Total (Major Civil Works)					
3.0	Hydro Mechanical equipments					
4.0	Plant & Equipment					
4.1	Initial spares of Plant & Equipment					
4.2	Total (Plant & Equipment)					
5.0	Taxes and Duties					
5.1	Custom Duty					
5.2	Other taxes & Duties					
5.3	Total Taxes & Duties					
6.0	Construction & Pre-commissioning expenses					
6.1	Erection, testing & commissioning					
6.2	Construction Insurance					
6.3	Site supervision					
6.4	Total (Const. & Pre-commissioning)					
7.0	Overheads					
7.1	Establishment					
7.2	Design & Engineering					
7.3	Audit & Accounts					
7.4	Contingency					
7.5	Rehabilitation & Resettlement					
7.6	Total (Overheads)					
8.0	Capital Cost without IDC, FC, FERV & Hedging Cost					
9.0	IDC, FC, FERV & Hedging Cost					
9.1	Interest During Construction (IDC)					
9.2	Financing Charges (FC)					
9.3	Foreign Exchange Rate Variation (FERV)					
9.4	Hedging Cost					
9.5	Total of IDC, FC, FERV & Hedging Cost					
10.0	Capital cost Including IDC, FC, FERV & Hedging Cost					

NOT APPLICABLE

* Provide details of Freehold Land, Leasehold Land and Land under reservoir separately

Note:

- In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost over-run was beyond the control of the generating company.
- In case of both time & cost overrun, a detailed note giving reasons of such time and cost over-run should be submitted clearly bringing out the agency responsible and whether such time and cost overrun was beyond the control of the generating company.
- The implication on cost due to time over run, if any shall be submitted separately giving details of increase in prices in different packages from scheduled COD to Actual COD / anticipated COD, increase in IEDC from scheduled COD to actual COD / anticipated COD and increase of IDC from scheduled COD to actual anticipated COD.
- Impact on account of each reason for Time over run on Cost of project should be quantified and substantiated with necessary documents and supporting workings.
- A list of balance work assets / work wise including initial spare on original scope of works along with estimate shall be furnished positively.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited

(M G Gokhale)
General Manager (Comm.)



Break-up of Capital Cost for Plant & Equipment (New Projects)

Name of the Petitioner : NHPC Limited
 Name of the Generating Station : Chamera-I Power Station

(Amount in Lakh)

Sl. No.	Break Down	Original cost as approved by Authority / Investment Approval ¹	Cost on Actual / anticipated COD ¹	Variation	Reason for Variation *
1	2	Total Cost	Total Cost	3	4
1.0	Generator, turbine & Accessories				
1.1	Generator package				
1.2	Turbine package				
1.3	Unit control Board				
1.4	C&I package				
1.5	Bus Duct of GT connection				
1.6	Total (Generator, turbine & Accessories)				
2.0	Auxiliary Electrical Equipment				
2.1	Step up transformer				
2.2	Unit Auxiliary Transformer				
2.3	Local supply transformer				
2.4	Station transformer				
2.5	SCADA				
2.6	Switchgear, Batteries, DC dist. Board				
2.7	Telecommunication equipment				
2.8	Illumination of Dam, PH and Switchyard				
2.9	Cables & cable facilities, grounding				
2.10	Diesel generating sets				
2.11	Total (Auxiliary Elect. Equipment)				
3.0	Auxiliary equipment & services for power station				
3.1	EOT crane				
3.2	Other cranes				
3.3	Electric lifts & elevators				
3.4	Cooling water system				
3.5	Drainage & dewatering system				
3.6	Fire fighting equipment				
3.7	Air conditioning, ventilation and heating				
3.8	Water supply system				
3.9	Oil handling equipment				
3.10	Workshop machines & equipment				
3.11	Total (Auxiliary equipmt. & services for PS)				
4.0	Switchyard package				
5.0	Initial spares for all above equipments				
6.0	Total Cost (Plant & Equipment) excluding IDC, FC, FERV & Hedging Cost				
7.0	IDC, FC, FERV & Hedging Cost				
7.1	Interest During Construction (IDC)				
7.2	Financing Charges (FC)				
7.3	Foreign Exchange Rate Variation (FERV)				
7.4	Hedging Cost				
7.5	Total of IDC, FC, FERV & Hedging Cost				
8.0	Total Cost (Plant & Equipment) including IDC, FC, FERV & Hedging cost				

NOT APPLICABLE

Note:

1. In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost overrun was beyond the control of the generating company.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited

(M G Gokhale)
General Manager (Comm.)



Break-up of Construction/Supply/Service packages

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

1	Name/No. of Construction / Supply / Service Package	Package A	Package B	Package C	Total Cost of all packages
2	Scope of works ¹ (in line with head of cost break-ups as applicable)	NOT APPLICABLE				
3	Whether awarded through ICB / DCB / Departmentally / Deposit Work					
4	No. of bids received					
5	Date of Award					
6	Date of Start of work					
7	Date of Completion of Work / Expected date of completion of work					
8	Value of Award ² in (Rs. Lakh)					
9	Firm or With Escalation in prices					
10	Actual capital expenditure till the completion or up to COD whichever is earlier (Rs.Lakh)					
11	Taxes & Duties and IEDC (Rs. Lakh)					
12	IDC, FC, FERV & Hedging cost (Rs. Lakh)					
13	Sub-total (10+11+12) (Rs. Lakh)					

Note:

1. If there is any package, which need to be shown in Indian Rupee and foreign currency (ies), the same should be shown separately along with the currency, the exchange rate and the date.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited

(Signature)
**(M G Gokhale)
General Manager (Comm.)**

In case there is cost over run

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

Sl. No.	Break Down	Original cost as approved by Board Members (₹ Lakh)	Actual / Estimated Cost as Incurred / to be Incurred (₹ Lakh)	Difference	Reason for Variation (Please submit supporting computations and documents wherever applicable)	Increase in soft cost due to Increase in hard cost
		Total Cost	Total Cost	Total Cost		
1.0	Cost of Land & Site Development					
1.1	Land*					
1.2	Rehabilitation & Resettlement (R&R)					
1.3	Preliminary Investigation & Site Development					
2.0	Plant & Equipment					
2.1	Steam Generator Island					
2.2	Turbine Generator Island					
2.3	BOP Mechanical					
2.3.1	Fuel Handling & Storage system					
2.3.2	External water supply system					
2.3.3	DM water Plant					
2.3.4	Clarification plant					
2.3.5	Chlorination Plant					
2.3.6	Fuel Handling & Storage system					
2.3.7	Ash Handling System					
2.3.8	Coal Handling Plant					
2.3.9	Rolling Stock and Locomotives					
2.3.10	MGR					
2.3.11	Air Compressor System					
2.3.12	Air Condition & Ventilation System					
2.3.13	Fire fighting System					
2.3.14	HP/LP Piping					
	Total BOP Mechanical					
2.4	BOP Electrical					
2.4.1	Switch Yard Package					
2.4.2	Transformers Package					
2.4.3	Switch gear Package					
2.4.4	Cables, Cable facilities & grounding					
2.4.5	Lighting					
2.4.6	Emergency D.G. set					
	Total BOP Electrical					
2.5	Control & Instrumentation (C & I) Package					
	Total Plant & Equipment excluding taxes & Duties					
3	Initial Spares					
4	Civil Works					
4.1	Main plant/Adm. Building					
4.2	CW system					
4.3	Cooling Towers					
4.4	DM water Plant					
4.5	Clarification plant					
4.6	Chlorination plant					
4.7	Fuel handling & Storage system					
4.8	Coal Handling Plant					
4.9	MGR & Marshalling Yard					
4.10	Ash Handling System					
4.11	Ash disposal area development					
4.12	Fire fighting System					
4.13	Township & Colony					
4.14	Temp. construction & enabling works					
4.15	Road & Drainage					
	Total Civil works					
5	Construction & Pre- Commissioning Expenses					
5.1	Erection Testing and commissioning					
5.2	Site supervision					
5.3	Operator's Training					
5.4	Construction Insurance					
5.5	Tools & Plant					
5.6	Start up fuel					
	Total Construction & Pre- Commissioning Expenses					
6.0	Overheads					
6.1	Establishment					
6.2	Design & Engineering					
6.3	Audit & Accounts					
6.4	Contingency					
	Total Overheads					
7.0	Capital cost excluding IDC & FC					
8.0	IDC, FC, FERV & Hedging Cost					
8.1	Interest During Construction (IDC)					
8.2	Financing Charges (FC)					
8.3	Foreign Exchange Rate Variation (FERV)					
8.4	Hedging Cost					
	Total of IDC, FC, FERV & Hedging Cost					
9.0	Capital cost including IDC, FC, FERV & Hedging Cost					

NOT APPLICABLE

*Submit details of Freehold and Lease hold land

Note : Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited

(M G Gokhale)
General Manager (Comm.)



In case there is time over run

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

S. No.	Description of Activity / Works / Service	Original Schedule (As per Planning)		Actual Schedule (As per Actual)		Time Over-Run	Reasons for delay	Other Activity effected (Mention Sr No of activity affected)				
		Start Date	Completion Date	Actual Start Date	Actual Completion Date	Days						
1												
2		NOT APPLICABLE										
3												
4												
5												
6												
7												
8												
9												
10												

1. Delay on account of each reason in case of time overrun should be quantified and substantiated with necessary documents and supporting workings.

2. Indicates the activities on critical path.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

In case there is claim of additional RoE

Name of the Petitioner : NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

S. No.	Completion Time as per Investment approval (Months)				Actual Completion time				Qualifying time schedule (as per regulation)
	Start Date	Scheduled COD (Date)	Months	Installed Capacity	Start Date	Actual COD (Date)	Actual Completion time in Months	Tested Capacity	Months
Unit 1									
Unit 2									
Unit 3	Not Applicable								
Unit 4									
....									
.....									

Note : Necessary documentary evidence in support of actual completion time to be submitted in accordance with Regulation 5(1).

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Financial Package upto COD

Name of the Company **NHPC LTD.**
Name of the Power Station **CHAMERA-I POWER STATION**
Project Cost as on COD¹ **1969.76 ***
Date of Commercial Operation of the Station² **01.05.1994**

(₹ lacs)

1	Financial Package as Approved		Financial Package as on COD *		As Admitted on COD **	
	2	3	4	5	6	7
GOI LOAN			INR	7067		
B SERIES 13%			INR	3767		
C SERIES			INR	7446		
D & E SERIES			INR	14351		
F SERIES			INR	13187		
G SERIES			INR	5699		
H SERIES 17%			INR	5000		
H SERIES 18%			INR	2519		
I SERIES			INR	13510		
UTI LOAN			INR	10000		
UTI LOAN			INR	10597		
EDC LOAN			INR	37180		
Total Loans				130323		141050.71
Equity-						
Foreign						
Domestic				58566		63365.04
Total Equity				58566		63365.04
Debt : Equity Ratio				68.99 : 31.01		69.00 : 31.00

¹ Say US \$ 200m + Rs.400 Cr or Rs.1200 Cr including US \$200m at an exchange rate of 1US \$=Rs.40/-

² Date of Commercial Operation means Commercial Operation of the last unit

³ For example : US \$, 200M etc.

* Gross Block as on 31/03/1998 & as admitted by CERC in tariff order dated 10/03/2005.

** As on 31/03/2014 & approved by CERC in order dtd. 04.09.2015 & 04.12.2015 in petition No. 237/GT/2014.
The equity and loan figures are normative.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited



(Signature)
(M G Gokhale)
General Manager (Comml.)

Details of Project Specific Loans

Name of the Petitioner

NHPC Limited

Name of the Generating Station

Chamera-I Power Station

(Amount in lacs)

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Source of Loan ¹						
Currency ²						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto 31.03.2014 / COD 3,4,5,13,15						
Interest Type ⁶						
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest ⁷						
Margin, if Floating Interest ⁸						
Are there any Caps/Floor ⁹						
If above is yes,specify caps/floor						
Moratorium Period ¹⁰						
Moratorium effective from						
Repayment Period ¹¹						
Repayment effective from						
Repayment Frequency ¹²						
Repayment Instalment ^{13,14}						
Base Exchange Rate ¹⁶						
Are Foreign currency hedged?						
If above is yes,specify details ¹⁷						

All actual loans have been repaid.

¹ Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

² Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

³ Details are to be submitted as on 31.03.2014 for existing assets and as on COD for the remaining assets.

⁴ Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

⁵ If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

⁶ Interest type means whether the interest is fixed or floating.

⁷ Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Documentary evidence for applicable base rate on different dates from the date of drawl may also be enclosed.

⁸ Margin means the points over and above the floating rate.

⁹ At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

¹⁰ Moratorium period refers to the period during which loan servicing liability is not required.

¹¹ Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

¹² Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

¹³ Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately.

¹⁴ If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished separately.

¹⁵ In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given with documentary evidence.

¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets and as on COD for the remaining assets.

¹⁷ In case of hedging specify the details like type of hedging, period of hedging, cost of hedging etc.

¹⁸ In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

¹⁹ At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately

²⁰ At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

²¹ Call or put option, if any exercised by the generating company for refinancing of loan

²² Copy of loan agreement

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited



(M G Gokhale)
General Manager (Comml.)

Details of allocation of corporate loans to various projects

Name of the Petitioner : **NHPC Limited**
 Name of the Generating Station : **Chamera-I Power Station**

(Amount in lacs)

Particulars	Package1	Package2	Package3	Package4	Package5	Remarks
1	2	3	4	5	6	7
Source of Loan ¹						
Currency ²						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto 31.03.2014 / COD ^{3,4,5,13,15}						
Interest Type ⁶	All actual loans have been repaid.					
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest ⁷						
Margin, if Floating Interest ⁸						
Are there any Caps/Floor ⁹						
If above is yes,specify caps/floor						
Moratorium Period ¹⁰						
Moratorium effective from						
Repayment Period ¹¹						
Repayment effective from						
Repayment Frequency ¹²						
Repayment Instalment ^{13,14}						
Base Exchange Rate ¹⁶						
Are Foreign currency hedged?						
If above is yes,specify details ¹⁷						
	Distribution of loan packages to various projects					
Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

¹ Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

² Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

³ Details are to be submitted as on 31.03.2014 for existing assets and as on COD for the remaining assets.

⁴ Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

⁵ If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

⁶ Interest type means whether the interest is fixed or floating.

⁷ Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Documentary evidence for applicable base rate on different dates from the date of drawl may also be enclosed.

⁸ Margin means the points over and above the floating rate.

⁹ At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

¹⁰ Moratorium period refers to the period during which loan servicing liability is not required.

¹¹ Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

¹² Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

¹³ Where there is more than one drawl/repayment for a loan, the date & amount of each drawl/repayment may also be given separately.

¹⁴ If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished separately.

¹⁵ In case of Foreign loan, date of each drawl & repayment alongwith exchange rate at that date may be given with documentary evidence.

¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets and as on COD for the remaining assets.

¹⁷ In case of hedging specify the details like type of hedging, period of hedging, cost of hedging etc.

¹⁸ In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

¹⁹ At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately

²⁰ At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

²¹ Call or put option, If any exercised by the generating company for refinancing of loan

²² Copy of loan agreement

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner : NHPC LTD.

Name of the Generating Station :Chamera-I Power Station

COD : 01.05.1994

For Financial Year : 2014-15

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																												
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																															
1	2	3	4	5=3-4	6	7	8	9																												
A Items allowed by CERC																																				
1	(412503) Purchase of High Mast Lighting	0.00	0.00	0.00	0.00	14(3)(viii)	CERC has allowed purchase of High Mast Light vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.1, page no. 34). Actual Execution of has been done in 2016-17 (refer Sl. No. 8 in 16-17). Initially the NIT was issued on 26.09.2014. However due to some technical reason the Tender was cancelled on 31.01.2015 and fresh case was initiated. Second time the case was initiated on 13.02.2015 with NIT date on 19.02.2015 and finally the case was awarded on 08.09.2015. The item was install and capitalise during 2016-17. (Please refer S No.8 of 9A)	11.00																												
2	(412503) Security and Surveillance System	29.00	1.81	27.19	0.00	14(3)(iii)	CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveillance System in phase manner as stated below:- <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>10.00</td> <td>29.00</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>15.00</td> <td>7.50</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>15.00</td> <td>14.76</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>15.00</td> <td>48.55</td> </tr> <tr> <td>5.</td> <td>2018-19</td> <td>15.00</td> <td>9.86</td> </tr> <tr> <td colspan="2">Total</td> <td>70.00</td> <td>109.67</td> </tr> </tbody> </table> <p>(In year 2014-15 following items purchased) Hand Held Metal Detector, Dragon Light With Charger Fixed Network Camera,Ptz Network Camera, Safety Belt (Full Body Harness), Lifebuoy Circular (Approved By The Mercantile Marine Department), Life Jacket For Adults (Approved By The Mercantile Marine Department), Finger Print Based Attendance Recording System, Single Port Midspan For Power Over Ethernet for CCTV, Boundary Wall of 20 B Type Quarters, Store Room And Toilets for CISF</p>	S No.	Year	Allowed	Utilized	1.	2014-15	10.00	29.00	2.	2015-16	15.00	7.50	3.	2016-17	15.00	14.76	4.	2017-18	15.00	48.55	5.	2018-19	15.00	9.86	Total		70.00	109.67	10.00
S No.	Year	Allowed	Utilized																																	
1.	2014-15	10.00	29.00																																	
2.	2015-16	15.00	7.50																																	
3.	2016-17	15.00	14.76																																	
4.	2017-18	15.00	48.55																																	
5.	2018-19	15.00	9.86																																	
Total		70.00	109.67																																	



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																								
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																											
1	2	3	4	5=3-4	6	7	8	9																								
3	(410711) Supply and Installation of PLC based Data acquisition system	0.00	0.00	0.00	0.00	14(3)(viii)	CERC allowed Supply and Installation of PLC based Data acquisition system of vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.3, page no. 35). Actual Execution of has been done in 2015-16 (refer sl. No.12 of 15-16). The installation and Commissioning of PLC based online real time monitoring and recording system was proposed by CPS-I in FY 2014-15 and supply order was placed on 20.09.2014. As per the Letter of Award, the work was to be completed on or before 07/04/2015 (In FY 2015-16). Due to problem in establishing the communication between the two panels (One at Power House and another at Switchyard) the commissioning was completed on 06.01.2016 i.e. in FY 2015-16. As the commissioning of the system was completed in FY 2015-16 therefore capitalised for Rs. 19.70 lakhs in FY 2015-16.	25.00																								
4	(412502) Replacement of Portable DGA Instrument	0.00	0.00	0.00	0.00	14(3)(viii)	CERC allowed Replacement of Portable DGA Instrument vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.3, page no. 35). Actual Execution of has been done in 2015-16 (refer sl. No.13 of 15-16). The purchase of portable DGA was proposed by CPS-I in FY 2014-15 and supply order was placed on 26.12.2014. The delivery period given to the supplier was 120 days hence the DGA has been capitalised for Rs. 37.96 Lakhs in FY 2015-16. Therefore being claimed in FY 2015-16. The above item purchased on replacement basis, assume deletion for the same was claimed in form 9B (please refer Sl. No.1 year 2015-16) for Rs.38.52 Lacs.	36.00																								
5	(412005) Purchase of Hospital Equipment	1.39	0.00	1.39	0.00	14(3)(viii)	CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Hospital Equipment in phase manner as stated below:- <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>2.00</td> <td>1.39</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>0.45</td> <td>4.23</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>0.00</td> <td>6.74</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>0.00</td> <td>6.21</td> </tr> <tr> <td colspan="2">Total</td> <td>2.45</td> <td>18.57</td> </tr> </tbody> </table> (In year 2014-15 following items purchased) BP apparatus lcd oxyseter on height adjustable stand, Foetal heart monitor, Suction machine, BP apparatus mercury free, Nebulizer	S No.	Year	Allowed	Utilized	1.	2014-15	2.00	1.39	2.	2015-16	0.45	4.23	3.	2016-17	0.00	6.74	4.	2017-18	0.00	6.21	Total		2.45	18.57	2.00
S No.	Year	Allowed	Utilized																													
1.	2014-15	2.00	1.39																													
2.	2015-16	0.45	4.23																													
3.	2016-17	0.00	6.74																													
4.	2017-18	0.00	6.21																													
Total		2.45	18.57																													



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																								
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																											
1	2	3	4	5=3-4	6	7	8	9																								
6	(412005) Replacement of Hospital Equipment	0.99	0.00	0.99	0.00	14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Hospital Equipment on replacement basis in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>1.00</td> <td>0.99</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>1.55</td> <td>2.90</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>12.00</td> <td>15.46</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>16.00</td> <td>1.10</td> </tr> <tr> <td colspan="2">Total</td> <td>30.55</td> <td>20.45</td> </tr> </tbody> </table> <p>(In year 2014-15 following items purchased) 6 channel ECG Machine, replacement claim in 2014-15 as assumed deletion at Sl No. 1 in form 9B1)</p>	S No.	Year	Allowed	Utilized	1.	2014-15	1.00	0.99	2.	2015-16	1.55	2.90	3.	2016-17	12.00	15.46	4.	2017-18	16.00	1.10	Total		30.55	20.45	1.00
S No.	Year	Allowed	Utilized																													
1.	2014-15	1.00	0.99																													
2.	2015-16	1.55	2.90																													
3.	2016-17	12.00	15.46																													
4.	2017-18	16.00	1.10																													
Total		30.55	20.45																													
7	(411109) Replacement of 40MT Hydraulic Crane	158.77	0.00	158.77	0.00	14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.7, page no. 38). Projected amount was based on budgetary offer / executed work. However, actual amount is based on price discovered through tendering & hence justified. The assumed deletion of this item is shown in form 9B(i) 14-15 Sl. No.2, actual de-capitalization is already done in year 2013-14</p>	177.00																								
8	(411105) Replacement of Wheel Dozer	0.00	0.00	0.00	0.00	14(3)(viii)	<p>CERC has allowed purchase of Wheel Dozer but keeping in view the current requirement, the proposal for Purchase of Wheel Dozer has been reviewed and in place of dozer 1 no. Wheel Loader amounting to Rs. 121.50 Lacs has been purchased during year 2017-18, (Refer Sl. No. 6 of 17-18) and impact of GST during year 2018-19 ((Refer Sl. No. 3 of 18-19)</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>232.00</td> <td>0.00</td> </tr> <tr> <td>2.</td> <td>2017-18</td> <td>0.00</td> <td>120.50</td> </tr> <tr> <td>3.</td> <td>2018-19</td> <td>0.00</td> <td>1.00</td> </tr> <tr> <td colspan="2">Total</td> <td>232.00</td> <td>121.50</td> </tr> </tbody> </table> <p>Utilization amount was decreased due to change in equipment. The assumed deletion of this item is shown in form 9B(i) 14-15 Sl. No.4.</p>	S No.	Year	Allowed	Utilized	1.	2014-15	232.00	0.00	2.	2017-18	0.00	120.50	3.	2018-19	0.00	1.00	Total		232.00	121.50	232.00				
S No.	Year	Allowed	Utilized																													
1.	2014-15	232.00	0.00																													
2.	2017-18	0.00	120.50																													
3.	2018-19	0.00	1.00																													
Total		232.00	121.50																													
9	(411002) Replacement of 1 MVA DG Set at Switch Yard and addition of 500 kVA DG set for DAM	166.26	0.00	166.26	0.00	14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.9, page no. 39). Projected amount was based on budgetary offer / executed work. However, actual amount is based on price discovered through tendering & hence justified. old equipment is in working condition but with less efficiency and also in service alongwith new equipment</p>	160.00																								



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3+4	6	7	8	9
10	(410801) Replacement of Distribution Transformers	0.00	0.00	0.00	0.00	14(3)(viii)	CERC vide order dtd. 04.09.2015 in petition no. 237/GT/2014 (refer item no.10, page no. 39) has allowed amount Rs 15.00 lakh for replacement of Distribution Projected amount was based on budgetary offer / executed work. However, actual amount is based on price discovered through tendering & hence justified. supply order for purchase of transformer has been place in the June 2016 and same has been purchased and capitalised during 2016-17 . (Refer Sl. No. 11 of 16-17). This assets was purchased on replacement basis. Assumed Deletion of this item is shown in form 9B(i) 14-15 Sl. No.6, Out of 3 Nos. of Transformers one no. of transformer for 250KVA has been decapitalised in year 2013-14	15.00
11	(410801) Replacement of 5 MVA Substation Transformer	27.24	0.00	27.24	0.00	14(3)(viii)	CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.7, page no. 38). Projected amount was based on budgetary offer / executed work. However, actual amount is based on price discovered through tendering & hence justified.The assumed deletion of this item is shown in form 9B(i) 14-15 Sl. No.3.	28.00
		383.65	1.81	381.84	0.00			697.00



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																												
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																															
1	2	3	4	5=3-4	6	7	8	9																												
B Details of items Capitalised during the year which were allowable by CERC in later Years																																				
12	(411804) Addition of OFC Network and Wireless Connectivity of LAN at CPS-I	2.73	0.00	2.73	0.00	14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Addition of OFC Network and Wireless Connectivity of LAN in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>0.00</td> <td>2.73</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>10.00</td> <td>0.83</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>0.00</td> <td>10.54</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>10.00</td> <td>9.53</td> </tr> <tr> <td></td> <td>Total</td> <td>20.00</td> <td>23.63</td> </tr> </tbody> </table> <p>(In year 2014-15 following items purchased) Wireless Access Point, Wireless Lan Controller</p>	S No.	Year	Allowed	Utilized	1.	2014-15	0.00	2.73	2.	2015-16	10.00	0.83	3.	2016-17	0.00	10.54	4.	2017-18	10.00	9.53		Total	20.00	23.63					
S No.	Year	Allowed	Utilized																																	
1.	2014-15	0.00	2.73																																	
2.	2015-16	10.00	0.83																																	
3.	2016-17	0.00	10.54																																	
4.	2017-18	10.00	9.53																																	
	Total	20.00	23.63																																	
13	(412503) Equipment for compliance of OHSAS and environment policy requirement	2.70	0.00	2.70	0.00	14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Equipment for compliance of OHSAS and environment policy requirement in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>0.00</td> <td>2.70</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>12.00</td> <td>19.49</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>5.00</td> <td>1.99</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>5.00</td> <td>3.53</td> </tr> <tr> <td>5.</td> <td>2018-19</td> <td>5.00</td> <td>10.96</td> </tr> <tr> <td></td> <td>Total</td> <td>27.00</td> <td>38.67</td> </tr> </tbody> </table> <p>(In year 2014-15 following items purchased) Ionic Air Purifier, Water Cooler 120 Ltr, Water Purifier RO Machine Aquaguard 50ltr Capacity</p>	S No.	Year	Allowed	Utilized	1.	2014-15	0.00	2.70	2.	2015-16	12.00	19.49	3.	2016-17	5.00	1.99	4.	2017-18	5.00	3.53	5.	2018-19	5.00	10.96		Total	27.00	38.67	
S No.	Year	Allowed	Utilized																																	
1.	2014-15	0.00	2.70																																	
2.	2015-16	12.00	19.49																																	
3.	2016-17	5.00	1.99																																	
4.	2017-18	5.00	3.53																																	
5.	2018-19	5.00	10.96																																	
	Total	27.00	38.67																																	
		5.43	0.00	5.43	0.00																															



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
C Items additionally claimed as per actual site requirement								
14	(410101) Payment to Land oustees against Order or Decree of a Court of Law;	0.90	0.00	0.90	0.00	14(3)(i)	Payment made against order of D.C. Chamba in respect of enhancement of Land Compensation for acquired land as per order NO. RRO/CBA/Cash File/CHEP-i/2014-7009 DATED 27TH October, 2014, according to the provisions of R&R Scheme by the Govt. of HP for providing rehabilitation benefits to the affected/displaced families of Chamera Power Station-I.	
15	(412502) Dry Well Temperature Calibrator System	6.97	0.00	6.97	0.00	14(3)(viii)	Dry Well Temperature Calibrator System was used in power house for calibration of Temperature sensors in Thrust bearing, Guide bearings, TGB, TGB oils, UGB oils of Generating unit and in Tranformers. Earlier the calibration was carried out with hot oil & thermometer which was not very efficient method of calibration. Latest technology with digital display gives better accuracy and result.	
		7.87	0.00	7.87	0.00			
	Total Addition	396.95	1.81	395.14	0.00			

1. In case the project has been completed and cost has already been admitted under any tariff notification(s) in the past, fill column 10 giving the cost as admitted for the purpose of tariff notification already issued by (Name of the authority) (Enclose copy of the tariff Order).
2. The above information needs to be furnished separately for each year / period of tariff period 2014-19.
3. In case of de-capitalisation of assets separate details to be furnished at column 1, 2, 3 and 4. Further, the original book value and year of capitalisation of such asset to be furnished at column 8. Where de-caps are on estimated basis the same to be shown separately.
4. Where any asset is rendered unserviceable the same shall be treated as de-capitalised during that year and original value of such asset to be shown at col. 3. And impaired value if any, year of its capitalisation to be mentioned at column 8.
5. Justification against each asset of capitalization should be specific to regulations under which claim has been made and the necessity of capitalization of that particular asset.

Note:

1. Fill the form in chronological order year wise along with detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries.
2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately, e.g. Rotor - 50 Crs. Initial spares- 5 Crs.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited

**(M G Gokhale)
General Manager (Comm.)**

Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner : NHPC LTD.

Name of the Generating Station :Chamera-I Power Station

COD : 01.05.1994

For Financial Year : 2015-16

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
A Items allowed by CERC								
1-3	(410705) Purchase, Erection, Testing and commissioning of 420 kV GIS Busbar extension Bay (410705) Purchase Erection, Testing and Commissioning of Three nos. of 42 MVAR Single Phase Bus Reactor (410705) Civil Works for the installation of Bus Reactor	0.00	0.00	0.00	0.00	Regulation 14(3)(viii)	CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015. Supply, erection, testing & commissioning of 400 kV GIS extension bay, Bus Reactor and Civil Works for the installation of Bus Reactor were proposed by CPS-I in FY 2015-16. Work was awarded in April, 2015 with a timeline of 12 months for supply and additional 6 months for installation. Due to delay in supply, commissioning of 420 kV GIS Busbar extension Bay, Bus Reactor and Civil Works for the installation of Bus Reactor and Civil Works for the installation of Bus Reactor completed 2018-19. 10KVA Lightening arrester is purchased to safe the building from lightening S No. Year Allowed Utilized 1. 2015-16 3874.00 0.00 2. 2016-17 0.00 14.00 (LA) 3. 2018-19 0.00 2520.20 Total 3874.00 2534.20	3,874.00
4	(410328) Security Fencing for Switchyard	84.17	0.00	84.17	0.00	Regulation 14(3)(viii)	CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.4 page no. 43). Projected amount was based on budgetary offer / executed work. However, actual amount is based on price discovered through tendering & hence justified.	113.00



65

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																												
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																															
1	2	3	4	5=3-4	6	7	8	9																												
5	(412503) Security and Surveillance System	7.50	0.00	7.50	0.00	Regulation 14(3)(iii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveillance System in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>10.00</td> <td>29.00</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>15.00</td> <td>7.50</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>15.00</td> <td>14.76</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>15.00</td> <td>48.55</td> </tr> <tr> <td>5.</td> <td>2018-19</td> <td>15.00</td> <td>9.86</td> </tr> <tr> <td colspan="2">Total</td> <td>70.00</td> <td>109.67</td> </tr> </tbody> </table> <p>(In year 2015-16 following items purchased) IP camera & NVR,digital hdd,samsung 18.5 led monitor, Finger print based attendance recording system, Double Mounting Siren</p>	S No.	Year	Allowed	Utilized	1.	2014-15	10.00	29.00	2.	2015-16	15.00	7.50	3.	2016-17	15.00	14.76	4.	2017-18	15.00	48.55	5.	2018-19	15.00	9.86	Total		70.00	109.67	15.00
S No.	Year	Allowed	Utilized																																	
1.	2014-15	10.00	29.00																																	
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Total		70.00	109.67																																	



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																												
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																															
1	2	3	4	5=3-4	6	7	8	9																												
6	(411804) Addition of OFC Network and Wireless Connectivity of LAN at CPS-I	0.83	0.00	0.83	0.00	Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Addition of OFC Network and Wireless Connectivity of LAN in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>0.00</td> <td>2.73</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>10.00</td> <td>0.83</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>0.00</td> <td>10.54</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>10.00</td> <td>9.53</td> </tr> <tr> <td colspan="2">Total</td> <td>20.00</td> <td>23.63</td> </tr> </tbody> </table> <p>(In year 2015-16 following items purchased) 16 TB Network Attached Storage (NAS)</p>	S No.	Year	Allowed	Utilized	1.	2014-15	0.00	2.73	2.	2015-16	10.00	0.83	3.	2016-17	0.00	10.54	4.	2017-18	10.00	9.53	Total		20.00	23.63	10.00				
S No.	Year	Allowed	Utilized																																	
1.	2014-15	0.00	2.73																																	
2.	2015-16	10.00	0.83																																	
3.	2016-17	0.00	10.54																																	
4.	2017-18	10.00	9.53																																	
Total		20.00	23.63																																	
7	(412503) Equipment for compliance of OHSAS and environment policy requirement	19.49	0.00	19.49	0.00	Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Equipment for compliance of OHSAS and environment policy requirement in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>0.00</td> <td>2.70</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>12.00</td> <td>19.49</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>5.00</td> <td>1.99</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>5.00</td> <td>3.53</td> </tr> <tr> <td>5.</td> <td>2018-19</td> <td>5.00</td> <td>10.96</td> </tr> <tr> <td colspan="2">Total</td> <td>27.00</td> <td>38.67</td> </tr> </tbody> </table> <p>(In year 2015-16 following items purchased)</p> <p>Fire Extinguisher, Centrifugal Water Pump Set, Air Cooled Diesel Engine, TDS Meter, Digital Ph Meter, Water Purifier, Pressure Water Booster Pump, Chlorine, Free Ultra High Range Portable Photometer, Mineral Ro Water Purifier, Storage Water Cooler Cum Purifier With Uv Technology</p> <p>1. The room for chemicals for pump house filtration plant for drinking water 2. Equipment Required for safe Drinking water to Colony and Non-residential Building</p>	S No.	Year	Allowed	Utilized	1.	2014-15	0.00	2.70	2.	2015-16	12.00	19.49	3.	2016-17	5.00	1.99	4.	2017-18	5.00	3.53	5.	2018-19	5.00	10.96	Total		27.00	38.67	12.00
S No.	Year	Allowed	Utilized																																	
1.	2014-15	0.00	2.70																																	
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3.	2016-17	5.00	1.99																																	
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Total		27.00	38.67																																	



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																								
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																											
1	2	3	4	5=3-4	6	7	8	9																								
8	(412503) Replacement of Elvator at PH and Dam	0.00	0.00	0.00	0.00	Regulation 14(3)(viii)	The case was initiated in July 2015 and was approved by the competent authority on August 2015. Accordingly the Tender was floated on first week of November 2015. The tender was extended thrice and finally was opened on first week of March 2016. The confirmation of experince was sought from the qualifying firm which also took some considerable time and after that approval of drawing design and other similar fomalities takes more time. Finally the price bid was opened on First week of July 2016 and the order was placed in Jan, 2017 and supply & installation was completed in year 2018-19 for Rs.107.68 lakhs (refer sl no. 4) and decapitalized in year 2018-19 (refer sl no.1)	81.00																								
9	(412005) Purchase of Hospital Equipment	4.23	0.00	4.23	0.00	Regulation 14(3)(viii)	CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveilance System in phase manner as stated below:- <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>2.00</td> <td>1.39</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>0.45</td> <td>4.23</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>0.00</td> <td>6.74</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>0.00</td> <td>6.21</td> </tr> <tr> <td></td> <td>Total</td> <td>2.45</td> <td>18.57</td> </tr> </tbody> </table> 2015-16 1. Hb1ac Analyser 2. Multi Parameter Patient Monitor, 3. Shadowless Mobile Operation Theatre Light	S No.	Year	Allowed	Utilized	1.	2014-15	2.00	1.39	2.	2015-16	0.45	4.23	3.	2016-17	0.00	6.74	4.	2017-18	0.00	6.21		Total	2.45	18.57	0.45
S No.	Year	Allowed	Utilized																													
1.	2014-15	2.00	1.39																													
2.	2015-16	0.45	4.23																													
3.	2016-17	0.00	6.74																													
4.	2017-18	0.00	6.21																													
	Total	2.45	18.57																													



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																								
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																											
1	2	3	4	5=3-4	6	7	8	9																								
10	(412005) Replacement of Hospital Equipment	2.90	0.00	2.90	0.00	Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveillance System in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>1.00</td> <td>0.99</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>1.55</td> <td>2.90</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>12.00</td> <td>15.46</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>16.00</td> <td>1.10</td> </tr> <tr> <td colspan="2">Total</td> <td>30.55</td> <td>20.45</td> </tr> </tbody> </table> <p>In year 2015-16 Automatic Urine Analyser purchased and assume deletion claim in year 2015-16 (refer sl. no.1 of form 9B1), equipment actually decapitalized in year 2016-17 refer (sl. no.8 of 9B1) as exclusion,</p>	S No.	Year	Allowed	Utilized	1.	2014-15	1.00	0.99	2.	2015-16	1.55	2.90	3.	2016-17	12.00	15.46	4.	2017-18	16.00	1.10	Total		30.55	20.45	1.55
S No.	Year	Allowed	Utilized																													
1.	2014-15	1.00	0.99																													
2.	2015-16	1.55	2.90																													
3.	2016-17	12.00	15.46																													
4.	2017-18	16.00	1.10																													
Total		30.55	20.45																													
11	(410321) Construction of executive field hostel/ transit camp	0.00	0.00	0.00	0.00	Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 at with completion period of two years, the work is completed in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2015-16</td> <td>300.00</td> <td>0.00</td> </tr> <tr> <td>2.</td> <td>2017-18</td> <td>0.00</td> <td>314.22 (Building)</td> </tr> <tr> <td>3.</td> <td>2018-19</td> <td>0.00</td> <td>6.80 (STP)</td> </tr> <tr> <td colspan="2">Total</td> <td>300.00</td> <td>321.02</td> </tr> </tbody> </table>	S No.	Year	Allowed	Utilized	1.	2015-16	300.00	0.00	2.	2017-18	0.00	314.22 (Building)	3.	2018-19	0.00	6.80 (STP)	Total		300.00	321.02	300.00				
S No.	Year	Allowed	Utilized																													
1.	2015-16	300.00	0.00																													
2.	2017-18	0.00	314.22 (Building)																													
3.	2018-19	0.00	6.80 (STP)																													
Total		300.00	321.02																													
Total		119.12	0.00	119.12	0.00			4407.00																								



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
B	<u>Details of items Capitalised during the year which were allowed/allowable by CERC in earlier Years/later years</u>							
12	(410711) Supply and Installation of PLC based Data acquisition system	19.70	0.00	19.70	0.00	Regulation 14(3)(viii)	CERC allowed Supply and Installation of PLC based Data acquisition system of vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.3, page no. 35). Actual Execution has been done in 2015-16 . The installation and Commissioning of PLC based online real time monitoring and recording system was proposed by CPS-I in FY 2014-15 and supply order was placed on 20.09.2014. As per the Letter of Award, the work was to be completed on or before 07/04/2015 (In FY 2015-16). Due to problem in establishing the communication between the two panels (One at Power House and another at Switchyard) the commissioning was completed on 06.01.2016 i.e. in FY 2015-16. As the commissioning of the system was completed in FY 2015-16 therefore capitalised for Rs. 19.70 lakhs in FY 2015-16	
13	(412502) Replacement of Portable DGA Instrument	37.96	0.00	37.96	0.00	Regulation 14(3)(viii)	CERC allowed capitalisation for the year 2014-15 vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.3, page no. 35). Projected amount was based on budgetary offer / executed work. However, actual amount is based on price discovered through tendering & hence justified. Actual Execution has been done in 2015-16 to the tune of Rs. 3795624/-, the delay has been caused due to the normal tendering procedure. The purchase of portable DGA was proposed by CPS-I in FY 2014-15 and supply order was placed on 26.12.2014. The delivery period given to the supplier was 120 days hence the DGA has been capitalised in FY 2015-16. Therefore being claimed in FY 2015-16. The assumed deletion of this item is shown in form 9(B)(i) 15-16 Sl. No.2.	
	Total	57.66	0.00	57.66	0.00			



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
C	Items additionally claimed as per actual site requirement							
14	(410101) Payment to Land oustees against Order or Decree of a Court of Law;	351.25	0.00	351.25		14(3)(i)	Payment made towards enhanced compensation to land oustees against order/decre of Court of Law.	
15	(410701) Upgradation of Ventilation System including Installation Charges	19.08		19.08		Regulation 14(3)(viii)	Ventilation System was installed during commissioning of power station and part of main generating equipment. it had degraded due to aging and the various parts of the system had become obsolete. so upgradation of the system was required for maintaining ambient temepreture in the power house to achieve efficient operation of cooling water system and generator	
16	(410701) HP Compressor with accessories	4.35		4.35		Regulation 14(3)(viii)	The old compressors were installed at the time of commissioning of power station. However, these compressors due to continuous operation of their capacity, efficiency & reliability has reduced. To maintain the required capacity & reliability new HP compressor was installed.	
		374.68	0.00	374.68	0.00	0.00		
		551.47	0.00	551.47	0.00			

1. In case the project has been completed and cost has already been admitted under any tariff notification(s) in the past, fill column 10 giving the cost as admitted for the purpose of tariff notification already issued by (Name of the authority) (Enclose copy of the tariff Order).
2. The above information needs to be furnished separately for each year / period of tariff period 2014-19.
3. In case of de-capitalisation of assets separate details to be furnished at column 1, 2, 3 and 4. Further, the original book value and year of capitalisation of such asset to be furnished at column 8. Where de-caps are on estimated basis the same to be shown separately.
4. Where any asset is rendered unserviceable the same shall be treated as de-capitalised during that year and original value of such asset to be shown at col. 3. And impaired value if any, year of its capitalisation to be mentioned at column 8.
5. Justification against each asset of capitalization should be specific to regulations under which claim has been made and the necessity of capitalization of that particular asset.

Note:

1. Fill the form in chronological order year wise along with detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries.
2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited

**(M G Gokhale)
General Manager (Comm.)**

Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner : NHPC LTD.

Name of the Generating Station :Chamera-I Power Station

COD : 01.05.19

94

For Financial Year :

2016-17

Rs. In Lacs

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																												
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																															
1	2	3	4	5=3-4	6	7	8	9																												
A Items allowed by CERC																																				
1	(412503) Security and Surveillance System	14.76	0.00	14.76		14(3)(iii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveillance System in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>10.00</td> <td>29.00</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>15.00</td> <td>7.50</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>15.00</td> <td>14.76</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>15.00</td> <td>48.55</td> </tr> <tr> <td>5.</td> <td>2018-19</td> <td>15.00</td> <td>9.86</td> </tr> <tr> <td colspan="2">Total</td> <td>70.00</td> <td>109.67</td> </tr> </tbody> </table> <p>(In year 2016-17 following items purchased) Fixed Network Camera and Video Recording System</p>	S No.	Year	Allowed	Utilized	1.	2014-15	10.00	29.00	2.	2015-16	15.00	7.50	3.	2016-17	15.00	14.76	4.	2017-18	15.00	48.55	5.	2018-19	15.00	9.86	Total		70.00	109.67	15.00
S No.	Year	Allowed	Utilized																																	
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5.	2018-19	15.00	9.86																																	
Total		70.00	109.67																																	
2	(412503) Equipment for compliance of OHSAS and environment policy requirement	1.99	0	1.99		Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Equipment for compliance of OHSAS and environment policy requirement in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>0.00</td> <td>2.70</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>12.00</td> <td>19.49</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>5.00</td> <td>1.99</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>5.00</td> <td>3.53</td> </tr> <tr> <td>5.</td> <td>2018-19</td> <td>5.00</td> <td>10.96</td> </tr> <tr> <td colspan="2">Total</td> <td>27.00</td> <td>38.67</td> </tr> </tbody> </table> <p>(In year 2016-17 following items purchased) Storage Water Cooler Cum Purifier</p>	S No.	Year	Allowed	Utilized	1.	2014-15	0.00	2.70	2.	2015-16	12.00	19.49	3.	2016-17	5.00	1.99	4.	2017-18	5.00	3.53	5.	2018-19	5.00	10.96	Total		27.00	38.67	5.00
S No.	Year	Allowed	Utilized																																	
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Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																								
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																											
1	2	3	4	5=3-4	6	7	8	9																								
3	(412005) Replacement of Hospital Equipment	15.46	1.51	13.95		Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveillance System in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>1.00</td> <td>0.99</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>1.55</td> <td>2.90</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>12.00</td> <td>15.46</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>16.00</td> <td>1.10</td> </tr> <tr> <td></td> <td>Total</td> <td>30.55</td> <td>20.45</td> </tr> </tbody> </table> <p>(In year 2016-17 following items purchased on replacement basis (Fully Automated Biochemistry Analyser, Automated Hematology Analyzer, and assume deletion claim in year 2016-17 (refer sl. no.1 and 2 of form</p>	S No.	Year	Allowed	Utilized	1.	2014-15	1.00	0.99	2.	2015-16	1.55	2.90	3.	2016-17	12.00	15.46	4.	2017-18	16.00	1.10		Total	30.55	20.45	12.00
S No.	Year	Allowed	Utilized																													
1.	2014-15	1.00	0.99																													
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4.	2017-18	16.00	1.10																													
	Total	30.55	20.45																													
4	(411104) Replacement of Flat Body Truck	0.00		0.00		Regulation 14(3)(viii)	As per present site requirement, items is not being purchased	21.00																								
5	(411104) Replacement of Dux Dumber with Heavy Duty Tipper	0.00		0.00		Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.5 page no. 48). Projected amount was based on budgetary offer. Case file has been delayed due to termination of tender on ground of non-fulfilling of eligibility criteria and NIT was extended two times due to poor response. The supply order placed on 30.03.2018 & capitalised in 2018-19. So actual amount is based on price discovered through tendering & hence justified. Actual expenditure amounting to Rs. 14.11 lakh incurred during 2018-19 (refer item no.B (6) during 2018-19)</p> <p>The said equipment purchased on replacement basis. The assumed deletion of this item is shown in form 9B(i) 18-19 Sl. No.1</p>	23.00																								
6	(411102) Replacement of Wheel Loader with Backhoe Excavator - Loader Machine	0.00	0.00	0.00		Regulation 14(3)(viii)	<p>The expenditure has already been allowed by CERC during 2016-17 (Refer item no.6, page no. 49 of order dtd. 04.09.2015 in petition no. 237/GT/2014). The same is now shifted to 2018-19. Actual expenditure amounting to Rs. 25.07 lakh incurred during 2018-19 (refer item no.B (7))</p> <p>The said equipment purchased on replacement basis. The assumed deletion of this item is shown in form 9B(i) 18-19 Sl. No.2</p>	40.00																								
7	(411505) Replacement of Fire Tender	0.00	0.00	0.00		Regulation 14(3)(viii)	Due to delay in tendering process, the equipment is proposed for purchase during 2021-22 of tariff period 2019-24.	36.00																								
	Total	32.21	1.51	30.70				152.00																								



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																								
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																											
1	2	3	4	5=3-4	6	7	8	9																								
B Details of items Capitalised during the year which were allowed by CERC in earlier Years																																
8	(412503) Purchase of High Mast Lighting	11.75	0.00	11.75	0.00	Regulation 14(3)(viii)	CERC has allowed amount Rs 11.00 lakh for purchase of High Mast Light during 2014-15 vide order dtd. 04.09.2015 in petition no. 237/GT/2014 (refer sl. no.1, page no. 34). NIT was issued on 26.09.2014 for purchase of High Mast Light, due to some technical reason the tender was cancelled on 31.01.2015 and fresh case was initiated. Second time the case was initiated on 13.02.2015 with NIT date on 19.02.2015 and finally the case was awarded on 08.09.2015. The item was installed and capitalized during 2016-17. Projected amount was based on budgetary offer / executed work. However, actual amount is based on price discovered through tendering & hence justified. Actual Execution of has been done in 2016-17 to the tune of Rs. 1175232/-																									
9	(411804) Addition of OFC Network and Wireless Connectivity of LAN at CPS-1	10.54	0.00	10.54	0.00	Regulation 14(3)(viii)	CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Addition of OFC Network and Wireless Connectivity of LAN in phase manner as stated below:- <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>0.00</td> <td>2.73</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>10.00</td> <td>0.83</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>0.00</td> <td>10.54</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>10.00</td> <td>9.53</td> </tr> <tr> <td></td> <td>Total</td> <td>20.00</td> <td>23.63</td> </tr> </tbody> </table> (In year 2016-17 following items purchased) Antenna, 1000 Base Lx/Lh Sfp Transceiver, 8 Port POE Switch, 16 Port POE Switch, Cisco Access Point, 24 Port Rack Mountable Ipdslam	S No.	Year	Allowed	Utilized	1.	2014-15	0.00	2.73	2.	2015-16	10.00	0.83	3.	2016-17	0.00	10.54	4.	2017-18	10.00	9.53		Total	20.00	23.63	
S No.	Year	Allowed	Utilized																													
1.	2014-15	0.00	2.73																													
2.	2015-16	10.00	0.83																													
3.	2016-17	0.00	10.54																													
4.	2017-18	10.00	9.53																													
	Total	20.00	23.63																													
10	(412005) Purchase of Hospital Equipment	6.74	0.00	6.74	0.00	Regulation 14(3)(viii)	CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveillance System in phase manner as stated below:- <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>2.00</td> <td>1.39</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>0.45</td> <td>4.23</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>0.00</td> <td>6.74</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>0.00</td> <td>6.21</td> </tr> <tr> <td></td> <td>Total</td> <td>2.45</td> <td>18.57</td> </tr> </tbody> </table> (Scoop Stgretcher, Elisa Washer, Elisa Reader-Rapid, Otoscope)	S No.	Year	Allowed	Utilized	1.	2014-15	2.00	1.39	2.	2015-16	0.45	4.23	3.	2016-17	0.00	6.74	4.	2017-18	0.00	6.21		Total	2.45	18.57	
S No.	Year	Allowed	Utilized																													
1.	2014-15	2.00	1.39																													
2.	2015-16	0.45	4.23																													
3.	2016-17	0.00	6.74																													
4.	2017-18	0.00	6.21																													
	Total	2.45	18.57																													



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																				
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																							
1	2	3	4	5=3-4	6	7	8	9																				
11	(410801) Replacement of Distribution Transformers	31.65	2.32	29.33		Regulation 14(3)(viii)	<p>CERC vide order dtd. 04.09.2015 in petition no. 237/GT/2014 (refer item no.10, page no. 39) has allowed amount Rs 15.00 lakh for replacement of Distribution Projected amount was based on budgetary offer / executed work. However, actual amount is based on price discovered through tendering & hence justified. supply order for purchase of transformer has been place in the June 2016 and same has been purchased & capitalised for Rs.during 2016-17 . (Refer Sl. No. 11 of 16-17).</p> <p>This assets was purchased on replacement basis. Assumed Deletion of this item is shown in form 9B(i) 16-17 Sl. No.3 and 4, out of 3 Nos. of Transformers one no. of transformer for 250KVA has been decapitalised in year 2013-14</p>																					
12	(410705) Purchase, Erection, Testing and commissioning of 420 kV GIS Busbar extension Bay	14.00	0.00	14.00		Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015. Supply, erection, testing & commissioning of 400 kV GIS extension bay, Bus Reactor and Civil Works for the installation of Bus Reactor were proposed by CPS-I in FY 2015-16. Work was awarded in April, 2015 with a timeline of 12 months for supply and additional 6 months for installation. Due to delay in supply, commissioning of 420 kV GIS Busbar extension Bay, Bus Reactor and Civil Works for the installation of Bus Reactor and Civil Works for the installation of Bus Reactor completed 2018-19.</p> <p>10KVA Lightening arrester is purchased to safe the building from lightening</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2015-16</td> <td>3874.00</td> <td>0.00</td> </tr> <tr> <td>2.</td> <td>2016-17</td> <td>0.00</td> <td>14.00 (LA)</td> </tr> <tr> <td>3.</td> <td>2018-19</td> <td>0.00</td> <td>2520.20</td> </tr> <tr> <td></td> <td>Total</td> <td>3874.00</td> <td>2534.20</td> </tr> </tbody> </table>	S No.	Year	Allowed	Utilized	1.	2015-16	3874.00	0.00	2.	2016-17	0.00	14.00 (LA)	3.	2018-19	0.00	2520.20		Total	3874.00	2534.20	
S No.	Year	Allowed	Utilized																									
1.	2015-16	3874.00	0.00																									
2.	2016-17	0.00	14.00 (LA)																									
3.	2018-19	0.00	2520.20																									
	Total	3874.00	2534.20																									
Total		74.68	2.32	72.36																								



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
C Items additionally claimed as per actual site requirement								
13	(412503) 40T CRANE LOAD INDICATOR WITH WIRELESS DISPLAY UNIT FOR EOT CRANE 190/30/10 T	4.07	0.00	4.07	0.00	Regulation 14(3)(viii)	EOT crane 190/30/10T was installed in 1994. Crane load indicator was purchased to measure weight of under weater parts of generating units before maintenance & post maintenance so that the efficient maintenance can be ensured. Additional features load display added in existing EOT crane	
14	(410101) Land -Payment to Land oustees against enhancement of Compensation alongwith Interest	32.49	0.00	32.49		Regulation 14(3)(i)	Payment made towards enhanced compensation to land oustees against order/decrece of Court of Law.	
15	(412503) Transformer Oil Filtration Plant	34.26	0.00	34.26		Regulation 14(3)(viii)	Transformer oil filtration plant is requied for filtration of oil in tranformers. Old plant was purchased in FY 2000-01 and had become faulty, it was not repairablr/obsolete, hence Old unit has been replaced with new Unit. The transformer oil filtration plant was purchased on replacement basis. Decapitalizaion of the old equipment claim in year 2016-17 (please refer sl. no. 1 of 9B1)	
16	(412502) XY Co-ordinator (Auto Pendulum Read Out Unit)	48.12	15.92	32.20		Regulation 14(3)(viii)	Earlier, to monitor information about dam stability through Pendulum readout system, readings were taken manually. Dam Safety Review Panel headed by Ex-Chairman CWC pointed out to review the functioning of system installed at Dam. Accordingly, in order to improve the data accuracy of readings by obviating manual interface, the automatic pendulum readout systems (XY Cordinator) were installed at Normal & Inverted Plumblne of Dam Gallery. item Purchased in pahse manner in 2016-17 (Rs. 48.12 lakhs) & 2018-19 (Rs. 46.14 lakhs)	
17	(412503) 10KVA Online UPS	8.56	0.00	8.56		Regulation 14(3)(viii)	Earlier emergency backup power for Control & protection panels, was provided by individual back up system. 10KVA Online UPS was purchsed and installed for centralized emergency backup power for all the Control & protection panels, and newly installed Reactor Panel, RTU panels, ULDC & PMU panels etc. in switchyard area.	
18	(412503) 2 HP Submersible Pump Set	0.26	0.00	0.26		Regulation 14(3)(viii)	Pump set purchased on replacement basis, old assets were not working and decapitalized in books and claim in year 2016-17 (refer sl. No. 9 of 9B1)	



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
19	(410806) GPS based time synchronazation equipment	3.95	0.00	3.95		Regulation 14(3)(viii)	GPS based time synchronazation equipment was installed during commissioning of power station and had become faulty, it was not repairablr/obsolete, hence Old equipment has been replaced with new equipment. GPS based time synchronazation equipment on replacement basis from mother plant. Decapitalisation value is claim as deletion Form-9(B)(i) (refer item no 6) in year 2016-17	
20	(410701) 5 HP self priming non-clog pump-motor set	0.82	0.00	0.82		Regulation 14(3)(viii)	5 HP self priming non-clog pump-motor set is used for dewatering of turbine pit. it was installed during commissioning of power station and had become faulty, it was not repairablr/obsolete, hence old equipment has been replaced with new equipment. Decapitalisation value is shown in assume deletion Form-9(B)(i) (refer item no 9.) in year 2014-15 Assume deletion claim in year 2016-17 (refer sl. no.5 of form 9B1), equipment actually decapitalized in year 2014-15 refer (sl. no.10 of 9B1) as excusion	
21	(410701) Temerature recorder & monitoring system	10.12	2.94	7.18		Regulation 14(3)(viii)	The temperature recorder & monitoring system used for monitoring and recording oil and air temperature data of TGB, UGB, thrust bearing, air coolers , transformers etc. The old temperature recorder & monitoring system which was installed at the time of commissioning. The system were become faulty and giving erroreous data. Therefore these were replaced with new updated system. Decapitalisation value is shown in assume deletion Form-9(B)(i) (refer item no 6) in year 2016-17 from Mother Plant	
22	(410707) 48V DC Battery Bank	5.17	0.00	5.17		Regulation 14(3)(viii)	48V DC Battery Bank is part of DC System/ Battery Systems is used for Dc supply for control, monitoring and protection system in plant. Due to installation of ULDC & PMU panels by POWERGRID in 400 kV Switchyard, load on existing DC system has increased. As such additoinal battery bank alongwith charger installed to meet the additional load & maintain redundancy.	



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
23	(410704) Submersible Pump 50 HP	14.82	0.00	14.82		Regulation 14(3)(viii)	The Submersible Pump 50 HP is part of Drainage and dewatering system. This is replacement of old 50 HP pump used for dewatering system of power house. The old pump has been decapitalised in 2016-17 (refer sl. no. 2 of Form-9B1).	
Total		162.64	18.86	143.78				
Grand Total		269.53	22.69	246.84				


1. In case the project has been completed and cost has already been admitted under any tariff notification(s) in the past, fill column 10 giving the cost as admitted for the purpose of tariff notification already issued by (Name of the authority) (Enclose copy of the tariff Order).
2. The above information needs to be furnished separately for each year / period of tariff period 2014-19.
3. In case of de-capitalisation of assets separate details to be furnished at column 1, 2, 3 and 4. Further, the original book value and year of capitalisation of such asset to be furnished at column 8. Where de-caps are on estimated basis the same to be shown separately.
4. Where any asset is rendered unserviceable the same shall be treated as de-capitalised during that year and original value of such asset to be shown at col. 3. And impaired value if any, year of its capitalisation to be mentioned at column 8.
5. Justification against each asset of capitalization should be specific to regulations under which claim has been made and the necessity of capitalization of that particular asset.

Note:

1. Fill the form in chronological order year wise along with detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries.
2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited

 (M G Gokhale)
 General Manager (Comm.)

Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner : NHPC LTD.

Name of the Generating Station :Chamera-I Power Station

COD : 01.05.1994

For Financial Year : 2017-18

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																												
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																															
1	2	3	4	5=3-4	6	7	8	9																												
A Items allowed by CERC																																				
1	(412503)Security and Surveillance System	48.55	0.00	48.55	0.00	Regulation 14(3)(iii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveillance System in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>10.00</td> <td>29.00</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>15.00</td> <td>7.50</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>15.00</td> <td>14.76</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>15.00</td> <td>48.55</td> </tr> <tr> <td>5.</td> <td>2018-19</td> <td>15.00</td> <td>9.86</td> </tr> <tr> <td colspan="2">Total</td> <td>70.00</td> <td>109.67</td> </tr> </tbody> </table> <p>(In year 2017-18 following items purchased)</p> <p>1. Microprocessor based addressable fire alarm system, Spike road block with microprocessor based control, CISF Barrack and check post and boundary wall around CISF Dam line, Security Huts near surge shaft and pressure shaft</p>	S No.	Year	Allowed	Utilized	1.	2014-15	10.00	29.00	2.	2015-16	15.00	7.50	3.	2016-17	15.00	14.76	4.	2017-18	15.00	48.55	5.	2018-19	15.00	9.86	Total		70.00	109.67	15.00
S No.	Year	Allowed	Utilized																																	
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4.	2017-18	15.00	48.55																																	
5.	2018-19	15.00	9.86																																	
Total		70.00	109.67																																	
2	(411804) Addition of OFC Network and Wireless Connectivity of LAN at CPS-I	9.53	1.91	7.62	0.00	Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Addition of OFC Network and Wireless Connectivity of LAN in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>0.00</td> <td>2.73</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>10.00</td> <td>0.83</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>0.00</td> <td>10.54</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>10.00</td> <td>9.53</td> </tr> <tr> <td colspan="2">Total</td> <td>20.00</td> <td>23.63</td> </tr> </tbody> </table> <p>(In year 2017-18 following items purchased)</p> <p>28 Port POE Switch, Access Point, 48 Port Switch</p>	S No.	Year	Allowed	Utilized	1.	2014-15	0.00	2.73	2.	2015-16	10.00	0.83	3.	2016-17	0.00	10.54	4.	2017-18	10.00	9.53	Total		20.00	23.63	10.00				
S No.	Year	Allowed	Utilized																																	
1.	2014-15	0.00	2.73																																	
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Total		20.00	23.63																																	



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																												
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																															
1	2	3	4	5=3-4	6	7	8	9																												
3	(412503) Equipment for compliance of OHSAS and environment policy requirement	3.53	0.29	3.24	0.00	Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Equipment for compliance of OHSAS and environment policy requirement in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>0.00</td> <td>2.70</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>12.00</td> <td>19.49</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>5.00</td> <td>1.99</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>5.00</td> <td>3.53</td> </tr> <tr> <td>5.</td> <td>2018-19</td> <td>5.00</td> <td>10.96</td> </tr> <tr> <td colspan="2">Total</td> <td>27.00</td> <td>38.67</td> </tr> </tbody> </table> <p>(In year 2017-18 following items purchased) Fire Extinguisher 4.5 Kg, Fire Extinguser 9 Kg, Water Purifier Cap. 8 Ltr.</p>	S No.	Year	Allowed	Utilized	1.	2014-15	0.00	2.70	2.	2015-16	12.00	19.49	3.	2016-17	5.00	1.99	4.	2017-18	5.00	3.53	5.	2018-19	5.00	10.96	Total		27.00	38.67	5.00
S No.	Year	Allowed	Utilized																																	
1.	2014-15	0.00	2.70																																	
2.	2015-16	12.00	19.49																																	
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4.	2017-18	5.00	3.53																																	
5.	2018-19	5.00	10.96																																	
Total		27.00	38.67																																	
4	(412005) Replacement of Hospital Equipment	1.10	0.00	1.10	0.00	Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveillance System in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>1.00</td> <td>0.99</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>1.55</td> <td>2.90</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>12.00</td> <td>15.46</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>16.00</td> <td>1.10</td> </tr> <tr> <td colspan="2">Total</td> <td>30.55</td> <td>20.45</td> </tr> </tbody> </table> <p>ECG Machine 12-Channel purchased and assume deletion claim in year 2017-18 (refer sl. no.1 of form 9B1), equipment actually decapitalized in year 2016-17 refer (sl. no.11 of 9B1) as excusion.</p>	S No.	Year	Allowed	Utilized	1.	2014-15	1.00	0.99	2.	2015-16	1.55	2.90	3.	2016-17	12.00	15.46	4.	2017-18	16.00	1.10	Total		30.55	20.45	16.00				
S No.	Year	Allowed	Utilized																																	
1.	2014-15	1.00	0.99																																	
2.	2015-16	1.55	2.90																																	
3.	2016-17	12.00	15.46																																	
4.	2017-18	16.00	1.10																																	
Total		30.55	20.45																																	
5	Replacement of 10MT Fork Lifter	0.00	0.00	0.00	0.00	Regulation 14(3)(viii)	CERC has already allowed the expenditure during 2017-18 (Refer item no.4 page no. 50 of order dtd. 04.09.2015 in petition no. 237/GT/2014). As per present site requirement, the item is not being purchased.	36.00																												
Total		62.71	2.20	60.51	0.00			82.00																												



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9

B Details of items Capitalised during the year which were allowed by CERC in earlier Years																																
6	(411105) Replacement of Wheel Dozer	120.50	26.80	93.70	0.00	14(3)(viii)	<p>CERC has allowed purchase of Wheel Dozer but keeping in view the current requirement, the proposal for Purchase of Wheel Dozer has been reviewed and in place of dozer 1 no. Wheel Loader amounting to Rs. 121.50 Lacs has been purchased during year 2017-18, (Refer Sl. No. 8 of 14-15) and impact of GST during year 2018-19 ((Refer Sl. No. 3 of 18-19)</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>232.00</td> <td>0.00</td> </tr> <tr> <td>2.</td> <td>2017-18</td> <td>0.00</td> <td>120.50</td> </tr> <tr> <td>3.</td> <td>2018-19</td> <td>0.00</td> <td>1.00</td> </tr> <tr> <td colspan="2">Total</td> <td>232.00</td> <td>121.50</td> </tr> </tbody> </table> <p>Utilization amount was decreased due to change in equipment. The assumed deletion of this item claimed in form 9B(i) 17-18 Sl. No.8</p>	S No.	Year	Allowed	Utilized	1.	2014-15	232.00	0.00	2.	2017-18	0.00	120.50	3.	2018-19	0.00	1.00	Total		232.00	121.50					
S No.	Year	Allowed	Utilized																													
1.	2014-15	232.00	0.00																													
2.	2017-18	0.00	120.50																													
3.	2018-19	0.00	1.00																													
Total		232.00	121.50																													
7	(410321) Construction of executive field hostel/ transit camp	314.22	22.40	291.82	0.00	Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 at S No.11 9A in year 2015-16. with a completion period of two years, the work is completed in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2015-16</td> <td>300.00</td> <td>0.00</td> </tr> <tr> <td>2.</td> <td>2017-18</td> <td>0.00</td> <td>314.22 (Building)</td> </tr> <tr> <td>3.</td> <td>2018-19</td> <td>0.00</td> <td>6.80 (STP)</td> </tr> <tr> <td colspan="2">Total</td> <td>300.00</td> <td>321.02</td> </tr> </tbody> </table>	S No.	Year	Allowed	Utilized	1.	2015-16	300.00	0.00	2.	2017-18	0.00	314.22 (Building)	3.	2018-19	0.00	6.80 (STP)	Total		300.00	321.02					
S No.	Year	Allowed	Utilized																													
1.	2015-16	300.00	0.00																													
2.	2017-18	0.00	314.22 (Building)																													
3.	2018-19	0.00	6.80 (STP)																													
Total		300.00	321.02																													
8	(412005) Purchase of Hospital Equipment	6.21	0.00	6.21	0.00	Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveillance System in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>2.00</td> <td>1.39</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>0.45</td> <td>4.23</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>0.00</td> <td>6.74</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>0.00</td> <td>6.21</td> </tr> <tr> <td colspan="2">Total</td> <td>2.45</td> <td>18.57</td> </tr> </tbody> </table> <p>Oxygenator OG 4203, BPL, Lcs-103d Shortwave Diathermy, ECG Machine 12-Channel, Bpl Foetal Mounitor-Diva Fm 9853, Automated ESR Analyser Along With Std. Accessories - Vesmatic 20</p>	S No.	Year	Allowed	Utilized	1.	2014-15	2.00	1.39	2.	2015-16	0.45	4.23	3.	2016-17	0.00	6.74	4.	2017-18	0.00	6.21	Total		2.45	18.57	
S No.	Year	Allowed	Utilized																													
1.	2014-15	2.00	1.39																													
2.	2015-16	0.45	4.23																													
3.	2016-17	0.00	6.74																													
4.	2017-18	0.00	6.21																													
Total		2.45	18.57																													
Total		440.93	49.20	391.73	0.00																											



2

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
C Items additionally claimed as per actual site requirement								
9	(410101) Payment to Land oustees against Order or Decree of a Court of Law;	66.49	0.00	66.49	0.00	14(3)(i)	Payment made towards enhanced compensation to land oustees against order/decree of Court of Law.	
10	(410711) Sequential Event Recorder	52.91		52.91		Regulation 14(3)(viii)	Old Sequential Event Recorder was installed during commissioning of power station and had become faulty, it was not repairabl/obsolete, hence Old Sequential Event Recorder has been replaced with new Sequential Event Recorder. Assume deletion claim in year 2017-18 (refer sl. no.3of form 9B1), equipment actually decapitalized in year 2018-19 refer (sl. no.13 of 9B1) as excusion	
11	(411402) Solar PV Grid	64.45		64.45		Regulation 14(3)(viii)	Installed with the object to reduce the energy consumptionAs per Govt. Of India, Ministry of Power initiative vide letter no.16/78/2014-Admin-III, 12.04.2016,to achieve India's target of 40,000 MW Solar roof top under National Solar Mission.	
12	(412020)10 KVA UPS with Batteries	1.86		1.86		Regulation 14(3)(viii)	Earlier emergency backup power for Control & protection panels, was provided by individual back up system. 10KVA Online UPS was purchsed and installed for centralized emergency backup power for all the Control & protection panels of radial gates , under sluice gate, intake etc. of Dam of CPS-1.	
13	(412502) Karl Fischer Coulometer	5.92	1.11	4.81		Regulation 14(3)(viii)	The equipment is used for measurement and monitor of water content in transformers oil. The old equipment had become faulty, it was not repairable and obsolete, hence old equipment has been replaced with new equipment. equipment actually decapitalized and claimed in year 2017-18 refer (sl. no.10 of 9B1)	
14	(410711) Digital Panel Monitoring System	3.17	0.53	2.64		Regulation 14(3)(viii)	The equipment was purchased on replacment basis from mother plant in phase manner. This equipment used as display unit of control room for showing various parameters viz. MW, frequency, voltage etc. of Generating Units. Assume deletion claim in year 2017-18 (refer sl. no.4 of form 9B1), equipment actually decapitalized in year 2018-19 refer (sl. no.14 of 9B1) as excusion	
Total		194.80	1.64	193.16				
Grand Total		698.44	53.04	645.40				

1. In case the project has been completed and cost has already been admitted under any tariff notification(s) in the past, fill column 10 giving the cost as admitted for the purpose of tariff notification already issued by (Name of the authority) (Enclose copy of the tariff Order).



82

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9

2. The above information needs to be furnished separately for each year / period of tariff period 2014-19.

3. In case of de-capitalisation of assets separate details to be furnished at column 1, 2, 3 and 4. Further, the original book value and year of capitalisation of such asset to be furnished at column 8. Where de-caps are on estimated basis the same to be shown separately.

4. Where any asset is rendered unserviceable the same shall be treated as de-capitalised during that year and original value of such asset to be shown at col. 3. And impaired value if any, year of its capitalisation to be mentioned at column 8.

5. Justification against each asset of capitalization should be specific to regulations under which claim has been made and the necessity of capitalization of that particular asset.

Note:

1. Fill the form in chronological order year wise along with detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries.

2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited

(M G Gokhale)
General Manager (Comm.)

Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner : NHPC LTD.

Name of the Generating Station :Chamera-I Power Station

COD : 01.05.1994

For Financial Year : 2018-19

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																												
		Accural basis	Un-discharged Liability included in col.3	Cash basis 5=3-4	IDC included in col.3																															
1	2	3	4	5=3-4	6	7	8	9																												
1	(412503)Security and Surveillance System	9.86	0.00	9.86	0.00	Regulation 14(3)(iii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Security and Surveillance System in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>10.00</td> <td>29.00</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>15.00</td> <td>7.50</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>15.00</td> <td>14.76</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>15.00</td> <td>48.55</td> </tr> <tr> <td>5.</td> <td>2018-19</td> <td>15.00</td> <td>9.86</td> </tr> <tr> <td colspan="2">Total</td> <td>70.00</td> <td>109.67</td> </tr> </tbody> </table> <p>(In year 2018-19 following items purchased) Camera, Chain Link fencing on Road</p>	S No.	Year	Allowed	Utilized	1.	2014-15	10.00	29.00	2.	2015-16	15.00	7.50	3.	2016-17	15.00	14.76	4.	2017-18	15.00	48.55	5.	2018-19	15.00	9.86	Total		70.00	109.67	15.00
S No.	Year	Allowed	Utilized																																	
1.	2014-15	10.00	29.00																																	
2.	2015-16	15.00	7.50																																	
3.	2016-17	15.00	14.76																																	
4.	2017-18	15.00	48.55																																	
5.	2018-19	15.00	9.86																																	
Total		70.00	109.67																																	
2	(412503) Equipment for compliance of OHSAS and environment policy requirement	10.96	0.00	10.96	0.00	Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 in respect of Equipment for compliance of OHSAS and environment policy requirement in phase manner as stated below:-</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>0.00</td> <td>2.70</td> </tr> <tr> <td>2.</td> <td>2015-16</td> <td>12.00</td> <td>19.49</td> </tr> <tr> <td>3.</td> <td>2016-17</td> <td>5.00</td> <td>1.99</td> </tr> <tr> <td>4.</td> <td>2017-18</td> <td>5.00</td> <td>3.53</td> </tr> <tr> <td>5.</td> <td>2018-19</td> <td>5.00</td> <td>10.96</td> </tr> <tr> <td colspan="2">Total</td> <td>27.00</td> <td>38.67</td> </tr> </tbody> </table> <p>(In year 2018-19 following items purchased) PTZ Camera, Fire Extinguisher, Water Cooler, Storage Water Cooler Cum Purifier, Automatic Water FP, GSM base siren 3.25 KM Range</p>	S No.	Year	Allowed	Utilized	1.	2014-15	0.00	2.70	2.	2015-16	12.00	19.49	3.	2016-17	5.00	1.99	4.	2017-18	5.00	3.53	5.	2018-19	5.00	10.96	Total		27.00	38.67	5.00
S No.	Year	Allowed	Utilized																																	
1.	2014-15	0.00	2.70																																	
2.	2015-16	12.00	19.49																																	
3.	2016-17	5.00	1.99																																	
4.	2017-18	5.00	3.53																																	
5.	2018-19	5.00	10.96																																	
Total		27.00	38.67																																	



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
	Total	20.82	0.00	20.82	0.00	0.00	0.00	20.00

B Details of items Capitalised during the year which were allowed by CERC in earlier Years																												
3	(411105) Replacement of Wheel Dozer	1.00	0.00	1.00	0.00	14(3)(viii)	<p>CERC has allowed purchase of Wheel Dozer (Refer Sl. No. 6 of 14-15) but keeping in view the current requirement, the proposal for Purchase of Wheel Dozer has been reviewed and in place of dozer 1 no. Wheel Loader amounting to Rs. 121.50 Lacs has been purchased during year 2017-18 (Refer Sl. No. 6 of 17-18) and impact of GST during year 2018-19</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2014-15</td> <td>232.00</td> <td>0.00</td> </tr> <tr> <td>2.</td> <td>2017-18</td> <td>0.00</td> <td>120.50</td> </tr> <tr> <td>3.</td> <td>2018-19</td> <td>0.00</td> <td>1.00</td> </tr> <tr> <td></td> <td>Total</td> <td>232.00</td> <td>121.50</td> </tr> </tbody> </table> <p>Utilization amount was decreased due to change in equipment. The assumed deletion of this item claimed in form 9B(i) 17-18 Sl. No.8</p>	S No.	Year	Allowed	Utilized	1.	2014-15	232.00	0.00	2.	2017-18	0.00	120.50	3.	2018-19	0.00	1.00		Total	232.00	121.50	
S No.	Year	Allowed	Utilized																									
1.	2014-15	232.00	0.00																									
2.	2017-18	0.00	120.50																									
3.	2018-19	0.00	1.00																									
	Total	232.00	121.50																									
4	(412503) Replacement of Elvator at PH and Dam	107.68	13.52	94.16		Regulation 14(3)(viii)	<p>The case was initiated in July 2015 and was approved by the competent authority on August 2015. Accordingly the Tender was floated on first week of November 2015. The tender was extended thrice and finally was opened on first week of March 2016. The confirmation of experince was soughjt from the qualifying firm which also took some considerable time and after that approval of drawing, design and other similar formalities takes more time. Finally the price bid was opened on First week of July 2016. The order was placed in Jan, 2017 and Supply and Installation was completed in year 2018-19 for Rs.107.68 Lakhs. However, actual amount is based on price discovered through tendering & hence justified. Decapitalzation of old elevators claim in year 2018-19 (Refer S. No 8 of form 9 B1 during 2015-16)</p>																					



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any																				
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3																							
1	2	3	4	5=3-4	6	7	8	9																				
5	(410705) Purchase, Erection, Testing and commissioning of 420 kV GIS Busbar extension Bay (410705) Purchase Erection, Testing and Commissioning of Three nos. of 42 MVAR Single Phase Bus Reactor (410705) Civil Works for the installation of Bus Reactor	2520.20	121.89	2398.31		Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015. Supply, erection, testing & commissioning of 400 kV GIS extension bay, Bus Reactor and Civil Works for the installation of Bus Reactor were proposed by CPS-I in FY 2015-16. Work was awarded in April, 2015 with a timeline of 12 months for supply and additional 6 months for installation. Due to delay in supply, commissioning of 420 kV GIS Busbar extension Bay, Bus Reactor and Civil I Works for the installation of Bus Reactor completed 2018-19. Inter-connection with Bus 2 will be carried out in 2019-20 10KVA Lightening arrester was already purchased during 2016-17.</p> <table border="1"> <thead> <tr> <th>S No.</th> <th>Year</th> <th>Allowed</th> <th>Utilized</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2015-16</td> <td>3874.00</td> <td>0.00</td> </tr> <tr> <td>2.</td> <td>2016-17</td> <td>0.00</td> <td>14.00 (LA)</td> </tr> <tr> <td>3.</td> <td>2018-19</td> <td>0.00</td> <td>2520.20</td> </tr> <tr> <td colspan="2">Total</td> <td>3874.00</td> <td>2534.20</td> </tr> </tbody> </table>	S No.	Year	Allowed	Utilized	1.	2015-16	3874.00	0.00	2.	2016-17	0.00	14.00 (LA)	3.	2018-19	0.00	2520.20	Total		3874.00	2534.20	
S No.	Year	Allowed	Utilized																									
1.	2015-16	3874.00	0.00																									
2.	2016-17	0.00	14.00 (LA)																									
3.	2018-19	0.00	2520.20																									
Total		3874.00	2534.20																									
6	(411104) Replacement of Dux Dumber with Heavy Duty Tipper	14.11	0.00	14.11		Regulation 14(3)(viii)	<p>CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 (refer sl. no.5 page no. 48). Projected amount was based on budgetary offer. Case file has been delayed due to termination of tender on ground of non-fulfilling of eligibility criteria and NIT was extended two times due to poor response. The supply order placed on 30.03.2018 & capitalised in 2018-19. Projected amount was based on estimation basis. So actual amount is based on price discovered through tendering & hence justified. The said equipment purchased on replacement basis. The assumed deletion of this item is shown in form 9B(i) 18-19 Sl. No.1</p>																					



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
7	(411102) Replacement of Wheel Loader with Backhoe Excavator - Loader Machine	25.07	2.24	22.83		Regulation 14(3)(viii)	The expenditure has already been allowed by CERC during 2016-17 (Refer item no.6, page no. 49 of order dtd. 04.09.2015 in petition no. 237/GT/2014). Projected amount was based on estimation basis. So actual amount is based on price discovered through tendering & hence justified. The said equipment purchased on replacement basis. The assumed deletion of this item is shown in form 9B(i) 18-19 Sl. No.2	
8	(410321) Construction of executive field hostel/ transit camp	6.80	2.34	4.46		Regulation 14(3)(viii)	CERC allowed capitalisation vide order no. 237/GT/2014 dtd. 04.09.2015 at S No.11 9A in year 2015-16 with a completion period of two years, the work is completed in phase manner as stated below:- S No. Year Allowed Utilized 1. 2015-16 300.00 0.00 2. 2017-18 0.00 314.22 (Building) 3. 2018-19 0.00 6.80 (STP) Total 300.00 321.02	
	Total	2674.86	139.99	2534.87				
C Items additionally claimed as per actual site requirement								
9	(410101) Land -Payment to Land oustees against Compensation	4.81		4.81		14(3)(i)	Payment made towards enhanced compensation to land oustees against order/decreed of Court of Law.	
10	(410714) Digital Excitation System	526.77	431.26	95.51		Regulation 14(3)(viii)	The existing excitation system was installed in year 1994 at the time of commissioning. The system had been phased out and its spares was not available from OEM. Keeping in view of criticality of the system and non-availability of the spares from the OEM, faults in the excitation system shall lead to prolonged generation loss. Hence, old system was replaced with new digital excitation system Decapitalisation value is shown in assume deletion Form-9(B)(i) (refer item no 3) in year 2018-19 from Mother Plant	



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
11	(412502) XY Co-ordinator (Automatic Pendulum Read Out Unit)	46.14	0.00	46.14		Regulation 14(3)(viii)	Earlier, to monitor information about dam stability through Pendulum readout system, readings were taken manually. Dam Safety Review Panel headed by Ex-Chairman CWC pointed out to review the functioning of system installed at Dam. Accordingly, in order to improve the data accuracy of readings by obviating manual interface, the automatic pendulum readout systems (XY Cordinator) were installed at Normal & Inverted Plumblines of Dam Gallery. item Purchased in pahse manner in 2016-17 (Rs. 48.12 lakhs) & 2018-19 (Rs. 46.14 lakhs)	
12	(411112) 27 HP and 50 HP Submersible Pump	30.08	0.00	30.08		Regulation 14(3)(viii)	Thses pumps purchased on replacement basis, old assets were not working and decapitalized in books, De-capitalization value claim as assume deletion for 27HP Sumersible Pump at S. No. 4 in year 2018-19, assets actually de-capitalized in year 2016-17 (refer sl. No. 9 of 9B1) and claim for 50HP in year 2018-19 (refer sl. No. 10 of 9B1)	
13	(412503) DGPS for Hydrographic Survey with Software	8.97		8.97		Regulation 14(3)(viii)	System is used for Hydrographic Survey based on eco sounder. Software updation was required for better efficiency and accuracy	
14	(412503) Digital Water Level Monitoring System	12.97	1.45	11.52		Regulation 14(3)(viii)	Digital Water Level Sensor with Monitoring Software was installed for level monitoring at Dam and TRL outlet . Continuous on line monitoring of dam water level and TRT level is essential for efficient operation of power plant. Monitoring of Earlier the level was monitored manually through scale marking on dam and TRT outlet.	
15	(410712) LP Compressor	7.08	0.00	7.08		Regulation 14(3)(viii)	The LP compressed air system is for the air requirement for generator brakes, fire protection system of transformers, various instrumentations and station service requirement on various floors of powerhouse. The compressors were installed at the time of commissioning with mother plant. The one compressor had become faulty, it was not repairable and obsolete, hence old Compressor has been replaced with new Compressor. Decpaitalisation value of old LP Compressor is indicated in Form-9(B)(i) (refer item no 6) in year 2018-19	



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9
16	(410711) 400KV Numerical Line Distance Protection Relay	7.26	0.00	7.26		Regulation 14(3)(viii)	3 nos. 400 kV transmission lines emanating from Chamera-I power station, and in each line one no ABB make MiCOM relays were installed for protection of lines. These has become obsolete and not repairable hence old Relays has been replaced with new version of numerical relays Decpaitalisation value is shown in assume deletion Form-9(B)(i) (refer item no 5) in year 2018-19	
17	(412503) Water Distillation Plant	2.12	0.00	2.12		Regulation 14(3)(viii)	There was no water disitaliation plant available for battery water. Keeping in view battery bank of 220V, 48V & 24V used for protection system and DG Sets, it has essential to purchase disital water plant for powe house and switchyard.	
18	(411201) Submersible Pump 10 HP and 30 HP	1.76	0.00	1.76		Regulation 14(3)(viii)	Pumps purchased on replacement basis, old assets were not working and decapitalized in books in year 2014-15 and claim in year 2014-15 (refer sl. No.12 and 13 of 9B1) of 10 HP and 30 HP Assume deletion claimed at S. No. 5 and 6 in year 2018-19 in form , assets actually de-capitalized in year 2014-15 (refer sl. No. 13 and 14 of 9B1) as exclusion	
	Total	647.97	432.71	215.26				
	Grand Total	3343.64	572.70	2770.94				



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3	4	5=3-4	6	7	8	9

1. In case the project has been completed and cost has already been admitted under any tariff notification(s) in the past, fill column 10 giving the cost as admitted for the purpose of tariff notification already issued by (Name of the authority) (Enclose copy of the tariff Order).
2. The above information needs to be furnished separately for each year / period of tariff period 2014-19.
3. In case of de-capitalisation of assets separate details to be furnished at column 1, 2, 3 and 4. Further, the original book value and year of capitalisation of such asset to be furnished at column 8. Where de-caps are on estimated basis the same to be shown separately.
4. Where any asset is rendered unserviceable the same shall be treated as de-capitalised during that year and original value of such asset to be shown at col. 3. And impaired value if any, year of its capitalisation to be mentioned at column 8.
5. Justification against each asset of capitalization should be specific to regulations under which claim has been made and the necessity of capitalization of that particular asset.

Note:

1. Fill the form in chronological order year wise along with detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries.
2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner : NHPC LTD.

Name of the Generating Station :Chamera-I Power Station

COD : 1-May-94

Sl. No.	Head of Work / Equipment	Work/Equipment added during last five years of useful life of each Unit/Station	Amount capitalised /Proposed to be capitalised (Rs Lakh)	Justification for capitalisation proposed	Impact on life extension
1	2	3	4	5	6
1					
2		Not Applicable			
3					
4					

Note:

1. Cost Benefit analysis for capital additions done should be submitted along with petition for approval of such schemes
2. Justification for additional capital expenditure claim for each asset should be relevant to regulation under which claim and the necessity of capitalization of the asset

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

Details of Assets De-capitalized during the period

Name of the Petitioner :NHPC LTD.

Name of the Generating Station : Chamera Power Station-
Region:Northern

State: Himachal Pradesh

District:Chamba

Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
	2014-15						
	(A) Assume Deletion						
1	ECG machine with accessories 1469 - BPL	Assumed Deletion Claimed	72000	11-Dec-00	47657	16-17	De-capitalisation value against item no 6 From-9A (2014-15).
2	Crane 910-109, capacity 40/36 ton, S.No. 45096 coles husky	Assumed Deletion Claimed	232724.00	15-12-86	232724.00	2013-14	Refer Sl. No.7 of Form 9A / FY 2014-15
3	Power Transformer 33/11 KVA	Assumed Deletion Claimed	125000	04-10-00	71355.00	2014-15	Refer Sl. No.11 of Form 9A / FY 2014-15
Total Assumed Deletion Claimed in FY 2014-15			429724.00		351736.00		
(B1) Actual Deletion Claimed							
1	(412503) AK-47 RIFLE	Claimed	405560	21-01-13	44640.00	2014-15	MISC. ASSETS/EQUIPMENTS
2	(410806) Automatic weather system	Claimed	239200	29-08-05	72589.00	2014-15	Rs. 72000 was claimed as assumed deletion value of old weather station during 2012-13. Hence net value of Rs. 167200 (239200-72000) is claimed.
3	(412503) LIGHT MACHINE GUN (LMG) 5.56MM (INSAS)	Claimed	278970	21-02-13	29624.00	2014-15	MISC. ASSETS/EQUIPMENTS
Total Actual Deletion Claimed in FY 2014-15			923730		146853.00		



Sl. No.	Name of the Asset	Nature of de-capitization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
	(B1) Actual Deletion as Exclusion						
4	(410714) 10" Butterfly Valve, Type-F1, Body-CI, Disc-CFRM, Seat-EPDM, Shaft-318, PRES-10 KG/CM2, Actuator-Bare Shaft	Exclusion	18287	17-10-12	0.00	2014-15	CAPITAL SPARES-GENERATING PLANT AND MACHINERY
5	(412011) Acquaguard water filter	Exclusion	8435	25-03-09	1984.00	2014-15	AIR COOLERS/WATER COOLERS/FANS
6	(412007) Acquaguard water filter classic	Exclusion	7190	14-08-08	1921.00	2014-15	TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
7	(412801) Digital frequency metre	Exclusion	7248	31-03-00	7246.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
8	(412020) Digital Multimeter	Exclusion	28600	04-03-06	28595.00	2014-15	OTHER OFFICE EQUIPMENTS
9	(411118) Fork Lifter, S.No. - 8073, Model by 300 dial, MFH 3555, Capacity 3 ton, Tag No -1760-101	Exclusion	20761	06-06-85	0.00	2014-15	Assumed De-capitalisation value of Rs.4.46 lakh of old fork lifter was already claimed during 2013-14
10	(411112) Self priming pump korloskar make 1 No.. (Kiroloskar make self priming pump model SP3LM(+)(18*18mm)	Exclusion	18404	27-04-99	18403.00	2014-15	Refer Sl. No.20 of Form 9A / FY 2016-17, Assume Deletion at Sl. No. 5 in year 2016-17
11	(412801) Single Phase Energy Meter 240V 10.40 Amp	Exclusion	18375	16-01-07	18354.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
12	(412801) Single Phase Rectifier 230 Volt	Exclusion	5454	02-08-88	5448.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
13	(411112) Sinkobloc pumps 1 No (Darling brand sinkobloc pump model - S-2055/20HP, S.No.- DD-016677)	Exclusion	52426	25-06-01	47183.00	2014-15	Refer Sl. No.18 of Form 9A / FY 2018-19, Items claim as assume deletion at Sl. No. 5 in year 2018-19 in form 9B1
14	(411112) Sinkobloc pumps 1 No (Darling brand sinkobloc pump model - S-2055/20HP, S.No.-DD-016676	Exclusion	52426	25-06-01	47184.00	2014-15	Refer Sl. No.18 of Form 9A / FY 2018-19, Items claim as assume deletion at Sl. No. 6 in year 2018-19 in form 9B1
15	(412801) Speed 100 MB Port	Exclusion	6300	30-03-05	6297.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
16	(412801) Tamper Proof SMC Energy Meter Boxed Single Phase/Door	Exclusion	6725	11-01-07	6720.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
17	(412008) Air Conditioner 1.5 Ton with Stabilizer	Exclusion	21900	05-01-10	1708.00	2014-15	AIR CONDITIONERS
18	(412008) Air Conditioner Split type AC 1 ton, remote controlled	Exclusion	55000	04-03-04	54998.00	2014-15	AIR CONDITIONERS
19	(412801) Aluminum Kadhai size 7"	Exclusion	1294	21-12-05	1293.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
20	(412801) Ceiling Fan	Exclusion	14779	31-03-05	14768.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000



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Sl. No.	Name of the Asset	Nature of de-capitization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
21	(412801) ceiling Speaker 6 W	Exclusion	3300	05-01-04	3296.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
22	(412801) Centre Table	Exclusion	1045	05-01-04	1044.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
23	(412801) Centre table - 4 feet * 2 feet	Exclusion	4400	24-05-04	4399.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
24	(412801) Closed Bars Flour Pot (Small) -	Exclusion	1922	21-12-05	1920.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
25	(412801) Col Speaker 20 watt RMS	Exclusion	8132	29-07-04	8128.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
26	(412801) Container steel 10 Ltrs	Exclusion	1914	21-12-05	1912.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
27	(412801) Cooker 12/10 Ltr	Exclusion	1435	21-12-05	1434.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
28	(412801) Cooker 6.5 Ltr	Exclusion	2268	21-12-05	2266.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
29	(412011) Desert cooler	Exclusion	11156	11-05-04	11154.00	2014-15	AIR COOLERS/WATER COOLERS/FANS
30	(412801) Display Board	Exclusion	4444	21-12-05	4443.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
31	(412801) Electric Press	Exclusion	1181	31-03-06	1180.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
32	(412801) Emergency light (Dry cell)	Exclusion	2784	31-03-06	2781.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
33	(412801) Exhaust fan	Exclusion	49716	02-03-07	49687.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
34	(412801) Flour Container	Exclusion	1740	21-12-05	1738.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
35	(412801) FLY Catcher	Exclusion	3656	21-12-05	3655.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
36	(412020) FRANKING MACHINE WITH WEIGHING SCALE & CARRYING CASE	Exclusion	88961	16-10-07	0.00	2014-15	OTHER OFFICE EQUIPMENTS
37	(412801) Gas Canteen Bumer	Exclusion	2364	31-03-06	2362.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
38	(412801) Godrej Chair CH-1112	Exclusion	9015	08-09-04	9010.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
39	(412201) GSM FCT Voice	Exclusion	24633	29-03-08	24633.00	2014-15	INTANGIBLE ASSETS-COMPUTER SOFTWARE
40	(411801) H.P.L.J 1100 A	Exclusion	34094	31-05-00	34093.00	2014-15	COMPUTERS
41	(412801) Heat Convector -Majesty HC - RX - 10	Exclusion	5148	13-01-07	5145.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
42	(412801) Heat convector/Blower - 2000 V	Exclusion	5764	31-03-99	5760.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
43	(411130) Heavy duty Road breaker kirloskar make moil point with accessories -	Exclusion	86172	30-05-91	86160.00	2014-15	OTHER EQUIPMENT
44	(412801) Hot Tiffin(5 Container)	Exclusion	1463	15-05-07	1462.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
45	(411803) HP Desk jet Printer (HP-5160)	Exclusion	6380	26-07-04	6379.00	2014-15	PRINTERS
46	(411803) HP Inkjet Printer 1 pc (HP - 5748)	Exclusion	6950	24-11-04	6949.00	2014-15	PRINTERS
47	(412801) ICE Box 30 Lts	Exclusion	2025	31-03-06	2024.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
48	(412801) Idli Stand for 50 idli	Exclusion	1069	31-03-06	1068.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
49	(412801) Kadhai (Big)	Exclusion	1378	21-12-05	1377.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000



Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
50	(412801) Karahi Big	Exclusion	1294	31-03-06	1293.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
51	(412801) Key Board Trays	Exclusion	1687	21-12-05	1686.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
52	(412008) LG window type 2 ton AC	Exclusion	20708	15-05-04	20707.00	2014-15	AIR CONDITIONERS
53	(412801) LPG Gas Stove	Exclusion	6764	21-12-05	6761.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
54	(412801) Mattersis 4 "	Exclusion	79152	16-12-05	79128.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
55	(411112) Monoblock pump 1 set electric operated horizontal split crompton greaves make type MBQ-3 DV	Exclusion	8562	31-05-90	8561.00	2014-15	PUMPS
56	(411112) Monoblock pump 1 set electric operated horizontal split crompton greaves make type MBP - 3 DV	Exclusion	8331	31-05-90	8330.00	2014-15	PUMPS
57	(411702) One Office W side Table DElux	Exclusion	20000	10-07-09	1046.00	2014-15	FURNITURE-FIXTURES-RESIDENTIAL
58	(412801) Panasonic Cordless	Exclusion	3500	08-02-12	0.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
59	(412801) Patila Aluminum 20 Ltrs	Exclusion	1902	21-12-05	1900.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
60	(412801) Patila Aluminum 25 Ltrs	Exclusion	4944	21-12-05	4940.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
61	(412801) Patila Aluminum 40 Ltrs	Exclusion	2532	21-12-05	2530.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
62	(412801) Patila Steel 10 Ltr	Exclusion	4220	31-03-06	4215.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
63	(412801) Pedestal Fan (Farrata)	Exclusion	5112	08-09-03	5110.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
64	(412801) Pen Drive 2 GB	Exclusion	12716	12-07-07	12703.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
65	(412801) Pressure Cooker 22 Ltr	Exclusion	1602	29-12-05	1601.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
66	(412801) Pressure Cooker 22 Ltrs	Exclusion	3713	31-03-06	3712.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
67	(412011) Refrigerators 310 Ltrs	Exclusion	9790	11-04-02	9789.00	2014-15	AIR COOLERS/WATER COOLERS/FANS
68	(412503) Rocktest & Anchorlead cells Set (Rocktest & electrical read out unit - WR- Flex - with one battery	Exclusion	52359	31-03-88	45818.00	2014-15	MISC. ASSETS/EQUIPMENTS
69	(412801) Room Heater Double Rod	Exclusion	3940	30-10-07	3935.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
70	(412801) Steel Doonga Large size alongwith heating arrangement	Exclusion	7086	31-03-06	7080.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
71	(412006) T.T table set with net	Exclusion	28050	26-04-04	13107.00	2014-15	CLUB EQUIPMENTS
72	(412801) Type 'B' fan	Exclusion	3492	02-08-88	3489.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
73	(412801) Type 'B' fan --	Exclusion	1164	02-08-88	1163.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
74	(412801) Type 'C' fans contract kit for ML contract	Exclusion	2328	02-08-88	2326.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
75	(412801) UPS 625 KVA	Exclusion	3484	20-12-05	3483.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
76	(412801) UPS 625 VA	Exclusion	65835	08-12-04	65820.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
77	(412801) UPS 625 VA 1 pc	Exclusion	4389	08-12-04	4388.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000



Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
78	(412801) UPS 625 Watt	Exclusion	33561	28-03-03	33552.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
79	(412801) USB Flash Disc/ Pen Drive 512 MB	Exclusion	2400	22-10-05	2399.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
80	(412801) USB pen Drive 1 GB	Exclusion	17871	08-02-07	17860.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
81	(412801) Utensil Race 0.2M*.65m*.3M Steel	Exclusion	2814	21-12-05	2812.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
82	(412008) Volta's crystal air conditioner (Model - 1501)	Exclusion	12978	10-12-87	12977.00	2014-15	AIR CONDITIONERS
83	(412008) Volta's crystal air conditioner Model (1501)	Exclusion	38346	17-08-87	38343.00	2014-15	AIR CONDITIONERS
84	(412801) Water geyser	Exclusion	9978	31-03-00	9976.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
85	(412801) Water tank 1000 ltr	Exclusion	2872	31-03-00	2871.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
86	(412801) Water tank 1000 ltr	Exclusion	25848	31-03-00	25839.00	2014-15	FIXED ASSETS OF MINOR VALUE >750<5000
87	Inter Unit Transfer to C.O. 27 items	Exclusion	602770			2014-15	
88	Inter Unit Transfer to Sewa-II. 2 items	Exclusion	20802			2014-15	
89	Other Adjustments	Exclusion	52067500	2011-12		2014-15	Adjustment in excess provision capitalised for arbitration case of HCC during 2010-11. As CERC has kept this capitalisation of provision during 2010-11 under exclusion, this adjustment is also kept under exclusion.
Total Actual Deletion as Exclusion in FY 2014-15			53924509				
Deletion Claimed			923730.00				
Deletion Under Exclusion			53924509.00				
Total Deletion as per books (A)			54848239.00				
Assumed Deletion (B)			429724.00				
Total Deletion claimed (A+B)			1353454.00				



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Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
	2015-16						
	(A) Assume Deletion						
1	Automatic Urine Analyser	Assumed Deletion Claimed	74008	26-Mar-06	33973	2015-16	Refer Sl. No.10 of Form 9A / FY 2015-16, acutal decapitalization in year 2016-17 at Sl. NO.10 form 9B1
2	(Portable DGA Instrument) TFGA-P- 200 analyzer with accessories Set	Assumed Deletion Claimed	3852421.00	05-11-99	2864912.00	2015-16	Refer Sl. No.13 of Form 9A / FY 2015-16
	Total Assumed Deletion Claimed in FY 2015-16		3926429.00		2898885.00		
	(B1) Actual Deletion Claimed						
1	(410803) 4702030029Siemens 800 Amp air circuit breaker type 3 WE 48 with thermal sensing of (520-1000 Amps) - (10*8426)	Claimed	84260.00	21-12-87	8425.00	2015-16	SWITCH GEAR INCLUDING CABLE CONNECTIONS
2	(410803) 4702030017Siemens 1000 amp. Air circuit breaker type 3 WE 48 with thermal sitting of (700-1250 Amp) - (10*8839)	Claimed	88390.00	21-12-87	8838.00	2015-16	SWITCH GEAR INCLUDING CABLE CONNECTIONS
3	(411502) 9802020001Maruti Gypsy HP-047/0174	Claimed	281128.00	05-09-98	253015.00	2015-16	JEEPS-STATION WAGONS INCLUDING INSPECTION VEHICLES
4	(411502) 9802310002TATA Sumo 3404 Ch. No. 385003KR992-4135, Engine No. 483 DL4RQ 763710	Claimed	398694.00	18-02-99	358825.00	2015-16	JEEPS-STATION WAGONS INCLUDING INSPECTION VEHICLES
5	(411502) 9802020002Maruti Gypsy - HP-0-47/3408-	Claimed	288886.00	14-05-99	259997.00	2015-16	JEEPS-STATION WAGONS INCLUDING INSPECTION VEHICLES
6	(411508) 9821020003Truck - HP-047/3412	Claimed	455389.00	21-06-99	409850.00	2015-16	TRUCKS/TANKERS
7	(411502) 9802020003Maruti Gypsy -3413	Claimed	292749.00	09-12-99	263474.00	2015-16	JEEPS-STATION WAGONS INCLUDING INSPECTION VEHICLES



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Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
8	(411502) 9802020008Maruti Gypsy HP -47- 3600	Claimed	405770.00	15-03-00	365193.00	2015-16	JEEPS-STATION WAGONS INCLUDING INSPECTION VEHICLES
Total Actual Deletion Claimed in FY 2015-16			2295266.00		1927617.00		
(B1) Actual Deletion as Exclusion							
9	(411002) 5310010018Set of accessories Kiosk Make Syucronising panel at Gandhiar and swithyard (3*4942)	Exclusion	14826.00	26-04-86	4941.00	2015-16	Minor Item
10	(411130) 471070002Elgi high pressure carkashar Model W M 701 T (H) reciprocating -	Exclusion	11820.00	17-11-87	11819.00	2015-16	OTHER EQUIPMENT
11	(412501) 6108100021Dish antenna with accessories (Master Amplifier, Modulator, VCR- G10/G20 with amplifier, trunk ampl	Exclusion	72511.00	31-03-88	59519.00	2015-16	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
12	(412501) 6108100019Dish antenna with accessories (Dish antenna complete with low noise converter staellite receiver al	Exclusion	44653.00	21-04-90	38376.00	2015-16	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
13	(412501) 6108100020Dish antenna with accessories (Dish antenna complete with low noise converter staellite receiver al	Exclusion	44653.00	21-04-90	38376.00	2015-16	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
14	(411130) 5310010007Kirloskar make sqirrel cage electric motor 3 phase 415 v. 50 cycle 960 RPM of 20 HP along with acces	Exclusion	19164.00	17-06-92	19163.00	2015-16	OTHER EQUIPMENT
15	(411130) 5310010006Kirloskar make sqirrel cage electric motor 3 phase 415 v. 50 cycle 960 RPM of 20 HP along with acces	Exclusion	19164.00	17-06-92	19163.00	2015-16	OTHER EQUIPMENT
16	(410801) 580150000324 V of suitable 40 AH capacity battery,charger & DL distribution board complete with accessories	Exclusion	7970.00	19-03-87	7969.00	2015-16	SUBSTATION-TRANSFORMERS
17	(410801) 580150000224 V of suitable 40 AH capacity battery,charger & DL distribution board complete with accessories	Exclusion	12870.00	19-03-87	12869.00	2015-16	SUBSTATION-TRANSFORMERS
18	(411111) 3335800028Type 'C' fans single stage axial flow fan model DCMA - 160 - (4*11456)	Exclusion	45824.00	15-07-88	11455.00	2015-16	TUNNELING EQUIPMENT



Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
19	(412501) 6108010040Co lour TV Beltek Model 007 CH. No. 11031	Exclusion	6904.00	07-01-90	6903.00	2015-16	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
20	(412501) 9410100002Video Cassettee Player model Krison kes 700 with remote	Exclusion	10480.00	09-07-90	10479.00	2015-16	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
21	(412502) 9410011008Digi Part Multi red cut unit	Exclusion	28825.00	31-03-94	28824.00	2015-16	LABORATORY TESTING AND METER TESTING EQUIPMENTS
22	(412503) 6108230024Projector system in Auditorium	Exclusion	1071649.00	19-03-09	419067.00	2015-16	MISC. ASSETS/EQUIPMENTS
23	(412801) 4770550024Coil rewdening machine	Exclusion	3120.00	31-03-99	3119.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
24	(411130) 9890020001Spark plug cleaner & tester with all feature and devices necessary for efficient cleaning & testing	Exclusion	8575.00	24-12-99	8574.00	2015-16	OTHER EQUIPMENT
25	(411130) 5940300013Head light centering device,model 1540 with optical shifting device -	Exclusion	36668.00	24-12-99	36667.00	2015-16	OTHER EQUIPMENT
26	(412007) 9410010321Water purifier (Kensar)	Exclusion	6850.00	26-04-00	6849.00	2015-16	TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
27	(412801) 3335030004 Bajaj Wall fan	Exclusion	1675.00	07-07-01	1674.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
28	(412020) 9410290051 Aquagaurd Water filter (classic)	Exclusion	6340.00	16-05-02	6339.00	2015-16	OTHER OFFICE EQUIPMENTS
29	(411902) 6110170002Mobile Set	Exclusion	9100.00	13-09-03	4561.00	2015-16	TELEPHONE TELEX MACHINES
30	(411903) 6001060001PA 400 sm. Amplifier	Exclusion	19250.00	30-12-03	9683.00	2015-16	INTERIOR COMMUNICATION EQUIPMENTS
31	(412801) 6309370007Column Speaker 20watt RMS (8 nos.)	Exclusion	14960.00	05-01-04	14952.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
32	(411701) 1901250044Auditorium Chair Model -V With DeskJet (8*7246)	Exclusion	57968.00	09-03-04	7245.00	2015-16	FURNITURE-FIXTURES-OFFICE
33	(412801) 6351150001Anti glare screen (for computer) 1 no	Exclusion	2124.00	29-03-04	2123.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000



Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
34	(411903) 6309600017Wireless LAN access point 1 No DWL 900AP	Exclusion	9075.00	05-05-04	9074.00	2015-16	INTERIOR COMMUNICATION EQUIPMENTS
35	(412020) 9410290025Aqua guard water filter (9*6166	Exclusion	55494.00	06-05-04	6165.00	2015-16	OTHER OFFICE EQUIPMENTS
36	(412801) 9410010319Water purifier (3 nos.)	Exclusion	13392.00	24-05-04	13389.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
37	(411701) 9101300021White board ceramic coated steel magnetic (14ft*4FT)	Exclusion	28075.00	15-06-04	13611.00	2015-16	FURNITURE-FIXTURES-OFFICE
38	(411801) 6301040101Desktop PC With P-IV processor 3.00 Ghz or higher with hyper thread technology 1 GB 400 Mhz door SD (2 nos.)	Exclusion	116480.00	24-11-04	110656.00	2015-16	COMPUTERS
39	(411801) 6301040084Desktop PC with 17" TFT co lour monitor, Pentium -IV, Processor - 3.06 GHz with all accessories -	Exclusion	81118.00	24-11-04	77062.00	2015-16	COMPUTERS
40	(411801) 6301040086Desktop PC With P-IV processor 3.00 Ghz or higher with hyper thread technology 1 GB 400 Mhz door SD (14*58240)	Exclusion	815360.00	24-11-04	55328.00	2015-16	COMPUTERS
41	(411801) 6301040081Desktop PC with 17" TFT co lour monitor, Pentium -IV, Processor - 3.06 GHz with all accessories - (4*81120)	Exclusion	324480.00	24-11-04	77064.00	2015-16	COMPUTERS
42	(411803) 6305070022HP DeskJet printer 5160/5748 (3 nos.)	Exclusion	15819.00	04-01-05	15816.00	2015-16	PRINTERS
43	(412801) 9208010028Waste Bin 330 Ltrs (8 nos.)	Exclusion	27984.00	05-09-05	27976.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
44	(412801) 1901020575 Godrej Chair CH 1112 (4 nos.)	Exclusion	7948.00	16-12-05	7944.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
45	(412801) 5825100119 Ups 625 VA (3 nos.)	Exclusion	10452.00	20-12-05	10449.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
46	(412801) 9410010023 FLY Catcher (2 nos.)	Exclusion	7312.00	21-12-05	7310.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
47	(411803) 6305100054 Laser jet Printer A-4 Size (2 nos.)	Exclusion	55000.00	31-01-06	54998.00	2015-16	PRINTERS



100A

Sl. No.	Name of the Asset	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
48	(411903) 6309190015MroO-Tek E-I Modem	Exclusion	71500.00	14-02-06	28492.00	2015-16	INTERIOR COMMUNICATION EQUIPMENTS
49	(411131) 8201800017 Capital Spares Pumps Water	Exclusion	59773.00	30-09-06	59772.00	2015-16	Addition was made during 2006-07 and addition of these items were not calimed for tariff purpose.
50	(411131) 441010001 Capital Spares Caterpillar Loader 980 C	Exclusion	327632.00	30-09-06	327631.00	2015-16	
51	(411131) 407020001 Capital Spares Mobile Crane	Exclusion	270296.00	30-09-06	270295.00	2015-16	
52	(411131) 9890100004 Capital Spares Vehicles	Exclusion	24752.00	30-09-06	24751.00	2015-16	
53	(412501) 6108010015 Colour Television	Exclusion	6590.00	07-10-06	6589.00	2015-16	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
54	(412501) 6108010014 Colour Television	Exclusion	6590.00	07-10-06	6589.00	2015-16	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
55	(412801) 3330200111Heat Convector -Majesty HC-RX-10	Exclusion	1716.00	13-01-07	1715.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
56	(412801) 9410010261Room Heater Double Rod- (4*787)	Exclusion	3148.00	13-01-07	786.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
57	(411803) 6305100041Laser jet Printer A-4 Size	Exclusion	24596.00	03-02-07	24595.00	2015-16	PRINTERS
58	(412801) 9208010069Waste Bin 330 Ltrs (6 nos.)	Exclusion	31434.00	13-02-07	31428.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
59	(412801) 5825100112 UPS 625 VA (4 nos.)	Exclusion	15436.00	19-03-07	15432.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
60	(412801) 9410310005 Prefilter for R.O	Exclusion	2220.00	26-03-07	2219.00	2015-16	FIXED ASSETS OF MINOR VALUE >750<5000
61	(412501) 6108230005 Motorized Screen for projector (8*6 Feet)	Exclusion	55933.00	03-05-07	20446.00	2015-16	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
62	(412501) 6108030009 Wide XGA LCD TV with PC connectivity 32"	Exclusion	77590.00	26-06-07	26590.00	2015-16	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
63	(411903) 8101020020HIGH PRECISION FIBER CLEAVER	Exclusion	49920.00	28-06-08	15002.00	2015-16	INTERIOR COMMUNICATION EQUIPMENTS



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100B

Sl. No.	Name of the Asset	Nature of de-capitization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
64	(411804) 6309700032I BALL TABLET	Exclusion	9100.00	06-09-09	9099.00	2015-16	OTHER EDP EQUIPMENTS
65	(411801) 8930040039Laptop HP-Pavalion PV4-1503TU	Exclusion	40000.00	05-01-10	39999.00	2015-16	COMPUTERS
66	(411801) 6301040312LAPTOP SONY VAIO VPCEB3AGG SH V K VERMA 100286X	Exclusion	48405.00	28-06-11	43564.00	2015-16	COMPUTERS
67	(411801) 8930040040Laptop Computer (HP-Probook6440B)	Exclusion	61800.00	28-01-12	58710.00	2015-16	COMPUTERS
68	IUT from C.O. (11 Items)	Exclusion	285174.00			2015-16	
	Total Actual Deletion as Exclusion in FY 2015-16		4619537.00				
	Deletion Claimed (A)		2295266.00				
	Deletion Under Exclusion		4619537.00				
	Total Deletion as per books		6914803.00				
	Assumed Deletion (B)		3926429.00				
	Total Deletion claimed (A+B)		6221695.00				
	2016-17						
	(A) Assume Deletion						
1	Multiple blood Analyser	Assumed Deletion claimed	572000.00	12-02-05	299377.00	16-17	Refer Sl. No.3 of Form 9A / FY 2016-17
2	Automatic cell counter	Assumed Deletion claimed	390000.00	17-01-07	200655.00	16-17	Refer Sl. No.3 of Form 9A / FY 2016-17
3	1000KVa 11000/433 volts transformer	Assumed Deletion claimed	110517.00	07-06-86	91236.00	16-17	Refer Sl. No.11 of Form 9A / FY 2016-17
4	Transformer 250 KVA/11000/433 Volts Cycle Double bond	Assumed Deletion claimed	80842.00	31-03-88	74957.00	16-17	Refer Sl. No.11 of Form 9A / FY 2016-17, one no. of transformer for 250KVA has been decapitalised in year 2013-14
5	(411112) Self priming pump kortoskar make 1 No.. (Kiroskar make self priming pump model SP3LM(*) (18*18mm)	Assumed Deletion claimed	18404	27-04-99	18403.00	2014-15	Refer Sl. No.20 of Form 9A / FY 2016-17, Actual decapitalization in year 2014-15 at SI No.10



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Sl. No.	Name of the Asset	Nature of de-capitization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
6	(410701) Temperature recorder & monitoring System	Assumed Deletion claimed	233214	01-05-94	182880.00	2019-20	Refer Sl. No.21 of Form 9A / FY 2016-17
Total Assumed Deletion Claimed in FY 2016-17			1404977.00		867508.00		
(B1) Actual Deletion Claimed							
1	(412503) Nirmal Portable type high vacuum transformer oil filtration plant (JHVR-6000X) Set (Nirmal portable)	claimed	2429554	31-Aug-00	1562878	16-17	Refer Sl. No.15 of Form 9A / FY 2016-17
2	(411112) FLYGT make submersible pump model BS-2201 011 HT, 50 HP/37KW, 3 phase 2970 RPM, with 10 mtrs long ca	claimed	888160	29-Aug-00	843752	16-17	Refer Sl. No.23 of Form 9A / FY 2016-17
3	(412005) Incinerator single chamber 5.10 kg p/h	claimed	409344	26-Dec-03	221839	16-17	HOSPITAL EQUIPMENTS
4	(411112) Toya submersible excavator for toya submersible pump 1 No	claimed	367459	31-Mar-90	318888	16-17	PUMPS
5	(410806) Remote Unit For GPS Based Time	claimed	85280	23-Dec-05	34967	16-17	Refer Sl. No.19 of Form 9A / FY 2016-17
6	(410904) Internal Distribution line -DPH Gandhian	claimed	345585	1-Apr-87	291191	16-17	INTERNAL DISTRIBUTION LINES IN TOWNSHIP AND WORK SITES, ETC.
7	(412503) Siren 3 Phase 440V 10 HP Audible range 16 Km -	claimed	88985	25-Jan-07	37262	16-17	MISC. ASSETS/EQUIPMENTS
8	(411112) Electrically operated pump with accessories	claimed	31659	31-Mar-90	31658	16-17	Refer Sl. No.18 of Form 9A / FY 2016-17
Total Actual Deletion Claimed in FY 2016-17			4646026		3342435		
(B1) Actual Deletion as Exclusion							
9	(411112) Submersible pump 25 hp - 1 No	Exclusion	99099	12-Jan-05	94144	16-17	Refer Sl. No.12 of Form 9A / FY 2018-19, De-capitalization claim as assume deletion at Sl. No.4 in year 2016-17
10	(412005) Automatic Urine Analyzer 411 Parameter	Exclusion	74008	26-Mar-06	33973	16-17	Refer Sl. No.10 of Form 9A / FY 2015-16, Already claim under Assumed Deletion at No 1 of form-9B(i) in FY 2015-16



99/100D

Sl. No.	Name of the Asset	Nature of de-capitization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
11	(412005) ECG machine with accessories 1469 - BPL	Exclusion	74100	11-Dec-00	47657	16-17	Refer Sl. No.4 of Form 9A / FY 2017-18 De-capitalisation value has been claimed as assumed deletion during 2017-18 (refer item no. 1)
12	(411114) Transformer type air cooled Welding set 400 Amp 1 No.	Exclusion	11317	12-Oct-91	11316	16-17	WIELDING SETS
13	(411502) Maruti Gypsy -3415	Exclusion	292749	9-Dec-99	263474	16-17	JEEPS-STATION WAGONS INCLUDING INSPECTION VEHICLES
14	(412003) XEROX 5331 PROCESSOR MACHINE	Exclusion	232939	31-Mar-95	209645	16-17	PHOTOCOPY/DUPLICATING MACHINES
15	(412003) PAPER COPIER WITH CABINET MODEL NO-3107	Exclusion	154962	31-Mar-85	123154	16-17	PHOTOCOPY/DUPLICATING MACHINES
16	(412003) MODI XEROX MODEL NO-1038-748494	Exclusion	128476	31-Jan-91	112939	16-17	PHOTOCOPY/DUPLICATING MACHINES
17	(411707) Synthetic carpet - 946.88 Squire Feet	Exclusion	97567	14-Jul-00	62243	16-17	FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
18	(411707) Synthetic Design Carpet- 393.82 Squire Feet, Gulonh leaf Green - 451.92 Sq. feet	Exclusion	93725	22-Sep-00	59790	16-17	FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
19	(411707) Synthetic Carpet- 1400 Squire Feet	Exclusion	89681	17-Mar-01	57213	16-17	FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
20	(412503) Aluminum Tilt Table tower extendable telescopie squire type ladder	Exclusion	77240	15-May-04	40332	16-17	MISC. ASSETS/EQUIPMENTS
21	(411707) Carpet - 1500 squire Feet	Exclusion	75731	2-Mar-02	45690	16-17	FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
22	(411707) Carpet Synthetic Design - 564 Squire Feet	Exclusion	73581	5-Apr-01	46931	16-17	FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
23	(411707) Carpet foam - 1257 Squire Feet	Exclusion	72629	13-Jun-00	46349	16-17	FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
24	(410904) LT Line(Deol Chaura Road)	Exclusion	68713	31-Oct-86	56942	16-17	INTERNAL DISTRIBUTION LINES IN TOWNSHIP AND WORK SITES, ETC.
25	(411707) Carpet Acric superior quality - 1365 Sq. feet	Exclusion	62212	5-Dec-01	38151	16-17	FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
26	(412008) Air conditioner Split Type 1.5 ton capacity	Exclusion	46900	13-Jul-00	46899	16-17	AIR CONDITIONERS
27	(411707) Loop pile carpet - 852 Squire Feet	Exclusion	45803	28-Apr-00	29232	16-17	FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
28	(412502) Earth claim tester	Exclusion	45520	4-Nov-04	22918	16-17	LABORATORY TESTING AND METER TESTING EQUIPMENTS
29	(412003) kilburn 840 ammonia machine	Exclusion	44253	31-Mar-89	38004	16-17	PHOTOCOPY/DUPLICATING MACHINES
30	(412020) Woolen carpet (741 + 234) sqf	Exclusion	43554	22-Jan-00	31282	16-17	OTHER OFFICE EQUIPMENTS



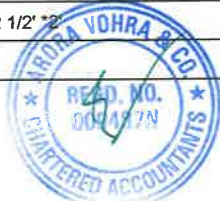
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100 E

Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
31	(411707) Carpet- 1348 squre Feet	Exclusion	42935	13-Jun-00	27401	16-17	FURNITURE-FIXTURES-FIELD HOSTEL /TRANSIT HOSTEL
32	(412006) Multi Gym & Station	Exclusion	41916	18-Jun-01	26370	16-17	CLUB EQUIPMENTS
33	(411707) Carpet - 1128 Squire Feet	Exclusion	40861	13-Mar-01	26057	16-17	FURNITURE-FIXTURES-FIELD HOSTEL /TRANSIT HOSTEL
34	(412011) Water cooler 150 ltr	Exclusion	36708	22-Nov-94	36707	16-17	AIR COOLERS/WATER COOLERS/FANS
35	(411112) Kirloskar pump type SHD - 65/32 N, nm-clog, end suction and of back pull out design,	Exclusion	91878	8-Nov-89	91875	16-17	PUMPS
36	(411112) Kirloskar pump SHD - 65/32 N,nm-clog,end suction and of back pull out design,80 mm suction,25 HP,	Exclusion	30626	8-Nov-89	30625	16-17	PUMPS
37	(411112) Kirloskar pump type SHD - 65/32 N, nm-clog, end suction and of back pull out design,	Exclusion	61252	8-Nov-89	61250	16-17	PUMPS
38	(412020) Electrical Coconut Tree	Exclusion	29250	22-Mar-06	13148	16-17	OTHER OFFICE EQUIPMENTS
39	(411707) Wool carpet 648 sq. feet.	Exclusion	28468	11-Aug-98	22707	16-17	FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
40	(411903) Fax Machine High Speed Plain paper Model - FC - 160	Exclusion	27890	14-Jul-00	17808	16-17	INTERIOR COMMUNICATION EQUIPMENTS
41	(411903) Fax machine Model 1030 E	Exclusion	21213	16-Sep-04	10810	16-17	INTERIOR COMMUNICATION EQUIPMENTS
42	(412020) Concrete Drill	Exclusion	31188	18-Nov-06	13227	16-17	OTHER OFFICE EQUIPMENTS
43	(411115) Air Compressors 410-123 (trf from surplus) - 1 No	Exclusion	14063	31-Mar-85	-1	16-17	AIR COMPRESSOR
44	(412011) Water Cooler USHA	Exclusion	13063	13-Jul-92	13062	16-17	AIR COOLERS/WATER COOLERS/FANS
45	(412008) Volta's crystal air conditioner (Model - 1501)	Exclusion	12978	10-Dec-87	12977	16-17	AIR CONDITIONERS
46	(412008) Volta's crystal air conditioner Model (1501)	Exclusion	12782	17-Aug-87	12781	16-17	AIR CONDITIONERS
47	(411903) Fax Machine	Exclusion	72108	22-Dec-03	39027	16-17	INTERIOR COMMUNICATION EQUIPMENTS
48	(411903) Thermal Paper Fax Machine	Exclusion	36054	16-Sep-04	18935	16-17	INTERIOR COMMUNICATION EQUIPMENTS



SI. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
49	(410801) Onam Transformer 100 KVA 11/0415 KVA	Exclusion	11953	31-Mar-87	11952	16-17	already claimed under assumed deletion at S No. 3, FY 2014-15 (SUBSTATION-TRANSFORMERS)
50	(411110) Electric vibrator with needle 40 mm 1 No	Exclusion	10133	28-Dec-93	10132	16-17	CONCRETING EQUIPMENT
51	(412007) Cooking range super flame printers	Exclusion	17857	14-Jan-93	17855	16-17	TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
52	(412011) Water cooler USHA	Exclusion	8076	17-Apr-89	8075	16-17	AIR COOLERS/WATER COOLERS/FANS
53	(411112) Monoblock pump set 1pc	Exclusion	15216	11-Jan-05	15214	16-17	PUMPS
54	(412503) Heavy duty standard folding ladder 57mm steps supported on 15mm squared solid	Exclusion	7069	15-May-04	7068	16-17	MISC. ASSETS/EQUIPMENTS
55	(412011) Desert cooler	Exclusion	13340	8-Jul-04	13338	16-17	AIR COOLERS/WATER COOLERS/FANS
56	(411701) Godrej Comp Table Model C - 6	Exclusion	5498	20-Aug-04	5497	16-17	FURNITURE-FIXTURES-OFFICE
57	(412801) Water geyser	Exclusion	9978	31-Mar-00	9976	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
58	(412801) Flat press bench	Exclusion	4950	26-Apr-04	4949	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
59	(412801) Godrej Chair Plastic PCH 7003	Exclusion	18956	27-Feb-07	18952	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
60	(412801) Table T-8	Exclusion	4666	5-Nov-03	4665	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
61	(412801) Stepper	Exclusion	4192	18-Jun-01	4191	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
62	(412801) Wheel Barrows	Exclusion	30216	5-Sep-05	30208	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
63	(412801) Exhaust Fan	Exclusion	3499	26-Sep-06	3498	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
64	(412801) Ups 625 VA	Exclusion	6968	20-Dec-05	6966	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
65	(412801) UPS (Difference of store issue rate of UPS - 10 No)	Exclusion	3374	28-Feb-04	3373	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
66	(412801) Hand Drill	Exclusion	3333	24-Mar-06	3332	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
67	(412801) Office Rack 1 pc	Exclusion	16500	18-Sep-04	16494	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
68	(412801) FLY CATCHER	Exclusion	5400	28-Jun-08	5398	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
69	(412801) MOULDED CHAIR, GODREJ MODEL MPC-4	Exclusion	2291	27-Jul-11	2290	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
70	(412801) Wooden Box size 4' * 2 1/2' * 2'	Exclusion	4380	30-Jun-01	4378	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
71	(412801) Exhaust Fan	Exclusion	29834	17-Feb-09	29820	16-17	FIXED ASSETS OF MINOR VALUE >750<5000



Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
72	(412801) Revolving Chair	Exclusion	2090	18-Oct-04	2089	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
73	(412801) Heat Convector	Exclusion	3432	13-Jan-07	3430	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
74	(412801) Plastic Chair Omate (Supreme)	Exclusion	10098	8-Aug-03	10092	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
75	(412801) Ceiling fan 48" (1200 mm)double ball bearing	Exclusion	8964	26-Dec-03	8958	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
76	(412801) SPHYGMONOMETER (B.P INSTRUMENT)	Exclusion	5824	14-Jan-10	5820	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
77	(412801) Heat convector HC RX-10 (Majesty)	Exclusion	2898	5-Jan-04	2896	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
78	(412801) Heat convector/Blower - 2000 V	Exclusion	2882	31-Mar-99	2880	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
79	(412801) Saline Stands With SS Crome (Heavy)	Exclusion	2858	18-Mar-08	2856	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
80	(412801) Heat Convector (Majesty)	Exclusion	2798	5-Jan-04	2796	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
81	(412801) Tamper Proof SMC Energy Meter Boxed Single Phase/Door	Exclusion	5380	11-Jan-07	5376	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
82	(412801) Exhaust Fan	Exclusion	22108	31-Mar-05	22091	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
83	(412801) Plastic Chair Omate	Exclusion	2428	11-Oct-03	2426	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
84	(412801) Godrej Stool	Exclusion	1204	21-Mar-05	1203	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
85	(412801) Heat convector Blow Hot	Exclusion	2250	5-Jan-04	2248	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
86	(412801) Exhaust Fan	Exclusion	5120	27-Jun-06	5115	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
87	(412801) CGI Box	Exclusion	3992	30-Jun-01	3988	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
88	(412801) Exhaust Fan	Exclusion	4916	26-Jun-07	4911	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
89	(412801) Tin Box	Exclusion	955	15-Jan-02	954	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
90	(412801) Exhaust Fan	Exclusion	7600	21-Feb-06	7592	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
91	(412801) Single Phase Energy Meter 240V 10.40 Amp	Exclusion	14875	16-Jan-07	14858	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
92	(412801) Electric Kettle	Exclusion	855	11-Jul-06	854	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
93	(412801) Ceiling Fan 48 Inches (1200 mm) double ball bearing	Exclusion	850	10-Feb-07	849	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
94	(412801) Ceiling Fan 48" (1200w Double bearing)	Exclusion	834	6-Dec-03	833	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
95	(412801) WEIGHING MACHINE DIGITAL 0-150 KG	Exclusion	2445	30-Mar-12	2442	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
96	(412801) Exhaust Fan 12 "	Exclusion	8800	13-Dec-05	8789	16-17	FIXED ASSETS OF MINOR VALUE >750<5000



Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
97	(412801) Room Heater D/Rod	Exclusion	1520	3-Jan-06	1518	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
98	(412801) Room Heater D/rod (USHA)	Exclusion	1520	3-Jan-06	1518	16-17	FIXED ASSETS OF MINOR VALUE >750<5000
99	(412503) Scrolling Display Board (12-19)	Exclusion	145752	10-May-06	61165	16-17	MISC. ASSETS/EQUIPMENTS
100	(410328) Construction of Security Fencing Surrounding Switchyard as per Security Norms	Exclusion	14805	8-Jan-16	1325	16-17	BUILDINGS-OTHERS
101	(410701) MAIN GENERATING EQUIPMENT	Exclusion	816224	1-May-94	734602	16-17	MAIN GENERATING EQUIPMENT
102	IUT- Corporate Office	Exclusion	235216		162279	16-17	
103	IUT- Region Office, Banikhet	Exclusion	188284901		121384902	16-17	
	Total Actual Deletion as Exclusion in FY 2016-17		192514065				
	Deletion Claimed (A)		4646026				
	Deletion Under Exclusion		192514065				
	Total Deletion as per books		197160091				
	Assumed Deletion (B)		1404977				
	Total Deletion claimed (A+B)		6051003				
	2017-18						
	(A) Assume Deletion						
1	ECG machine with accessories	Assume Deletion Claimed	74100	11-Dec-00	47657	17-18	Refer Sl. No.4 of Form 9A / FY 2017-18, Actual Decapitalization at Sl. No. 11 in year 2016-17
2	Wheel Dozer 824-B, Model No - 35 G 1132, Engine No (DS-205) 1610-103 - 1 No	Assume Deletion Claimed	19905.00	23/12/1986	19905.00	17-18	Refer Sl. No.6 of Form 9A / FY 2017-18
3	(410711) Sequential Event Recorder	Assume Deletion Claimed	1182446	1-May-94	913548	2018-19	replacement of equipment from Mother plant against capitalization (please refer sl no. 10 of form 9A in year 2017-18) Actual decapitalization in year 2018-19 at Sl. No.5 of 9B1



Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
4	(410711) Digital Panel Monitoring System	Assume Deletion Claimed	70871	1-May-94	54754	2018-19	replacement of equipment from Mother plant against capitalization (please refer sl no. 14 of form 9A in year 2017-18) Actual decapitalization in year 2018-19 at Sl. No.6 of 9B1
Total Assumed Deletion Claimed in FY 2017-18			1347322.00		1035864.00		
(B1) Actual Deletion Claimed							
1	(411130) BMC steel body 100 ton capacity hydraulic pressure complete with accessories	claimed	26140.00	01-05-87	26139.00	17-18	OTHER EQUIPMENT
2	(412008) Volta's crystal air conditioner (Model - 1501)	claimed	12978.00	10-12-87	12977.00	17-18	AIR CONDITIONERS
3	(412008) Volta's crystal air conditioner (Model - 1501)	claimed	12978.00	10-12-87	12977.00	17-18	AIR CONDITIONERS
4	(411116) Jack hammer	claimed	8931.00	10-01-91	8930.00	17-18	DRILLING EQUIPMENT
5	(411116) Jack hammer. (CP-32 ACP 1300@9000)	claimed	44328.00	30-10-92	44322.00	17-18	DRILLING EQUIPMENT
6	(412502) Outside Micrometer 0-300 mm Range mitatoyo set	claimed	39696.00	06-04-94	39695.00	17-18	LABORATORY TESTING AND METER TESTING EQUIPMENTS
7	(412502) Digital tubular inside micro meter - 339-182/282 with other accessories -	claimed	231544.00	30-06-94	208396.00	17-18	LABORATORY TESTING AND METER TESTING EQUIPMENTS
8	(412020) Electric siren range 8Km (440 Vatts, 3 Phase)	claimed	41038.00	01-04-99	30088.00	17-18	OTHER OFFICE EQUIPMENTS
9	(412502) Lab Equipment with accessories (4600 B00 FDC immersible ramgeable high performance pressure transm	claimed	300598.00	12-06-99	270538.00	17-18	LABORATORY TESTING AND METER TESTING EQUIPMENTS
10	(412502) Mettler DL-36 karffisher conlometer with accessories	claimed	272850.00	29-03-00	199876.00	17-18	Addition of New asset in year 2017-18 (refer sl no. 12 of 9A)
11	(412801) Drilling equipment	claimed	44472.00	31-03-00	44460.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
12	(412503) Dial gauge (Dial gauge 50 mm*0.01mm for extenso meter)	claimed	12698.00	25-04-00	8422.00	17-18	MISC. ASSETS/EQUIPMENTS
13	(412503) Digimatic micormeter - Code - 340-713	claimed	37440.00	20-11-00	24856.00	17-18	MISC. ASSETS/EQUIPMENTS
14	(412503) Digimatic micrometer - Code - 340-712-30	claimed	22100.00	20-11-00	14669.00	17-18	MISC. ASSETS/EQUIPMENTS
15	(412503) Digimatic Micrometer - Code - 340-711-30	claimed	17680.00	20-11-00	11764.00	17-18	MISC. ASSETS/EQUIPMENTS
16	(412801) Single Phase Energy Meter 240V 10.40 Amp	claimed	7875.00	16-01-07	7866.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
Total Actual Deletion Claimed in FY 2017-18			1133346.00		965975.00		
(B2) Actual Deletion as Exclusion							



Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
17	(410701) Main Generating Unit	Exclusion	68923175.00	31-03-17	42576540.00		Reversal against Arbitration Court Cases as per outcome of award, Assets capitalized in 2010-11 against Provision, now outcome of court come in favour of NHPC
18	(412008) Air conditioner Blue Star with cooling capacity 1.5 Ton	Exclusion	11376.00	19-05-86	11375.00	17-18	AIR CONDITIONERS
19	(411903) FAX MACHINE MODI XEROX NO-777002031	Exclusion	18870.00	31-03-99	18869.00	17-18	INTERIOR COMMUNICATION EQUIPMENTS
20	(412801) Pipe cot	Exclusion	17490.00	31-03-99	17479.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
21	(412801) Desert Air Cooler fitted cooler kit made of 20 GGP shut tank top front & doors 24 SWGGP shut	Exclusion	8776.00	13-07-00	8774.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
22	(412801) Usha Heat convector	Exclusion	1465.00	10-01-01	1464.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
23	(412801) Bajaj Wall fan	Exclusion	5025.00	07-07-01	5022.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
24	(412801) Iron cot	Exclusion	7200.00	26-03-02	7194.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
25	(411803) HP Desk jet Printer HP 5550 -	Exclusion	6895.00	18-09-03	6894.00	17-18	PRINTERS
26	(411803) HP LaserJet Printer1005	Exclusion	41140.00	25-09-03	41138.00	17-18	PRINTERS
27	(412801) Plastic Chair Omate	Exclusion	3642.00	11-10-03	3639.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
28	(411803) HP LaserJet Printer HP 1015	Exclusion	17600.00	17-11-03	17599.00	17-18	PRINTERS
29	(412801) Heat convector HC RX-10 (Majesty)	Exclusion	4347.00	05-01-04	4344.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
30	(412008) Air Conditioner Split type AC 1 ton , remote controlled	Exclusion	27500.00	04-03-04	27499.00	17-18	AIR CONDITIONERS
31	(411803) HP LaserJet printer (1300)	Exclusion	80676.00	26-03-04	80673.00	17-18	PRINTERS
32	(411803) HP LaserJet Printer 1300	Exclusion	188244.00	26-03-04	188237.00	17-18	PRINTERS
33	(411803) HP LaserJet Printer 1010	Exclusion	13001.00	26-03-04	13000.00	17-18	PRINTERS
34	(412011) Desert Cooler	Exclusion	11156.00	11-05-04	11154.00	17-18	AIR COOLERS/WATER COOLERS/FANS
35	(412008) LG window type 2 ton AC	Exclusion	20708.00	15-05-04	20707.00	17-18	AIR CONDITIONERS
36	(412011) Desert cooler	Exclusion	6670.00	08-07-04	6669.00	17-18	AIR COOLERS/WATER COOLERS/FANS
37	(412503) Glow sign Board with accessories VIP G / H, Khairi	Exclusion	37224.00	13-12-04	19811.00	17-18	MISC. ASSETS/EQUIPMENTS
38	(412503) Chain Pully 3 ton	Exclusion	12455.00	11-01-05	6656.00	17-18	MISC. ASSETS/EQUIPMENTS
39	(412503) Emergency light with D/T	Exclusion	23010.00	01-03-05	23007.00	17-18	MISC. ASSETS/EQUIPMENTS



Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
40	(412502) Digital Read out Unit for strain guage	Exclusion	237623.00	28-07-05	122932.00	17-18	LABORATORY TESTING AND METER TESTING EQUIPMENTS
41	(412801) Exhaust Fan	Exclusion	5200.00	20-08-05	5196.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
42	(412501) Video Camera Handy Cam Cam Corder	Exclusion	34990.00	13-10-05	17819.00	17-18	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
43	(411801) HP Compaq Pentium -IV 2.8 GHz model Dx6120 Computers with accessories	Exclusion	1218000.00	22-11-05	1217970.00	17-18	COMPUTERS
44	(412801) Heat Convectror	Exclusion	8416.00	21-12-05	8412.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
45	(411804) UPS 650 VA APC make	Exclusion	12952.00	22-12-05	12950.00	17-18	OTHER EDP EQUIPMENTS
46	(412801) Room Heater D/Rod	Exclusion	8360.00	03-01-06	8349.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
47	(412020) Electrical Coconut Tree	Exclusion	29250.00	10-01-06	14467.00	17-18	OTHER OFFICE EQUIPMENTS
48	(412020) Electrical Coconut Tree Height 4 Mtr	Exclusion	15750.00	10-01-06	7783.00	17-18	OTHER OFFICE EQUIPMENTS
49	(411803) Laser jet Printer A-4 Size	Exclusion	220000.00	31-01-06	219992.00	17-18	PRINTERS
50	(411801) HP Compaq DX6120 P-IV with CD writer	Exclusion	42998.00	13-02-06	42997.00	17-18	COMPUTERS
51	(411801) HP Compaq Pentium - IV, 2.8 GHz model DX-6120 with accessories	Exclusion	202500.00	18-03-06	202495.00	17-18	COMPUTERS
52	(411801) HP Computer with accessories	Exclusion	81000.00	18-03-06	80998.00	17-18	COMPUTERS
53	(411804) UPS 650 VA APC make	Exclusion	5106.00	23-03-06	5105.00	17-18	OTHER EDP EQUIPMENTS
54	(412501) Co lour Television	Exclusion	85670.00	07-10-06	85657.00	17-18	TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
55	(412801) Heat Convectror -Majesty HC-RX-10	Exclusion	3432.00	13-01-07	3430.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
56	(412801) Room Heater Double Rod-	Exclusion	1574.00	13-01-07	1572.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
57	(411803) Laser jet Printer A-4 Size	Exclusion	49192.00	03-02-07	49190.00	17-18	PRINTERS
58	(411801) Desktop PCs with Pentium IV processs 3.00 GHZ hyper thread technology 512 mb DDRSD 80 GB 7200 RPM u	Exclusion	798720.00	23-02-07	798696.00	17-18	COMPUTERS
59	(412801) Exhaust FAN	Exclusion	55026.00	02-03-07	54999.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
60	(411801) HP COMPAQ RX327 (SFF) 512 RAM/160 GB HDD, COMBO DRIVE 17" LCD MONITORS	Exclusion	92436.00	23-04-07	92434.00	17-18	COMPUTERS
61	(412503) Neon sign board including transfer & accessories	Exclusion	95485.00	21-05-07	42538.00	17-18	MISC. ASSETS/EQUIPMENTS
62	(412503) NHPC monogram neon tube dia 6 feet	Exclusion	94500.00	21-05-07	42120.00	17-18	MISC. ASSETS/EQUIPMENTS
63	(411804) Einova UPS - ES-1000B3	Exclusion	16120.00	29-06-07	16119.00	17-18	OTHER EDP EQUIPMENTS
64	(411804) 800VA APC UPS	Exclusion	5100.00	25-08-07	5099.00	17-18	OTHER EDP EQUIPMENTS
65	(412801) Single Bed 6*3'	Exclusion	24750.00	11-03-08	24740.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
66	(411801) HP Computer Comm P-4- 14 No+ HP 19" Commer TFT-140 No.	Exclusion	81801.00	22-05-08	81799.00	17-18	COMPUTERS



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Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
67	(411804) 800VA APC UPS	Exclusion	22400.00	22-05-08	22396.00	17-18	OTHER EDP EQUIPMENTS
68	(411801) HP Desktop dx 2480+HP TFT 17	Exclusion	229678.00	26-09-08	229671.00	17-18	COMPUTERS
69	(412801) Exhaust Fan	Exclusion	12786.00	17-02-09	12780.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
70	(412801) WHEEL BORROWER (SINGLE WHEEL)	Exclusion	2836.00	11-01-11	2834.00	17-18	FIXED ASSETS OF MINOR VALUE >750<5000
71	(411702) 7 SEATER SOFA SET (RESD)	Exclusion	29575.00	24-02-12	10578.00	17-18	FURNITURE-FIXTURES-RESIDENTIAL
72	(411702) WRITING TABLE WITH RACK(RESD)	Exclusion	7394.00	24-02-12	2644.00	17-18	FURNITURE-FIXTURES-RESIDENTIAL
73	(411702) REVOLVING CHAIR WITH ARM (RESD)	Exclusion	6825.00	24-02-12	2445.00	17-18	FURNITURE-FIXTURES-RESIDENTIAL
74	(411702) REVOLVING CHAIR WITH ARM(RESD)	Exclusion	6206.00	24-02-12	2222.00	17-18	FURNITURE-FIXTURES-RESIDENTIAL
75	(411801) HP LAPTOP PC PAVILLION 1002TX	Exclusion	57593.00	01-05-17	0.00	17-18	COMPUTERS
76	IUT-Banikhet	Exclusion	3067995.00		1673778.00	17-18	
77	IUT-Parbati-II	Exclusion	837506.00		837418.00	17-18	
Total Actual Deletion as Exclusion in FY 2017-18			77294390.00				
Deletion Claimed (A)			1133346.00				
Deletion Under Exclusion			77294390.00				
Total Deletion as per books			78427736.00				
Assumed Deletion (B)			1347322.00				
Total Deletion claimed (A+B)			2480668.00				
2018-19							
(A) Assume Deletion							
1	Dux Dumper Tag No. 620-013 (30 Tons), S.No. 570 -	Assume Deletion Claimed	160827.00	31-03-86	0.00	2018-19	Refer Sl. No.6 of Form 9A / FY 2018-19
2	980 C cat wheel and loader Tag No.710-001, S.No. 63X05752, Engine No - 70 V 18564	Assume Deletion Claimed	198357.00	31-03-86	0.00	2018-19	Refer Sl. No.6 of Form 9A / FY 2018-19
3	(410701) Digital Excitation System	Assume Deletion Claimed	11445837.00	01-05-94	8710381.00	2018-19	Refer Sl. No.10 of Form 9A / FY 2018-19
4	(411112) Submersible pump 25 hp - 1 No	Assume Deletion Claimed	99099	12-Jan-05	94144	16-17	Refer Sl. No.12 of Form 9A / FY 2018-19, Actual De-capitalization as exclusion at Sl. No.5 in year 2016-17
5	(410711) 400KV Numerical Line Distance Protection Relay	Assume Deletion Claimed	157681	01-05-94	121823	2018-19	Refer Sl. No.16 of Form 9A / FY 2018-19
6	(411112) Sinkobloc pumps 1 No (Darling brand sinkobloc pump model - S-2055/20HP, S.No.- DD-016677)	Assume Deletion Claimed	52426	25-06-01	47183.00	2014-15	Refer Sl. No.18 of Form 9A / FY 2018-19, actual de-capitalization in books in year 2014-15 at Sl. No.13 in form 9B1
7	(411112) Sinkobloc pumps 1 No (Darling brand sinkobloc pump model - S-2055/20HP, S.No.- DD-016676)	Assume Deletion Claimed	52426	25-06-01	47184.00	2014-15	Refer Sl. No.18 of Form 9A / FY 2018-19, actual de-capitalization in books in year 2014-15 at Sl. No.14 in form 9B1
Total Assume Deletion claimed in FY 2018-19			12166653.00		9020715.00		



Sl. No.	Name of the Asset	Nature of de-capitization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
(B1) Actual Deletion Claimed							
1	(410301 and 410601) Elevator at PH and Dam	claimed	2342108	1-May-94	1809492	2018-19	CERC allowed in year 2015-16 at Sl. No. 8 and actual capitalization in year 2018-19 at Sl No. 4 of for 9A
2	(410604) POWER TUNNELS AND PIPELINES(489990001)	claimed	41847724	1-May-94	27775639	2018-19	Liability provided against assets under arbitration /court case, now the outcome of award received in year 2018-19 for Rs.1.78 Crore, hence remaining amount for Rs.7.68 decapitalized (refer Form 16)
3	(410607) TAILRACE TUNNELS(2003030011)	claimed	35024111	1-May-94	23246593	2018-19	
4	(410701) Governing System	claimed	550246	1-May-94	425115	2018-19	governing system claimed as exclusion in year 2007-08 and de-capitalization from mother plant done in year 2018-19
5	(410711) Complete Shutdown Solenoid Valve	claimed	90275	1-May-94	69746	2018-19	
6	(410712) LP Compressor	claimed	153707	1-May-94	118753	2018-19	replacement of LP Compressor done from Mother plant against capitalization (please refer sl no. 15 of year 2018-19)
7	(410801) 3 X 400 Sqr.mm 11 KV Al xlpe insulated cable 1 No - 205 mtrs.(4004200002)	claimed	139316	25-Aug-86	115012	2018-19	SUBSTATION-TRANSFORMERS
8	(410801) Insulators conductor & hardware items - Gandhinar - (4325010054)	claimed	53352	25-May-86	44044	2018-19	SUBSTATION-TRANSFORMERS
9	(410801) Mounting structure for 33/11KV Sub station for CTS/PTS for Gandihar(9901010021)	claimed	159374	30-Oct-86	131570	2018-19	SUBSTATION-TRANSFORMERS
10	(411112) FLYGT make submersible pump model BS-2201 011 HT, 50 HP/37KW, 3 phase 2970 RPM, with 10 mtrs long ca(8201640009)*2	claimed	1776320	29-Aug-00	1687504	2018-19	Refer Sl. No.12 of Form 9A / FY 2018-19
11	(411502) Maruti Gypsy -3416(9802020006)	claimed	292749	9-Dec-99	263474	2018-19	JEEPS-STATION WAGONS INCLUDING INSPECTION VEHICLES



Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
12	(411502) Maruti Gypsy HP-47/532 -(9802020012)	claimed	270277	8-May-98	243249	2018-19	JEEPS-STATION WAGONS INCLUDING INSPECTION VEHICLES
Total Actual Deletion claimed in FY 2018-19			82699559		55930191		
(B2) Actual Deletion as Exclusion							
13	(410711) Sequential Event Recorder	Exclusion	1182446	1-May-94	913548	2018-19	replacement of equipment from Mother plant against capitalization (please refer sl no. 10 of form 9A in year 2017-18) Assume Deletion claimed in year 2017-18 at Sl. No.3 of 9B1
14	(410711) Digital Panel Monitoirng System	Exclusion	70871	1-May-94	54754	2018-19	replacement of equipment from Mother plant against capitalization (please refer sl no. 13 of form 9A in year 2017-18) Assume Deletion claimed in year 2017-18 at Sl. No.4 of 9B1
15	(412008) Volta's crystal air conditioner (Model - 1501)(3312010021)	Exclusion	12978	10-Dec-87	12977	2018-19	AIR CONDITIONERS
16	(412008) Air Conditioner 1.5 ton Split type with LCD R.Control(3312100022)	Exclusion	31000	15-Mar-03	30999	2018-19	AIR CONDITIONERS
17	(412008) Air conditioner Split Type 1.5 ton capacity(3312100040)*2	Exclusion	93800	13-Jul-00	93798	2018-19	AIR CONDITIONERS
18	(412008) Split type AC 1.5 ton(3312100076)	Exclusion	31500	17-Mar-05	25200	2018-19	AIR CONDITIONERS
19	(412011) Desert Cooler(3320020062)	Exclusion	5578	5-May-04	5577	2018-19	AIR COOLERS/WATER COOLERS/FANS
20	(412011) Desert cooler(3320020063)*3	Exclusion	20010	8-Jul-04	20007	2018-19	AIR COOLERS/WATER COOLERS/FANS
21	(412011) Deep Freezer 400 Lts(9410010001)*3	Exclusion	93555	24-Aug-06	46461	2018-19	AIR COOLERS/WATER COOLERS/FANS
22	(412011) Refrigerators 200 ltrs(9410010057)	Exclusion	9300	14-Nov-03	5477	2018-19	AIR COOLERS/WATER COOLERS/FANS
23	(412011) Volta's water cooler(9410010288)*2	Exclusion	56464	24-May-04	32268	2018-19	AIR COOLERS/WATER COOLERS/FANS



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Sl. No.	Name of the Asset	Nature of de-capitization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
24	(412011) Water cooler USHA(9410010304)*2	Exclusion	16152	17-Apr-89	16150	2018-19	AIR COOLERS/WATER COOLERS/FANS
25	(412020) Hooter single phase(6115010003)	Exclusion	11960	11-Aug-05	6359	2018-19	OTHER OFFICE EQUIPMENTS
26	(412020) Electrical Coconut Tree(8900040006)	Exclusion	29250	22-Mar-06	14975	2018-19	OTHER OFFICE EQUIPMENTS
27	(412020) Electrical Coconut Tree(8900040007)	Exclusion	29250	22-Mar-06	14975	2018-19	OTHER OFFICE EQUIPMENTS
28	(412201) MS OFFICE STD 2010 OR LATEST SNGL OLP LICENCE(1901010340)	Exclusion	24010	28-Sep-12	24010	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
29	(412201) MS OFFICE PROFESSIONAL PLUS 2010 OPR LATEST SGNL OLP LICENCE(1901010342)	Exclusion	16489	28-Sep-12	16489	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
30	(412201) MS OFFICE STD 2010 OR LATEST SNGL OLP LICENCE(1901010344)*30	Exclusion	360150	28-Sep-12	360150	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
31	(412201) Autocad(6325100001)	Exclusion	302511	14-Mar-08	302511	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
32	(412201) Intangible Assets (Computer software)(6325100013)	Exclusion	696815	31-Mar-04	696815	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
33	(412201) Intangible Assets (Computer software) (Operating software FXS - 113 - BB48 - 1 No - Rs. 208000, Pow(6325100014)	Exclusion	215956	13-Oct-04	215956	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
34	(412201) Intangible Assets (Computer software) (Software of microsoft visual basic - 1 No - Rs. 26730 , Soft(6325100015)	Exclusion	81950	31-Mar-07	81950	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
35	(412201) MS office 2007-License Standard(6325100021)*24	Exclusion	275976	26-Mar-10	275976	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
36	(412201) MS office 2007- License Professional(6325100045)	Exclusion	14945	26-Mar-10	14945	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
37	(412201) MS office 2007- Media Professional(6325100046)*2	Exclusion	2808	26-Mar-10	2808	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
38	(412201) MS OFFICE STD 2010 OR LATEST SNGL OLP LICENCE(6325100048)*9	Exclusion	108045	28-Sep-12	108045	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
39	(412201) Ethernet Based Automatic Reader(8101020003)	Exclusion	879722	28-Nov-07	879722	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE



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Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
40	(412201) MS OFFICE STD 2010 OR LATEST SNGL OLP LICENCE(9101050034)*9	Exclusion	108045	28-Sep-12	108045	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
41	(412201) MS OFFICE 2010 HOME AND BUSINESS FPP DVD 1 USER(9999900232)	Exclusion	9860	1-Apr-17	9860	2018-19	INTANGIBLE ASSETS-COMPUTER SOFTWARE
42	(412503) 6Ways LT Distribution Board, along with metering instruments, & accessories(4790010014)	Exclusion	67600	25-Jan-05	38292	2018-19	MISC. ASSETS/EQUIPMENTS
43	(412503) Jindal Make Natural Oil Cooled Copper Wound Rectifier (S.No 37) ('JEMC' Jindal make natural oil coo(5201030001)*2	Exclusion	94058	7-Nov-92	83960	2018-19	MISC. ASSETS/EQUIPMENTS
44	(412503) Emergency light with D/T(5901900018)*3	Exclusion	23010	1-Mar-05	23007	2018-19	MISC. ASSETS/EQUIPMENTS
45	(412503) Dragon light with Charger(5940300008)*2	Exclusion	15808	1-Mar-05	15806	2018-19	MISC. ASSETS/EQUIPMENTS
46	(412503) Magnetic White Board (4*5 Feet) ceramic coated(9101240065)	Exclusion	8250	18-Dec-03	8249	2018-19	MISC. ASSETS/EQUIPMENTS



Sl. No.	Name of the Asset	Nature of de-capitization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised (o&m g. b)	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
47	(412801) Godrej Computer table Model C-3 1 pc(1903050035)	Exclusion	4869	19-Jul-04	4868	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
48	(412801) Washing Machine Trolley(1909300020)	Exclusion	980	13-Oct-07	979	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
49	(412801) Heat convector Blow Hot(3330200080)*2	Exclusion	2250	5-Jan-04	2248	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
50	(412801) Ceiling fan 48" (1200 mm)double ball bearing)(3335010477)*7	Exclusion	10458	26-Dec-03	10451	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
51	(412801) Exhaust FAN(3340040118)*32	Exclusion	65216	2-Mar-07	65184	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
52	(412801) Exhaust Fan(3340040387)*16	Exclusion	34096	17-Feb-09	34080	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
53	(412801) Tamper Proof SMC Energy Meter Boxed Single Phase/Door(5202080087)*5	Exclusion	6725	11-Jan-07	6720	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
54	(412801) DRAGON LIGHT WITH IN BUILT SMPS CHARGER 12V, 55 W HALOGEN, SMF BATTERY 7AH(5940010005)	Exclusion	4143	19-Nov-11	4142	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
55	(412801) OL-C-104 Clock(7505110065)	Exclusion	775	21-Dec-06	774	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
56	(412801) FLY CATCHER(9410010024)	Exclusion	2700	28-Jun-08	2699	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
57	(412801) Mobile Phone(9999900230)	Exclusion	1	1-Apr-17	0	2018-19	FIXED ASSETS OF MINOR VALUE >750<5000
58	IUT-Region Banikhet	Exclusion	1292486		330503	2018-19	
	Total Actual Deletion as Exclusion in FY 2018-19		6424821		5022769		
	Deletion Claimed (A)		82699559				
	Deletion Under Exclusion		6424821				
	Total Deletion as per books		89124380				
	Assumed Deletion (B)		12166653				
	Total Deletion claimed (A+B)		94866212				

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Statement showing reconciliation of ACE claimed with the capital additions as per books

Name of the Petitioner : NHPC Limited
 Name of the Generating Station : Chamera-I Power Station
 COD : 01.05.1994

(Rs. In Lakhs)

Sl. No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7
	Closing Gross Block	219699.69	220271.67	218606.82	218627.80	221163.06
	Less: Opening Gross Block	217852.40	219699.69	220271.67	218606.82	218627.80
	Total Additions as per books	1847.29	571.98	-1664.85	20.98	2535.26
	Less: Additions pertaining to other Stages (give Stage wise breakup)	0.00	0.00	0.00	0.00	0.00
	Net Additions pertaining to instant project / Unit / Stage	1847.29	571.98	-1664.85	20.98	2535.26
	Less: Exclusions (items not allowable / not claimed)	1459.58	43.46	-1887.95	-666.14	18.62
	Net Additional Capital Expenditure Claimed	387.71	528.52	223.10	687.12	2516.64
	Less: Assumed Deletion	4.30	39.26	14.05	13.47	121.67
	Net Additional Capital Expenditure Claimed after adjusting assumed deletion	383.41	489.26	209.05	673.64	2394.97

Note:

Reason for exclusion of any expenditure shall be given in Clear terms.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comm.)

Statement showing Items / assets / works claimed under Exclusions

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

COD :01.05.1994

Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accural basis	Un-discharged Liability included In col.3	Cash basis	IDC Included In col.3	
1	2	3	4	5=3-4	6	7
	2014-15					
1	(411701) 1903020132/NEST OF TABLE(3PCS) MADE OF TEAK WOOD WITH GLASS TOP, DULY MELAMINE POLISHED COMPLETE	16600	0	16600		FURNITURE-FIXTURES-OFFICE
2	(411701) 1904010295/DOUBLE BED WITH CUSHIONED BACK & HYDRAULIC LIFT BORE. MADE OF COMPRESSED WOOD MELAMINE POLISH	41800	0	41800		FURNITURE-FIXTURES-OFFICE
3	(411701) 1904010296/DOUBLE BED BOX TYPE MADE OF TEAK PLY WOOD MELAMINE POLISHED	30000	0	30000		FURNITURE-FIXTURES-OFFICE
4	(411701) 9280300056/SOFA(2+1+1)FOUR SEATED TEAKWOOD USED MELAMINE POLISHED HIGH DENSITY CUSHIONED FINGER TYPE DESIGN	73604	0	73604		FURNITURE-FIXTURES-OFFICE
5	(411701) 1907010231/SOFA 2+1+1 FOUR SEAT,SEAT &BACK CUSHION,TEAKWOOD,MELAMINE POLISH,HIGH DENTY CUSHION & SUPERIOR CLOTH	36800	0	36800		FURNITURE-FIXTURES-OFFICE
6	(411702) 1902010303/OFFICE TABLE	14544	0	14544		FURNITURE-FIXTURES-RESIDENTIAL
7	(411702) 1913010342/office chair	5456	0	5456		FURNITURE-FIXTURES-RESIDENTIAL
8	(411707) 1906200040/GARDEN SET FOUR SEATED WITH TABLE, MADE OF CORTED ALUMINIUM, DULY POLISHED	38300	0	38300		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
9	(411707) 6301040430/OVAL SOFA 2-SEATER IN SYN LTH BURGANDY (STSFOVA2051) (12*20615)	226765	0	226765		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
10	(411707) 6301040448/OVAL SOFA 1-SEATER IN SYN LTH BURGANDY (STSFOVA1051) (5*12299)	61495	0	61495		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
11	(411707) 9425010026/SWING-2 SEATED SUPERIOR QUALITY. POWDER COATED FRAME WITH HOOD	19500	0	19500		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
12	(411801)3560300018/Laptop (Rajesh Gupta-Chief HR)	74500	0	74500		COMPUTERS
13	(411801) 6108040002/22 INCH LED MONITOR, BENQ, GW2255 (5*8853)	44265	0	44265		COMPUTERS
14	(411801) 6301040299/ALL IN ONE DESKTOP COMPUTER, LENOVO A520	103224	0	103224		COMPUTERS
15	(411801) 6301040300/LAPTOP LENOVO Y50 15.6 "	81375	0	81375		COMPUTERS
16	(411801) 6309490014/LED MONITOR, 18.5 INCH, BENQ, VL2040AZ (24*6458)	154992	0	154992	ok	COMPUTERS
17	(411803) 6305100068/HP DESKJET INK ADVANTAGE 1515 ALL IN ONE PRINTER (PRINT, COPY, SCAN)	5880	0	5880		PRINTERS
18	(411803) 6305100069/BROTHER MFC-9140CDN COLOR LASERJET PRINTER	39900	0	39900		PRINTERS
19	(411803) 9101050046/XEROX MULTIFUNCTION PRINTER/COPIER MODEL WC 5330 (2*175318)	350636	0	350636		PRINTERS
20	(411804) 3560400001/FINGER PRINT BASED ATTENDANCE RECORDING SYSTEM MAKE MATRIX MODEL COSEC DOOR FOT	27623	0	27623		OTHER EDP EQUIPMENTS
21	(411804) 3560400003/COSEC GE PLATFORM (SOFTWARE FOR FINGER PRINT BIOMETRIC M/C 3560400001,2)	36443	0	36443		OTHER EDP EQUIPMENTS
22	(411902)6110170014/FIXED CELLULAR TERMINAL (FCT) MAKE MATRIX MODEL SIMADO GFX - 11 (5*5405)	16215	0	16215		TELEPHONE TELEX MACHINES
23	(411902) 6110170014/FIXED CELLULAR TERMINAL (FCT) MAKE MATRIX MODEL SIMADO GFX - 11 (5*5405)	16215	0	16215		TELEPHONE TELEX MACHINES



Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accrual basis	Un-discharged Liability Included In col.3	Cash basis	IDC included in col.3	
1	2	3	4	5=3-4	6	7
24	(412005) 9672010026/TRANSASIA CHEM TOUCH SEMI AUTOMATED CLINICAL CHEMISTRY ANALYZER , ERBA DIAGNOSTICS MANNHEIM GMBH (BKT)	558274	0	558274		HOSPITAL EQUIPMENTS
25	(412008) 1902010304/VOLTAS WINDOWS AC 1.5 TONS	20000	0	20000		AIR CONDITIONERS
26	(412008) 3312100120/AIR CONDITIONER 1.5 TONNE,SPLIT TYPE, HOT & COOL WITH CORDLESS REMOTE (7*47641)	333487	0	333487		AIR CONDITIONERS
27	(412008) 3312100127/AIR CONDITIONER 1.5 TONNE,SPLIT TYPE, HOT & COOL WITH CORDLESS REMOTE	47643	0	47643		AIR CONDITIONERS
28	(412008) 3312100128/2.0 TR SPLIT AIR CONDITIONER 3 STAR RATED VOLTAS MAKE, SILVER (3S) (60707*3)	182121	0	182121		AIR CONDITIONERS
29	(412014) 6107060023/SONY HOME THEATRE DAV DZ 215	14410	0	14410		TELEVISION/MUSIC SYSTEM FOR OFFICE
30	(412014) 6108030042/LED TV ,MODEL - SONY 50" LED TV KDL-50W900B	127785	0	127785		TELEVISION/MUSIC SYSTEM FOR OFFICE
31	(412014) 6108030043/LED TV ,MODEL - SONY 32" LED TV KDL-32W700B (40530*3)	121590	0	121590		TELEVISION/MUSIC SYSTEM FOR OFFICE
32	(412014) 6108040001/SONY TV W600B BRAVIA INTERNET LED BACKLIGHT 48 INCH	82400	0	82400		TELEVISION/MUSIC SYSTEM FOR OFFICE
33	(412014) 6108040007/LED SCREEN 24", 24M35H-D-B-ATR, LG MAKE	13808	0	13808		TELEVISION/MUSIC SYSTEM FOR OFFICE
34	(412020) 5310140011/AUTOMATIC VOLTAGE STABILIZER (5658*3)	16974	0	16974		OTHER OFFICE EQUIPMENTS
35	(412503) 1902010308/TATA SKY WITH 4 SET TOP BOXES/CONNECTIONS AND ACCESSORIES	6400	0	6400		MISC. ASSETS/EQUIPMENTS
36	(412503) 9410011081/DEEP FREEZER 405 LTR CAPACITY (VOLTAS), MODEL - CF405 (34650*2)	69300	0	69300		MISC. ASSETS/EQUIPMENTS
37	(412503) 9410011087/GEYSER 35 LTR.	35595	0	35595		MISC. ASSETS/EQUIPMENTS
38	(412505) 1913010240/REFRIGERATED FOOD DISPLAY COUNTER, 2 FEET X 4 FEET X 4 FEET,	58807	0	58807		REFRIGERATOR OTHER THAN FOR OFFICE
39	(412801) 3340040682/EXHAUST FAN (8*1166)	9328	0	9328		FIXED ASSETS OF MINOR VALUE >750<5000
40	(412801) 3560300017/Mobile phone, Samsung Galaxy, (Rajest Gupta, Chlef H.R)	3500	0	3500		FIXED ASSETS OF MINOR VALUE >750<5000
41	(412801) 5825100309/1 KVA UPS LINE INTERACTIVE (41*4822)	197702	0	197702		FIXED ASSETS OF MINOR VALUE >750<5000
42	(412801) 6108100059/TATA SKY (DTH SERVICES) SET TOP BOX WITH DIGI COMP HARDWARE	4600	0	4600		FIXED ASSETS OF MINOR VALUE >750<5000
43	(412801) 6108100060/TATA SKY (DTH SERVICES) SET TOP BOX WITH DIGI COMP HARDWARE	4600	0	4600		FIXED ASSETS OF MINOR VALUE >750<5000
44	(412801) 6309210001/WIRELESS ROUTER,MODEL - ZYXEL P660HN-T1A (10*1957)	19570	0	19570		FIXED ASSETS OF MINOR VALUE >750<5000
45	(412801) 6309600067/WIRELESS INDOOR ACCESS POINT (4*3675)	14700	0	14700		FIXED ASSETS OF MINOR VALUE >750<5000
46	(412801) 8930040060/Nokia Asha 210 (A.K. CHOUKSEY)	3500	0	3500		FIXED ASSETS OF MINOR VALUE >750<5000
47	(412801) 9280010012/CORDLESS PHONE SONY	3500	0	3500		FIXED ASSETS OF MINOR VALUE >750<5000
48	(412801) 9401200058/INDUCTION HEATER, MAKE - PHILIPS MODEL 4829	3600	0	3600		FIXED ASSETS OF MINOR VALUE >750<5000
49	(412801) 9410011090/HEAT PILLAR (4*4263)	17052	0	17052		FIXED ASSETS OF MINOR VALUE >750<5000
50	(412801) 9410120003/FLY TRAPPERS / CATCHERS (4*2858)	11432	0	11432		FIXED ASSETS OF MINOR VALUE >750<5000
51	(410328) temporary office shed at chakkii bank	156696	0	156696		BUILDINGS-OTHERS
52	(410328) temporary security shed at chakkii bank	47459	0	47459		BUILDINGS-OTHERS
53	(412007) 9410011094/VACUUM CLEANER	7950		7950		TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS



Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accrual basis	Un-discharged Liability Included In col.3	Cash basis	IDC included in col.3	
1	2	3	4	5=3-4	6	7
54	(411707) (631040430)OVAL SOFA 2-SEATER IN SYN LTH BURGANDY (STSFOVA2051)	20615		20615		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
55	(411804) COSEC DOOR PSBB (MATRIX MAKE POWER BACKUP WITH BATTERY BIOMETRIC M/C 3560400001,2)	14584		14584		OTHER EDP EQUIPMENTS
56	(412801) Weighing Machine	3466		3466		FIXED ASSETS OF MINOR VALUE >750<5000
57	(412502) Vibrating Readout Unit	242156		242156		LABORATORY TESTING AND METER TESTING EQUIPMENTS
58	IUT OF ASSETS FROM CORPORATE OFFICE (19 ITEMS)	743799	0	743799		
59	IUT OF ASSETS FROM RE BHUBNESHWAR (138 ITEMS)	1214423	0	1214423		
60	IUT OF ASSETS FROM R. O. BANIKHET ON CLOSURE (5029 ITEMS)	193933401	0	193933401		
	Total (2014-15)	199882359	0	199882359		
2015-16						
1	(411707) ROYAL EXCLUSIVE CHAIR, SS FRAME, OVERALL SIZE HEIGHT 83CM, WIDTH 77CM	93320		93320		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
2	(411707) Diwan (Double Bed) box type	33000		33000		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
3	(411707) Sofa Set (3+1+1)	42000		42000		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
4	(411707) GODREJ MODULAR KITCHEN CABINETS (TOP UNIT SIZE: 2800X700X330MM, BOTTOM UNIT SIZE: 6850X800X580 MM)	399500		399500		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
5	(411801) LED MONITOR, 19.5", MAKE- BENQ, MODEL NO. VL2040	153426		153426		COMPUTERS
6	(411801) LED MONITOR, 21.5" MAKE- BENQ, MODEL NO. GW2255	24885		24885		COMPUTERS
7	(411801) PERSONAL COMPUTER(DESKTOP), HP 406 G1	768945		768945		COMPUTERS
8	(411801) HP PAVILION 15-AB034TX LAPTOP	67000		67000		COMPUTERS
9	(411801) LAPTOP LENOVO Y50 15.6 "	89250		89250		COMPUTERS
10	(411804) 1 TB USB EXTERNAL HARD DISK	4935		4935		OTHER EDP EQUIPMENTS
11	(411804) TELEPHONE SET, MAKE PANASONIC, MODEL-KXTS3282BXW	60440		60440		OTHER EDP EQUIPMENTS
12	(411902) BROTHER MAKE FAX MACHINE MODEL-236	9345		9345		TELEPHONE TELEX MACHINES
13	(412007) ELECTRIC TANDOOR - GLEN, GL5014	5233		5233		TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
14	(412007) GAS STOVE (3 BURNERS)	5723		5723		TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
15	(412007) MIXER GRINDER HEAVY DUTY, SILVER LINE, 1100W	16802		16802		TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
16	(412007) GEYSER, BAJAJ, 25 LTR, MODEL NO. CM/L960488	28551		28551		TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
17	(412007) ELECTRIC GEYSER 40 LITERS, JAGUAR, MODEL VERSA	10815		10815		TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
18	(412007) MICROWAVE CONVECTION WITH BARTAN SET 20 LTR, IFB/ 20BC4	23000		23000		TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
19	(412007) VACUUM CLEANER	25599		25599		TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
20	(412007) SONY LED TV 32 - KLV-32R412C	30926		30926		TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS
21	(412007) SONY LED TV 32 - KLV-32R412C	30926		30926		TRANSIT HOSTEL/GUEST HOUSE EQUIPMENTS



Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accural basis	Un-discharged Liability Included In col.3	Cash basis	IDC Included in col.3	
1	2	3	4	5=3-4	6	7
22	(412008) AUTOMATIC VOLTAGE STABILIZER, MAKE V-GAURD, MODEL VEW 500	2950		2950		AIR CONDITIONERS
23	(412008) wln dow ac, 1.5T voltas make	20000		20000		AIR CONDITIONERS
24	(412008) VOLTAS HOT & COLD VERTIS 1.5 TR(TONNE) WINDOW	28500		28500		AIR CONDITIONERS
25	(412008) SPLIT AC 1.5 TON HOT & COLD WITH STAND, VOLTAS,1.5T185CY	322049		322049		AIR CONDITIONERS
26	(412008) SPLIT TYPE AC 2 TON CAPACITY HOT AND COLD, VOLTAS 24 HY	55305		55305		AIR CONDITIONERS
27	(412011) CEILING FAN 1200 MM - CROMPTON GREAVES	5408		5408		AIR COOLERS/WATER COOLERS/FANS
28	(412503) COSEC DOOR PSBB (MATRIX MAKE POWER BACKUP WITH BATTERY)	5040		5040		MISC. ASSETS/EQUIPMENTS
29	(412503) COSEC DOOR PSBB (MATRIX MAKE POWER BACKUP WITH BATTERY)	5040		5040		MISC. ASSETS/EQUIPMENTS
30	(412503) FLY TRAPPERS / CATCHERS	30510		30510		MISC. ASSETS/EQUIPMENTS
31	(412503) STAINLESS STEEL (S.S) TANDOOR: 800L X 800W X 850H	30650		30650		MISC. ASSETS/EQUIPMENTS
32	(412801) EXHAUST FAN	22800		22800		FIXED ASSETS OF MINOR VALUE >750<5000
33	(412801) EXHAUST FAN 200 MM SWEEP, PLASTICL BODY	1166		1166		FIXED ASSETS OF MINOR VALUE >750<5000
34	(412801) ELECTRIC KETTLE 1.2 LTR, 9303	2598		2598		FIXED ASSETS OF MINOR VALUE >750<5000
35	(412801) INDUCTION COOKER (MOEDL : DITZ-INDI COOK)	1530		1530		FIXED ASSETS OF MINOR VALUE >750<5000
36	(412801) CEILING FAN 1200MM WITHOUT REGULATOR	62880		62880		FIXED ASSETS OF MINOR VALUE >750<5000
37	(412801) TATA SKY WITH 3 SET TOP BOXES/CONNECTIONS AND ACCESSORIES	6400		6400		FIXED ASSETS OF MINOR VALUE >750<5000
38	(412801) TATA SKY SET TOP BOX PRIMARY	1700		1700		FIXED ASSETS OF MINOR VALUE >750<5000
39	(412801) TATA SKY HD WITH 3 SET TOP BOXES/CONNECTIONS AND ACCESSORIES	5400		5400		FIXED ASSETS OF MINOR VALUE >750<5000
40	(412801) ELECTRIC KETTLE 1.7 LTR	7200		7200		FIXED ASSETS OF MINOR VALUE >750<5000
41	(412801) EXHAUST FAN	5922		5922		FIXED ASSETS OF MINOR VALUE >750<5000
42	(412801) CEILING FAN 1200MM WITHOUT REGULATOR	33586		33586		FIXED ASSETS OF MINOR VALUE >750<5000
43	(412801) CEILING FAN 1200MM WITHOUT REGULATOR	4830		4830		FIXED ASSETS OF MINOR VALUE >750<5000
44	(412801) cordless phone beetel	3499		3499		FIXED ASSETS OF MINOR VALUE >750<5000
45	(412801) Cordliss phone panasonic make	3500		3500		FIXED ASSETS OF MINOR VALUE >750<5000
46	(412801) INSTANT GEYSER 3 LTR	8186		8186		FIXED ASSETS OF MINOR VALUE >750<5000
47	(412801) SIDE WHEEL LAWN MOWER 14	4900		4900		FIXED ASSETS OF MINOR VALUE >750<5000
48	INDUCTION COOKER WITH 3 PCS NON STICK SET, (412801) BAJAJ /1CX12	9800		9800		FIXED ASSETS OF MINOR VALUE >750<5000
49	(411002) AMF PANEL FOR 82.5KVA DG SET (CROMPTON GREAVES MAKE) WITH 30 MTR XL PE CABLE	130001		130001		DIESEL GENERATING SETS
50	(411002) 82.5 KVA GREEN WATER COOLED SILENT DG SET AND CHEMICAL FOR EARTHING, CHANGEOVER SWITCH, CU. CABLE	786700		786700		DIESEL GENERATING SETS



Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accural basis	Un-dscharged Liability Included In col.3	Cash basis	IDC Included In col.3	
1	2	3	4	5=3-4	6	7
51	(412503) BRUSH CUTTER - ENGINE DRIVEN(WITH NYLONE HEAD AND BLADE)	80174		80174		MISC. ASSETS/EQUIPMENTS
52	(412503) WINDOWS SERVER STANDARD 2012 (2CPU) - ENGLISH ROK NO CAL	52605		52605		MISC. ASSETS/EQUIPMENTS
53	(412503) MECHANICAL GATE POSITION INDICATOR WITH ACCESSORIES, MAKE VIDYUT, 78 TEETH SOCKET WITH 188 MM ID	56260		56260		MISC. ASSETS/EQUIPMENTS
54	(412503) HORIZONTAL DOUBLE MOUNTING SIREN SINGLE PHASE 200/250V, 2800RPM 50C/S AC, AUDIBLE RANGE: 8KM, 3HP	66150		66150		MISC. ASSETS/EQUIPMENTS
55	(412503) MOTORIZED CHAIN PULLEY BLOCK - 2 TON	86855		86855		MISC. ASSETS/EQUIPMENTS
56	(412503) FLOOR SCRUBBING MACHINE, MAKE: DULEVO, MODEL: GT50C50	183923		183923		MISC. ASSETS/EQUIPMENTS
57	(410714) HORIZONTAL CENTRIFUGAL PUMP ALONG WITH ELECTRIC MOTOR, GOULDS & 3196-3 X 4-10	2543625		2543625		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
58	(410714) G.S. WIRE ROPE	169030		169030		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
59	(410714) SOLENOID OPERATED DIRECTIONAL CONTROL VALVE, MAKE: VICKERS (EATON), MODEL NO.: DG4V-3-2A-L-M-FW-H7-6	73430		73430		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
60	ESR ANALYSER (10 NUMBERED RECESSES FOR CUVETTES.)	134692		134692		HOSPITAL EQUIPMENT
61	IUT OF ASSETS FROM CORPORATE OFFICE (19 ITEMS)	1,208,972		0	1208972	Total Station with Assessorles and Sr. Officers Residential Assets
62	IUT OF ASSETS FROM TEESTA -V (5 Items)	53,500		0	53500	Sr. Officers Residential Assets
63	IUT OF ASSETS FROM DIBANG M. PROJECT (5 Items)	85,160		0	85160	Sr. Officers Residential Assets
64	IUT OF ASSETS FROM URI POWER STATION (2 ITEMS)	74,970		0	74970	Sr. Officers Residential Assets
65	Adjustment of account of Ind AS Implementation	564,747			564,747	pls refer sl no. 54 of 2016-17
		8965764	0	8965764		

2016-17

1	(412501) 8 CHANNEL MIXER WITH EFFECT MAKE - SOUND CRAFT MODEL - EFX8	23888		23888		TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
2	(412503) AUTO HAND DRYER	6301		6301		MISC. ASSETS/EQUIPMENTS
3	(412801) CEILING FAN 1200MM WITHOUT REGULATOR	88380		88380		FIXED ASSETS OF MINOR VALUE >750<5000
4	(412801) CENTRE TABLE WOODEN WITH SUNMICA TOP 4X2X1.5	28208		28208		FIXED ASSETS OF MINOR VALUE >750<5000
5	(412501) COLLER WIRELESS MICROPHONE - MAKE-AGK MODEL - WMS45PT	15925		15925		TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
6	(411801) 1DESKTOP COMPUTER, ICI7 PROCESSOR, 4GB RAM, 500GB HDD, 18.5 TFT, WIN 8 PROF - ACER VERITO N M200-Q87	471016		471016		COMPUTERS
7	(412801) DINING CHAIR PLASTIC WITH STEEL LEGS WIDTH-50CM, DEPTH-50CM, HEIGHT-80CM & SEAT HEIGHT-40CM APPROXIM	50320		50320		FIXED ASSETS OF MINOR VALUE >750<5000
8	(411703) DINNING TABLE WITH PU / MEMBRANE TOP 6 SEATER TOP SIZE 1000 X 1600 MM APPROX.	45154		45154		FURNITURE-FIXTURES-CANTEEN
9	(412501) DUAL CHANNEL POWER AMPLIFIER, 775W @ 2 OHM, 650W @ 4OHM, 300W@8 OHM - MAKE - CROWN MODEL - XLS 2000	43225		43225		TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUALS EQUIPMENTS
10	(412801) ELECTRIC IRON LAUNDRY PRESS	4788		4788		FIXED ASSETS OF MINOR VALUE >750<5000



Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accrual basis	Un-discharged Liability included In col.3	Cash basis	IDC Included In col.3	
1	2	3	4	5=3-4	6	7
11	(412801) ELECTRIC KETTLE STAINLESS STEEL	13600		13600		FIXED ASSETS OF MINOR VALUE >750<5000
12	(412503) ELGI CAR WASHER, MAKE-ELGI, MODEL- P36/30	71019		71019		MISC. ASSETS/EQUIPMENTS
13	(411707) EXECUTIVE WOODEN DRESSING TABLE	10010		10010		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
14	(412801) GODREJ REVOLVING STOOL (STEEL)-FUSTMHC13RSXTRD	10552		10552		FIXED ASSETS OF MINOR VALUE >750<5000
15	(411706) GODREJ STOREWEL PLAIN, ITEM CODE STSTW000XXX	39232		39232		FURNITURE-FIXTURES-HOSPITAL
16	(411706) GODREJ STOREWELL MINOR SMALL PLAIN	15402		15402		FURNITURE-FIXTURES-HOSPITAL
17	(412503) GRASS CUTTING MACHINE (POWER LAWN MOWER FITTED WITH 1 HP MOTOR)	88524		88524		MISC. ASSETS/EQUIPMENTS
18	(412502) HOT AIR OVEN (SIZE 450X450X450 MM) WITH DIGITAL INDICATOR CUM CONTROLLER TEMPERATURE RANGE 0-250.0C	17642		17642		LABORATORY TESTING AND METER TESTING EQUIPMENTS
19	(412801) INDUCTION COOK TOP(PRESTIGE)	6350		6350		FIXED ASSETS OF MINOR VALUE >750<5000
20	(411801) LAPTOP ,INTEL CORE I7 (QUAD CORE)PROCESSOR,8GB RAM,1TB HDD MODEL-FNYY-15-W101TXX360	258000		258000		COMPUTERS
21	(412014) LED TV ,49 INCH,SAMSUNG,MODEL-49K5100	247800		247800		TELEVISION/MUSIC SYSTEM FOR OFFICE
22	(412801) MIXER GRINDER HEAVY DUTY 750 W - MAKE-HAVELLS, MODEL:MARATHON	9780		9780		FIXED ASSETS OF MINOR VALUE >750<5000
23	(412801) MULTIPURPOSE CHAIR CUSHIONED CHAIR 4LEGGED W/OARMREST FU 1018XXV01SYXXX	18438		18438		FIXED ASSETS OF MINOR VALUE >750<5000
24	(412503) NOTICE BOARD 12 MM SOFT PIN FACILITY SIZE 9.5 X 4.0 FT WITH VALVET CLOTH & SYNTHETIC PROFILE FRAM	6793		6793		MISC. ASSETS/EQUIPMENTS
25	(412801) PLASTIC CUSHIONED CHAIR- MAKE-SUPREME, MODEL ORNATE	59360		59360		FIXED ASSETS OF MINOR VALUE >750<5000
26	(411803) PRINTER WITH COPY, SCANNER & FAX., MAKE: BROTHER, MODEL- L2701D	210210		210210		PRINTERS
27	(412801) REDMI NOTE-3 GOLD 32 GB (ASHOK KUMAR NETATURI, CHIEF E&C)	3500		3500		FIXED ASSETS OF MINOR VALUE >750<5000
28	(412501) REMOTE CONTROL WALL MOUNTING SCREEN FOR PROJECTOR, SUVIRA, 8 X 6 FEET	34126		34126		TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUAL S EQUIPMENTS
29	(411707) ROCKY CHAIR CUSHIONED SEAT, TEAK WOOD FRAME	31396		31396		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
30	(411707) STORAGE WATER HEATER 25 LTRS	79280		79280		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
31	(411707)SUNFLAME COOKING RANGE REGALIA MODEL GTSS WITH BUILT-IN OVEN AUTO IGNITION	29505		29505		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
32	(412501) VOCAL WIRELESS HANDHELD MICROPHONE - MAKE-AKG MODEL - WMS45HT	18428		18428		TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUAL S EQUIPMENTS
33	(412801) WIRELESS ROUTER,MODEL - ZYXEL P660HN-T1A	19850		19850		FIXED ASSETS OF MINOR VALUE >750<5000
34	(412801) WOODEN COTS 6'X3' SINGLE BED	157500		157500		FIXED ASSETS OF MINOR VALUE >750<5000
35	(411707) WOODEN DOUBLE BED BOX TYPE WITH SINGLE SIDE BOX SIZE 6'X6.5'	311282		311282		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
36	(412501) MONITOR SPEAKER. 5.25 ,200W PROGRAM POWER, 70V/100V , JBL, CONTROL 25AV	88728		88728		TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUAL S EQUIPMENTS
37	(412501) PROJECTOR 4000 ANSI LUMENS, WXGA(1280X800),LCD TECHNOLOGIES WIRELESS MAKE-PANASONIC PT.VW355ND	210666		210666		TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS, AUDIO VISUAL S EQUIPMENTS
38	(412502) DIGITAL LASER DISTANCE METER (80 METER RANGE)	8761		8761		LABORATORY TESTING AND METER TESTING EQUIPMENTS
39	(412502) PH METER TABLE MODEL 1010 ZEAL MAKE	9481		9481		LABORATORY TESTING AND METER TESTING EQUIPMENTS
40	(412502) DISSOLVED OXYGEN METER-811 (TABLE MODEL) ZEAL MAKE	11281		11281		LABORATORY TESTING AND METER TESTING EQUIPMENTS
41	(412502) DIGITAL WEIGHING SCALE 1MG SENSITIVITY AND 600 GM WEIGHING CAPACITY	47766		47766		LABORATORY TESTING AND METER TESTING EQUIPMENTS



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Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accural basis	Un-discharged Liability Included In col.3	Cash basis	IDC Included In col.3	
1	2	3	4	5=3-4	6	7
42	(412503) OIL FILLED RADIATOR/HEATER	32760		32760		MISC. ASSETS/EQUIPMENTS
43	(412503) HAND HELD TRUE RMS DIGITAL MULTIMETER, 1000 V DC, 750 V AC, CURRENT-10 AMP	41580		41580		MISC. ASSETS/EQUIPMENTS
44	(412503) HYDRAULIC CRIMPING TOOL, CRIMPING RANGE-50 SQ.MM-400 SQ. MM, WITH SUITABLE DIE SET	26370		26370		MISC. ASSETS/EQUIPMENTS
45	(412503) DIGITAL POWER QUALITY CLAMP METER, 2000A AC/DC/RMS WITH COLOR DISPLAY, AUTO RANGE SELECT	29670		29670		MISC. ASSETS/EQUIPMENTS
46	(412503) PHASE SEQUENCE METER, OPERATING VOLTAGE PHASE TO PHASE 500 V	40255		40255		MISC. ASSETS/EQUIPMENTS
47	(412503) LUX METER (FOR LIGHT CHECKING) RANGE 0 TO 50000 LUX	41876		41876		MISC. ASSETS/EQUIPMENTS
48	(412801) HEAT PILLAR DOUBLE ROD 1500/1600W	14220		14220		FIXED ASSETS OF MINOR VALUE >750<5000
49	(410714) 20" Butterfly Valve	753564		753564		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
50	(410714) 19" PANEL MOUNTED INDUSTRIAL COMPUTER	330750		330750		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
51	(412005) WEIGHING MACHINE	5358		5358		FIXED ASSETS OF MINOR VALUE >750<5000
52	(412801) MAX & MIN THERMOMETER RANGE 40 0C TO 50 0C MERCURY TYPE	1560		1560		FIXED ASSETS OF MINOR VALUE >750<5000
53	(412801) DIGITAL TYPE THERMOMETER MAXIMUM-MINIMUM	828		828		FIXED ASSETS OF MINOR VALUE >750<5000
54	ADJUSTMENT DUE TO IND AS IMPLEMENTATION	-564747		-564747		pls refer sl no. 65 of 2015-16
55	IUT - CO	43115		43115		
	Total	3718626		3718626		

2017-18

1	(411701) STEEL ALMIRAH	62720		62720		FURNITURE-FIXTURES-OFFICE
2	(411701) STORAGE WATER HEATER 25 LTRS	36176		36176		FURNITURE-FIXTURES-OFFICE
3	(411707) BARBER CHAIR	8024		8024		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
4	(411702) BED SIDE TABLE	92240		92240		FURNITURE-FIXTURES-RESIDENTIAL
5	(411707) BSA DUATRON EXERCISE AIR BIKE CX-001	10080		10080		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
6	(411707) COFFEE TABLE, MODEL GLOW, MAKE GODREJ	38952		38952		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
7	(411702) Diwan With Mattress	13500		13500		FURNITURE-FIXTURES-RESIDENTIAL
8	(411702) Sofa Set Five Seated	23500		23500		FURNITURE-FIXTURES-RESIDENTIAL
9	(411707) DEEP FREEZER	62600		62600		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
10	(411707) DINING TABLE	69954		69954		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
11	(411707) FLY INSECT KILLER	45600		45600		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
12	(411707) FLY TRAPPER/CATCHER ,PCI,SPIDER	33596		33596		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
13	(411707) COFFEE TABLE	62000		62000		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
14	(411707) GODREJ DOUBLE BED	230526		230526		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL



Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accural basis	Un-discharged Liability Included In col.3	Cash basis	IDC Included in col.3	
1	2	3	4	5=3-4	6	7
15	(411707) GODREJ ENDORA KING SIZE DOUBLE BED	281480		281480		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
16	(411707) SOFA 2 SEATER	103380		103380		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
17	(411707) SOFA 2 SEATER	147288		147288		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
18	(411707) MICRO WAVE OVEN,IFB,25 BC SDD1	16501		16501		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
19	(411707) PODIUM 10 MM THICK ACRYLIC SHEET SUPERIOR QUALITY, HEIGHT 4 FEET, WIDTH 2 FEET	16562		16562		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
20	(411707) PREMIUM BED SIDE TABLE	87300		87300		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
21	(411707) REFRIGERATOR,GODREJ,GDC110S 4.1	11000		11000		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
22	(411707) REFRIGERATOR,WHIRLPOOL,200 GENOUS CLS	12199		12199		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
23	(411707) SOFA SET- THREE SEATER	132828		132828		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
24	(411707) STORAGE WATER HEATER 25 LTRS	54264		54264		FURNITURE-FIXTURES FIELD HOSTEL/TRANSIT HOSTEL
25	(411707) TT TABLE	26001		26001		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
26	(411707) WASHING MACHINE,IFB,SDG 8 KG AQUA	29401		29401		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
27	(411801) COMPUTER ACER VERITON M200-Q170 INTEL CORE I7 PROCESSOR, 4GB RAM , 1 TB HDD 18.5" TFT WIN 10 PRO	1840920		1840920		COMPUTERS
28	(411801) HP LAPTOP PAVILION NOTE BOOK 15-AU627TX	86925		86925		COMPUTERS
29	(411801) HP PAVILION - BK002TX	86848		86848		COMPUTERS
30	(412008) 1.5 TON VOLTAS AC	20000		20000		AIR CONDITIONERS
31	(412008) 1.5TR WINDOW AC	135432		135432		AIR CONDITIONERS
32	(412008) SPLIT AC	189505		189505		AIR CONDITIONERS
33	(412020) HONOUR BOARD SIZE 4' X 2.5' WITH SUNMICA & WOODEN BEEDING & COMPUTER WRITING	19072		19072		OTHER OFFICE EQUIPMENTS
34	(412503) Almiraah Steel	9200		9200		MISC. ASSETS/EQUIPMENTS
35	(412801) Centre Table Glass Top	3800		3800		FIXED ASSETS OF MINOR VALUE >750<5000
36	(412801) GODREJ CHAIR CH 1112 (1901060181)	20124		20124		FIXED ASSETS OF MINOR VALUE >750<5000
37	(412801) JUICER, PHILIPS (HR7705)	4992		4992		FIXED ASSETS OF MINOR VALUE >750<5000
38	(412801) Mixer Grinder	4544		4544		FIXED ASSETS OF MINOR VALUE >750<5000
39	(412801) Mobile Hand Set	4850		4850		FIXED ASSETS OF MINOR VALUE >750<5000
40	(412801) MOBILE HANDSET LE-ECO (PRAKASH CHAND.C.F. - 101700V)	3500		3500		FIXED ASSETS OF MINOR VALUE >750<5000
41	(412801) PANASONIC CORDLESS PHONE	3500		3500		FIXED ASSETS OF MINOR VALUE >750<5000
42	(412801) STUDY TABLE (1903010741)	24582		24582		FIXED ASSETS OF MINOR VALUE >750<5000
43	(412801) TANDOOR	7840		7840		FIXED ASSETS OF MINOR VALUE >750<5000
44	(412501) DJ MIXER(10 CHANNEL, LED METER,4 MONO, 3 STEREO), MAKE: YAMAHA	19824		19824		MISC. ASSETS/EQUIPMENTS
45	(412501) 2-WAY,BI-AMP POWERED SPEAKER,BASS REFLEX TYPE, OIP POWER-1000W, MAKE: YAMAHA MODEL:DBR15	199184		199184		MISC. ASSETS/EQUIPMENTS
46	(412503) PA AMPLIFIER, 250W RMS/ 300W MAX, AHUJA MAKE, SSA-250DP	27100		27100		MISC. ASSETS/EQUIPMENTS



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Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accural basis	Un-discharged Liability Included In col.3	Cash basis	IDC Included In col.3	
1	2	3	4	5=3-4	6	7
47	(412503) HAND OPERATED CHAIN PULLEY BLOCK 3TON,3MTR	55371		55371		MISC. ASSETS/EQUIPMENTS
48	(412503) INDEF. HAND OPERATED CHAIN PULLEY BLOCK 7.5TON,5MTR	48605		48605		MISC. ASSETS/EQUIPMENTS
49	(412503) HYDRAULIC JACK 30 TON STROKE 6 SINGLE ACTING SPRING RETURN HOLLOW CYLINDER	180000		180000		MISC. ASSETS/EQUIPMENTS
50	(412503) HAND OPERATED CHAIN PULLEY BLOCK 10TON,5MTR	61653		61653		MISC. ASSETS/EQUIPMENTS
51	(412502) DIGITAL EARTH RESISTANCE TESTER 2000 OHM, 3.5 DIGIT LCD DISPLAY	111384		111384		LABORATORY TESTING AND METER TESTING EQUIPMENTS
52	(412502) EARTH RESISTANCE METER WITH ACCESSORIES, MAKE-SONEL POLEND MODEL-MRU30	120702		120702		LABORATORY TESTING AND METER TESTING EQUIPMENTS
53	(412502) DIGITAL INSULATION TESTER ,MULTIRANGE UPTO 10 KV , MAKE-SONEL-POLLAND, MODEL - MIC-10K1	295000		295000		LABORATORY TESTING AND METER TESTING EQUIPMENTS
54	(412801) PA RECTANGULAR HORN SPEAKERS 40W RMS, 16OHMS, AHUJA MAKE, SUH-40	14742		14742		FIXED ASSETS OF MINOR VALUE >750<5000
55	(412801) HEAT CONVECTOR	39540		39540		FIXED ASSETS OF MINOR VALUE >750<5000
56	(412801) PA RECTANGULAR HORN SPEAKERS 40W RMS, 16OHMS, AHUJA MAKE, SUH-40	3510		3510		FIXED ASSETS OF MINOR VALUE >750<5000
57	(412801) DOUBLE ROD HEAT PILLAR , 1500 WATTMAKE: GOPI	36696		36696		FIXED ASSETS OF MINOR VALUE >750<5000
58	(412502) PHASE SEQUENCE METER,OPERATING VOLTAGE PHASE TO PHASE 500 V	6002		6002		LABORATORY TESTING AND METER TESTING EQUIPMENTS
59	(412502) LUX METER (FOR LIGHT CHECKING) RANGE 0 TO 50000 LUX	8407		8407		LABORATORY TESTING AND METER TESTING EQUIPMENTS
60	(412502) HAND HELD TRUE RMS DIGITAL MULTIMETER, 1000 V DC, 750 V AC, CURRENT-10 AMP	35984		35984		LABORATORY TESTING AND METER TESTING EQUIPMENTS
61	(412502) TRUE RMS DIGITAL CLAMP METER, 0-600 V AC/DC, 400 AMP AC/DC BACKLIT DISPLAY 3 1/2 DIGIT	40912		40912		LABORATORY TESTING AND METER TESTING EQUIPMENTS
62	(412502) 3- 1/2 DIGITS SOUND LEVEL METER BACKLIT LCD,RANGE OF 35 TO 130 DB	27578		27578		LABORATORY TESTING AND METER TESTING EQUIPMENTS
63	(410714) INDUCTION MOTOR 5HP/3.7KW, 3 PHASE, 4 POLE FOOT MTD FOR BRAKE DUST COLLECTOR	15000		15000		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
64	(410714) 400KV NUMERICAL LINE PROTECTION RELAY	277351		277351		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
65	(410714) NUMERICAL GENERATOR PROTECTION RELAY FOR 13.8KV 200MVA GENERATOR	343675		343675		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
66	(410714) TURBINE SHAFT SLEEVE OF CHAMERA I	590000		590000		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
67	(412020) INVERTOR 2000VA WITH 2NOS BATTERY 12V 150AH, MAKE-ELNOVA, MODEL-ELV2000	40982		40982		OTHER OFFICE EQUIPMENTS
67	(410701) Main Generating Unlgt	3800293		3800293		Reversal against Arbitration Court Cases as per outcome of award, Assets capitalized in 2010-11 against Provision, now outcome of court come in favour of NHPC
68	IUT - CHAMERA-II	107927		107927		
	Total	10680728		10680728		



Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accrual basis	Un-discharged Liability Included In col.3	Cash basis	IDC Included in col.3	
1	2	3	4	5=3-4	6	7
2018-19						
1	(411707) STORAGE WATER HEATER 25 LTRS (9410011435)	92310		92310		FURNITURE-FIXTURES-FIELD HOSTEL/TRANSIT HOSTEL
2	(411801) MICROTOWER BUSINESS PC MAKE: HP, MODEL: 280 G3 (6301040571)	2265029		2265029		COMPUTERS
3	(411803) LASERJET PRINTER SIZE A4 PRINT,SCAN,COPY 30PPM - BROTHER/DCP-L2541DW (6305100121)	253110		253110		PRINTERS
4	(411903) KEY PHONE - (KTS) (6110150638)	14998		14998		INTERIOR COMMUNICATION EQUIPMENTS
5	(411903) FIXED CELLULAR TERMINAL (FCT) MAKE MATRIX MODEL SIMADO GFX - 11 (6110170024)	45000		45000		INTERIOR COMMUNICATION EQUIPMENTS
6	(411903) MATRIX ETERNITY GENX12SAC IP EPABX SYSTEM (64 EXT.), MAKE:	127735		127735		INTERIOR COMMUNICATION EQUIPMENTS
7	(411904) LENOVO K6 POWER 32 GB (6301040608) (9999900657)	17000		17000		MOBILE PHONES/CELLULAR PHONES
8	(411904) MOBILE PHONE - MAKE:- HONOR, MODEL:- A7 (6110170030) (9999900659)	9899		9899		MOBILE PHONES/CELLULAR PHONES
9	(411904) SAMSUNG GALAXY A8 PLUS (6110170023) (9999900656)	32850		32850		MOBILE PHONES/CELLULAR PHONES
10	(412008) SPLIT AC 1.5TON - MAKE- HITACHI MODEL NO-- RSC318HBDG (3312100194)	1615523		1615523		AIR CONDITIONERS
11	(412501) SONY TV 32 INCHES, MAKE:SONY MODEL: 32R202F (6108040018)	418000		418000		TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS,
12	(412501) SONY TV 50 INCHES, MAKE:SONY MODEL: 50W662F (6108030086)	64000		64000		TELEVISIONS/MUSIC SYSTEMS OTHER THAN FOR OFFICE, PROJECTORS,
13	(412503) WALL SUPPORTING ALUMINIUM LADDER SIZE-10 (5600100008)	24000		24000		MISC. ASSETS/EQUIPMENTS
14	(412503) ALUMINIUM LADDER, SELF SUPPORTING, FOLDING TYPE WITH PLATFORM AT TOP, 8 FEET (560100028)	19424		19424		MISC. ASSETS/EQUIPMENTS
15	(412503) WALL SUPPORTING ALUMINIUM LADDER SIZE-20 (5600100112)	41348		41348		MISC. ASSETS/EQUIPMENTS
16	(412503) PORTABLE WELDING MACHINE, POWER VOLTAGE : 180-380V FREQUENCY: 50 HZ, ELECTRA & MINI 200 (8701200001)	16279		16279		MISC. ASSETS/EQUIPMENTS
17	(412503) E-BILLING MACHINE- WEP BP2100 (8121030011)	27500		27500		MISC. ASSETS/EQUIPMENTS
18	(412801) AHUJA MIC STAND DGN (6107070085)	3300		3300		FIXED ASSETS OF MINOR VALUE >750<5000
19	(412801) Tata Sky Set Top Box Primary (9999900641)	16788		16788		FIXED ASSETS OF MINOR VALUE >750<5000
20	(412801) GAS BHATTI BIG WITH REGULATOR. (9401010030)	1551		1551		FIXED ASSETS OF MINOR VALUE >750<5000
21	(412801) WIRELESS ADSL BROADBAND MODEM TP-LINK, TD-W8901N (6309190078)	35400		35400		FIXED ASSETS OF MINOR VALUE >750<5000
22	(412801) MICROPHONE MODEL-AUD-101 XLR (6107070077)	9250		9250		FIXED ASSETS OF MINOR VALUE >750<5000
23	(412801) GAS BHATTI BIG WITH REGULATOR. (9999900682)	2100		2100		FIXED ASSETS OF MINOR VALUE >750<5000
24	(412801) Tata Sky Set Top Box Primary (9999900638)	8801		8801		FIXED ASSETS OF MINOR VALUE >750<5000
25	(412801) ANGEL GRINDER - MAKE- BOSCHMODEL NO-- GWS 6-125 (8530020005)	2988		2988		FIXED ASSETS OF MINOR VALUE >750<5000
26	(412801) FIBRE OPTIC - UTP MEDIA CONVERTER (GIGABIT SM-SC) WITH CONNECTOR (6309600172)	70800		70800		FIXED ASSETS OF MINOR VALUE >750<5000
27	(412801) WALL SUPPORTED ALUMINIUM LADDER, SINGLE STRAIGHT, WITHOUT HOOK, 6 FEET (560010016) (9999900630)	14796		14796		FIXED ASSETS OF MINOR VALUE >750<5000
28	(412801) DRAGON LIGHT WITH CHARGER (5940010019)	18745		18745		FIXED ASSETS OF MINOR VALUE >750<5000
29	(412801) MIXER GRINDER HEAVY DUTY 750 W - MAKE-HAVELLS, MODEL:MARATHON (9999900680)	7800		7800		FIXED ASSETS OF MINOR VALUE >750<5000
30	(412801) OPTICAL POWER METER (5205010026)	8968		8968		FIXED ASSETS OF MINOR VALUE >750<5000
31	(412801) MIXER GRINDER HEAVY DUTY 750 W - MAKE-HAVELLS, MODEL:MARATHON (9401100139)	4500		4500		FIXED ASSETS OF MINOR VALUE >750<5000



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Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accural basis	Un-discharged Liability Included In col.3	Cash basis	IDC Included In col.3	
1	2	3	4	5=3-4	6	7
32	(412801) PA DESKTOP MICROPHONE WIRELESS AWM-630VGAWM-490V1 MAKE AHUJA (6107070082)	13503		13503		FIXED ASSETS OF MINOR VALUE >750<5000
33	(410714) CURRENT TRANSFORMER, 12000/5 A, MEASURING CLASS CT (5001060063)	231537		231537		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
34	(410714) CURRENT TRANSFORMER, 6000/5 A, PROTECTION CLASS CT (5001060048)	466740		466740		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
35	(410714) CURRENT TRANSFORMER, 6000/2.5 A, PROTECTION CLASS CT (5001060054)	235212		235212		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
36	(410714) CURRENT TRANSFORMER, 12000/5 A, PROTECTION CLASS CT (5001060057)	477774		477774		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
37	(412503) POWER HACKSAW CUTTING MACHINE, MAKE: QUALITY MAKE TOOL CORP. & MODEL- QMT8 (8560150003)	206645		206645		MISC. ASSETS/EQUIPMENTS
38	412801) DOUBLE ROD HEAT PILLAR , 1500 WATTMAKE: GOPI (9410011445)	69846		69846		FIXED ASSETS OF MINOR VALUE >750<5000
39	(410714) 30KV, 20KVA LIGHTNING ARRESTOR WITH DISCHARGE COUNTER - LA: ELPRO, COUNTER: AREVA MODEL NO. 9L14BNHO	116820		116820		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
40	(410714) CENTRIFUGAL BLOWER 50HP, CAPACITY-72000 M ³ /HR-CALWIN MODEL CE-402 (3330010007)	499140		499140		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
41	(410714) HAND OPERATED HYDROSTATIC TEST PUMP UNIT, TANK CAPACITY - 12 LITRE (MIN), AMBIKA, AMPH-35 - 2 Nos.	31718		31718		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
42	(411112) .SUBMERSIBLE PUMP 2 HP, MAKE- BS , MODEL NO-- J42	20720		20720		PUMPS
43	(410714) SCREW COMPRESSOR UNIT CAP. 90CFM WORKING PR. 13KG/CM3 WITH AIR DRIER AND REC. - KIRLOSKAR/KES22-13 (471060002)	627406		627406		CAPITAL SPARES-GENERATING PLANT AND MACHINERY
	Total	8286853		8286853		

Note:

1. Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..
2. For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Statement of Capital Cost
(To be given for relevant dates and year wise)

Name of the Petitioner : NHPC Limited

Name of the Generating Station : Chamera-I Power Station

(Amount in Lakhs)

Sl. No.	Particulars	As on relevant date ¹
A	a) Opening Gross Block amount As per books	
	b) Amount of Capital liabilities in A(a) above	
	c) Amount of IDC in A(a) above	
	d) Amount of FC in A(a) above	
	e) Amount of FERV in A(a) above	
	f) Amount of Hedging Cost in A(a) above	
	g) Amount of IEDC in A(a) above	
B	a) Addition in Gross Block amount during the period (Direct purchases)	
	b) Amount of Capital liabilities in B(a) above	
	c) Amount of IDC in B(a) above	
	d) Amount of FC in B(a) above	
	e) Amount of FERV in B(a) above	
	f) Amount of Hedging Cost in B(a) above	
	g) Amount of IEDC in B(a) above	
C	a) Addition in Gross Block amount during the period (Transfer from CWIP)	
	b) Amount of Capital liabilities in C(a) above	
	c) Amount of IDC in C(a) above	
	d) Amount of FC in C(a) above	
	e) Amount of FERV in C(a) above	
	f) Amount of Hedging Cost in C(a) above	
	g) Amount of IEDC in C(a) above	
D	a) Deletion in Gross Block Amount during the period	
	b) Amount of Capital liabilities in D(a) above	
	c) Amount of IDC in D(a) above	
	d) Amount of FC in D(a) above	
	e) Amount of FERV in D(a) above	
	f) Amount of Hedging Cost in D(a) above	
	g) Amount of IEDC in D(a) above	
E	a) Closing Gross Block amount As per books	
	b) Amount of Capital liabilities in E(a) above	
	c) Amount of IDC in E(a) above	
	d) Amount of FC in E(a) above	
	e) Amount of FERV in E(a) above	
	f) Amount of Hedging Cost in E(a) above	
	g) Amount of IEDC in E(a) above	

NOT APPLICABLE

Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(Signature)
(M G Gokhale)
General Manager (CommI.)

Statement of Capital Woks in Progress

(To be given for the relevant dates and year wise)

Name of the Petitioner : NHPC Limited**Name of the Generating Station : Chamera-I Power Station**

(Amount In Rs. Lakhs)

Sl. No.	Particulars	As on relevant date ¹
A	a) Opening CWIP As per books	
	b) Amount of Capital liabilities in A(a) above	
	c) Amount of IDC in A(a) above	
	d) Amount of FC in A(a) above	
	e) Amount of FERV in A(a) above	
	f) Amount of Hedging Cost in A(a) above	
	g) Amount of IEDC in A(a) above	
B	a) Addition in CWIP during the period	
	b) Amount of Capital liabilities in B(a) above	
	c) Amount of IDC in B(a) above	
	d) Amount of FC in B(a) above	
	e) Amount of FERV in B(a) above	
	f) Amount of Hedging Cost in B(a) above	
	g) Amount of IEDC in B(a) above	
C	a) Transferred to Gross Block Amount during the period	
	b) Amount of Capital liabilities in C(a) above	
	c) Amount of IDC in C(a) above	
	d) Amount of FC in C(a) above	
	e) Amount of FERV in C(a) above	
	f) Amount of Hedging Cost in C(a) above	
	g) Amount of IEDC in C(a) above	
D	a) Deletion in CWIP during the period	
	b) Amount of Capital liabilities in D(a) above	
	c) Amount of IDC in D(a) above	
	d) Amount of FC in D(a) above	
	e) Amount of FERV in D(a) above	
	f) Amount of Hedging Cost in D(a) above	
	g) Amount of IEDC in D(a) above	
E	a) Closing CWIP as per books	
	b) Amount of Capital liabilities in E(a) above	
	c) Amount of IDC in E(a) above	
	d) Amount of FC in E(a) above	
	e) Amount of FERV in E(a) above	
	f) Amount of Hedging Cost in E(a) above	
	g) Amount of IEDC in E(a) above	

NOT APPLICABLE**Note:**

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date.

**For Arora Vohra & Co.
Chartered Accountants****For NHPC Limited**

**(M G Gokhale)
General Manager (Comml.)**

Financing of Additional Capitalisation

Name of the Petitioner : NHPC Limited
 Name of the Generating Station : Chamera-I Power Station
 Date of Commercial Operation : 01.05.1994

(Amount in Rs. Lakhs)

Financial Year (Starting from COD) ¹	Actual / projected					Admitted				
	2014-15	2015-16	2016-17	2017-18	2018-19	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7	8	9	10	11
Amount capitalised In Work / Equipment	568.67	491.06	186.33	643.30	1,912.79					
Financing Details										
Loan-1										
Loan-2										
Loan-3 and so on										
Total Loan ²										
Equity										
Internal Resources	568.67	491.06	186.33	643.30	1,912.79					
Others (Pl. specify)										
Total	568.67	491.06	186.33	643.30	1,912.79					

Note:

1 Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.

2 Loan details for meeting the additional capitalisation requirement should be given as per FORM-7 or 8 whichever is relevant.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comm.)

Calculation of Depreciation

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

(Amount in ₹ Lakhs)

Sl. No.	Name of the Assets ¹	Gross Block as on 31.03.2014 or as on COD, whichever is later and subsequently for each year thereafter up to 31.03.2019	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.2019
	1	2	3	4 = Col.2 X Col.3
1	Land*			
5	Buildings			
6	and so on			
7				
8				
9				
10		Power station has completed 12 years of commercial operation in FY 2009-10, therefore, depreciation rate is not applicable.		
11				
12				
13				
14				
15				
	TOTAL			
	Weighted Average Depreciation Rate (%) of depreciation			

* Provide details of Freehold Land, Leasehold Land and Land under reservoir separately

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited



 (M G Gokhale)
 General Manager (Comml.)

Statement of Depreciation

Name of the Petitioner :
Name of the Generating Station :

NHPC Limited
Chamera-I Power Station

(Amount in ₹ Lakh)

Sl. No.	Particulars	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2		3	4	5	6	7
1	Opening Capital Cost	204277.93	204,415.75	204,984.42	205,475.48	205,661.81	206,305.11
2	Closing Capital Cost	204415.75	204,984.42	205,475.48	205,661.81	206,305.11	208,217.90
3	Average Capital Cost	204346.84	204,700.09	205,229.95	205,568.65	205,983.46	207,261.50
4	Freehold land	3910.57	3910.57	3910.57	3910.57	3910.57	3910.57
	Land under reservoir & land lease hold	1405.72	1405.72	1405.72	1405.72	1405.72	1405.72
5	Rate of depreciation	NA	NA	NA	NA	NA	NA
6	Depreciable value	181,657.79	181,975.71	182,452.59	182,757.42	183,130.75	184,280.99
7	Balance useful life at the beginning of the period	16.08	15.08	14.08	13.08	12.08	11.08
8	Remaining depreciable value	67,562.05	63,689.97	59,952.41	56,038.66	52,167.35	49,016.58
9	Depreciation (for the period)	4,200.73	4,222.52	4,256.96	4,283.19	4,317.27	4,422.52
10	Depreciation (annualised)						
11	Cumulative depreciation at the end of the period	118,296.47	122,508.27	126,757.14	131,001.94	135,280.67	139,686.93
12	Less : Cumulative depreciation adjustment on account of de-capitalisation (Refer Form-9B(i))	10.72	8.09	38.38	38.54	16.27	636.43
13	Net Cumulative depreciation at the end of the period	118,285.75	122,500.18	126,718.75	130,963.40	135,264.41	139,050.50

Note:

1. In case of details of FERV and AAD, give information for the applicable period.

Note: Remaining depreciable value during FY 2013-14 has been considered as per order dated 04.12.2015 in petition no. 237/GT2014

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Calculation of Weighted Average Rate of Interest on Actual Loans¹

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Chamera-I Power Station

(Amount in ₹ Lakh)

Particulars	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Loan-1						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Loan-2						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Loan-3 and so on						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Total Loan						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Interest on loan						
Weighted average Rate of Interest on Loans						

Note:

1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculation in Original currency is also to be furnished separately in the same form.

* All the project specific loans & corporate loans allocated to Chamera-I power station has been settled prior to 31.03.2014, therefore in terms of Regulations 26(5) of CERC (Terms & Conditions of Tariff) Regulations, 2014, weighted average rate of interest has been calculated in **Appendix to Form-13**.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Calculation of Interest on Normative Loan

Name of the Petitioner : **NHPC Limited**
 Name of the Generating Station : **Chamera-I Power Station**

(Amount in ₹ Lakh)

Sl. No.	Particulars	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Gross Normative loan - Opening	140,954.24	141,050.71	141,448.79	141,792.53	141,922.96	142,373.26
2	Cumulative repayment of Normative loan upto previous year	140,954.24	141,050.71	141,448.79	141,792.53	141,922.96	142,373.26
3	Net Normative loan - Opening	0.00	0.00	0.00	0.00	0.00	0.00
4	Add : Increase due to addition during the year / period	96.47	276.60	386.03	172.79	451.78	1939.66
5	Less : Decrease due to de-capitalisation during the year / period		9.47	43.55	42.36	17.36	664.06
6	Less : Decrease due to reversal during the year / period		0.00	0.00	0.00	0.00	0.00
7	Add : Increase due to discharges during the year / period		130.95	1.27	0.00	15.89	63.36
	Less : Repayment during the year	96.47	398.07	343.74	130.43	450.31	1338.95
8	Net Normative loan - Closing	0.00	0.00	0.00	0.00	0.00	0.00
9	Average Normative loan	0.00	0.00	0.00	0.00	0.00	0.00
10	Weighted average rate of interest	7.62%	8.55%	8.69%	8.49%	8.11%	7.77%
11	Interest on Loan	0.00	0.00	0.00	0.00	0.00	0.00

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Calculation of Interest on Working Capital

Name of the Petitioner : **NHPC Limited**
 Name of the Generating Station : **Chamera-I Power Station**

(Amount in ₹ Lakh)

Sl. No.	Particulars	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7	8
1	O & M Expenses	926.28	888.75	947.79	1,010.77	1,077.92	1,149.54
2	Maintenance Spares	1,667.30	1,599.74	1,706.03	1,819.38	1,940.26	2,069.17
3	Receivables	49.09.83	4,877.15	5,018.88	5,141.78	5,309.12	5,501.10
4	Total Working Capital	7,503.40	7,365.63	7,672.71	7,971.92	8,327.30	8,719.81
5	Rate of Interest	12.25%	13.50%	13.50%	13.50%	13.50%	13.50%
6	Interest on Working Capital	919.17	994.36	1,035.82	1,076.21	1,124.18	1,177.17

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


 (M G Gokhale)
 General Manager (Comml.)

Other Income as on actual / anticipated COD

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Chamera-I Power Station

(Amount in ₹ Lakh)

Sl. No.	Particulars	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7	8
1	Interest on Loans and advance						
2	Interest received on deposits		NOT APPLICABLE				
3	Income from Investment						
4	Income from sale of scrap						
5	Rebate for timely payment						
6	Surcharge on late payment from beneficiaries						
7	Rent from residential building						
8	Misc. receipts (Please Specify details)						
...	...						
...	...						

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Incidental Expenditure during Construction

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

(Amount in ₹ Lakh)

Sl. No.	Particulars	Up to Schedule COD	Upto actual / anticipated COD	
1	2	7	8	
A	Expenses:			
1	Employees' Benefits Expenses			
2	Finance Costs			
3	Water Charges			
4	Communication Expenses	NOT APPLICABLE		
5	Power Charges			
6	Other Office and Administrative Expenses			
7	Others (Please Specify Details)			
8	Other pre-Operating Expenses			
			
B	Total Expenses			
	Less: Income from sale of tender			
	Less: Income from guest house			
	Less: Income recovered from Contractors			
	Less: Interest on Deposits			
			

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Name of the Petitioner : NHPC Limited
 Name of the Generating Station : Chamera-I Power Station

Draw Down Schedule for Calculation of IDC & Financing Charges

Sl. No.	Draw Down Particulars	Quarter 1			Quarter 2			Quarter n (COD)		
		Quantum In Foreign currency	Exchange Rate on draw down date	Amount In Indian Rupee (Rs Lakh)	Quantum In Foreign currency	Exchange Rate on draw down date	Amount In Indian Rupee (Rs Lakh)	Quantum In Foreign currency	Exchange Rate on draw down date	Amount In Indian Rupee (Rs Lakh)
1	Loans									
1.1	Foreign Loan									
1.1.1	Foreign Loan ¹									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.2	Foreign Loan ²									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.3	Foreign Loan ³									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.4									
									
									
1.1	Total Foreign Loan									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.2	Indian Loans									
1.2.1	Indian Loan ¹									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.2	Indian Loan ²									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.3	Indian Loan ³									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.4									
									
									
1.2	Total Indian Loans									
	Draw down Amount									
	IDC									
	Financing charges									
1	Total Loans drawn									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
2	Equity									
2.1	Foreign equity drawn									
2.2	Indian equity drawn									
	Total equity deployed									

NOT APPLICABLE

- Note:**
1. Drawal of debt and equity shall be on paripassu basis quarter wise to meet the commissioning schedule. Drawal of higher equity in the beginning is permissible.
 2. Applicable interest rates including reset dates used for above computation may be furnished separately.
 3. In case of multi unit project details of capitalisation ratio used to be furnished.
 4. Detailed calculation of IDC (Actual drawl and repayment dates and amount, rates of interest, etc.) should be furnished.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comm.)

Actual cash expenditure

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Chamera-I Power Station

(Amount in ₹ Lakh)

	Quarter-I	Quarter-II	Quarter-III	Quarter-n (COD)
Payment to contractors/suppliers	NOT APPLICABLE			
% of fund deployment				

Note: If there is variation between payment and fund deployment justification need to be furnished.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited




(M G Gokhale)
General Manager (Comml.)

Design energy and peaking capability (monthwise) - ROR with Pondage / Storage type new stations

Generating Company : NHPC LTD.
 Name of Hydro-electric Generating Station : Chamera-I Power Station
 Installed Capacity : 3 X 180 MW = 540 MW

Month		Design Energy* (MUs)	Designed Peaking Capability (MW)*
April	I	21.08	540
	II	25.57	
	III	99.02	
May	I	57.17	
	II	54.85	
	III	184.54	
June	I	56.00	
	II	65.20	
	III	183.46	
July	I	93.71	
	II	80.81	
	III	279.62	
August	I	105.53	
	II	116.20	
	III	340.25	
September	I	71.66	
	II	54.33	
	III	168.17	
October	I	34.82	
	II	30.05	
	III	96.93	
November	I	24.01	
	II	20.96	
	III	65.91	
December	I	16.11	
	II	20.89	
	III	59.93	22.93
January	I	20.82	
	II	20.78	
	III	64.45	22.85
February	I	20.79	
	II	20.72	
	III	58.13	16.62
March	I	20.03	
	II	20.89	
	III	64.15	23.22
Total		1664.55	

* As per DPR / TEC of CEA dated

Note:

Specify the number of peaking hours for which station has been designed. - Not less than three hours.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comm.)

Design Energy and MW Continuous (month-wise) - ROR type stations

Generating Company: NHPC Limited

Name of Hydro - electric Station: Chamera-I Power Station

Installed Capacity: No. of units x MW = 3 X 180 MW

Month	Design Energy * (MUs)	MW continuous*
April	I	Not Applicable
	II	
	III	
May	I	
	II	
	III	
June	I	
	II	
	III	
July	I	
	II	
	III	
August	I	
	II	
	III	
September	I	
	II	
	III	
October	I	
	II	
	III	
November	I	
	II	
	III	
December	I	
	II	
	III	
January	I	
	II	
	III	
February	I	
	II	
	III	
March	I	
	II	
	III	
TOTAL		

* As per DPR/TEC of CEA dated.....

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited

(Signature)
**(M G Gokhale)
General Manager (Comml.)**

Liability Flow Statement

Name of the Petitioner:
Name of the Generating Station:NHPC Limited
Chamera-4 Power Station

(₹ In lakh)

Party	Asset / Work	Year of actual capitalisation	Original Liability	Liability as on 31.03.2014	2014-15		Liability as on 31.03.2015	2015-16		Liability as on 31.03.2016	2016-17		Liability as on 31.03.2017	2017-18		Liability as on 31.03.2018	2018-19		Liability as on 31.03.2019
					Discharges	Reversal		Discharges	Reversal		Discharges	Reversal		Discharges	Reversal				
Roshan Lal Pandita	Replacement of temporary B-type quarter with the new 32 nos. B-type quarters at upper simblue	2013-14	70,000	70,000	70,000	0	0			0					0				0
Roshan Lal Pandita	Construction of Boundary wall of 20 B type quarter	2014-15	180,956	0	0	0	180,956	180,956	0	0					0				0
Transasia Bio Medicals	Hospital Equipment: - Fully Automated Bio-chemistry Analysis, Automated Hematology	2016-17	151,725				0			0			151,725	151,725	0	0			0
Associated Electricals (GZB) Private Limited	Distribution Transformer 250 KVA	2016-17	232,438				0			0			232,438	232,438	0	0			0
AIMIL Limited	XY Co-Ordinator (Auto pendulum readout unit)	2016-17	1,592,250				0			0			1,592,250	1,592,250	0	0			0
Interface device & Service	Tempreture Recorder and Monitoring System	2016-17	293,670				0			0			293,670	293,670	0	0			0
Ess Enn Hydro Suppliers	Fire Extinguishers 4.5KG and 9 KG	2017-18	29,248				0			0					0	29,248	29,248		0
Shikhar Infotel	Addition of OFC Network and Wireless Connectivity of LAN at CPS-I	2017-18	190,618				0			0					0	190,618	190,618		0
Tractors India Pvt. Ltd.	Wheel Loaders 2.5 M3	2017-18	2,679,995				0			0					0	2,679,995	2,679,995		0
Ajay Kumar Mahajan	Executive Field Hostel	2017-18	2,239,842				0			0					0	2,239,842	2,239,842		0
AMP Techno Services	Karl Fischer Coulometer	2017-18	110,751				0			0					0	110,751	110,751		0
Interface device & Service	Digital Panel Meter with Monitoring software and Communication	2017-18	52,868				0			0					0	52,868			52,868
BEML Limited	Loader cum Excavator	2018-19	223,871				0			0					0				223,871
Omega Elevators	Elevator for Power House and Dam	2018-19	1,351,928				0			0					0				1,351,928
Siemens, BHEL and GE Power India Limited	Construction of Shunt Reactor Foundation in Switchyard	2018-19	12,188,993				0			0					0				12,188,993



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Party	Asset / Work	Year of actual capitalisation	Original Liability	Liability as on 31.03.2014	2014-15		Liability as on 31.03.2015	2015-16		Liability as on 31.03.2016	2016-17		Liability as on 31.03.2017	2017-18		Liability as on 31.03.2018	2018-19		Liability as on 31.03.2019	
					Discharges	Reversal		Discharges	Reversal		Discharges	Reversal		Discharges	Reversal		Discharges	Reversal		
Sriram Envirotech	Construction of Executive Field Hostel - Sewage Treatment Plant	2018-19	102,850				0			0						0				102,850
Kuldeep Raj Sharma	Construction of Executive Field Hostel - Sewage Treatment Plant	2018-19	131,157				0			0						0				131,157
GE Power India Limited	Digital Excitation System	2018-19	43,126,311				0			0						0				43,126,311
Roxel India Private Limited	Digital Water Level Sensor and TRL measurement system with	2018-19	144,527				0			0						0				144,527
Total			65,093,998	70,000	70,000	0	180,956	180,956	0	0	0	0	2,270,083	2,270,083	0	5,303,322	5,250,454	0	57,322,505	
Liabilities against provision made during 2010-11																				
HCC	Building containing GPM	2010-11	22,388,512	22,388,512	18,636,890	52,067,500	0			0			0			0				0
HCC	Building containing GPM	2010-11	17,473,799	17,473,799																
HCC	Power Tunnels and Pipelines	2010-11	21,811,488	21,811,488																
HCC	Power Tunnels and Pipelines	2010-11	9,026,201	9,026,201																
CCL	Power Tunnels and Pipelines	2010-11	16,000,000	16,000,000			16,000,000			16,000,000			16,000,000			16,000,000			16,000,000	0
CCL	Power Tunnels and Pipelines	2010-11	11,305,338	11,305,338			11,305,338			11,305,338			11,305,338			11,305,338				11,305,338
CCL	Power Tunnels and Pipelines	2010-11	41,800,000	41,800,000			41,800,000			41,800,000			41,800,000			41,800,000		25,847,724		15,952,276
CCL	Power Tunnels and Pipelines	2010-11	23,254,786	23,254,786			23,254,786			23,254,786			23,254,786			23,254,786				23,254,786
CCL	Tailrace Tunnels	2010-11	18,688,414	18,688,414			18,688,414			18,688,414			18,688,414			18,688,414				18,688,414
CCL	Tailrace Tunnels	2010-11	36,900,000	36,900,000			36,900,000			36,900,000			36,900,000			36,900,000		35,024,111		1,875,889
CCL	Tailrace Tunnels	2010-11	18,836,468	18,836,468			18,836,468			18,836,468			18,836,468			18,836,468				18,836,468
GEMIL	Main GPM	2010-11	68,923,175	68,923,175			68,923,175			68,923,175			68,923,175	65,122,882		3,800,293	3,800,293			0
JAI PRAKASH	Dams and Barrages	2010-11	103,500,000	103,500,000			103,500,000			103,500,000			103,500,000			103,500,000				103,500,000
JAI PRAKASH	Dams and Barrages	2010-11	21,100,000	21,100,000			21,100,000			21,100,000			21,100,000			21,100,000				21,100,000
Total			431,008,181	431,008,181	18,636,890	52,067,500	360,308,181	0	0	360,308,181	0	0	360,308,181	0	65,122,882	295,185,299	3,800,293	76,871,835	214,513,171	



Party	Asset / Work	Year of actual capitalization	Original Liability	Liability as on 31.03.2014	2014-15		Liability as on 31.03.2015	2015-16		Liability as on 31.03.2016	2016-17		Liability as on 31.03.2017	2017-18		Liability as on 31.03.2018	2018-19		Liability as on 31.03.2019
					Discharge	Reversal		Discharge	Reversal		Discharge	Reversal		Discharge	Reversal		Discharge	Reversal	

Discharged during 2014-15	=	18,706,890
Discharged during 2015-16	=	180,956
Discharged during 2016-17	=	0
Discharged during 2017-18	=	2,270,083
Discharged during 2018-19	=	9,050,747

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comm.)

ANNEX-II

Summary of Tariff

Name of the Petitioner : NHPC LIMITED

Name of the Generating Station : Chamera-I Power Station

Place (Region / District / State) : Northern / Chamba / Himachal Pradesh

(Rs. Lakh)

Sl. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1.1	Depreciation	4,422.52	3,084.71	3,167.95	3,262.35	3,326.97	3,357.98
1.2	Interest on Loan	0.00	0.00	0.00	0.00	0.00	0.00
1.3	Return on Equity ¹	13,612.45	12,925.28	13,001.75	13,071.85	13,104.55	13,119.85
1.4	Interest on Working Capital	1,177.17	868.29	900.45	934.11	968.22	1,003.10
1.5	O & M Expenses	13,794.46	13,355.12	13,991.76	14,658.74	15,357.52	16,089.60
	Total AFC	33,006.61	30,233.40	31,061.91	31,927.04	32,757.25	33,570.52

Note

1. Tariff petition for the period 2019-24 is based on projected expenditures approved by Board of Directors during 427th board meeting held on 17.09.2019.

For Arora Vohra & Co.
Chartered Accountants
FRN No.-009847N

Partner : A.K. Aggarwal
M. No. 013833
UDIN: 19013833AAAAES5293

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Name of the Petitioner : NHPC LIMITED
Name of the Generating Station : Chamera-I Power Station
Place (Region / District / State) : Northern / Chamba / Himachal Pradesh

FORM-1(I)

Statement showing claimed capital cost-(A+B)

(Rs. Lakh)

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	208,217.90	209,188.13	210,802.65	211,896.84	212,433.50
2	Add : Addition during the year / period	232.32	1,637.87	1,161.28	560.30	207.15
3	Less : De-capitalisation during the year / period	13.59	23.35	67.09	23.64	17.62
4	Less : Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add : Discharges during the year / period	751.51	0.00	0.00	0.00	0.00
6	Closing Capital Cost	209,188.13	210,802.65	211,896.84	212,433.50	212,623.03
7	Average Capital Cost	208,703.01	209,995.39	211,349.75	212,165.17	212,528.27

Statement showing claimed capital cost eligible for RoE at normal rate (A)

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	208,217.90	209,160.23	210,735.08	211,155.49	211,326.15
2	Add : Addition during the year / period	204.42	1,598.20	487.50	194.30	157.70
3	Less : De-capitalisation during the year / period	13.59	23.35	67.09	23.64	17.62
4	Less : Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add : Discharges during the year / period	751.51	0.00	0.00	0.00	0.00
6	Closing Capital Cost	209,160.23	210,735.08	211,155.49	211,326.15	211,466.23
7	Average Capital Cost	208,689.06	209,947.66	210,945.29	211,240.82	211,396.19

Statement showing claimed capital cost eligible for RoE at Weighted average rate of interest on actual loan portfolio (B)

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Opening Capital Cost	0.00	27.90	67.57	741.35	1,107.35
2	Add : Addition during the year / period	27.90	39.67	673.78	366.00	49.45
3	Less : De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
4	Less : Reversal during the year / period	0.00	0.00	0.00	0.00	0.00
5	Add : Discharges during the year / period	0.00	0.00	0.00	0.00	0.00
6	Closing Capital Cost	27.90	67.57	741.35	1,107.35	1,156.80
7	Average Capital Cost	13.95	47.74	404.46	924.35	1,132.08

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited

M G Gokhale)
General Manager (Comm.)



Name of the Petitioner : NHPC LIMITED

Name of the Generating Station : Chamera-I Power Station

Place (Region / District / State) : Northern / Chamba / Himachal Pradesh

Statement showing Return on Equity at Normal Rate

(Rs. in Lakh)

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Gross Opening Equity (Normal)	64,505.68	64,788.38	65,260.84	65,386.96	65,438.16
2	Less:Adjustment in Equity	0.00	0.00	0.00	0.00	0.00
3	Adjustment during the year	0.00	0.00	0.00	0.00	0.00
4	Net Opening Equity (Normal)	64,505.68	64,788.38	65,260.84	65,386.96	65,438.16
5	Add : Increase in equity due to addition during the year/period	61.33	479.46	146.25	58.29	47.31
6	Less : Decrease due to de-capitilization during the year/period	4.08	7.01	20.13	7.09	5.29
7	Less:Decrease due to reversal during the year/period	0.00	0.00	0.00	0.00	0.00
8	Add: Increase due to discharge during the year/period	225.45	0.00	0.00	0.00	0.00
9	Net closing Equity(Normal)	64,788.38	65,260.84	65,386.96	65,438.16	65,480.18
10	Average Equity (Normal)	64,647.03	65,024.61	65,323.90	65,412.56	65,459.17
11	Rate of ROE	19.993%	19.993%	19.993%	19.993%	19.993%
12	Total ROE	12924.88	13000.37	13060.21	13077.93	13087.25

Statement showing Return on Equity at Weighted Average Rate of Interest on Actual Loan Portfolio

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Gross Opening Equity [pertaining to Proviso to Regulation 30(2)]	0.00	8.37	20.27	222.41	332.21
2	Less:Adjustment in Equity	0.00	0.00	0.00	0.00	0.00
3	Adjustment during the year	0.00	0.00	0.00	0.00	0.00
4	Net Opening Equity (Normal)	0.00	8.37	20.27	222.41	332.21
5	Add : Increase in equity due to addition during the year/period	8.37	11.90	202.13	109.80	14.84
6	Less : Decrease due to de-capitilization during the year/period	0.00	0.00	0.00	0.00	0.00
7	Less:Decrease due to reversal during the year/period	0.00	0.00	0.00	0.00	0.00
8	Add: Increase due to discharge during the year/period	0.00	0.00	0.00	0.00	0.00
9	Net closing Equity [pertaining to Proviso to Regulation 30(2)]	8.37	20.27	222.41	332.21	347.04
10	Average Equity [pertaining to Proviso to Regulation 30(2)]	4.19	14.32	121.34	277.31	339.62
11	Rate of ROE (weighted average rate of interest on actual loan portfolio)	9.597%	9.597%	9.597%	9.597%	9.597%
12	Total ROE	0.40	1.37	11.64	26.61	32.59

Note: 1. Adjustment of equity as per Proviso to Regulation 18(3) of 2019 Tariff Regulations**Note:** 2. With respect to Equity infusion, the Generating Company is required to substantiate with supporting documents such as board resolution, balance sheet/ reconciliation statement with balance sheet.For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited


M G Gokhale
 General Manager (Comm.)

Details of COD, Type of hydro station, Normative Annual Plant Availability Factor(NAPAF) & Other normative parameters considered for tariff calculation

Name of the Petitioner : NHPC LIMITED

Name of the Generating Station : Chamera-I Power Station

Sl. No.	Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8	9
1	Installed Capacity	MW	540	540				
2	Free power to home state	%	12	12				
3	Free power under Local Area Development Fund (LADAF)	%	NA	NA				
4	Date of commercial operation							
	Unit-1		01.05.1994	01.05.1994				
	Unit-2		-do-	-do-				
	Unit-3		-do-	-do-				
5	Type of Station							
	a) Surface / underground		Underground	Underground				
	b) Purely ROR / Pondage/ Storage		Pondage	Pondage				
	c) Peaking / non-peaking		Peaking	Peaking				
	d) No. of hours of peaking		Not less than three hours	Not less than three hours				
	e) Overload capacity (MW) & period		10% when up to two machines are under operation and 5% for short time (meant for FGMO) when all the three machines are running at 0.9 p.f and frequency 50 Hz.	10% when up to two machines are under operation and 5% for short time (meant for FGMO) when all the three machines are running at 0.9 p.f and frequency 50 Hz.				
6	Type of excitation							
	a) Rotating exciters on generator							
	b) Static excitation		Static	Static				
7	Design Energy (Annual) ¹	Gwh	1664.56	1664.56				
8	Auxiliary Consumption including Transformation losses	%	1.2	1.2				
9	Normative Annual Plant Availability Factor (NAPAF)	%	90	90				
9.1	Maintenance Spares for WC	% of O&M	15	15				
9.2	Receivables for WC	in Months	2	1.5				
9.3	Base Rate of Return on Equity	%	16.50%	16.50%				
9.4	Base Rate of Return on Equity on Add. Capitalization		7.77%	7.92%				
9.5	Tax Rate ²	%	21.549%	17.472%				
9.6	Effective Tax Rate ⁴	%	22.157%	17.472%				
9.7	Bank Rate (MCLR) + base points as on 01.04.2019 ³	%	13.50%	12.05%				

- Month wise 10-day Design energy figures to be given separately with the petition.
- Tax rate applicable to the company for the year FY 2018-19 should also be furnished.
- Mention relevant date
- Effective tax rate is to be computed in accordance with Regulation 31 i.e. actual tax (or advance tax) / gross income, where gross income refers the profit before tax.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


M G Gokhale
General Manager (Comml.)

SALIENT FEATURES OF HYDROELECTRIC PROJECT

NAME OF COMPANY : NHPC LTD.
NAME OF POWER STATION : Chamera-I Power Station

1. Location	
State/Distt.	Himachal Pradesh, Distt.: Chamba
River	Ravi
2. Diversion Tunnel	
Size, shape	Horse shoe, 10.7 m dia
Length (M)	490 m length
3. Dam	
Type	Concrete arch gravity
Maximum dam height (M)	121 m (above River bed)
4. Spillway	
Type	Ogee Type
Crest level of spillway (M)	730 m
5. Reservoir	
Full Reservoir Level (FRL) (M)	760 m
Minimum Draw Down Level (MDDL) (M)	748.75 m
Live storage (MCM)	98.28 MCM
6. Desilting Chamber	
Type	Not applicable
Number and Size	
Particle size to be removed (mm)	
7. Head Race Tunnel	
Size and type	9.5 m dia, Horse shoe
Length (M)	6414 m
Design discharge (Cumecs)	350 cubic mtr/sec
8. Surge Shaft	
Type	Restricted orifice
Diameter (M)	25 m
Height (M)	84 m
9. Penstock/Pressure Shaft	
Type	Pressure shaft
Diameter & Length (M)	Circular Underground Vertical 8.5m X 157m
10. Power House	
Installed capacity (No. of units x MW)	3x180 MW
Type of turbine	Francis Vertical
Rated Head (M)	185
Rated Discharge (Cumecs)	117 cumecs per unit
Head at Full Reservoir Level (M)	207
Head at Minimum Draw down Level (M)	197.65
MW Capability at FRL	540
MW Capability at MDDL	540
11. Tail Race Tunnel	
Diameter (M), shape	9.5m, Horse shoe shape
Length (M)	2447m
Minimum tail water level (M)	551.10 m
12. Switchyard	
Type of Switch gear	GIS
No. of generator bays	3
No. of Bus coupler bays	1
No. of line bays	3

Note : Specify limitation on generation during specific time period(s) on account of restrictions on water use due to irrigation, drinking water, industrial, environmental considerations etc.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

Details of Foreign loans

(Details only in respect of loans applicable to the project under petition)

Name of the Petitioner
Name of the Generating Station
Exchange Rate at COD
Exchange Rate as on 31.03.2019

NHPC Limited
Chamera-I Power Station

Sl.	Financial Year (Starting from COD)	Year 1				Year 2				Year 3 and so on			
		3	4	5	6	7	8	9	10	11	12	13	14
1	2	Date	Amount (Foregin Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregin Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)
	Currency1¹												
A	1 At the date of Drawl ²												
	2 Scheduled repayment date of principal												
	3 Scheduled payment date of interest												
	4 At the end of Financial year												
B	In case of Hedging ³												
	1 At the date of hedging												
	2 Period of hedging												
	3 Cost of hedging												
	Currency2¹												
A	1 At the date of Drawl ²												
	2 Scheduled repayment date of principal												
	3 Scheduled payment date of interest												
	4 At the end of Financial year												
B	In case of Hedging ³												
	1 At the date of hedging												
	2 Period of hedging												
	3 Cost of hedging												
	Currency3¹ & so on												
A	1 At the date of Drawl ²												
	2 Scheduled repayment date of principal												
	3 Scheduled payment date of interest												
	4 At the end of Financial year												
B	In case of Hedging ³												
	1 At the date of hedging												
	2 Period of hedging												
	3 Cost of hedging												

NOT APPLICABLE

1. Name of the currency to be mentioned e.g. US\$, DM, etc.
2. In case of more than one drawl during the year, Exchange rate at the date of each drawl to be given
3. Furnish details of hedging, in case of more than one hedging during the year or part hedging, details of each hedging are to be given
4. Tax (such as withholding tax) details as applicable including change in rates, date from which change effective etc. must be clearly indicated.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

M G Gokhale)
General Manager (Comm.)

Details of Foreign Equity

(Details only in respect of Equity infusion if any applicable to the project under petition)

Name of the Petitioner : **NHPC Limited**
 Name of the Generating Station : **Chamera-I Power Station**
 Exchange Rate on date/s of Infusion :

Sl.	Financial Year	Year 1				Year 2				Year 3 and so on			
		3	4	5	6	7	8	9	10	11	12	13	14
		Date	Amount (Foregn Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregn Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)	Date	Amount (Foregn Currency)	Relevant Exchange Rate	Amount (Rs. Lakh)
	Currency1¹												
A 1	At the date of infusion ²												
2													
3													
	Currency2¹												
A 1	At the date of infusion ²												
2													
3													
	Currency3¹												
A 1	At the date of infusion ²												
2													
3													
	Currency4¹ & so on												
A 1	At the date of infusion ²												
2													
3													

NOT APPLICABLE

1. Name of the currency to be mentioned e.g. US\$, DM, etc.
2. In case of equity infusion more than once during the year, Exchange rate at the date of each infusion to be given.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited



(Signature)
 (M G Gokhale)
 General Manager (Comml.)

Abstract of Admitted Capital Cost for the existing Projects

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

Capital Cost as admitted by CERC		
a)	Capital cost admitted as on 31.03.2014 (₹ lakh)	204415.75
	(Give reference of the relevant CERC Order with Petition No. & Date)	CERC tariff order dtd.04.09.2015 in Petition No.237/GT/2014
b)	Foreign Component, if any (In Million US \$ or the relevant Currency)	Not Applicable
c)	Foreign Exchange rate considered for the admitted Capital cost (Rs Lakh)	
d)	Total Foreign Component (Rs. Lakh)	
e)	Domestic Component (Rs. Lakh.)	
f)	Hedging cost, if any, considered for the admitted Capital cost (Rs Lakh)	
	Total Capital cost admitted (Rs. lakh) (d+e+f)	

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited


**(M G Gokhale)
General Manager (Comml.)**

Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Projects

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

New Projects**Capital Cost Estimates**

Board of Director/ Agency approving the Capital cost estimates:		
Date of approval of the Capital cost estimates:		
Price level of approved estimates	Present Day Cost As on end of ____ qtr. of the year	Completed Cost As on scheduled COD of the Station
Foreign Exchange rate considered for the Capital cost estimates cost estimates		
Capital Cost excluding IDC, IEDC & FC		
Foreign Component, if any (In Million US \$ or the relevant currency)	NOT APPLICABLE	
Domestic Component (Rs. Lakh)		
Capital cost excluding IDC, IEDC, FC, FERV & Hedging Cost (Rs. Lakh)		
IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant currency)	NOT APPLICABLE	
Domestic Component (Rs. Lakh)		
Total IDC, IEDC, FC, FERV & Hedging Cost (Rs. Lakh)		
Rate of taxes & duties considered		
Capital cost including IDC, IEDC, FC, FERV & Hedging Cost		
Foreign Component, if any (In Million US \$ or the relevant currency)	NOT APPLICABLE	
Domestic Component (Rs. Lakh)		
Capital cost including IDC, IEDC & FC (Rs. Lakh)		
Schedule of Commissioning as per investment approval		
Scheduled COD of Unit-I		
Scheduled COD of Unit-II		
.....		
.....		
Scheduled COD of last Unit/Station		

Note:

1. Copy of approval letter should be enclosed
2. Details of Capital Cost are to be furnished as per FORM-5B or 5C as applicable.
3. Details of IDC & Financing Charges are to be furnished as per FORM-14.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Break-up of Capital Cost for New Hydro Power Generating Station

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

(Amount in Lakh)

Sl. No.	Break Down	Original cost as approved by Authority / Investment Approval	Actual Capital Expenditure as on actual / anticipated COD	Liabilities / Provisions	Variation	Reason for Variation
1	2	3	4	5	6 = 3-4-5	7
1.0	Infrastructure Works					
1.1	Preliminary including Development					
1.2	Land *					
1.3	R&R Expenditure					
1.4	Buildings					
1.5	Township					
1.6	Maintenance					
1.7	Tools & Plants					
1.8	Communication					
1.9	Environment & Ecology					
1.10	Losses on stock					
1.11	Receipt & Recoveries					
1.12	Total (Infrastructure works)					
2.0	Major Civil Works					
2.1	Dam, Intake & Desilting Chambers					
2.2	HRT, TRT, Surge Shaft & Pressure shafts					
2.3	Power Plant civil works					
2.4	Other civil works (to be specified)					
2.5	Total (Major Civil Works)					
3.0	Hydro Mechanical equipments					
4.0	Plant & Equipment					
4.1	Initial spares of Plant & Equipment					
4.2	Total (Plant & Equipment)					
5.0	Taxes and Duties					
5.1	Custom Duty					
5.2	Other taxes & Duties					
5.3	Total Taxes & Duties					
6.0	Construction & Pre-commissioning expenses					
6.1	Erection, testing & commissioning					
6.2	Construction Insurance					
6.3	Site supervision					
6.4	Total (Const. & Pre-commissioning)					
7.0	Overheads					
7.1	Establishment					
7.2	Design & Engineering					
7.3	Audit & Accounts					
7.4	Contingency					
7.5	Rehabilitation & Resettlement					
7.6	Total (Overheads)					
8.0	Capital Cost without IDC, FC, FERV & Hedging Cost					
9.0	IDC, FC, FERV & Hedging Cost					
9.1	Interest During Construction (IDC)					
9.2	Financing Charges (FC)					
9.3	Foreign Exchange Rate Variation (FERV)					
9.4	Hedging Cost					
9.5	Total of IDC, FC, FERV & Hedging Cost					
10.0	Capital cost Including IDC, FC, FERV & Hedging Cost					

NOT APPLICABLE

* Provide details of Freehold Land, Leasehold Land and Land under reservoir separately

Note:

- In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost over-run was beyond the control of the generating company.
- In case of both time & cost overrun, a detailed note giving reasons of such time and cost overrun should be submitted clearly bringing out the agency responsible and whether such time and cost overrun was beyond the control of the generating company.
- The implication on cost due to time over run, if any shall be submitted separately giving details of increase in prices in different packages from scheduled COD to Actual COD / anticipated COD, increase in IEDC from scheduled COD to actual COD / anticipated COD and increase of IDC from scheduled COD to actual anticipated COD.
- Impact on account of each reason for Time over run on Cost of project should be quantified and substantiated with necessary documents and supporting workings.
- A list of balance work assets / work wise including initial spare on original scope of works along with estimate shall be furnished positively.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited


 (M G Gokhale)
 General Manager (Comm.)

Break-up of Capital Cost for Plant & Equipment (New Projects)

Name of the Petitioner :
Name of the Generating Station :

NHPC Limited
Chamera-I Power Station

(Amount in Lakh)

Sl. No.	Break Down	Original cost as approved by Authority / Investment Approval ¹	Cost on Actual / anticipated COD ¹	Variation	Reason for Variation *
1	2	Total Cost	Total Cost	3	4
1.0	Generator, turbine & Accessories				
1.1	Generator package				
1.2	Turbine package				
1.3	Unit control Board				
1.4	C&I package				
1.5	Bus Duct of GT connection				
1.6	Total (Generator, turbine & Accessories)				
2.0	Auxiliary Electrical Equipment				
2.1	Step up transformer				
2.2	Unit Auxiliary Transformer				
2.3	Local supply transformer				
2.4	Station transformer				
2.5	SCADA				
2.6	Switchgear, Batteries, DC dist. Board				
2.7	Telecommunication equipment				
2.8	Illumination of Dam, PH and Switchyard				
2.9	Cables & cable facilities, grounding				
2.10	Diesel generating sets				
2.11	Total (Auxiliary Elect. Equipment)				
3.0	Auxiliary equipment & services for power station				
3.1	EOT crane				
3.2	Other cranes				
3.3	Electric lifts & elevators				
3.4	Cooling water system				
3.5	Drainage & dewatering system				
3.6	Fire fighting equipment				
3.7	Air conditioning, ventilation and heating				
3.8	Water supply system				
3.9	Oil handling equipment				
3.10	Workshop machines & equipment				
3.11	Total (Auxiliary equipmt. & services for PS)				
4.0	Switchyard package				
5.0	Initial spares for all above equipments				
6.0	Total Cost (Plant & Equipment) excluding IDC, FC, FERV & Hedging Cost				
7.0	IDC, FC, FERV & Hedging Cost				
7.1	Interest During Construction (IDC)				
7.2	Financing Charges (FC)				
7.3	Foreign Exchange Rate Variation (FERV)				
7.4	Hedging Cost				
7.5	Total of IDC, FC, FERV & Hedging Cost				
8.0	Total Cost (Plant & Equipment) Including IDC, FC, FERV & Hedging cost)				

NOT APPLICABLE

Note:

1. In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost overrun was beyond the control of the generating company.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Break-up of Construction/Supply/Service packages

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

1	Name/No. of Construction / Supply / Service Package	Package A	Package B	Package C	Total Cost of all packages
2	Scope of works ¹ (in line with head of cost break-ups as applicable)	NOT APPLICABLE				
3	Whether awarded through ICB / DCB / Departmentally / Deposit Work					
4	No. of bids received					
5	Date of Award					
6	Date of Start of work					
7	Date of Completion of Work / Expected date of completion of work					
8	Value of Award ² in (Rs. Lakh)					
9	Firm or With Escalation in prices					
10	Actual capital expenditure till the completion or up to COD whichever is earlier (Rs.Lakh)					
11	Taxes & Duties and IEDC (Rs. Lakh)					
12	IDC, FC, FERV & Hedging cost (Rs. Lakh)					
13	Sub-total (10+11+12) (Rs. Lakh)					

Note:

1. the scope of work in any package should be indicated in conformity of Capital cost break-up for the new Hydro Power Generating Station in the FORM-5B to the extent possible. For Plant & Equipment (New Project) break down in the similar manner in the relevant heads as per FORM-5C

2. If there is any package, which need to be shown in Indian Rupee and foreign currency (ies), the same should be shown separately along with the currency, the exchange rate and the date.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

In case there is cost over run

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

Sl. No.	Break Down	Original cost as approved by Board Members (Rs. Lakh)	Actual / Estimated Cost as incurred / to be incurred (Rs.Lakh)	Difference	Reason for Variation (Please submit supporting computations and documents wherever applicable)	Increase In soft cost due to increase in hard cost
		Total Cost	Total Cost	Total Cost		
1.0	Cost of Land & Site Development				1	2
1.1	Land*					
1.2	Rehabilitation & Resettlement (R&R)					
1.3	Preliminary Investigation & Site Development					
2.0	Plant & Equipment					
2.1	Steam Generator Island					
2.2	Turbine Generator Island					
2.3	BOP Mechanical					
2.3.1	Fuel Handling & Storage system					
2.3.2	External water supply system					
2.3.3	DM water Plant					
2.3.4	Clarification plant					
2.3.5	Chlorination Plant					
2.3.6	Fuel Handling & Storage system					
2.3.7	Ash Handling System					
2.3.8	Coal Handling Plant					
2.3.9	Rolling Stock and Locomotives					
2.3.10	MGR					
2.3.11	Air Compressor System					
2.3.12	Air Condition & Ventilation System					
2.3.13	Fire fighting System					
2.3.14	HPLP Piping					
	Total BOP Mechanical					
2.4	BOP Electrical					
2.4.1	Switch Yard Package					
2.4.2	Transformers Package					
2.4.3	Switch gear Package					
2.4.4	Cables, Cable facilities & grounding					
2.4.5	Lighting					
2.4.6	Emergency D.G. set					
	Total BOP Electrical					
2.5	Control & Instrumentation (C & I) Package					
	Total Plant & Equipment excluding taxes & Duties					
3	Initial Spares					
4	Civil Works					
4.1	Main plant/Adm. Building					
4.2	CW system					
4.3	Cooling Towers					
4.4	DM water Plant					
4.5	Clarification plant					
4.6	Chlorination plant					
4.7	Fuel handling & Storage system					
4.8	Coal Handling Plant					
4.9	MGR & Marshalling Yard					
4.10	Ash Handling System					
4.11	Ash disposal area development					
4.12	Fire fighting System					
4.13	Township & Colony					
4.14	Temp. construction & enabling works					
4.15	Road & Drainage					
	Total Civil works					
5	Construction & Pre- Commissioning Expenses					
5.1	Erection Testing and commissioning					
5.2	Site supervision					
5.3	Operator's Training					
5.4	Construction Insurance					
5.5	Tools & Plant					
5.6	Start up fuel					
	Total Construction & Pre- Commissioning Expenses					
6.0	Overheads					
6.1	Establishment					
6.2	Design & Engineering					
6.3	Audit & Accounts					
6.4	Contingency					
	Total Overheads					
7.0	Capital cost excluding IDC & FC					
8.0	IDC, FC, FERV & Hedging Cost					
8.1	Interest During Construction (IDC)					
8.2	Financing Charges (FC)					
8.3	Foreign Exchange Rate Variation (FERV)					
8.4	Hedging Cost					
	Total of IDC, FC, FERV & Hedging Cost					
9.0	Capital cost including IDC, FC, FERV & Hedging Cost					

NOT APPLICABLE

*Submit details of Freehold and Lease hold land

Note : Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

In case there is time over run

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

S. No.	Description of Activity / Works / Service	Original Schedule (As per Planning)		Actual Schedule (As per Actual)		Time Over-Run	Reasons for delay	Other Activity effected (Mention Sr No of activity affected)
		Start Date	Completion Date	Actual Start Date	Actual Completion Date	Days		
1	2	3	4	5	6	7	8	9
1								
2		NOT APPLICABLE						
3								
4								
5								
6								
7								
8								
9								
10								

1. Delay on account of each reason in case of time overrun should be quantified and substantiated with necessary documents and supporting workings.

2. Indicates the activities on critical path.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

Financial Package upto COD

Name of the Company **NHPC LTD.**
 Name of the Power Station **CHAMERA-I POWER STATION**
 Project Cost as on COD¹ **1969.76 ***
 Date of Commercial Operation of the Station² **01.05.1994**

(₹ lacs)

1	Financial Package as Approved		Financial Package as on COD *		As Admitted on COD **	
	Currency and Amount ³		Currency and Amount ³		Currency and Amount ³	
	2	3	4	5	6	7
GOI LOAN			INR	7067		
B SERIES 13%			INR	3767		
C SERIES			INR	7446		
D & E SERIES			INR	14351		
F SERIES			INR	13187		
G SERIES			INR	5699		
H SERIES 17%			INR	5000		
H SERIES 18%			INR	2519		
I SERIES			INR	13510		
UTI LOAN			INR	10000		
UTI LOAN			INR	10597		
EDC LOAN			INR	37180		
Total Loans				130323		141050.71
Equity-						
Foreign						
Domestic				58566		63365.04
Total Equity				58566		63365.04
Debt : Equity Ratio				68.99 : 31.01		69.00 : 31.00

Note:

¹ Say US \$ 200m + Rs.400 Cr or Rs.1200 Cr including US \$200m at an exchange rate of 1US \$=Rs.40/-

² Date of Commercial Operation means Commercial Operation of the last unit

³ For example : US \$, 200M etc.

* Gross Block as on 31/03/1998 & as admitted by CERC in tariff order dated 10/03/2005.

** As on 31/03/2014 & approved by CERC in order dtd. 04.09.2015 & 04.12.2015 in petition No. 237/GT/2014. The equity and loan figures are normative.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited


**(M G Gokhale)
General Manager (Comml.)**

Details of Project Specific Loans

Name of the Petitioner
Name of the Generating Station

NHPC Limited
Chamera-I Power Station

(Amount in lacs)

Particulars	Package1	Package2	Package3	Package4	Package5	Package6	
1	2	3	4	5	6	7	
Source of Loan ¹							
Currency ²							
Amount of Loan sanctioned							
Amount of Gross Loan drawn upto 31.03.2019 / COD 3,4,5,13,15		All actual loans have been repaid.					
Interest Type ⁶							
Fixed Interest Rate, if applicable							
Base Rate, if Floating Interest ⁷							
Margin, if Floating Interest ⁸							
Are there any Caps/Floor ⁹	Yes/No						Yes/No
If above is yes, specify caps/floor							
Moratorium Period ¹⁰							
Moratorium effective from							
Repayment Period ¹¹							
Repayment effective from							
Repayment Frequency ¹²							
Repayment Instalment ^{13,14}							
Base Exchange Rate ¹⁶							
Are Foreign currency hedged?							
If above is yes, specify details ¹⁷							

¹ Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

² Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

³ Details are to be submitted as on 31.03.2019 for existing assets and as on COD for the remaining assets.

⁴ Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

⁵ If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

⁶ Interest type means whether the interest is fixed or floating.

⁷ Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Documentary evidence for applicable base rate on different dates from the date of drawl may also be enclosed.

⁸ Margin means the points over and above the floating rate.

⁹ At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

¹⁰ Moratorium period refers to the period during which loan servicing liability is not required.

¹¹ Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

¹² Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

¹³ Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately.

¹⁴ If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished separately.

¹⁵ In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given with documentary evidence.

¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2019 for existing assets and as on COD for the remaining assets.

¹⁷ In case of hedging specify the details like type of hedging, period of hedging, cost of hedging etc.

¹⁸ In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

¹⁹ At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately

²⁰ At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.


²¹ Call or put option, if any exercised by the generating company for refinancing of loan

²² Copy of loan agreement

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

Details of allocation of corporate loans to various projects

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Chamera-I Power Station

(Amount in lacs)

Particulars	Package1	Package2	Package3	Package4	Package5	Remarks
1	2	3	4	5	6	7
Source of Loan ¹						
Currency ²						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto 31.03.2019 / COD ^{3,4,5,13,15}						
Interest Type ⁶		All actual loans have been repaid.				
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest ⁷						
Margin, if Floating Interest ⁸						
Are there any Caps/Floor ⁹	Yes/No					
If above is yes,specify caps/floor						
Moratorium Period ¹⁰						
Moratorium effective from						
Repayment Period ¹¹						
Repayment effective from						
Repayment Frequency ¹²						
Repayment Instalment ^{13,14}						
Base Exchange Rate ¹⁶						
Are Foreign currency hedged?						
If above is yes,specify details ¹⁷						
Distribution of loan packages to various projects						
Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

¹ Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

² Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

³ Details are to be submitted as on 31.03.2019 for existing assets and as on COD for the remaining assets.

⁴ Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

⁵ If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

⁶ Interest type means whether the interest is fixed or floating.

⁷ Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Documentary evidence for applicable base rate on different dates from the date of drawl may also be enclosed.

⁸ Margin means the points over and above the floating rate.

⁹ At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

¹⁰ Moratorium period refers to the period during which loan servicing liability is not required.

¹¹ Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

¹² Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

¹³ Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately.

¹⁴ If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be furnished separately.

¹⁵ In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given with documentary evidence.

¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2019 for existing assets and as on COD for the remaining assets.

¹⁷ In case of hedging specify the details like type of hedging, period of hedging, cost of hedging etc.

¹⁸ In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

¹⁹ At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately

²⁰ At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

²¹ Call or put option, if any exercised by the generating company for refinancing of loan

²² Copy of loan agreement

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

Year wise Statement of Additional Capitalisation after COD

Name of the Petitioner : NHPC LTD.
Name of the Generating Station :Chamera-I Power Station
COD :

01.05.1994

For Financial Year :

2019-20

Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col3	Cash basis	IDC included in col3			
1	2	3.00	4.00	5=3-4	6.00	7	8	9
1	(410705) Erection, Testing and Commissioning of 400 KV GIS Extension Bay.	87.50	0.00	87.50		25(1)(f)	Item already allowed by the Commission in 2014-19. Material has already been supplied and commissioning of bus reactors through Bus-I has already been done. The interconnection of GIS Extension Bay with Bus II is to be carried out in 2019-20. Further, there are total six oil water soak pits i.e. two for each bus reactor to drain oil leakage (if any), rain water, water discharge from fire fighting system. The oil/water from these soak pits accumulated in main oil water sump through interconnected pipe line. From this main sump, oil/water is required to be discharge in main drainage line of switchyard for which 2 nos submersible pumps are to be installed.	
2	(410701) Replacement of Air admission valve	26.00		26.00		25(2)(a)	One no. air admission valve is installed in each of the 3 units for breaking vacuum during part load operation through air injection. These are part of mother plant. Due to prolonged use, various components of air admission valve have worn out. Now, these valves are not giving desired performance and often failed during operation of Units leading to outages of Units. So, these are to be replaced with new one in phased manner.	
3	(410701) Replacement of Bypass valve with actuator	8.00		8.00		25(2)(a)	01 No. hydraulic actuator operated butterfly valve is installed in each Unit for pressure equalization on both sides of MIV. These are very old and due to prolonged use, these valves have suffered extensive wearing of body, bearings, sealing surface etc leading to leakage. Actuator is not able to provide full torque due to wearing of cylinder-piston and wearing of gear teeth. These are beyond economical repair, so these are to be replaced with new one. Therefore, 03 no. bypass valves with actuator are to be replaced with new one in phased manner.	
4	(410608) Modernisation/Upgradation of EOT Crane for Dam	52.50		52.50		25(2)(e)	Existing EOT crane is in continuous use for last 25 years for inspection, maintenance and repair work of sluice gates. At present, spares of the EOT crane are not easily available in the market for which difficulties arise in operation and maintenance of crane. Dam Safety team during inspection has also suggested to replace the control panels, electrical installations and cables. In view of above, modernization & renovation of the EOT crane is proposed.	
5	(410701) Replacement of Excitation System for unit #3	30.42		30.42		25(2)(c)	The excitation system was installed since commissioning & its retrofitting / modification is essentially required due to product obsolescence & to avoid unit outage / generation loss due to lack of spares / ageing of electronic components of the existing excitation system. Retrofitting of digital excitation system in Unit # 1 was completed in 2015. Materials for retrofitting of digital excitation system in Unit # 2 & 3 have already been supplied. New excitation system installed & commissioned in Unit#2 in Mar'19, and same will be installed in Unit #3 in Dec 2019 during annual maintenance period.	
6	(410328) Construction of Boundry Wall at CISF Complex (KCT Camp) at Khairi	19.00		19.00		26(1)(d)	Chamera Power Station-I is on the border of Himachal Pradesh and Jammu & Kashmir, there is always threat perception. At present, fencing of barbed wire has been done around CISF (KCT Camp) Complex, Khairi. As per requirement of CISF to comply security norms, it is proposed to construct boundary wall at KCT Camp, Khairi.	
7	(410328) Construction of roof top Morcha for CISF at Dam	3.00		3.00		26(1)(d)	As per IB recommendations, roof top morchas may be provided on both ends of Dam to replace the existing make shift morchas of sand bags in view of security aspects.	
8	(410321) Security Hut for newly built executive field hostel	4.70		4.70		26(1)(d)	A new field hostel has been built near TRT and it has no security post. It is proposed to build security post for the executive field hostel.	
9	(410328) Automated Boom Barrier/Steel Gate at Power house portal	1.20		1.20		26(1)(d)	At present, no steel gate/ automatic boom barriers is installed at inlet portal of Power House. It is proposed to install the same keeping the security of Power house in consideration.	
	Total	232.32		232.32				



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Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3.00	4.00	5=3-4	6,00	7	8	9
	Add Cap Eligible for ROE at Normal Rate	204.42		204.42				
	Add Cap Eligible for ROE at Wgt. Avg. Rate of Interest Rate	27.90		27.90				
	For Financial Year :	2020-21						
1	(410712) Replacement of Driers for Compressed Air system	17.00		17.00		25(2)(a)	HP (05 nos) and LP (03 nos) compressors are installed in the Power House to provide compressed air to various equipments. The drier installed with mother plant are old, imported in nature and have become obsolete with advancement in technology and they suffer frequent breakdown. Supply of dry air is very much essential for brake system, OPU and for service air. So driers for LP (3 nos) and HP (4 nos) are to be purchased and replaced. It is proposed to replace driers for LP air and HP air compressors.	
2	(410712) Replacement of 1600 A and 1000A Air circuit Breakers and its retrofitting	31.00		31.00		25(2)(a)	ACBs installed at power house has completed their useful life and at present no spares is available in the market as the existing model has become obsolete. Frequent problems i.e. Mechanism sticking, rack in-out prblem are occurring in the system. To maintain the healthiness of LT distribution system in power house, it is proposed to replace these breakers.	
3	(410712) Replacement of Drainage/Dewatering pump (04 Nos)	18.00		18.00		25(2)(a)	07 nos 50 HP and 5 nos 27 HP submersible pumps are installed at Power House of CPS-I for Drainage / dewatering system of Power house. These are very old and various component like impeller, rotor shaft, diffusor, oil housing, body etc have been worn out resulting into frequent failures and enhanced repair expenditure. A reliable drainage /dewatering system is required to be maintained to avoid disastrous failures. So, 04 nos pumps are proposed to be replaced with new pumps of suitable specifications.	
4	(410701) Replacement of Shaft sealing arrangement	29.00		29.00		25(2)(a)	Turbine shaft is sealed with the carbon segments to prevent the water leakage into the turbine pit. At certain interval of time, these carbon seals are worn out and required to be replaced with new one (2 set for 2 units).	
5	(410701) Replacement of Spiral case valve (1 no.), Penstock valve (2 no), Draft tube valves (2 no)	14.00		14.00		25(2)(a)	These Class 300 valves with sizes larger than 10" are connected inline with the main components of power plant and being used for drainage/ dewatering purpose. These valves were installed at the time of Project commissioning. These are very old and have eroded/ corroded with time. Body thickness have reduced due to erosion/corrosion resulting into reduced pressure rating. So, these valves are to be replaced with new one.	
6	(410608) Modernisation/ Upgradation of Gantry crane at Dam	83.50		83.50		25(2)(c)	Existing Gantry is in continuous use for last 25 years for inspection, maintenance and repair work of radial gates. At present, spares of gantry crane are not easily available in the market for which difficulties arise in operation and maintenance of crane. Dam Safety team during inspection has also suggested to replace the control panels, electrical installations and cables. In view of above, modernization & renovation of the EOTcrane is proposed.	
7	(410328) Construction of security Hut post at Adit-I	3.00		3.00		26(1)(d)	Existing structure is old and of CGI sheet. It is proposed to replace it with pucca structure for security of HRT Adit-I.	



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Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3.00	4.00	5=3-4	6.00	7	8	9
8	(412005) Replacement of Hospital Equipment	8.70			8.70	25(2)(a)	Since the commissioning of the project hospital, several medical equipments were purchased for betterment of medical facility. Due to continuous R&D and application of information technology to clinical purpose, new instruments are available which have intelligent functions and are more accurate. The existing dental chair was purchased in 1999 (20 yrs ago) and spare parts are not readily available as model has become obsolete. The ECG machine was purchased in 2014-15 and after 5 years, it will be 10 years old. Oxygen cylinder and auto clave were purchased in 1990-91 and in 2003-04 respectively. Further, the Crash cart, BMI calculator, digital video auto clave, Computerised Radio Graphy (CR) system, automated external Defibrillator, centrifuge and digital haemoglobin, ambulance auto loader emergency stretcher drawers & cabinets examination couch, physiotherapy Laser Therapy unit, IFT (Interferential Therapy) Tens lead, Mortuary I body with stainless steel chamber for medical purpose, CPR Manikan with AED trainer etc are also required for upgradation of hospital. It is therefore, proposed to purchase these equipment.	
9	(411804) Networking devices/ servers	32.00			32.00	25(2)(b)	For cyber and general security of Power Station old generation networking devices and servers are a threat. So, all the 5 years or more old networking devices and servers are to be replaced in a phased manner. In year 2020-21, 3 No. servers and 6 No. networking Core/Distribution Switch are proposed to be purchased. In the year 2021-22, 3 nos. servers and 6 nos networking core/distribution switch are proposed to be purchased. Further, in the year 2022-23, 6 nos networking distribution/access switches are proposed to be purchased and in the year 2023-24, 2 nos servers, 6 nos networking access switches and 6 nos networking POE switches are proposed to be purchased.	
10	(410711) Replacement of Control Monitoring System with Supervisory Control And Data Acquisition (SCADA) System	1360.00			1360.00	25(2)(c)	Chamera Power Station-I was commissioned in April 1994. Presently, the Power Station is operating with manual control system. For better and efficient operation in present grid norms and regulations, installation of SCADA is required.	
11	(412503) Security & surveillance	19.67			19.67	26(1)(d)	As the Power Station is on the border of Himachal Pradesh and Jammu & Kashmir, there is always a threat perception to the Power Station. Therefore, security and surveillance system required to be updated to match with current technology in the field. Hence, it is proposed to install CCTV Cameras at various places and to update the existing system. It is also proposed to establish a centralised monitoring system to be placed at Admin Building with adequate manpower to mitigate any untoward incident related to surveillance system. In Year 2020-21, 33 nos CCTV Cameras and NVR are proposed to be purchased. In year 2021-22, monitoring stations with 6 No. Wide screen TV (at least 80 Inch size) and adequate Power backup (20 KVA Redundant power supply) and 18 nos cameras are proposed to be purchased. In year 2023-24, 36 no. cameras are proposed to be purchased.	
		15.00			15.00	26(1)(d)	Chamera Power Station-I is on the border of Himachal Pradesh and Jammu & Kashmir and there is always threat perception to power station. Therefore, Security & surveillance system is required to be updated to match with latest technology. Therefore, new security devices like Night vision glasses, binoculars, bullet proof jacket, Anti riot shield, anti riot helmet, CCTV cameras, DFMD, TV, HF radio sets, are required by CISF. It is therefore proposed to purchase these items.	
12	(410328) Automated Boom Barrier/Steel Gate at Power house portal	2.00			2.00	26(1)(d)	At present, no steel gate/ automatic boom barriers is installed at inlet portal of Power House. It is proposed to install the same keeping the security of Power house in consideration.	
13	(412503) Equipment for compliance of OHSAS and environment policy requirement	5.00			5.00	26(1)(b)	Chamera Power Station-I has been certified to meet standards of OHSAS and environment. The requirements of OHSAS and environment certification are upgraded from time to time for adoption of best practices prevailing in the industry all over the world. Various equipment like water purification system, waste disposal and treatment equipment, air / water/ soil pollution control and mitigation equipment etc are required to be purchased to fulfill these requirement.	
Total		1637.87			1637.87			
Add Cap Eligible for ROE at Normal Rate		1598.20	0.00		1598.20			
Add Cap Eligible for ROE at Wgt. Avg. Rate of Interest Rate		39.67	0.00		39.67			



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Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3.00	4.00	5=3-4	6.00	7	8	9
For Financial Year :		2021-22						
1	(411505) Fire tender	41.00			41.00	25(1)(f)	Power Station has two fire tenders. One of the fire tender was purchased in 1986 and has outlived more than 32 years. The said fire tender is beyond economical repair and therefore, it is proposed to be replaced with new fire tender. Item already allowed by the Commission in 2014-19. However, due to delay in tendering process, the item could not be purchased in 2014-19.	
2	(410701) Replacement of Air admission valve	62.00			62.00	25(2)(a)	One no. air admission valve is installed in each of the 3 units for breaking vaccum during part load operation through air injection. These are part of mother plant. Due to prolonged use, various components of air admission valve have worn out. Now, these valves are not giving desired performance and often failed during operation of Units leading to outages of Units. So, these are to be replaced with new one in phased manner.	
3	(410704) Replacement of Booster Pump Set	44.00			44.00	25(2)(a)	6 Nos pumps (2 nos in each unit) are installed in Power House to lift water from common header and supply it to Generating Transformers for cooling purpose. These are part of mother plant. Due to prolonged use, various components like motors, casing, impellers, shafts etc have been worn out for which pumps suffer frequent breakdown. 04 nos pumps are to be replaced with new one in phased manner.	
4	(410701) Replacement of Bypass valve with actuator	18.00			18.00	25(2)(a)	01 No. hydraulic actuator operated butterfly valve is installed in each Unit for pressure equalization on both sides of MIV. These are very old and due to prolonged use, these valves have suffered extensive wearing of body, bearings, sealing surface etc leading to leakage. Actuator is not able to provide full torque due to wearing of cylinder-piston and wearing of gear teeth. These are beyond economical repair, so these are to be replaced with new one. Therefore, 03 no. bypass valves with actuator are to be replaced with new one in phased manner.	
5	(410704) Replacement of main cooling water vertical turbine pump (02 Nos)	63.50			63.50	25(2)(a)	06 Nos. Vertical turbine pumps are installed in Power House for providing cooling water to different component of Generating Units through a common header. These are part of mother plant. Various components of VT pumps like suction bell, Bowl, shafts have worn out resulting into frequent breakdown and reduced efficiency. So, these are to be replaced in phased manner as such it is proposed to replace 02 nos VT pumps.	
6	(410704) Replacement of motor control panel of Booster pump, 40 HP (06 nos)	23.00			23.00	25(2)(c)	Motor starting method for existing panels is Direct on-line (DOL). In this method motor draws very high inrush current which leads to mechanical stresses on winding and bearings. The existing panels are proposed to replace with the panels having provision of soft/ VFD starting method. The soft/VFD starting of motors will reduce the inrush current by 1/3rd and also reduce the mechanical stress. The body of existing panels has also been worn out due to their installations in high humidity zone. The replacement of the panels will reduce the O&M expenditure on pumps.	
7	(410712) Replacement of motor control panel of Drainage pump, 50 HP (04 nos), 27 HP (04 nos) and 01 nos 120 HP	43.50			43.50	25(2)(c)	Motor starting method for existing panels is Direct on-line (DOL). In this method motor draws very high inrush current which leads to mechanical stresses on winding and bearings. The existing panels are proposed to replace with the panels having provision of soft/ VFD starting method. The soft/VFD starting of motors will reduce the inrush current by 1/3rd and also reduce the mechanical stress. The body of existing panels has also been worn out due to their installations in high humidity zone. The replacement of the panels will reduce the O&M expenditure on pumps.	
8	(410701) Replacement of Stator air coolers (04 Nos)	68.00			68.00	25(2)(a)	08 Nos. Stator Air coolers are installed in each Generating Unit for cooling of stator. These were installed at time of commissioning of project. Heat transfer capacity of coolers have deteriorated with passage of time due to deposition of minerals in tubes and deposition of oil sludge between plate type fins. So, it is proposed to replace 04 nos stator air coolers in phased manner.	
9	(410608) Modernisation/ Upgradation of TRCM of DAM	50.00			50.00	25(2)(c)	Existing TRCM is in continuous use for last 25 years for removal of wooden logs. Control panel and its cable etc are in bad condition and required to be replaced. In view of above, modernization & renovation of the TRCM is proposed.	



SL No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3.00	4.00	5=3-4	6.00	7	8	9
10	(411002) Replacement of 1 MVA Transformer for DG Set at SwitchYard	15.00			15.00	25(2)(a)	Two number DG sets of 1000 KVA have been installed since commissioning of power station to meet emergency power for Power House and Switchyard. These DG sets are installed with one 1 MVA step-up transformer . Due to ageing of gaskets and welded port, there is leakage of oil from few points of transformers. The transformer got repaired time to time at project level and now it become unserviceable. This transformers have already completed its useful life (now 33 years) and now, it has been fully depreciated.For reliable operation and to meet emergency power requirement, replacement of this transformer is required. Therefore, it is proposed to purchase one 1 MVA step up Transformer.	
11	(412005) Replacement of Hospital Equipment	16.50			16.50	25(2)(a)	Since the commissioning of the project hospital, several medical equipments were purchased for betterment of medical facility.Due to continuous R&D and application of information technology to clinical purpose, new instruments are available which have intelligent functions and are more accurate. The existing dental chair was purchased in 1999 (20 yrs ago) and spare parts are not readily available as model has become obsolete. The ECG machine was purchased in 2014-15 and after 5 years, it will be 10 years old. Oxygen cylinder and autoclave were purchased in 1990-91 and in 2003-04 respectively. Further, the Crash cart, BMI calculator, digital video autoclave, Computerised Radio Graphy (CR) system, automated external Defibrillator, centrifuge and digital haemoglobin, ambulance auto loader emergency stretcher drawers & cabinets examination couch,physiotherapy Laser Therapy unit, IFT (Interferential Therapy) Tens lead, Mortuary I body with stainless steel chamber for medical purpose, CPR Manikan with AED trainer etc are also required for upgradation of hospital. It is therefore, proposed to purchase these equipment.	
12	(411804) Networking devices/ servers	33.00			33.00	25(2)(b)	For cyber and general security of Power Station old generation networking devices and servers are a threat. So, all the 5 years or more old networking devices and servers are to be replaced in a phased manner. In year 2020-21, 3 No. servers and 6 No. networking Core/Distribution Switch are proposed to be purchased. In the year 2021-22, 3 nos. servers and 6 nos networking core/distribution switch are proposed to be purchased. Further, in the year 2022-23, 6 nos networking distribution/access switches are proposed to be purchased and in the year 2023-24, 2 nos servers, 6 nos networking access switches and 6 nos networking POE switches are proposed to be purchased.	
13	(412503) Security & surveillance	31.63			31.63	26(1)(d)	As the Power Station is on the border of Himachal Pradesh and Jammu & Kashmir, there is always a threat perception to the Power Station. Therefore, security and surveillance system required to be updated to match with current technology in the field. Hence, it is proposed to install CCTV Cameras at various places and to update the existing system. It is also proposed to establish a centralised monitoring system to be placed at Admin Building with adequate manpower to mitigate any untoward incident related to surveillance system. In Year 2020-21 , 33 nos CCTV Cameras and NVR are proposed to be purchased. In year 2021-22, monitoring stations with 6 No. Wide screen TV (at least 80 Inch size) and adequate Power backup (20 KVA Redundant power supply) and 18 nos cameras are proposed to be purchased. In year 2023-24, 36 no. cameras are proposed to be purchased.	
		15.00			15.00	26(1)(d)	Chamera Power Station-I is on the border of Himachal Pradesh and Jammu & Kashmir and there is always threat perception to power station. Therefore, Security & surveillance system is required to be updated to match with latest technology. Therefore, new security devices like Night vision glasses, binoculars, bullet proof jacket, Anti riot shield, anti riot helmet, CCTV cameras, DFMD, TV , HF radio sets, are required by CISF. It is therefore proposed to purchase these items.	
14	(412503) Equipment for compliance of OHSAS and environment policy requirement	10.00			10.00	26(1)(b)	Chamera Power Station-I has been certified to meet standards of OHSAS and environment. The requirements of OHSAS and environment certification are upgraded from time to time for adoption of best practices prevailing in the industry all over the world. Various equipment like water purification system, waste disposal and treatment equipment, air / water/ soil pollution control and mitigation equipment etc are required to be purchased to fulfill these requirement.	
15	(410328) Construction of field hostel , Barrack along with boundary wall for CISF near Power House	100			100.00	26(1)(d)	CISF vide letter no. PR-13013/CISF/CPS-I/Inspection/2019-1312 dated 13.04.2019 has asked for construction of GAZETTED OFFICERS' Hostel, Recreation Hall and boundary for CISF Unit at CPS-I.	



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SL No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3.00	4.00	5=3-4	6.00	7	8	9
16	(410704) Installation of scheme for flood control & Disaster management	300.00		300.00		26(1)(d)	Presently, no disaster management scheme is installed in Power House of CPS-1 to meet any accidental water leakage due to bursting of penstock/pipe line/ failure of joints etc . It is required to install a Flood Control System in the Power House by installing dedicated submersible pumps , installation of control panels outside of MAT, installation of seprate pipe line from Power House to Power House portal drain and Installation of seprate power cable from Switchyard to MAT portal.	
17	(410607) Modification/Upgradation in existing TRT Gate and replacement of hoisting arrangement with rope drum hoist	210.65		210.65		26(1)(d)	Presently TRT Gate consists of 04 nos independent gate segments. A mobile crane is used to place these segments in gate groove in sequential order to close the gate. This procedure takes long time. Arrangement for emergency closing of TRT is to be provided by the Power Station in compliance to guidelines of Govt. of India. So, existing TRT gate shall be integrated as one unit and a wire rope hoist is to be installed in place of existing arrangement of using mobile crane.	
18	(411804) Replacement of OFC cable from Power house to other locations of the Power Station	16.50		16.50		26(1)(d)	As connectivity between various locations of Power Station is vital for exchange of important data, old OFC lines between Power House and Admin Building, Switch Yard , TRT and other locations will be layed overhead as underground OFC lines are very old and there is connectivity loss between various locations. Therefore, it is proposed to change old OFC by laying new overhead OFC at various locations in phased manner.	
Total		1161.28		1161.28				
Add Cap Eligible for ROE at Normal Rate		487.50	0.00	487.50				
Add Cap Eligible for ROE at Wgt. Avg. Rate of Interest Rate		673.78	0.00	673.78				
For Financial Year :		2022-23						
1	(410704) Replacement of Booster Pump Set	49.00		49.00		25(2)(a)	6 Nos pumps (2 nos in each unit) are installed in Power House to lift water from common header and supply it to <u>Generating Transformers</u> for cooling purpose. These are part of mother plant. Due to prolonged use, various components like motors, casing, impellers , shafts etc have been worn out for which pumps suffer frequent breakdown. 04 nos pumps are to be replaced with new one in phased manner.	
2	(410712) Replacement of Driers for Compressed Air system	28.50		28.50		25(2)(a)	HP (05 nos) and LP (03 nos) compressors are installed in the Power House to provide compressed air to various equipments. The drier installed with mother plant are old, imported in nature and have become obsolete with advancement in technology and they suffer frequent breakdown. Supply of dry air is very much essential for brake system, OPU and for service air. So driers for LP (3 nos) and HP (4 nos) are to be purchased and replaced. It is proposed to replace driers for LP air and HP air compressors.	
3	(410704) Replacement of motor control panel of Main cooling water pump , 100 HP (06 nos)	45.00		45.00		25(2)(c)	Motor starting method for existing panels is Direct on-line (DOL). In this method motor draws very high inrush current which leads to <u>mechanical stresses</u> on winding and bearings. The existing panels are proposed to replace with the panels having provision of soft/ VFD starting method. The soft/VFD starting of motors will reduce the inrush current by 1/3rd and also reduce the mechanical stress. And also the body of existing panels is worn out due to their installations in high humidity zone. The replacement of the panels will reduce the O&M expenditure on pumps.	
4	(410712) Replacement of Drainage/Dewatering pump (04 Nos)	41.00		41.00		25(2)(a)	07 nos 50 HP and 5 nos 27 HP submersible pumps are installed at Power House of CPS-1 for Drainage / dewatering system of Power house. These are very old and various component like impeller, rotor shaft, diffusor, oil housing, body etc have been worn out resulting into frequent failures and enhanced repair expenditure. A reliable drainage /dewatering system is required to be maintained to avoid disasterous failures. So, 04 nos pumps are proposed to be replaced with new pumps of suitable specifications.	



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Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accural basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3.00	4.00	5=3-4	6.00	7	8	9
5	(412005) Replacement of Hospital Equipment	5.80			5.80	25(2)(a)	Since the commissioning of the project hospital, several medical equipments were purchased for betterment of medical facility. Due to continuous R&D and application of information technology to clinical purpose, new instruments are available which have intelligent functions and are more accurate. The existing dental chair was purchased in 1999 (20 yrs ago) and spare parts are not readily available as model has become obsolete. The ECG machine was purchased in 2014-15 and after 5 years, it will be 10 years old. Oxygen cylinder and autoclave were purchased in 1990-91 and in 2003-04 respectively. Further, the Crash cart, BMI calculator, digital video autoclave, Computerised Radio Graphy (CR) system, automated external Defibrillator, centrifuge and digital haemoglobin, ambulance auto loader emergency stretcher drawers & cabinets examination couch, physiotherapy Laser Therapy unit, IFT (Interferential Therapy) Tens lead, Mortuary I body with stainless steel chamber for medical purpose, CPR Manikan with AED trainer etc are also required for upgradation of hospital. It is therefore, proposed to purchase these equipment.	
6	(411804) Networking devices/ servers	15.00			15.00	25(2)(b)	For cyber and general security of Power Station old generation networking devices and servers are a threat. So, all the 5 years or more old networking devices and servers are to be replaced in a phased manner. In year 2020-21, 3 No. servers and 6 No. networking Core/Distribution Switch are proposed to be purchased. In the year 2021-22, 3 nos. servers and 6 nos networking core/distribution switch are proposed to be purchased. Further, in the year 2022-23, 6 nos networking distribution/access switches are proposed to be purchased and in the year 2023-24, 2 nos servers, 6 nos networking access switches and 6 nos networking POE switches are proposed to be purchased.	
7	(412503) Security & surveillance	20.00			20.00	26(1)(d)	Chamera Power Station-I is on the border of Himachal Pradesh and Jammu & Kashmir and there is always threat perception to power station. Therefore, Security & surveillance system is required to be updated to match with latest technology. Therefore, new security devices like Night vision glasses, binoculars, bullet proof jacket, Anti riot shield, anti riot helmet, CCTV cameras, DFMD, TV, HF radio sets, are required by CISF. It is therefore proposed to purchase these items.	
8	(412503) Equipment for compliance of OHSAS and environment policy requirement	10.00			10.00	26(1)(b)	Chamera Power Station-I has been certified to meet standards of OHSAS and environment. The requirements of OHSAS and environment certification are upgraded from time to time for adoption of best practices prevailing in the industry all over the world. Various equipment like water purification system, waste disposal and treatment equipment, air / water / soil pollution control and mitigation equipment etc are required to be purchased to fulfill these requirement.	
9	(410328) Construction of field hostel, Barrack along with boundary wall for CISF near Power House	146.00			146.00	26(1)(d)	CISF vide letter no. PR-13013/CISF/CPS-1/Inspection/2019-1312 dated 13.04.2019 has asked for construction of Gazzetted Officers' Hostel, Recreation Hall and boundary for CISF Unit at CPS-I.	
10	(410704) Installation of scheme for flood control & Disaster management.	200			200.00	26(1)(d)	Presently, no disaster management scheme is installed in Power House of CPS-1 to meet any accidental water leakage due to bursting of penstock/pipe line/ failure of joints etc. It is required to install a Flood Control System in the Power House by installing dedicated submersible pumps, installation of control panels outside of MAT, installation of separate pipe line from Power House to Power House portal drain and installation of separate power cable from Switchyard to MAT portal.	
	Total	560.3			560.3			
	Add Cap Eligible for ROE at Normal Rate	194.30	0.00		194.30			
	Add Cap Eligible for ROE at Wgt. Avg. Rate of Interest Rate	366.00	0.00		366.00			
	For Financial Year :	2023-24						
1	(410714) Replacement of main cooling water vertical turbine pump (02 Nos)	71.00			71.00	25(2)(a)	06 Nos. Vertical turbine pumps are installed in Power House for providing cooling water to different component of Generating Units through a common header. These are part of mother plant. Various components of VT pumps like suction bell, Bowl, shafts have worn out resulting into frequent breakdown and reduced efficiency. So, these are to be replaced in phased manner as such it is proposed to replace 02 nos VT pumps.	



Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col3	Cash basis	IDC included in col3			
1	2	3.00	4.00	5=3-4	6.00	7	8	9
2	(410712) Replacement of Drainage/Dewatering pump (04 Nos)	23.00			23.00	25(2)(a)	07 nos 50 HP and 5 nos 27 HP submersible pumps are installed at Power House of CPS-1 for Drainage / dewatering system of Power house. These are very old and various component like impeller, rotor shaft, diffusor, oil housing, body etc have been worn out resulting into frequent failures and enhanced repair expenditure. A reliable drainage /dewatering system is required to be maintained to avoid disastrous failures. So, 04 nos pumps are proposed to be replaced with new pumps of suitable specifications.	
3	(412005) Replacement of Hospital Equipment	3.70			3.70	25(2)(a)	Since the commissioning of the project hospital, several medical equipments were purchased for betterment of medical facility. Due to continuous R&D and application of information technology to clinical purpose, new instruments are available which have intelligent functions and are more accurate. The existing dental chair was purchased in 1999 (20 yrs ago) and spare parts are not readily available as model has become obsolete. The ECG machine was purchased in 2014-15 and after 5 years, it will be 10 years old. Oxygen cylinder and autoclave were purchased in 1990-91 and in 2003-04 respectively. Further, the Crash cart, BMI calculator, digital video autoclave, Computerised Radio Graphy (CR) system, automated external Defibrillator, centrifuge and digital haemoglobin, ambulance auto loader emergency stretcher drawers & cabinets examination couch, physiotherapy Laser Therapy unit, IFT (Interferential Therapy) Tens lead, Mortuary trolley with stainless steel chamber for medical purpose, CPR Manikin with AED trainer etc are also required for upgradation of hospital. It is therefore, proposed to purchase these equipment.	
4	(411804) Networking devices/ servers	44.00			44.00	25(2)(b)	For cyber and general security of Power Station old generation networking devices and servers are a threat. So, all the 5 years or more old networking devices and servers are to be replaced in a phased manner. In year 2020-21, 3 No. servers and 6 No. networking Core/Distribution Switch are proposed to be purchased. In the year 2021-22, 3 nos. servers and 6 nos networking core/distribution switch are proposed to be purchased. Further, in the year 2022-23, 6 nos networking distribution/access switches are proposed to be purchased and in the year 2023-24, 2 nos servers, 6 nos networking access switches and 6 nos networking POE switches are proposed to be purchased.	
5	(412503) Security & surveillance	25.15			25.15	26(1)(d)	As the Power Station is on the border of Himachal Pradesh and Jammu & Kashmir, there is always a threat perception to the Power Station. Therefore, security and surveillance system required to be updated to match with current technology in the field. Hence, it is proposed to install CCTV Cameras at various places and to update the existing system. It is also proposed to establish a centralised monitoring system to be placed at Admin Building with adequate manpower to mitigate any untoward incident related to surveillance system. In Year 2020-21, 33 nos CCTV Cameras and NVR are proposed to be purchased. In year 2021-22, monitoring stations with 6 No. Wide screen TV (at least 80 Inch size) and adequate Power backup (20 KVA Redundant power supply) and 18 nos cameras are proposed to be purchased. In year 2023-24, 36 no. cameras are proposed to be purchased.	
		19.00			19.00	26(1)(d)	Chamera Power Station-I is on the border of Himachal Pradesh and Jammu & Kashmir and there is always threat perception to power station. Therefore, Security & surveillance system is required to be updated to match with latest technology. Therefore, new security devices like Night vision glasses, binoculars, bullet proof jacket, Anti riot shield, anti riot helmet, CCTV cameras, DFMD, TV, HF radio sets, are required by CISF. It is therefore proposed to purchase these items.	
6	(412503) Equipment for compliance of OHSAS and environment policy requirement	16.00			16.00	26(1)(b)	Chamera Power Station-I has been certified to meet standards of OHSAS and environment. The requirements of OHSAS and environment certification are upgraded from time to time for adoption of best practices prevailing in the industry all over the world. Various equipment like water purification system, waste disposal and treatment equipment, air / water/ soil pollution control and mitigation equipment etc are required to be purchased to fulfill these requirement.	
7	(411804) Replacement of OFC cable from Power house to other locations of the Power Station	5.30			5.30	26(1)(d)	As connectivity between various locations of Power Station is vital for exchange of important data, old OFC lines between Power House and Admin Building, Switch Yard, TRT and other locations will be laid overhead as underground OFC lines are very old and there is connectivity loss between various locations. Therefore, it is proposed to change old OFC by laying new overhead OFC at various locations in phased manner.	
Total		207.15			207.15			



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Sl. No.	Head of Work / Equipment	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Admitted Cost by the Commission, if any
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3			
1	2	3.00	4.00	5=3-4	6.00	7	8	9
	Add Cap Eligible for ROE at Normal Rate	157.70	0.00	157.70				
	Add Cap Eligible for ROE at Wgt. Avg. Rate of Interest Rate	49.45	0.00	49.45				

1. In case the project has been completed and cost has already been admitted under any tariff notification(s) in the past, fill column 10 giving the cost as admitted for the purpose of tariff notification already issued by (Name of the authority) (Enclose copy of the tariff Order).
2. The above information needs to be furnished separately for each year / period of tariff period 2019-24.
3. In case of de-capitalisation of assets separate details to be furnished at column 1, 2, 3 and 4. Further, the original book value and year of capitalisation of such asset to be furnished at column 8. Where de-caps are on estimated basis the same to be shown separately.
4. Where any asset is rendered unserviceable the same shall be treated as de-capitalised during that year and original value of such asset to be shown at col. 3. And impaired value if any, year of its capitalisation to be mentioned at column 8.
5. Justification against each asset of capitalization should be specific to regulations under which claim has been made and the necessity of capitalization of that particular asset.

Note:

1. Fill the form in chronological order year wise along with detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries.
2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comm.)

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Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner : NHPC LTD.

Name of the Generating Station :Chamera-I Power Station

COD : 1-May-94

Sl. No.	Head of Work / Equipment	Work/Equipment added during last five years of useful life of each Unit/Station	Amount capitalised /Proposed to be capitalised (Rs Lakh)	Justification for capitalisation proposed	Impact on life extension
1	2	3	4	5	6
1					
2		Not Applicable			
3					
4					

Note:

1. Cost Benefit analysis for capital additions done should be submitted along with petition for approval of such schemes
2. Justification for additional capital expenditure claim for each asset should be relevant to regulation under which claim and the necessity of capitalization of the asset

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

Details of Assets De-capitalized during the period

Name of the Petitioner :NHPC LTD.

Name of the Generating Station : Chamera-I Power Station

Region:Northern

State: Himachal Pradesh

District:Chamba

(Ru. In Lakhs)

Sl. No.	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization	Year of Decapitalisation	Remarks
1	2	3	4	5	6	7	8
2019-20							
1	Decapitalization from Mother Plant - Air admission valve	Claim	5.48	01-05-94	4.25	2019-20	Refer Sl. No.2 of Form 9A / FY 2019-20
2	Decapitalization from Mother Plant - Bypass valve with actuator	Claim	1.69	01-05-94	1.31	2019-20	Refer Sl. No.3 of Form 9A / FY 2019-20
3	Decapitalization from Mother Plant - Excitation System for Unit#3	Claim	6.42	01-05-94	4.99	2019-20	Refer Sl. No.5 of Form 9A / FY 2019-20
Total			13.59		10.55		
2020-21							
1	Decapitalization from Mother Plant - Drier for Compressed Air system	Claim	3.49	01-05-94	2.70	2020-21	Refer Sl. No.1 of Form 9A / FY 2020-21
2	Decapitalization from Mother Plant - 1600 A and 1000A Air circuit Breakers and its retrofitting	Claim	6.35	01-05-94	4.93	2020-21	Refer Sl. No.2 of Form 9A / FY 2020-21
3	Decapitalization from Mother Plant - Drainage/Dewatering pump.(04 Nos)	Claim	3.69	01-05-94	2.97	2020-21	Refer Sl. No.3 of Form 9A / FY 2020-21
4	Decapitalization from Mother Plant - Shaft sealing arrangement	Claim	5.94	01-05-94	4.55	2020-21	Refer Sl. No.4 of Form 9A / FY 2020-21
5	Decapitalization from Mother Plant - Spiral case valve (1 no.), Penstock valve 2 no., Draft tube valves (2 no)	Claim	2.87	01-05-94	2.20	2020-21	Refer Sl. No.5 of Form 9A / FY 2020-21
5	Dental Chair with accessories (9678010001)	Claim	1.01	29-10-99	0.76	2020-21	Refer Sl. No.8 of Form 9A / FY 2020-21
Total			23.35		18.11		
2021-22							
1	Fire Tender HIC-3085	Claim	1.04	03-12-86	0.78	2021-22	Refer Sl. No.1 of Form 9A / FY 2021-22
2	Decapitalization from Mother Plant - Air admission valve	Claim	12.32	01-05-94	9.33	2021-22	Refer Sl. No.2 of Form 9A / FY 2021-22
3	Decapitalization from Mother Plant - Booster Pump Set	Claim	8.75	01-05-94	6.71	2021-22	Refer Sl. No.3 of Form 9A / FY 2021-22
4	Decapitalization from Mother Plant - Bypass valve with actuator	Claim	3.58	01-05-94	2.71	2021-22	Refer Sl. No.4 of Form 9A / FY 2021-22
5	Decapitalization from Mother Plant - main cooling water vertical turbine pump (02 Nos)	Claim	12.62	01-05-94	9.68	2021-22	Refer Sl. No.5 of Form 9A / FY 2020-21
6	Decapitalization from Mother Plant - motor control panel of Booster pump, 40 HP (06 nos)	Claim	4.57	01-05-94	3.46	2021-22	Refer Sl. No.6 of Form 9A / FY 2021-22
7	Decapitalization from Mother Plant - motor control panel of Drainage pump,50 HP (04 nos) , 27 HP (04 nos) and 01 nos 120 HP	Claim	8.65	01-05-94	6.55	2021-22	Refer Sl. No.7 of Form 9A / FY 2021-22
8	Decapitalization from Mother Plant - Stator air coolers (04 Nos)	Claim	13.52	01-05-94	10.24	2021-22	Refer Sl. No.8 of Form 9A / FY 2021-22
9	1000KVA step-up transformer	Claim	1.05	17-07-85	0.85	2021-22	Refer Sl. No.10 of Form 9A / FY 2021-22
10	BPL 8108 VIEW 6 CHANNEL ECG MACHINE	Claim	0.99	01-10-14	0.55	2021-22	Refer Sl. No.11 of Form 9A / FY 2021-22
Total			67.09		50.86		
2022-23							
1	Decapitalization from Mother Plant - Booster Pump Set	Claim	9.46	01-05-94	7.07	2022-23	Refer Sl. No.1 of Form 9A / FY 2022-23
2	Decapitalization from Mother Plant - Drier for Compressed Air system	Claim	5.50	01-05-94	4.16	2022-23	Refer Sl. No.2 of Form 9A / FY 2022-23
3	Decapitalization from Mother Plant - motor control panel of Main cooling water pump , 100 HP (06 nos)	Claim	8.68	01-05-94	6.49	2022-23	Refer Sl. No.3 of Form 9A / FY 2022-23
4	Decapitalization from Mother Plant - Drainage/Dewatering pump.(04 Nos)	Claim	7.91	01-05-94	5.99	2021-22	Refer Sl. No.4 of Form 9A / FY 2022-23
Total			23.64		17.72		
2023-24							
1	Decapitalization from Mother Plant - main cooling water vertical turbine pump (02 Nos)	Claim	13.31	01-05-94	9.95	2022-23	Refer Sl. No.1 of Form 9A / FY 2023-24
2	Decapitalization from Mother Plant - Drainage/Dewatering pump	Claim	4.31	01-05-94	3.18	2023-24	Refer Sl. No.2 of Form 9A / FY 2023-24
Total			17.62		13.13		
Grand Total			145.29		110.37		

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Statement showing reconciliation of ACE claimed with the capital additions as per books

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

COD : 01.05.1994

Sl. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
1	Closing Gross Block as per IND AS					
2	Add/Less:Adjustments					
3	Closing Gross Block as per IGAAP					
4	Opening Gross Block as per IND AS					
5	Add/Less:Adjustments					
6	Opening Gross Block as per IGAAP					
7	Total Additions as per books (G=3-5)					
8	Less: Additions pertaining to other Stages (give Stage Wise breakup)					
9	Net Additions pertaining to instant project/Unit/Stage					
10	LessExclusions (items not allowable / not claimed)					
11	Net Additions Capital Expenditure Claimed (on accrual basis)					
12	Less: Un-discharged Liabilities					
13	Add: Discharge of un-discharged liabilities, corresponding to admitted assets/works					
14	Net Additional Capital Expenditure Claimed (on cash basis)					

Petition is based on projected additional capital expenditure reconciliation will be submitted at the time of truing up of capital expenditure.

Note:

Reason for exclusion of any expenditure shall be given in Clear terms.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited

**(M G Gokhale)
General Manager (Comm.)**

Statement showing items / assets / works claimed under Exclusions

Name of the Petitioner : **NHPC Limited**
 Name of the Generating Station : **Chamera-I Power Station**
 COD :01.05.1994

Sl. No.	Head of Work / Equipment	ACE Claimed under Exclusion				Justification
		Accrual basis	Un-discharged Liability included in col.3	Cash basis	IDC included in col.3	
1	2	3	4	5=3-4	6	7
	Petition is based on projected additional capital expenditure reconciliation will be submitted at the time of truing up of capital expenditure.					

Note:

- Exclusions claimed on assets not allowed in Tariff should be supported by the specific reference of Commission Order date, Petition No., amount disallowed, etc..
- For inter unit transfer, nature of transfer i.e. temporary or permanent should be mentioned. It is to be certified that exclusion sought in receiving station only and not in sending station or in both the station.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Statement of Capital Cost
(To be given for relevant dates and year wise)

Name of the Petitioner : NHPC Limited

Name of the Generating Station : Chamera-I Power Station

(Amount In Lakhs)

Sl. No.	Particulars	As on relevant date		
		Accrual Basis	Un-discharged Liabilities	cash Basis
1	2	3	4	5
A	a) Opening Gross Block amount As per books			
	b) Amount of IDC in A(a) above			
	c) Amount of FC in A(a) above			
	d) Amount of FERV in A(a) above			
	e) Amount of Hedging Cost in A(a) above			
	f) Amount of IEDC in A(a) above			
B	a) Addition in Gross Block amount during the period (Direct purchases)			
	b) Amount of IDC in B(a) above			
	c) Amount of FC in B(a) above			
	d) Amount of FERV in B(a) above			
	e) Amount of Hedging Cost in B(a) above			
	f) Amount of IEDC in B(a) above			
C	a) Addition in Gross Block amount during the period (Transfer from CWIP)			
	b) Amount of IDC in C(a) above			
	c) Amount of FC in C(a) above			
	d) Amount of FERV in C(a) above			
	e) Amount of Hedging Cost in C(a) above			
	f) Amount of IEDC in C(a) above			
D	a) Deletion in Gross Block Amount during the period			
	b) Amount of IDC in D(a) above			
	c) Amount of FC in D(a) above			
	d) Amount of FERV in D(a) above			
	e) Amount of Hedging Cost in D(a) above			
	f) Amount of IEDC in D(a) above			
E	a) Closing Gross Block amount As per books			
	c) Amount of IDC in E(a) above			
	d) Amount of FC in E(a) above			
	e) Amount of FERV in E(a) above			
	f) Amount of Hedging Cost in E(a) above			
	g) Amount of IEDC in E(a) above			

NOT APPLICABLE

Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Statement of Capital Woks in Progress

(To be given for the relevant dates and year wise)

Name of the Petitioner : NHPC Limited

Name of the Generating Station : Chamera-I Power Station

(Amount in Rs. Lakhs)

Sl. No.	Particulars	As on relevant date ¹		
		Accrual Basis	Un-discharged Liabilities	cash Basis
1	2	3	4	5
A	a) Opening CWIP As per books			
	b) Amount of IDC in A(a) above			
	c) Amount of FC in A(a) above			
	d) Amount of FERV in A(a) above			
	e) Amount of Hedging Cost in A(a) above			
	f) Amount of IEDC in A(a) above			
B	a) Addition in CWIP during the period			
	b) Amount of IDC in B(a) above			
	c) Amount of FC in B(a) above			
	d) Amount of FERV in B(a) above			
	e) Amount of Hedging Cost in B(a) above			
	f) Amount of IEDC in B(a) above			
C	a) Transferred to Gross Block Amount during the period			
	b) Amount of IDC in C(a) above			
	c) Amount of FC in C(a) above			
	d) Amount of FERV in C(a) above			
	e) Amount of Hedging Cost in C(a) above			
	f) Amount of IEDC in C(a) above			
D	a) Deletion in CWIP during the period			
	b) Amount of IDC in D(a) above			
	c) Amount of FC in D(a) above			
	d) Amount of FERV in D(a) above			
	e) Amount of Hedging Cost in D(a) above			
	f) Amount of IEDC in D(a) above			
E	a) Closing CWIP as per books			
	b) Amount of IDC in E(a) above			
	c) Amount of FC in E(a) above			
	d) Amount of FERV in E(a) above			
	e) Amount of Hedging Cost in E(a) above			
	f) Amount of IEDC in E(a) above			

NOT APPLICABLE

Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Financing of Additional Capitalisation

Name of the Petitioner : NHPC Limited
 Name of the Generating Station : Chamera-I Power Station
 Date of Commercial Operation : 01.05.1994

(Amount in Rs. Lakhs)

Financial Year (Starting from COD) ¹	Actual / projected					Admitted				
	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8	9	10	11
Amount capitalised in Work / Equipment	970.24	1,614.52	1,094.19	536.66	189.53					
Financing Details										
Loan-1										
Loan-2										
Loan-3 and so on										
Total Loan ²										
Equity										
Internal Resources	970.24	1,614.52	1,094.19	536.66	189.53					
Others (Pl. specify)										
Total	970.24	1,614.52	1,094.19	536.66	189.53					

Note:

1 Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.

2 Loan details for meeting the additional capitalisation requirement should be given as per FORM-7 or 8 whichever is relevant.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comm.)

Calculation of Depreciation

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

(Amount in Rs. Lakhs)

Sl. No.	Name of the Assets ¹	Gross Block as on 31.03.2019 or as on COD, whichever is later and subsequently for each year thereafter up to 31.03.2024	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.2024
1	2	3	4	5 = Col.3 X Col.4
1	Land*			
5	Buildings			
6	and so on			
7				
8				
9				
10		Power station has completed 12 years of commercial operation in FY 2009-10, therefore, depreciation rate is not applicable.		
11				
12				
13				
14				
15				
	TOTAL			
	Weighted Average Depreciation Rate (%) of depreciation			
	Depreciation(%)			

* Provide details of Freehold Land, Leasehold Land and Land under reservoir separately

Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(Signature)
(M G Gokhale)
General Manager (Comm.)

Statement of Depreciation

Name of the Petitioner :
Name of the Generating Station :

NHPC Limited
Chamera-I Power Station

(Amount in Rs. Lakh)

Sl. No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	Opening Capital Cost	206305.11	208,217.90	209,188.13	210,802.65	211,896.84	212,433.50
2	Closing Capital Cost	208217.90	209,188.13	210,802.65	211,896.84	212,433.50	212,623.03
3	Average Capital Cost	207261.50	208,703.01	209,995.39	211,349.75	212,165.17	212,528.27
4	Freehold land	3910.57	3910.57	3910.57	3910.57	3910.57	3910.57
	Land under reservoir & land lease hold	1405.72	1405.72	1405.72	1405.72	1405.72	1405.72
5	Rate of depreciation	NA	NA	NA	NA	NA	NA
6	Depreciable value	184,280.99	185,578.35	186,741.49	187,960.41	188,694.29	189,021.08
7	Balance useful life at the beginning of the period	11.08	15.08	14.08	13.08	12.08	11.08
8	Remaining depreciable value	49,016.58	46,527.85	44,615.52	42,682.58	40,201.15	37,217.85
9	Depreciation (for the period)	4,422.52	3,084.71	3,167.95	3,262.35	3,326.97	3,357.98
10	Depreciation (annualised)						
11	Cumulative depreciation at the end of the period	139,686.93	142,135.21	145,293.92	148,540.17	151,820.12	155,161.20
12	Less : Cumulative depreciation adjustment on account of un-discharged liabilities deducted as on 01.04.2009 / Station COD, whichever is later.						
13	Less : Cumulative depreciation adjustment on account of de-capitalisation (Refer Form-9B(I))	636.43	9.23	16.09	47.03	16.89	12.86
14	Net Cumulative depreciation at the end of the period	139,050.50	142,125.97	145,277.83	148,493.14	151,803.22	155,148.35

Note:

1. In case of details of FERV and AAD, give information for the applicable period.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Calculation of Weighted Average Rate of Interest on Actual Loans¹

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

(Amount in Rs.Lakh)

Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Loan-1						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Loan-2						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Loan-3 and so on						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Total Loan						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Interest on loan						
Weighted average Rate of Interest on Loans						

Note:

1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculation in Original currency is also to be furnished separately in the same form.

* All the project specific loans & corporate loans allocated to Chamera-I power station has been settled prior to 31.03.2014, therefore in terms of Regulations 26(5) of CERC (Terms & Conditions of Tariff) Regulations, 2014, weighted average rate of interest has been calculated in **Appendix to Form-13**.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(Signature)
(M G Gokhale)
General Manager (Comml.)

Calculation of Interest on Normative Loan

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Chamera-I Power Station

(Amount in ₹ Lakh)

Sl. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Gross Normative loan - Opening	142,373.26	143,712.22	144,391.38	145,521.55	146,287.48	146,663.14
2	Cumulative repayment of Normative loan upto previous year	142,373.26	143,712.22	144,391.38	145,521.55	146,287.48	146,663.14
3	Net Normative loan - Opening	0.00	0.00	0.00	0.00	0.00	0.00
4	Add : Increase due to addition during the year / period	1,939.66	162.62	1146.51	812.90	392.21	145.01
5	Less : Decrease due to de-capitalisation during the year / period	664.06	9.51	16.35	46.96	16.55	12.33
6	Less : Decrease due to reversal during the year / period	0.00	0	0	0	0	0
7	Add : Increase due to discharges during the year / period	63.36	526.05	0	0	0	0
	Less : Repayment during the year	1,338.95	679.17	1,130.16	765.93	375.66	132.67
8	Net Normative loan - Closing	0.00	0.00	0.00	0.00	0.00	0.00
9	Average Normative loan	0.00	0.00	0.00	0.00	0.00	0.00
10	Weighted average rate of interest	7.77%	7.92%	7.92%	7.92%	7.92%	7.92%
11	Interest on Loan	0.00	0.00	0.00	0.00	0.00	0.00

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comm.)

Calculation of Interest on Working Capital

Name of the Petitioner : NHPC Limited
Name of the Generating Chamera-I Power Station

(Amount in Rs. Lakh)

Sl. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
1	O & M Expense *	1,149.54	1,223.76	1,282.11	1,343.23	1,407.26	1,474.35
2	Maintenance Spares *	2,069.17	2,202.78	2,307.79	2,417.81	2,533.07	2,653.83
3	Receivables	5,501.10	3,779.17	3,882.74	3,990.88	4,094.66	4,196.32
4	Total Working Capital	8,719.81	7,205.72	7,472.63	7,751.91	8,034.99	8,324.49
5	Rate of Interest	13.50%	12.05%	12.05%	12.05%	12.05%	12.05%
6	Interest on Working Capital	1,177.17	868.29	900.45	934.11	968.22	1,003.10

* For the purpose of calculation of Interest on Working Capital O&M Expenses and Security Expenses are considered as per regulation 34(c) (iii) of CERC Tariff Regulations' 2019

For Arora Vohra & Co.
Chartered Accountants

Partner : A.K. Aggarwal
M. No. 013833
UDIN: 19013833AAAAES5293

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Non-Tariff Income

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Chamera-I Power Station

(Amount in Rs. Lakh)

Sl. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7	8
7	Income from rent of land or building						
8	Income from sale of scrap						
	Income from advertisement						

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

Incidental Expenditure during Construction

Name of the Petitioner :

NHPC Limited

Name of the Generating Station :

Chamera-I Power Station

(Amount in Rs. Lakh)

Sl. No.	Particulars	Up to Schedule COD	Upto actual / anticipated COD
1	2	3	4
A	Expenses:		
1	Employees' Benefits Expenses		
2	Finance Costs		
3	Water Charges		
4	Communication Expenses		
5	Power Charges		
6	Depreciation		
7	Other Office and Administrative Expenses		
8	Others (Please Specify Details)		
9	Other pre-Operating Expences		
		
B	Total Expenses		
	Less: Income from sale of tender		
	Less: Income from guest house		
	Less: Income recovered from Contractors		
	Less: Interest on Deposits		
		

NOT APPLICABLE

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Name of the Petitioner : NHPC Limited
 Name of the Generating Station : Chamera-I Power Station

Draw Down Schedule for Calculation of IDC & Financing Charges

Sl. No.	Draw Down Particulars	Quarter 1			Quarter 2			Quarter n (COD)		
		Quantum In Foreign currency	Exchange Rate on draw down date	Amount In Indian Rupee (Rs Lakh)	Quantum In Foreign currency	Exchange Rate on draw down date	Amount In Indian Rupee (Rs Lakh)	Quantum In Foreign currency	Exchange Rate on draw down date	Amount In Indian Rupee (Rs Lakh)
1	2	3	4	5	6	7	8	9	10	11
1	Loans									
1.1	Foreign Loan									
1.1.1	Foreign Loan ¹									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.2	Foreign Loan ²									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.3	Foreign Loan ³									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.4									
									
									
1.1	Total Foreign Loan									
	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.2	Indian Loans									
1.2.1	Indian Loan ¹									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.2	Indian Loan ²									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.3	Indian Loan ³									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.4									
									
									
1.2	Total Indian Loans									
	Draw down Amount									
	IDC									
	Financing charges									
1	Total Loans drawn									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
2	Equity									
2.1	Foreign equity drawn									
2.2	Indian equity drawn									
	Total equity deployed									

NOT APPLICABLE

Note:

1. Drawal of debt and equity shall be on paripassu basis quarter wise to meet the commissioning schedule. Drawal of higher equity in the beginning is permissible.
2. Applicable interest rates including reset dates used for above computation may be furnished separately.
3. In case of multi unit project details of capitalisation ratio used to be furnished.
4. Detailed calculation of IDC (Actual drawl and repayment dates and amount, rates of interest, etc.) should be furnished.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited

(Signature)
(M G Gokhale)
General Manager (Comm.)

Actual cash expenditure

Name of the Petitioner : NHPC Limited
Name of the Generating Station : Chamera-I Power Station

(Amount in Rs. Lakh)

Particulars	Quarter-I	Quarter-II	Quarter-III	Quarter-n (COD)
1	2	3	4	5
Expenditure towards Gross Block				
add: Expenditure towards CWIP				
Add: capital Advances, if any				
Less: un-discharged liabilities (included above).				
Add/Less: Others	NOT APPLICABLE			
payment to contractors/ suppliers toward capital assets				
Cummulative paymenys				

Note: If there is variation between payment and fund deployment justification need to be furnished.

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

Design energy and peaking capability (monthwise) - ROR with Pondage / Storage type new stations

Generating Company : NHPC LTD.
 Name of Hydro-electric Generating Station : Chamera-I Power Station
 Installed Capacity : 3 X 180 MW = 540 MW

Month		Design Energy* (MUs)	Designed Peaking Capability (MW)*
April	I	21.08	540
	II	25.57	
	III	52.37	
May	I	57.17	
	II	54.85	
	III	72.52	
June	I	56.00	
	II	65.20	
	III	62.26	
July	I	93.71	
	II	80.81	
	III	105.11	
August	I	105.53	
	II	116.20	
	III	118.53	
September	I	71.66	
	II	54.33	
	III	42.18	
October	I	34.82	
	II	30.05	
	III	32.05	
November	I	24.01	
	II	20.96	
	III	20.94	
December	I	16.11	
	II	20.89	
	III	22.93	
January	I	20.82	
	II	20.78	
	III	22.85	
February	I	20.79	
	II	20.72	
	III	16.62	
March	I	20.03	
	II	20.89	
	III	23.22	
Total		1664.55	

* As per DPR / TEC of CEA dated

Note:

Specify the number of peaking hours for which station has been designed. - Not less than three hours.

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited

(Signature)
**(M G Gokhale)
 General Manager (Comml.)**

Design Energy and MW Continuous (month-wise) - ROR type stations

Generating Company: NHPC Limited

Name of Hydro - electric Station: Chamera-I Power Station

Installed Capacity: No. of units x MW = 3 X 180 MW

Month		Design Energy*(MUs)	MW continuous*
April	I	Not Applicable	
	II		
	III		
May	I		
	II		
	III		
June	I		
	II		
	III		
July	I		
	II		
	III		
August	I		
	II		
	III		
September	I		
	II		
	III		
October	I		
	II		
	III		
November	I		
	II		
	III		
December	I		
	II		
	III		
January	I		
	II		
	III		
February	I		
	II		
	III		
March	I		
	II		
	III		
TOTAL			

* As per DPR/TEC of CEA dated.....

For Arora Vohra & Co.
Chartered Accountants



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

Liability Flow Statement

Name of the Petitioner :
Name of the Generating Station :NHPC Limited
Chamera-I Power Station

(₹ in lakh)

Party	Asset / Work	Year of actual capitalisation	Original Liability	Liability as on 31.03.2019	2019-20		Liability as on 31.03.2020	2020-21		Liability as on 31.03.2021	2021-22		Liability as on 31.03.2022	2022-23		Liability as on 31.03.2023	2023-24		Liability as on 31.03.2024
					Discharges	Reversal		Discharges	Reversal		Discharges	Reversal		Discharges	Reversal		Discharges	Reversal	
Interface device & Service	Digital Panel Meter with Monitoring software and Communication	2017-18	52,868	52,868	52,868		0			0					0				0
BEML Limited	Loader cum Excavator	2018-19	223,871	223,871	223,871		0			0					0				0
Omega Elevators	Elevator for Power House and Dam	2018-19	1,351,928	1,351,928	1,351,928		0			0					0				0
Siemens, BHEL and GE Power India Limited	Construction of Shunt Reactor Foundation in Switchyard	2018-19	12,188,993	12,188,993	12,188,993		0			0					0				0
Sriram Envirotech	Construction of Executive Field Hostel - Sewage	2018-19	102,850	102,850	102,850		0			0					0				0
Kuldeep Raj Sharma	Construction of Executive Field Hostel - Sewage Treatment Plant	2018-19	131,157	131,157	131,157		0			0					0				0
GE Power India Limited	Digital Excitation System	2018-19	43,126,311	43,126,311	43,126,311		0			0					0				0
Rexel India Private Limited	Digital Water Level Sensor and TRL measurement system with monitoring software	2018-19	144,527	144,527	144,527		0			0					0				0
Total			57,322,505	57,322,505	57,322,505	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Liabilities against provision made during 2010-11																			
CCL	Power Tunnels and Pipelines	2010-11	11,305,338	11,305,338			11,305,338			11,305,338			11,305,338			11,305,338			11,305,338
CCL	Power Tunnels and Pipelines	2010-11	15,952,276	15,952,276	15,952,276		0			0			0		0				0
CCL	Power Tunnels and Pipelines	2010-11	23,254,786	23,254,786			23,254,786			23,254,786			23,254,786		23,254,786				23,254,786
CCL	Tailrace Tunnels	2010-11	18,688,414	18,688,414			18,688,414			18,688,414			18,688,414		18,688,414				18,688,414
CCL	Tailrace Tunnels	2010-11	1,875,889	1,875,889	1,875,889		0			0			0		0				0
CCL	Tailrace Tunnels	2010-11	18,836,468	18,836,468			18,836,468			18,836,468			18,836,468		18,836,468				18,836,468
JAI PRAKASH	Dams and Barrages	2010-11	103,500,000	103,500,000			103,500,000			103,500,000			103,500,000		103,500,000				103,500,000
JAI PRAKASH	Dams and Barrages	2010-11	21,100,000	21,100,000			21,100,000			21,100,000			21,100,000		21,100,000				21,100,000
Total			214,513,171	214,513,171	17,828,165	0	196,685,006	0	0	196,685,006	0	0	196,685,006	0	0	196,685,006	0	0	196,685,006

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited

(M G Gokhale)
General Manager (Comm.)

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Operation and maintenance Expense

In case of hydro generating stations declared under commercial on or after 1.4.2019

Total capital expenditure up to cutoff date(a)	Not Applicable
R& R Expenditure (b)	
IDC & IEDC (c)	
Capital cost considered for O&M expense (d)=(a)-(b)-(c)	
First year annualize O&M expenses @ 3.5% of above (e)=3.50% of (d)	
O&M expense for next year @ 4.77% of above (f)= 4.77% of (e)	
Additional O&M expenses due to 7th Pay Commission wage Revision	
Additional O&M expenses due to Minimum wage Revision	
Additional O&M expenses due to Goods and Service Tax (GST)	

Note: Additional O&M expenses with supporting documents and computations to be provided for respective years of Tariff Period

**For Arora Vohra & Co.
Chartered Accountants**



For NHPC Limited


(M G Gokhale)
General Manager (Comml.)

Operation and maintenance Expense for Existing Generating Stations

(Amount in Lakh)

Description/Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
O&M expense allowed as regulation 35(2)(a) of CERC Tariff Regulations'2019		11773.57	12334.77	12922.71	13538.68	14184.00
Additional O&M expenses due to 3rd Pay Commission wage Revision	1372.62	1438.09	1506.69	1578.56	1653.86	1732.75
Additional O&M expenses due to Goods and Service Tax (GST)	114.54	120.00	125.73	131.72	138.01	144.59
Additional O&M Expenses due to pay revision of KV Staff	22.39	23.45	24.57	25.75	26.97	28.26
Total O&M Expences		13355.12	13991.76	14658.74	15357.52	16089.60
Security Expences (estimated)	1269.50	1330.06	1393.50	1459.97	1529.61	1602.58

For Arora Vohra & Co.
Chartered Accountants

Partner : A.K. Aggarwal
M. No. 013833
UDIN: 19013833AAAAES5293



For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Details of Statutory Charges (If applicable)

Name of the Petitioner: NHPC Limited

Name of the Generating Stations: Chamera-I Power Station

Particulars	Unit Rate	No of Units	Amount Claimed
1	2	3	4
Electricity Duty	Not Applicable		
Water Cess			

For Arora Vohra & Co.
Chartered Accountants

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

Summary of issue involved in the petition

1	Petitioner: NHPC Limited				
2	Subject: Petition under 79(1) & 86 of the CERC (Conduct of Business), Regulations, 1999, Section 62(1)(a) of the Electricity Act, 2003 and Regulation 9(2), 10(1), 12, 25, 26 & 35 (2) of CERC (Terms and Conditions of Tariff) Regulations, 2019 of CERC (Terms and Conditions of Tariff) Regulations' 2019 for determination of tariff for the period 2019-24 in respect of Chamera-I Power Station.				
3	<p>Prayer:</p> <p>1. Tariff of Chamera-I Power Station for the period 01.04.2019 to 31.03.2024 may be determined under Section 62(1) (a) of the Electricity Act, 2003 read with regulation-9(2) of the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2019 issued on 07.03.2019.</p> <p>2. Allow the net additional capitalization for the period 2019-24 as claimed in para-6 (Part-B).</p> <p>3. To allow the impact of wage revision and GST as additional O&M expenses as mentioned in para-7 (d) (Part-B).</p> <p>4. To allow the estimated security expenses separately to be recovered from beneficiaries during 2019-24 as mentioned in para-7(d) (Part-B).</p> <p>5. The Annual Fixed Charges (AFC) of Chamera-I Power Station for the period 2019-24 has been worked out as ₹30233.40 lakh, ₹31061.91 lakh, ₹31927.04 lakh, ₹32757.25 lakh & ₹ 33570.52 lakh for the FY 2019-20, 2020-21, 2021-22, 2022-23, & 2023-24 respectively, as mentioned in para-8 (Part-B) above. The difference between calculated AFC and that allowed by CERC vide order dated 04.09.2015 (for the period 2018-19) may be allowed to be recovered / refunded from / to the respondents in the manner specified in Regulation 10(7) of CERC (Terms & Conditions of Tariff) Regulations, 2019 and its subsequent amendments.</p> <p>6. Allow the petitioner to claim additional capital expenditure on account of acquiring the minor items or the assets including tools and tackles at the time of truing up of tariff as mentioned in para-9 (Part-B).</p> <p>7. Allow reimbursement of filing fee of this petition as mentioned in para-10 [Part-B].</p> <p>8. Allow reimbursement of expenses incurred on publication of notices in the application of tariff for the period 2019-24 as mentioned in para-11 [Part-B].</p> <p>9. NHPC may be allowed to bill the Respondents for levies, taxes, duties, cess, charges, fee etc. if any, as mentioned in para-12 to 14 (Part-B) above.</p> <p>10. Pass such other and further order / orders as are deemed fit and proper in the facts and circumstances of the case.</p>				
4	Respondents				
	Name of Respondents:				
	1	Punjab State Power Corporation Ltd			
	2	Haryana Power Purchase Centre			
	3	BSES Rajdhani Power Ltd.			
	4	BSES Yamuna Power Ltd			
	5	Tata Power Delhi Distribution Ltd.			
	6	Himachal Pradesh State Electricity Board			
	7	Uttar Pradesh Power Corporation Ltd			
	8	Ajmer Vidyut Vitaran Nigam Limited			
	9	Jaipur Vidyut Vitaran Nigam Limited			
	10	Jodhpur Vidyut Vitaran Nigam Limited			
	11	Uttaranchal Power Corporation Ltd			
	12	UT Chandigarh			
	13	Power Development Department- Jammu & Kashmir			
5	Project Scope	IC	540 MW		
		DE	1664.55 MU		
		FEHS	12%		
		AUX	1.20%		
		NAPAF	90%		
	Cost	Sanction Cost	-		
		Latest RCE	-		
	Commissioning	Unit/Station COD	01.05.1994		
Claim					
		2019-20	2020-21	2021-22	2022-23
	AFC (Rs in lakh)	30,233.40	31,061.91	31,927.04	32,757.25
	Capital cost (Rs in lakh)	209,188.13	210,802.65	211,896.84	212,433.50
	Initial Spare	-	-	-	-
	NAPAF		90%		
	Design Energy		1664.56 MU		
	Any Specific				

For NHPC Limited

(M G Gokhale)
General Manager (Comml.)

ANNEX-III

Details Gain on Auxiliary Consumption shared with beneficiaries during 2014-19

Chamera-I Power Station

(Amount in Rs.)

Net Gain	10005824	9781270	8411510	9006527	9646236	
Gain Shared (40%)	4002330	3912508	3364604	3602611	3858494	
Sharing of Gain						
Sl.No	Beneficiaries	2014-15	2015-16	2016-17	2017-18	2018-19
1	AVVN	253214	254357	213129	225651	238196
2	BRPL	155871	102108	173477	213936	152533
3	BYPL	90144	0	0	0	88213
4	HPPC	720747	732302	613598	649653	694594
5	HPSEB	124111	119994	98911	103498	117355
6	J&K	177905	180759	151463	160331	171450
7	JdVVN	286110	290694	243577	257887	278150
8	JVVN	354769	363367	304471	322359	345304
9	TPDDL	110570	112339	94124	110910	106551
10	PSEB	465304	472756	396122	419415	448410
11	UPCL	161036	163614	137080	145143	155184
12	UPPCL	924645	939462	787200	833452	891103
13	UTC	177903	180756	151452	160376	171450
	Total	4002330	3912508	3364604	3602611	3858494





NHPC Ltd.
(A Schedule 'A' Enterprise of Govt. of India)
NHPC Office Complex, Sector 33, Faridabad - 121003

Address of Beneficiary DY. CHIEF ENGINEER / ISB PUNJAB STATE POWER CORPORATION LTD. SHED NO.T- 1A, THERMAL DESIGNS, PSPCL PATIALA - PUNJAB Beneficiary GST No. : 03AAFCP5120Q1ZC	BILL FOR FY 2014 - 2015 BILL TYPE SUPPLEMENTARY MONTH 201503 BILL NO 105B0012017964 BILL DATE 22-Mar-2018 HSN NO. : 27160000 Acc. Rev. 10
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PROJECT CHAMERA-I	IMS/COM/F01 Rev. No. : 00 Date : 27.06.08
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KHAIRI, DISTT. CHAMBA PIN - 176325 - KHAIRI HP IN - INDIA
PROJECT GST No. : 02AAACN0149C1ZB

Date of Commercial Operation	COD	19940501	*	Normative Plant Availability Factor	NAPAF	90.000	%
Project age	P_AGE	19	year	Saleable Annual design energy	SLDE	1447.226352	MU
Annual DE	ADE	1664.550000	MU	Energy Charge Rate - AC-Normative	ECR_NOR	1.009	Rs/Kwh
Auxilliary Consumption-Normative	AC_NOR	1.200	%	Energy Charge Rate - AC-Actual	ECR_ACT	1.004	Rs/Kwh
Auxilliary Consumption-Actual	AC_ACT	0.700	%	Secondary Energy Charge Rate	SE_RATE1419	0.900	Rs/Kwh
Design Energy upto the month	DE	1664.550000	MU	Saleable Design Energy for the month	SLDEM	1447.226352	MU
Annual Fixed Charges Billed	AFC	292.101600	Cr	No of days for the month	NDM	365	Days
Saleable Annual design energy-AC-Actual	SLDE_ACT	1454.550372	MU	No of days in year	NDY	365	Days
Project Scheduled Energy prev year	PSCH_PY1	2331.511678	MU				
Project Scheduled Energy prev to prev year	PSCH_PY2	2437.879749	MU				
				Plant Availability Factor for the Month	PAFM	96.384	%
				Saleable Capacity Share	CS	10.200	%

(A) Power Station-wise Energy Calculation for FY 2014 - 2015 (Figures in Rs.)							
Scheduled Energy	PSCH	2516.784417	MU	Project Energy Charges @ECR	PEC_DE_ECR	1460251389	Rs
Free Energy	PFP	306.503158	MU	Project Energy charges beyond DE	PEC_DE_PLUS	686749416	Rs
Saleable Energy	PSLE	2210.281259	MU	Capacity Charges	PCC	1564106701	Rs
Project Saleable Energy upto DE	PSLE_DE	1447.226352	MU	Misc. Charges	PMISC	2376000	Rs
Saleable Energy upto DE@ECR	PSLE_DE_ECR	1447.226352	MU	Project deferred tax materialized	PDTAX	216161159	Rs
Project saleable energy beyond DE	PSLE_DE_PLUS	763.054907	MU	RLDC Charges	PRLDC	5037720	Rs
				Total Charges	PTC	3934682385	Rs

(B) Beneficiary-wise Power Calculation in (MU)					
Description		Upto Previous Bill	Upto Current Bill	Current Bill	
Beneficiary Scheduled Energy	BSCH	256.692885	256.692885	0.000000	
Saleable Energy	BSLE	256.692885	256.692885	0.000000	
Benif Saleable Energy @ECR	BSLE_DE_ECR	168.074857	168.074857	0.000000	
Beneficiary Saleable Energy beyond DE	BSLE_DE_PLUS	88.618028	88.618028	0.000000	

(C) Bill Details for FY 2014 - 2015 (Figures in Rs.)					
Description		Upto Previous Bill	Upto Current Bill	Current Bill	
Benif Energy Charges upto DE @ECR	BEC_DE_ECR	169,587,531	169,587,531	0	
Benif Energy charges beyond DE	BEC_DE_PLUS	79,756,225	79,756,225	0	
Beneficiary Capacity Charges	BCC	181,294,186	181,294,186	0	
Beneficiary Misc	BMISC	275,400	275,400	0	
Beneficiary deferred tax materialized	BDTAX	25,055,043	25,055,043	0	
Benif RLDC Charges	BRLDC	603,386	583,918	-19,468	
Gain on Actual Aux. Consumption	GAIN_ON_AC	-465,304	-465,304	0	

Total Charges	456,106,467	456,086,999	-19,468
Amount Due In This Bill			-19,468
Amount For The Purpose Of Rebate #			-19,468

(D) Outstanding - Principal (Rs)						
Description	Previous Balance	Amount Billed	Amount Received	Rebate Allowed	Adjustments	Total


 AJAY KUMAR SINGH
 DM (FINANCE) - FARIDABAD
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NHPC Ltd.
(A Schedule 'A' Enterprise of Govt. of India)
NHPC Office Complex, Sector 33, Faridabad - 121003

Address of Beneficiary	BILL FOR FY 2015 - 2016 BILL TYPE SUPPLEMENTARY MONTH 201603 BILL NO 105B0012018976 BILL DATE 14-Jun-2018 HSN NO. : 27160000	Acc. Rev. 6
DY. CHIEF ENGINEER / ISB PUNJAB STATE POWER CORPORATION LTD. SHED NO.T- 1A, THERMAL DESIGNS, PSPCL PATIALA - PUNJAB Beneficiary GST No. : 03AAFCP5120Q1ZC		

PROJECT CHAMERA-I	IMS/COM/F01 Rev. No. : 00 Date : 27.06.08
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KHAIRI, DISTT. CHAMBA PIN - 176325 - KHAIRI HP IN - INDIA
PROJECT GST No. : 02AAACN0149C1ZB

Date of Commercial Operation	COD	19940501	*	Normative Plant Availability Factor	NAPAF	90.000	%
Project age	P_AGE	20	year	Saleable Annual design energy	SLDE	1447.226352	MU
Annual DE	ADE	1664.550000	MU	Energy Charge Rate - AC-Normative	ECR_NOR	1.047	Rs/Kwh
Auxilliary Consumption-Normative	AC_NOR	1.200	%	Energy Charge Rate - AC-Actual	ECR_ACT	1.042	Rs/Kwh
Auxilliary Consumption-Actual	AC_ACT	0.700	%	Secondary Energy Charge Rate	SE_RATE1419	0.900	Rs/Kwh
Design Energy upto the month	DE	1664.550000	MU	Saleable Design Energy for the month	SLDEM	1447.226352	MU
Annual Fixed Charges Billed	AFC	303.191400	Cr	No of days for the month	NDM	366	Days
Saleable Annual design energy-AC-Actual	SLDE_ACT	1454.550372	MU	No of days in year	NDY	366	Days
Project Scheduled Energy prev year	PSCH_PY1	2516.784417	MU	Plant Availability Factor for the Month	PAFM	96.093	%
Project Scheduled Energy prev to prev year	PSCH_PY2	2331.511678	MU	Saleable Capacity Share	CS	10.200	%

(A) Power Station-wise Energy Calculation for FY 2015 - 2016 (Figures in Rs.)

Scheduled Energy	PSCH	2554.133030	MU	Project Energy Charges @ECR	PEC_DE_ECR	1515245991	Rs
Free Energy	PFP	314.782020	MU	Project Energy charges beyond DE	PEC_DE_PLUS	712912192	Rs
Saleable Energy	PSLE	2239.351010	MU	Capacity Charges	PCC	1618587289	Rs
Project Saleable Energy upto DE	PSLE_DE	1447.226352	MU	Misc. Charges	PMISC	2773671	Rs
Saleable Energy upto DE@ECR	PSLE_DE_ECR	1447.226352	MU	Project deferred tax materialized	PDTAX	227003231	Rs
Project saleable energy beyond DE	PSLE_DE_PLUS	792.124658	MU	RLDC Charges	PRLDC	4143912	Rs
				Total Charges	PTC	4080666286	Rs

(B) Beneficiary-wise Power Calculation in (MU)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Beneficiary Scheduled Energy	BSCH	260.803513	260.803513	0.000000
Saleable Energy	BSLE	260.803513	260.803513	0.000000
Benef Saleable Energy @ECR	BSLE_DE_ECR	168.549600	168.549600	0.000000
Beneficiary Saleable Energy beyond DE	BSLE_DE_PLUS	92.253913	92.253913	0.000000

(C) Bill Details for FY 2015 - 2016 (Figures in Rs.)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Benef Energy Charges upto DE @ECR	BEC_DE_ECR	176,471,431	176,471,431	0
Benef Energy charges beyond DE	BEC_DE_PLUS	83,028,522	83,028,522	0
Beneficiary Capacity Charges	BCC	187,556,075	187,608,981	52,906
Beneficiary Misc	BMISC	321,494	321,494	0
Beneficiary deferred tax materialized	BDTAX	26,311,738	26,311,738	0
Benef RLDC Charges	BRLDC	480,317	480,317	0
Gain on Actual Aux. Consumption	GAIN_ON_AC	-472,756	-472,756	0

Total Charges	473,696,821	473,749,727	52,906
Amount Due In This Bill			52,906
Amount For The Purpose Of Rebate #			52,906

(D) Outstanding - Principal (Rs)

Description	Previous Balance	Amount Billed	Amount Received	Rebate Allowed	Adjustments	Total
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(Prashant Agarwal)





NHPC Ltd.
(A Schedule 'A' Enterprise of Govt. of India)
NHPC Office Complex, Sector 33, Faridabad - 121003

Address of Beneficiary	BILL FOR FY 2016 - 2017 BILL TYPE SUPPLEMENTARY MONTH 201703 BILL NO 105B0312017636 BILL DATE 26-Mar-2018 HSN No. : 27160000	Acc. Rev. 3
AGM, POWER MANAGEMENT GROUP TATA POWER DELHI DISTRIBUTION LTD POWER MANAGEMENT GROUP,1ST FLOOR, CENNET SCADA BUILDG.,NEAR PP-3 GRID PITAMPURA,DELHI - 110009 DELHI Beneficiary GST No. : 07AABCN6808R1ZV		
PROJECT CHAMERA-I	IMS/COM/F01 Rev. No. : 00 Date : 27.06.08	

KHAIRI, DISTT. CHAMBA PIN - 176325 - KHAIRI HP IN - INDIA
PROJECT GST No. : 02AAACN0149C1ZB

Date of Commercial Operation	COD	19940501	*	Normative Plant Availability Factor	NAPAF	90.000	%
Project age	P_AGE	21	year	Saleable Annual design energy	SLDE	1447.226352	MU
Annual DE	ADE	1664.550000	MU	Energy Charge Rate - AC-Normative	ECR_NOR	1.082	Rs/KWh
Auxilliary Consumption-Normative	AC_NOR	1.200	%	Energy Charge Rate - AC-Actual	ECR_ACT	1.076	Rs/KWh
Auxilliary Consumption-Actual	AC_ACT	0.700	%	Secondary Energy Charge Rate	SE_RATE1419	0.900	Rs/KWh
Design Energy upto the month	DE	1664.550000	MU	Saleable Design Energy for the month	SLDEM	1447.226352	MU
Annual Fixed Charges Billed	AFC	313.077800	Cr	No of days for the month	NDM	365	Days
Saleable Annual design energy-AC-Actual	SLDE_ACT	1454.550372	MU	No of days in year	NDY	365	Days
Project Scheduled Energy prev year	PSCH_PY1	2554.133030	MU	Plant Availability Factor for the Month	PAFM	98.023	%
Project Scheduled Energy prev to prev year	PSCH_PY2	2516.784417	MU	Saleable Capacity Share	CS	2.423	%

(A) Power Station-wise Energy Calculation for FY 2016 - 2017 (Figures in Rs.)

Scheduled Energy	PSCH	2142.165777	MU	Project Energy Charges @ECR	PEC_DE_ECR	1565898913	Rs
Free Energy	PFP	264.654208	MU	Project Energy charges beyond DE	PEC_DE_PLUS	387256695	Rs
Saleable Energy	PSLE	1877.511569	MU	Capacity Charges	PCC	1704934733	Rs
Project Saleable Energy upto DE	PSLE_DE	1447.226352	MU	Misc. Charges	PMISC	2376000	Rs
Saleable Energy upto DE@ECR	PSLE_DE_ECR	1447.226352	MU	Project deferred tax materialized	PDTAX	231192842	Rs
Project saleable energy beyond DE	PSLE_DE_PLUS	430.285217	MU	RLDC Charges	PRLDC	4666954	Rs
				Total Charges	PTC	3896326137	Rs

(B) Beneficiary-wise Power Calculation in (MU)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Beneficiary Scheduled Energy	BSCH	51.925035	51.925035	0.000000
Saleable Energy	BSLE	51.925035	51.925035	0.000000
Benif Saleable Energy @ECR	BSLE_DE_ECR	39.994893	40.024935	0.030042
Beneficiary Saleable Energy beyond DE	BSLE_DE_PLUS	11.930142	11.900100	-0.030042

(C) Bill Details for FY 2016 - 2017 (Figures in Rs.)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Benif Energy Charges upto DE @ECR	BEC_DE_ECR	43,274,474	43,306,980	32,506
Benif Energy charges beyond DE	BEC_DE_PLUS	10,737,128	10,710,090	-27,038
Beneficiary Capacity Charges	BCC	46,943,828	46,943,828	0
Beneficiary Misc	BMISC	65,421	65,421	0
Beneficiary deferred tax materialized	BDTAX	6,365,685	6,365,685	0
Benef RLDC Charges	BRLDC	113,080	113,080	0
Gain on Actual Aux. Consumption	GAIN_ON_AC	-94,124	-94,124	0

Total Charges	107,405,492	107,410,960	5,468
Amount Due In This Bill			5,468
Amount For The Purpose Of Rebate #			5,468

(D) Outstanding - Principal (Rs)

Description	Previous Balance	Amount Billed	Amount Received	Rebate Allowed	Adjustments	Total
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(Prashant Agarwal)





NHPC Ltd.
(A Schedule 'A' Enterprise of Govt. of India)
NHPC Office Complex, Sector 33, Faridabad - 121003

Address of Beneficiary AGM, POWER MANAGEMENT GROUP TATA POWER DELHI DISTRIBUTION LTD POWER MANAGEMENT GROUP, 1ST FLOOR, CENNET SCADA BLDG., NEAR PP-3 GRID PITAMPURA, DELHI - 110009 DELHI Beneficiary GST No. : 07AABCN6808R1ZV	BILL FOR FY 2017 - 2018 BILL TYPE SUPPLEMENTARY MONTH 201803 BILL NO 105B0312019678 BILL DATE 22-Aug-2019 HSN No. : 27160000 Acc. Rev. 2
PROJECT CHAMERA-I	IMS/COM/F01 Rev. No. : 00 Date : 27.06.08

KHAIRI, DISTT. CHAMBA PIN - 176325 - KHAIRI HP IN - INDIA
 PROJECT GST No. : 02AAACN0149C1ZB

Date of Commercial Operation	COD	19940501	*	Normative Plant Availability Factor	NAPAF	90.000	%
Project age	P_AGE	22	year	Saleable Annual design energy	SLDE	1447.226352	MU
Annual DE	ADE	1664.550000	MU	Energy Charge Rate - AC-Normative	ECR_NOR	1.115	Rs/Kwh
Auxilliary Consumption-Normative	AC_NOR	1.200	%	Energy Charge Rate - AC-Actual	ECR_ACT	1.109	Rs/Kwh
Auxilliary Consumption-Actual	AC_ACT	0.700	%	Secondary Energy Charge Rate	SE_RATE1419	0.900	Rs/Kwh
Design Energy upto the month	DE	1664.550000	MU	Saleable Design Energy for the month	SLDEM	1447.226352	MU
Annual Fixed Charges Billed	AFC	322.654800	Cr	No of days for the month	NDM	365	Days
Saleable Annual design energy-AC-Actual	SLDE_ACT	1454.550372	MU	No of days in year	NDY	365	Days
Project Scheduled Energy prev year	PSCH_PY1	2142.165777	MU				
Project Scheduled Energy prev to prev year	PSCH_PY2	2554.133030	MU				
				Plant Availability Factor for the Month	PAFM	98.183	%
				Saleable Capacity Share	CS	2.423	%

(A) Power Station-wise Energy Calculation for FY 2017 - 2018 (Figures in Rs.)

Scheduled Energy	PSCH	2268.340708	MU	Project Energy Charges @ECR	PEC_DE_ECR	1613657382	Rs
Free Energy	PFP	280.900482	MU	Project Energy charges beyond DE	PEC_DE_PLUS	486192487	Rs
Saleable Energy	PSLE	1987.440226	MU	Capacity Charges	PCC	1759956457	Rs
Project Saleable Energy upto DE	PSLE_DE	1447.226352	MU	Misc. Charges	PMISC	2376000	Rs
Saleable Energy upto DE@ECR	PSLE_DE_ECR	1447.226352	MU	Project deferred tax materialized	PDTAX	234831463	Rs
Project saleable energy beyond DE	PSLE_DE_PLUS	540.213874	MU	RLDC Charges	PRLDC	3329007	Rs
				Total Charges	PTC	4100342796	Rs

(B) Beneficiary-wise Power Calculation in (MU)

Description		Upto Previous Bil	Upto Current Bill	Current Bill
Beneficiary Scheduled Energy	BSCH	54.963668	54.980647	0.016979
Beneficiary Saleable Energy	BSLE	54.963668	54.980647	0.016979
Beneficiary Saleable Energy @ECR	BSLE_DE_ECR	40.011888	40.036143	0.024255
Beneficiary Saleable Energy beyond DE	BSLE_DE_PLUS	14.951780	14.944504	-0.007276

(C) Bill Details for FY 2017 - 2018 (Figures in Rs.)

Description		Upto Previous Bil	Upto Current Bill	Current Bill
Benef Energy Charges upto DE @ECR	BEC_DE_ECR	44,613,255	44,640,299	27,044
Benef Energy charges beyond DE	BEC_DE_PLUS	13,456,602	13,450,054	-6,548
Beneficiary Capacity Charges	BCC	48,458,801	48,458,801	0
Beneficiary Misc	BMISC	65,421	65,421	0
Beneficiary deferred tax materialized	BDTAX	6,465,871	6,465,871	0
Benef RLDC Charges	BRLDC	80,662	80,662	0
Gain on Actual Aux. Consumption	GAIN_ON_AC	-99,632	-99,663	-31

Total Charges	113,040,980	113,061,445	20,465
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NHPC Ltd.
(A Schedule 'A' Enterprise of Govt. of India)
NHPC Office Complex, Sector 33, Faridabad - 121003

Address of Beneficiary DY. CHIEF ENGINEER / ISB PUNJAB STATE POWER CORPORATION LTD. SHED NO.T- 1A, THERMAL DESIGNS, PSPCL PATIALA - PUNJAB Beneficiary GST No. : 03AAFCP5120Q1ZC	BILL FOR FY 2018 - 2019 BILL TYPE SUPPLEMENTARY MONTH 201903 BILL NO 105B00120191001 BILL DATE 20-Jun-2019 HSN NO. : 27160000 Acc. Rev. 2
PROJECT CHAMERA-I	IMS/COM/F01 Rev. No. : 00 Date : 27.06.08

KHAIRI, DISTT. CHAMBA PIN - 176325 - KHAIRI HP IN - INDIA
PROJECT GST No. : 02AAACN0149C1ZB

Date of Commercial Operation	COD	19940501	*	Normative Plant Availability Factor	NAPAF	90.000	%
Project age	P_AGE	23	year	Saleable Annual design energy	SLDE	1447.226352	MU
Annual DE	ADE	1664.550000	MU	Energy Charge Rate - AC-Normative	ECR_NOR	1.149	Rs/Kwh
Auxilliary Consumption-Normative	AC_NOR	1.200	%	Energy Charge Rate - AC-Actual	ECR_ACT	1.143	Rs/Kwh
Auxilliary Consumption-Actual	AC_ACT	0.700	%	Secondary Energy Charge Rate	SE_RATE1419	0.900	Rs/Kwh
Design Energy upto the month	DE	1664.550000	MU	Saleable Design Energy for the month	SLDEM	1447.226352	MU
Annual Fixed Charges Billed	AFC	332.430500	Cr	No of days for the month	NDM	365	Days
Saleable Annual design energy-AC-Actual	SLDE_ACT	1454.550372	MU	No of days in year	NDY	365	Days
Project Scheduled Energy prev year	PSCH_PY1	2268.340708	MU				
Project Scheduled Energy prev to prev year	PSCH_PY2	2142.165777	MU				
				Plant Availability Factor for the Month	PAFM	99.490	%
				Saleable Capacity Share	CS	10.200	%

(A) Power Station-wise Energy Calculation for FY 2018 - 2019 (Figures in Rs.)

Scheduled Energy	PSCH	2425.219695	MU	Project Energy Charges @ECR	PEC_DE_ECR	1662863078	Rs
Free Energy	PFP	296.616903	MU	Project Energy charges beyond DE	PEC_DE_PLUS	613238796	Rs
Saleable Energy	PSLE	2128.602792	MU	Capacity Charges	PCC	1837417247	Rs
Project Saleable Energy upto DE	PSLE_DE	1447.226352	MU	Misc. Charges	PMISC	2376000	Rs
Saleable Energy upto DE@ECR	PSLE_DE_ECR	1447.226352	MU	Project deferred tax materialized	PDTAX	241547241	Rs
Project saleable energy beyond DE	PSLE_DE_PLUS	681.376440	MU	RLDC Charges	PRLDC	3437926	Rs
				Total Charges	PTC	4360880288	Rs

(B) Beneficiary-wise Power Calculation in (MU)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Beneficiary Scheduled Energy	BSCH	247.372936	247.372936	0.000000
Beneficiary Saleable Energy	BSLE	247.372936	247.372936	0.000000
Beneficiary Saleable Energy @ECR	BSLE_DE_ECR	168.187617	168.187617	0.000000
Beneficiary Saleable Energy beyond DE	BSLE_DE_PLUS	79.185319	79.185319	0.000000

(C) Bill Details for FY 2018 - 2019 (Figures in Rs.)

Description		Upto Previous Bill	Upto Current Bill	Current Bill
Benef Energy Charges upto DE @ECR	BEC_DE_ECR	193,247,572	193,247,572	0
Benef Energy charges beyond DE	BEC_DE_PLUS	71,266,787	71,266,787	0
Beneficiary Capacity Charges	BCC	212,973,363	212,973,363	0
Beneficiary Misc	BMISC	275,400	275,400	0
Beneficiary deferred tax materialized	BDTAX	0	27,997,521	27,997,521
Benef RLDC Charges	BRLDC	350,668	350,668	0
Gain on Actual Aux. Consumption	GAIN_ON_AC	-448,410	-448,410	0

Total Charges	477,665,380	505,662,901	27,997,521
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AJAY KUMAR
 DM (FINANCE)
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ANNEX-IV

Details of Consumption of Capital Spares during 2014-19

Chamera-I Power Station

(Amount in Rs.)

2014-15

Object Id	Object Desc	Acq Date	Acquisition Value	Date of PUT TO USE
150000114	220V DC, 1800AH TUBULAR LEAD ACID BATTERY BANK ALONG WITH COMPLETE STANDARD RACK AND ACCESSORIES	23-02-15	4507720	23-03-15
2003040484	FIRE & SMOKE DETECTION AND ALARM SYSTEM WITH ALL ACCESSORIES (AS PER SCHEDULE OF QUANTITY) AT CPS-I	28-07-14	3249893	11-11-14
112000214	220VDC BOOST CUM FLOAT CHARGER ,THREE PHASE 415V AC, 230 AMP DC	28-01-15	776475	09-03-15
112000314	220VDC BOOST CUM FLOAT CHARGER ,THREE PHASE 415V AC, 230 AMP DC	28-01-15	776475	09-03-15
8963040001	Fire & Smoke detection system (Installation charges of object id 2003040484)	30-09-14	342169	11-11-14
1010000114	48V DC BOOST COM FLOAT CHARGER ,SINGLE PHASE 230V AC, 30 AMP DC	28-01-15	224910	09-03-15
8152010003	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	02-01-15	65010	10-02-15
8152010004	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	02-01-15	65010	10-02-15
8152010005	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	02-01-15	65010	10-02-15
8152010006	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	02-01-15	65010	10-02-15
8152010007	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	02-01-15	65010	10-02-15
8152010008	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	02-01-15	65010	10-02-15
8152010009	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	02-01-15	65010	10-02-15
8152010010	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	02-01-15	65010	10-02-15
7706010002	10" BUTTERFLY VALVE,TYPE-F1,BODY-CI,DISC-CFRM,SEAT-EPDM,SHAFT-318,PRES-10 KG/CM2,ACTUATOR-BARE SHAFT	17-10-12	18287	14-02-15
Total			10416009	

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Object Id	Object Desc	Acq Date	Acquisition Value	Date of PUT TO USE
2015-16				
8104030001	ONLINE VIBRATION MONITOR & ANA. SYSTEM WITH ALL ACC. FOR ALL THE 3 UNITS OF CPS-I, MC-MONITORING	22-01-15	3244458	12-02-15
1010000115	48V, 200 AH, NI-CD TYPE BATTERY BANK ALONG WITH COMPLETE ACCESSORIES AND RACKS	13-05-15	483803	20-06-15
6301040494	19 PANEL MOUNTED INDUSTRIAL COMPUTER - PORTWELL LAXONS	07-11-15	165375	31-12-15
6301040495	19 PANEL MOUNTED INDUSTRIAL COMPUTER - PORTWELL LAXONS	07-11-15	165375	31-12-15
Total			4059011	
2016-17				
8152010011	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	28-09-16	68137	28-09-16
8152010012	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	28-09-16	68137	30-03-17
8152010013	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	28-09-16	68137	30-03-17
8152010014	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	28-09-16	68137	30-03-17
8152010015	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	28-09-16	68137	30-03-17
8152010016	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	28-09-16	68137	30-03-17
8152010017	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	28-09-16	68137	30-03-17
8152010018	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	28-09-16	68137	30-03-17
8152010019	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	28-09-16	68137	30-03-17
8152010020	DIAL TYPE THERMOMETER FOR BEARING PAD AND OIL, RANGE: 0 TO 150 DEG CENTIGRADE, FLUSH MOUNTING	28-09-16	68137	30-03-17
Total			681370	

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ANNEX-V

CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

Petition No. 237/GT/2014

Coram:

Shri Gireesh B. Pradhan, Chairperson
Shri A. K. Singhal, Member
Shri A.S. Bakshi, Member

Date of Hearing: 28.11.2014
Date of Order : 04.09.2015

IN THE MATTER OF

Revision of Annual Fixed Charges for the period 2012-14 after trueing-up exercise and Determination of annual fixed charges for the period 2014-19 in respect of Chamera-I Hydroelectric Power Station

AND

In the matter of

NHPC Limited
NHPC Office Complex,
Sector-33, Faridabad,
Haryana-121003

...Petitioner

Vs

1. Punjab State Power Corporation Limited
The Mall, Secretariat Complex,
Patiala – 147001
2. Haryana Power Purchase Centre,
Shakti Bhawan, Sector, 6
Panchkula – 134109
3. BSES Rajdhani Power Ltd
BSES Bhawan, Nehru Place,
New Delhi – 110019
4. BSES Yamuna Power Ltd
BSES Bhawan, Nehru Place,
New Delhi – 110 019
5. Tata Power Delhi Distribution Ltd
33 kV Sub-station, Kingsway Camp,
Delhi –110009
6. Himachal Pradesh State Electricity Board,
VidyutBhawan, Kumar House,
Shimla-171004
7. Uttar Pradesh Power Corporation Ltd
Shakti Bhawan, 14, Ashok Marg, Lucknow – 226001

8. Rajasthan Raja Vidyut Prasaran Nigam Ltd.
Vidut Bhavan, Janpath,
Jyoti Nagar, Jaipur-302005

9. Jaipur Vidyut Vitaran Nigam Ltd.,
Vidut Bhavan, Janpath,
Jaipur – 302005

10. Jodhpur Vidyut Vitaran Nigam Ltd.
New Power House, Industrial Area,
Jodhpur – 342003

11. Ajmer Vidyut Vitaran Nigam Ltd.
Old Power House, Hatthi Bhatta,
Jaipur Road, Ajmer – 305001

12. Uttaranchal Power Corporation Ltd,
UrjaBhawan, Kanwali Road,
Dehradun-248001

13. Engineering Department, UT Secretariat,
UT Secretariat, Sector 9D
Chandigarh-160009

14. Power Development Department,
New secretariat,
Jammu-180001 (J&K)

... Respondents

Parties present:

Shri A.K Pandey, NHPC
Shri S.K Meena, NHPC
Shri Piyush Kumar, NHPC
Shri R.B Sharma, Advocate, BRPL

ORDER

This petition has been filed by the petitioner, NHPC limited for revision of tariff of Chamara-I Hydroelectric Power Station (3 x 180 MW) ("the generating station") for the period from 1.4.2012 to 31.3.2014 after true-up exercise in terms of Regulation 6 of the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2009 ('the 2009 Tariff Regulations') and for determination of annual fixed charges for the period from 1.4.2014 to 31.3.2019 in accordance with the provisions of the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014 ('the 2014 Tariff Regulations').

2. The generating station having a capacity of 540 MW is located in the State of Himachal Pradesh and was declared under commercial operation on 1.5.1994.

3. The tariff of the generating station for the period from 1.4.2004 to 31.3.2009 was approved by the Commission vide its order dated 9.5.2006 in Petition No.39/2005 and was revised by order dated 5.2.2007 in Review Petition No.64/2006 (in Petition No.39/2005). Aggrieved by the said order, the petitioner had filed Appeal No.84/2007 before the Appellate Tribunal for Electricity (the Tribunal) raising the issues namely, (a) Allocation of additional capitalization for the period 1.4.2001 to 31.3.2004 towards debt and equity(b) on adoption of new debt equity ratio, the calculations of gross loan, return on equity and interest on loan have been completely distorted; and (c) Error in calculation of depreciable value in respect of unclassified land. As regards the allocation of additional capitalization for the period 1.4.2001 to 31.3.2004, the Commission undertook to review the debt-equity ratio as 68.99:31.01 for the period 2004-09 (instead of 69.63:30.37) in the light of the decision in Loktak HEP (another generating station of the petitioner) and pass necessary orders segregating the additional capital expenditure as considered for tariff determination for the period 2001-04. Accordingly, the Tribunal by order dated 5.2.2008 directed the Commission to pass consequential orders. The relevant extract of the order dated 5.2.2008 is as under:

"Having considered the whole matter we allow the appeal only to the extent of the two grounds mentioned above and set aside the impugned order and remand the matter to the CERC for reconsideration of the appellants claim

"1. With regard to the apportioning of the additional capitalization (including de-capitalization and FERV) for the period 1.4.2001 to 31.3.2004 in the same debt-equity ratio of 68.99:31.01 as admitted in the previous tariff period and

2. With regard to the adoption of new debt equity ratio, the calculations of gross loan, RoE and Interest on loan.

The Commission is at liberty to give further relief which will be consequent upon the Commission decision on the two above issues. The appellant as well as other respondents will be at liberty to challenge the order that CERC may now pass consequent upon the present directions."

4. Based on this, the only issue considered by the Tribunal in the said appeal was the error in the calculation of depreciable value of unclassified land and the same was dismissed by the Tribunal vide judgment dated 23.12.2009. During the pendency of the said appeal, the Commission vide order dated 21.12.2009 in Petition No.97/2009 had revised the annual fixed charges for the generating station after considering the additional capital expenditure incurred during the years 2004-05 and 2005-06. Subsequently, by order dated 3.9.2010 in Petition No. 206/2009, the annual fixed charges for 2004-09 was revised after considering the impact of additional capital expenditure for the period 2006-09.

5. Though the tariff of the generating station for the period 2004-09 had been revised by the Commission through various tariff orders, as stated above, it is observed that the segregation of the additional capital expenditure in the debt-equity ratio of 68.99:31.01 was inadvertently not considered in terms of the observations of the Tribunal in the said tariff orders, perhaps due to oversight. This inadvertent error is sought to be rectified by considering the debt-equity ratio of 68.99:31.01 for the period 2004-09. Consequent upon this, the other components of tariff will also undergo revision and accordingly the annual fixed charges for the period 2004-09 in respect of this generating station have been revised as stated in the subsequent paragraphs.

6. The annual fixed charges allowed for the generating station for the period 2004-09 by orders dated 21.12.2009 and 3.9.2010 is as under:

(` in lakh)

	2004-05	2005-06	2006-07	2007-08	2008-09
Depreciation	4920.64	3610.79	3624.12	3640.75	3648.74
Interest on Loan	2.22	0.00	0.00	0.00	0.00
Return on Equity	8592.81	8608.47	8623.21	8635.52	8642.69
Advance Against Depreciation	0.00	0.00	0.00	0.00	0.00
Interest on Working Capital	736.64	741.11	770.11	800.71	832.73
O & M Expenses	5934.00	6171.00	6418.00	6675.00	6942.00
Total	20186.32	19131.37	19435.45	19751.98	20066.16

Debt-Equity

7. The Commission in its order dated 9.5.2006 had considered the debt-equity ratio as on 1.4.2004 as under:

“DEBT-EQUITY RATIO

16. Clause (1) of Regulation 36 of the 2004 regulations inter alia provides that in case of the existing generating stations, debt-equity ratio Considered by the Commission for fixation of tariff for the period ending 31.3.2004 shall be considered for determination of tariff.

17. The petitioner has claimed tariff on the basis of debt and equity of 68.99:31.01 as was admitted by the Commission in the petition No. 60/2001 dated 23.2.2005. The additional capital expenditure/de-capitalization amounts as claimed is divided proportionately on the basis of debt-equity ratio as per previous tariff setting and has been deducted as normative loan and normative equity from the loan and equity as on 1.4.2004.

18. It is noted that the petitioner in Annexure to Form No. 1 in the petition has shown the capital cost, and financing of capital cost as under:

19. Debt and equity allowed to finance the capital expenditure by order dated 23.2.2005 has been considered in the calculation. De-capitalization for the years 2001-02 to 2003-04 and assets declared by the petitioner as "not in use" (taken en-block) declared by the petitioner as on 1.4.2004 respectively amounting to Rs.1445.11 lakh and Rs.289.40 lakh respectively have been adjusted against equity and FERV of Rs.301.25 lakh has been adjusted against loan so as to keep overall debt-equity ratio closer to 70.28:29.72, as notified by the Central Government vide notification dated 8.2.1999. Accordingly, the adjusted debt-equity ratio is 69.63:30.37. The equity as on 1.4.2004 works out to Rs.61344.59 lakh."

8. Accordingly, the Commission in the said order had adjusted the amount of `1445.11 lakh and `289.40 lakh (on account of de-capitalization) in equity and addition of `301.25 lakh (due to FERV) in loan for the period 2001-04. In Appeal No. 84/2007 filed by the petitioner, the Tribunal by order dated 5.2.2008 had granted liberty to the Commission to reconsider the claim of the petitioner on this issue and pass consequential orders. Based on this, the debt-equity ratio as on 31.3.2004 has been arrived by taking into account the impact of the additional capitalization (including de-capitalization and FERV) for the period 1.4.2001 to 31.3.2004. As such, there will be no change in capital cost, but the debt-equity ratio would undergo revision on this count. Accordingly, the debt-equity ratio of 68.99:31.01 as on 31.3.2001 as was considered by the Commission in order dated 23.2.2005 in Petition No.60/2001 has been taken into consideration. Moreover, the additional capital expenditure due to FERV and de-

capitalization amounts as claimed is divided proportionately on the basis of debt-equity ratio for that period. The debt-equity ratio as on 31.3.2004 has been worked out as under:

2001-04

	As on 31.3.2001 as admitted vide order 60/2005		Additional capitalization and de-capitalization 2004-09 period		Capital Cost as on 31.3.2004	
	in lakh	%	in lakh	%	in lakh	%
Capital Cost	203444.65	100.00	(-) 1433.21	100.00	202011.44	100.00
Debt	140356.46	68.99	(-) 988.77	68.99	139367.69	68.99
Equity	63088.19	31.01	(-) 444.44	31.01	62643.75	31.01

9. Consequent upon the revision of the debt-equity ratio as above, in terms of the orders of the Tribunal, the calculations of depreciation, gross loan, return on equity and interest on loan undergo revision as stated below.

Depreciation

10. As per Regulation 21 of the 2004 Tariff Regulations, the remaining depreciable value has been spread over the balance useful life. Accordingly, the depreciation is revised as under:

	(in lakh)				
	2004-05	2005-06	2006-07	2007-08	2008-09
Gross Block	202011.44	202228.83	202757.18	202930.88	203343.43
Additional capital expenditure during 2004-09	217.39	528.35	173.71	412.55	(-)71.40
Closing gross block	202228.83	202757.18	202930.88	203343.43	203272.04
Average gross block	202120.13	202493.00	202844.03	203137.16	2033307.74
Depreciable value	178403.40	178738.98	179054.91	179318.73	179472.25
Balance useful life of the asset	27	26	25	24	23
Remaining depreciable value	98397.67	95155.84	91829.10	88553.13	85046.88
Depreciation	3644.36	3659.84	3673.16	3689.71	3697.69

Return on Equity

11. Return on Equity @14% as per Regulation 38 (iii) of the 2004 Tariff Regulations, is computed as under:

	(in lakh)				
	2004-05	2005-06	2006-07	2007-08	2008-09
Opening equity	62643.75	62708.97	62867.48	62919.59	63043.36
Additional Equity during 2004-09	65.22	158.51	52.11	123.77	(-) 21.42

Closing Equity	62708.97	62867.48	62919.59	63043.36	63021.94
Average Equity	62676.36	62788.22	62893.53	62981.47	63032.65
Return on Equity	8774.69	8790.35	8805.09	8817.40	8824.57

Interest on Working Capital

12. The Receivable component of the working capital undergoes revision and accordingly, the calculation of Interest on Working Capital @ 10.25% (SBI PLR as on 1.4.2004) is revised as under:

	(in lakh)				
	2004-05	2005-06	2006-07	2007-08	2008-09
Maintenance Spares	3327.87	3527.54	3739.19	3963.54	4201.36
O & M expenses	494.50	514.25	534.83	556.25	578.50
Receivables	3178.44	3227.72	3278.40	3331.14	3383.50
Total	7000.81	7269.51	7552.42	7850.93	8163.36
Interest	717.58	745.12	774.12	804.72	836.74

13. Accordingly, the annual fixed charges of the generating station for the period 2004-09 shall stand revised as under:

	(in lakh)				
	2004-05	2005-06	2006-07	2007-08	2008-09
Depreciation	3644.36	3659.84	3673.16	3689.71	3697.69
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Return on Equity	8774.69	8790.35	8805.09	8817.40	8824.57
Advance against Depreciation	0.00	0.00	0.00	0.00	0.00
Interest on Working Capital	717.58	745.12	774.12	804.72	836.74
O & M Expenses	5934.00	6171.00	6418.00	6675.00	6942.00
Total	19070.63	19366.31	19670.38	19986.84	20301.00

Revision of Annual Fixed Charges for 2012-14

14. The Commission by order dated 12.7.2011 in Petition No. 84/2010 had determined the annual fixed charges for the generating station for the period 2009-14 which was revised by order dated 10.12.2012 in Review Petition No.18/2011. Thereafter, by order dated 11.11.2013 in Petition No.125/GT/2013, the annual fixed charges of the generating station for 2009-14 was revised after truing-up exercise based on the actual additional capital expenditure incurred for the period 2009-12 and the proposed additional capital expenditure for 2012-14. The annual fixed charges allowed for the period 2009-14 by the said order dated 11.11.2013 is as under:

(in lakh)

	2009-10	2010-11	2011-12	2012-13	2013-14
Return on Equity	14517.16	14372.33	14212.72	11014.77	11536.59
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Depreciation	4083.58	4112.94	4123.51	4135.39	4135.03
Interest on Working Capital	832.77	855.82	879.63	841.68	882.63
O & M Expenses	8898.02	9406.98	9945.06	10513.92	11115.31
Total	28331.53	28748.07	29160.92	26505.76	27669.56

15. As stated, the petitioner in this petition has claimed revision of tariff for the period 2009-14 based on the actual additional capital expenditure incurred during the years 2012-13 and 2013-14 after truing up in accordance with the 2009 Tariff Regulations and for determination of annual fixed charges for the period 2014-19 in terms of the 2014 Tariff Regulations. The annual fixed charges claimed by the petitioner for 2012-14 based on the actual additional capital expenditure incurred during the years 2012-13 and 2013-14 is as under:

(in lakh)

	2012-13	2013-14
Return on Equity	12211.45	12962.49
Interest on Loan	0.00	0.00
Depreciation	4137.35	4150.93
Interest on Working Capital	866.66	912.68
O & M Expenses	10513.92	11115.31
Annual Fixed Charges	27729.38	29141.56

16. The projected additional capital expenditure allowed for the period 2012-14 in order dated 11.11.2013 in Petition No.125/GT/2013 vis-a-vis the actual additional capital expenditure claimed in this petition are as under:

(in lakh)

	2012-13	2013-14
Projected additional capital expenditure allowed in order dated 11.11.2013	256.61	(-) 339.81
Actual additional capital expenditure claimed	331.26	142.88

17. During the hearing of the petition on 13.10.2014, the respondent, BRPL raised preliminary objection as regards the clubbing of tariff petitions by the petitioner and submitted that the petitioner may be directed to file separate petitions, for truing-up of

tariff for the period 2009-14 and for determination of tariff for 2014-19. The Commission after hearing the parties by interim order dated 12.11.2014 rejected the contentions of the respondent and held that the petition filed by the petitioner was maintainable. The relevant portion of the order is extracted as under:

"17. In our view, clubbing of tariff petitions for truing-up for 2009-14 along with the tariff petitions for 2014-19 and disposing of the same through a single order would not only save time, but also bring about certainty in the recovery of cost by these generating stations of the petitioner and also safeguard the interest of consumers. In this background, the preliminary objections raised by the learned counsel for the respondent, BRPL as to the maintainability of these petitions stands rejected. Hence, we hold that the petitions filed by the petitioner in respect of the said generating stations are maintainable."

18. Accordingly, the petition was heard on 28.11.2014 and the Commission after directing the parties to complete the pleadings reserved orders in the petition. The respondents, UPPCL, JVVNL, JoVVNL, AVVNL and BRPL have filed replies to the petition and the petitioner has filed its rejoinder to the same. Based on the submissions of the parties and the documents available on record, we proceed to revise the tariff for the period 2009-14 based on truing-up exercise and also determine the tariff for the period 2014-19 in respect of the generating station as stated in the subsequent paragraphs:

Capital cost

19. Regulation 7 (1) (a) of the 2009 Tariff Regulations provides as under:

"7. Capital Cost. (1) Capital cost for a project shall include: (a) the expenditure incurred or projected to be incurred, including interest during construction and financing charges, any gain or loss on account of foreign exchange risk variation during construction on the loan - (i) being equal to 70% of the funds deployed, in the event of the actual equity in excess of 30% of the funds deployed, by treating the excess equity as normative loan, or (ii) being equal to the actual amount of loan in the event of the actual equity less than 30% of the funds deployed, up to the date of commercial operation of the project, as admitted by the Commission, after prudence check;"

20. The Commission in order dated 11.11.2013 in Petition No.125/GT/2013 had considered the closing capital cost of `204102.76lakh as on 31.3.2012 as the opening capital cost as on 1.4.2012 for revision of tariff for 2012-14. Accordingly, this capital cost

of `204102.76 lakh has been considered as the opening capital cost as on 1.4.2012 for revision of tariff for 2012-14.

Actual Additional Capital Expenditure

21. Regulation 9 of the 2009 Tariff Regulations, as amended on 21.6.2011, provides as under:

“9. Additional Capitalisation.(1) *The capital expenditure incurred or projected to be incurred, on the following counts within the original scope of work, after the date of commercial operation and up to the cut-off date may be admitted by the Commission, subject to prudence check:*

(i) *Un-discharged liabilities;*

(ii) *Works deferred for execution;*

(iii) *Procurement of initial capital spares within the original scope of work, subject to the provisions of regulation 8;*

(iv) *Liabilities to meet award of arbitration or for compliance of the order or decree of a court; and*

(v) *Change in law: Provided that the details of works included in the original scope of work along with estimates of expenditure, un-discharged liabilities and the works deferred for execution shall be submitted along with the application for determination of tariff.*

(2) *The capital expenditure incurred or projected to be incurred on the following counts after the cut-off date may, in its discretion, be admitted by the Commission, subject to prudence check:*

(i) *Liabilities to meet award of arbitration or for compliance of the order or decree of a court;*

(ii) *Change in law;*

(iii) *Deferred works relating to ash pond or ash handling system in the original scope of work;*

(iv) *In case of hydro generating stations, any expenditure which has become necessary on account of damage caused by natural calamities (but not due to flooding of power house attributable to the negligence of the generating company) including due to geological reasons after adjusting for proceeds from any insurance scheme, and expenditure incurred due to any additional work which has become necessary for successful and efficient plant operation; and*

(v) *In case of transmission system any additional expenditure on items such as relays, control and instrumentation, computer system, power line carrier communication, DC batteries, replacement of switchyard equipment due to increase of fault level, emergency restoration system, insulators cleaning infrastructure, replacement of damaged equipment not covered by insurance and any other expenditure which has become necessary for successful and efficient operation of transmission system:*

Provided that in respect sub-clauses (iv) and (v) above, any expenditure on acquiring the minor items or the assets like tools and tackles, furniture, air-conditioners, voltage stabilizers, refrigerators, coolers, fans, washing machines, heat convectors, mattresses, carpets etc. brought after the cut-off date shall not be considered for additional capitalization for determination of tariff w.e.f. 1.4.2009.

(vi) In case of gas/liquid fuel based open/ combined cycle thermal generating stations, any expenditure which has become necessary on renovation of gas turbines after 15 year of operation from its COD and the expenditure necessary due to obsolescence or non-availability of spares for successful and efficient operation of the stations. Provided that any expenditure included in the R&M on consumables and cost of components and spares which is generally covered in the O&M expenses during the major overhaul of gas turbine shall be suitably deducted after due prudence from the R&M expenditure to be allowed.

(vii) Any capital expenditure found justified after prudence check necessitated on account of modifications required or done in fuel receipt system arising due to non-materialisation of full coal linkage in respect of thermal generating station as result of circumstances not within the control of the generating station.

(viii) Any un-discharged liability towards final payment/withheld payment due to contractual exigencies for works executed within the cut-off date, after prudence check of the details of such deferred liability, total estimated cost of package, reason for such withholding of payment and release of such payments etc.

(ix) Expenditure on account of creation of infrastructure for supply of reliable power to rural households within a radius of five kilometers of the power station if, the generating company does not intend to meet such expenditure as part of its Corporate Social Responsibility."

22. The re-conciliation of actual additional capital expenditure claimed in this petition with respect to additional capital expenditure as per books of accounts duly certified by auditor for the period 2012-13 and 2013-14 is as under:

		(' in lakh)	
Sl. No		2012-13	2013-14
1	Additional Capital Expenditure		
1(a)	Additions		
i	Capitalization against works projected and allowed for additional capital expenditure	332.80	126.45
ii	Additional capital expenditure not projected earlier but claimed on actual basis.	28.21	4.01
iii	Inter-Unit transfer considered	5.32	0.00
	Total1(a)	366.33	130.46
1(b)	Deletion / Deduction		
i	Assets deducted on Replacement of New Assets covered under Category A	(-) 9.25	(-)13.03
ii	Deduction of Assets without any Replacement and not Covered under Exclusion Clause		
iii	Inter-Unit transfer out considered for additional capital expenditure	0.00	0.00

	Total 1(b)	(-) 9.25	(-)13.03
1(c)	Net addition claimed 1(c)=1(a)+1(b)	357.08	117.43
2(a)	Exclusion Category (not to be claimed)		
i	Additions	127.64	143.76
ii	Deletions	(-) 395.71	(-) 137.89
	Total 2(a)=(i)-(ii)	(-) 268.07	5.87
	Net additional capital expenditure 1(c)+2(a) as per books of accounts	89.01	123.30
3	Net additional capital expenditure claimed for tariff		
i	Net capital expenditure claimed in petition=1(c)	357.08	117.43
ii	Un-discharged liabilities in the above	26.61	0.70
iii	Liabilities discharged during the year for the period 2009-12	2.98	0.00
iv	Liabilities discharged during the year out of 3(ii)above	0.00	26.61
v	Liabilities discharged out of undischarged amount as on 31.3.2009	0.00	0.00
vi	Assumed/Deemed Deletions	(-) 2.19	(-) 0.47
	Net amount of capital expenditure claimed	331.26	142.88

23. Based on the above reconciliation, the year-wise admissibility of the additional capital expenditure under various heads is discussed in the subsequent paragraphs.

Additions against works already approved

24. The petitioner has claimed the year-wise actual additional capital expenditure as against the projected capital expenditure on works allowed by the Commission as under:

(' in lakh)

2012-13	2013-14
332.80	126.46

2012-13

25. The details of works/assets, the additional capital expenditure allowed for these works / actual additional capital expenditure against these works along with reasons for admissibility of the actual additional capital expenditure in terms of 2009 Tariff Regulations is as under:

(' in lakh)

Sl. No	Assets/works	Amount allowed on projected basis	Actual expenditure incurred/ claimed	Justification for admissibility of expenditure
1	Equipment required for compliance of OHSAS and Environment policy	10.00	3.36	Allowed as the asset/work has already been approved by Commission in order dated 11.11.2013 in Petition No. 125/GT/2013 under Regulation 9(2) (ii) of the 2009 Tariff Regulations
Total claimed			3.36	
Total allowed				3.36

Works allowed in previous years but capitalized in 2012-13

26. The details of works/assets, the additional capital expenditure allowed for these works / actual additional capital expenditure against these works along with reasons for admissibility of the actual additional capital expenditure in terms of 2009 Tariff Regulations are as under:

(' in lakh)

Sl. No	Assets/works	Amount allowed on projected basis	Actual expenditure incurred/ claimed	Justification for admissibility of expenditure
1	Construction of watch tower at Dam	40.00	28.94	Allowed as the asset/work has already been approved under Regulation 9(2) (iv) by Commission order dated 12.07.2011 in Petition No.84/2010
2	Fiber reinforced plastic motor boat	10.00	12.57	
3	Security & Surveillance System	46.88	26.70	Expenditure of ` 48.12 lakh in 2009-10 has been allowed by Commission's order dated 12.7.2011 in Petition No.84/2010.Hence, allowed as the asset/work has already been approved by Commission under Regulation 9(2) (iv) towards security of the generating station.
4	Battery charger	25.00	1.29	Allowed as the asset/work was already approved under Regulation 9(2)(iv) vide Commission's order dated 12.7.2011 in Petition No.84/2010.
5	Construction of 20 B-Type	112.00 (250-138 de-	259.94	Allowed as the asset/work was already approved under

quarters	capitalization of old asset])		Regulation 9(2) (iv) vide Commission's order dated 12.7.2011 in Petition No.84/2010. The gross value of the old asset for ` 138.00 lakh as provided in Petition No. 84/2010 has been considered under "Assumed Deletions.
Total claimed		329.44	
Total allowed			329.44

2013-14

27. The details of works/assets, the additional capital expenditure allowed for these works / actual additional capital expenditure against these works along with reasons for admissibility of the actual additional capital expenditure in terms of 2009 Tariff Regulations is as under:

(in lakh)				
Sl. No	Assets/works	Amount allowed on projected basis	Actual expenditure incurred/ claimed	Justification for admissibility of expenditure
1.	Addition of OFC network and wireless connectivity of LAN of Chamera Power station-I	5.00	3.91	Allowed as the asset/work was already approved under Regulation 9(2) (iv) by Commission's order dated 12.7.2011 in Petition No, 84/2010.
	Total claimed		3.91	
	Total allowed			3.91

Works allowed in previous years but capitalized in 2013-14

28. The details of works, the additional capital expenditure allowed for these works, the actual additional capital expenditure incurred against these works along with justification for admissibility of the actual additional capital expenditure in terms of 2009 Tariff Regulations is as under:

(in lakh)

Sl. No	Assets/works	Amount allowed on projected basis	Actual expenditure incurred/ claimed	Justification for admissibility of expenditure
1	Replacement of temporary B-Type Quarters with new 32 nos. B-Type Quarter at Upper Simblu	250.00	16.48	A projected expenditure of `259.94 lakh was allowed in 2012-13 vide Commission's order dated 12.7.2011 in Petition No. 84/2010 on the ground that the same is required for efficient and successful operation of the generating station. Hence, allowed under Regulation 9(2) (iv) as the asset/work had already been approved.
2	Replacement of existing Distribution Transformer, 250 KVA, 11/0.433 KV	98.48	13.93	`100 lakh was allowed on projection basis vide order dated 12.7.2011 in Petition No. 84/2010. Against the same an actual expenditure of `12.22 lakh was allowed in 2010-11 and `16.13 lakh in 2011-12 vide Commission's order dated 11.11.2013 in Petition No. 125/GT/2013 under Regulation 9(2)(iv) on the ground that the asset/work is required for efficient and successful operation of the generating station. Hence, allowed as the asset/work had already been approved. The gross value of the old asset for `1.52 lakh has been reduced under "Deletions".
3	Fork Lift	15.00	15.54	Allowed on replacement basis under Regulation 9(2)(iv) as the new asset/work had already been approved by Commission vide order dated 12.7.2011 in Petition No. 84/2010. The gross value of old asset for `4.46 lakh has been reduced under "Assumed Deletions".
4	Fire tenders	25.63	26.67	Allowed on replacement basis under Regulation 9(2) (iv) as the new asset/work had already been approved by Commission vide order dated 12.7.2011 in Petition No. 84/2010. The gross value of old asset for `1.04 lakh has

				been reduced under "Assumed Deletions"
5	High mast lighting, 20 m (4 nos)	40.00	19.62	A projected expenditure of `15.39 lakh in 2011-12 has been allowed by Commission order dated 12.7.2011 in Petition No.84/2010 under Regulation 9(2)(iv) on the ground that the asset/work is required for efficient and successful operation of the generating station. Hence, allowed as the assets/works has been already approved.
6	Telephone exchange with accessories	30.00	23.85	Allowed as the assets/works has already been approved by Commission under Regulation 9(2) (iv) vide order dated 12.7.2011 in Petition No.84/2010.
7	Security and surveillance system- Door frame and metal detector (DFMD) & Spike road block	95.00	6.43	A projected expenditure of `48.12 lakh has been allowed in 2009-10 and `26.70 lakh in 2012-13vide order dated 12.7.2011 in Petition No.84/2010for Security and surveillance system. Hence, allowed as the assets/works have been already approved.
	Total claimed		122.52	
	Total allowed			122.52

Capital expenditure not projected/allowed by the Commission, but incurred and claimed

29. The details of the actual additional capital expenditure incurred against new works/ assets along with admissibility of the actual additional capital expenditure in terms of 2009 Tariff Regulations is as under:

Sl. No	Assets/works	Actual expenditure incurred / claimed	Justification submitted by petitioner	Admissibility of expenditure
1	Complete set of flow monitoring, recording and display system (3 nos)	20.17	Old and faulty flow meters were replaced with advance electromagnetic type flow meters.	Allowed under Regulation 9(2)(iv) since the asset is considered necessary for efficient operation of the generating station. Since the deletion value of old asset is not available, the assumed deletion of `8.38 lakh has been considered as against the claim of the petitioner @ 10% (`2.02 lakh) of new asset.
2	Server	5.86	In power station several computers/servers are extensively used for down loading data from SEM/UI calculation/ report generation etc. Servers are additionally required for proper and efficient plant operation.	Not allowed under Regulation 9(2)(iv) as the asset is of minor nature .
3	Ultrasonic therapy unit & AC/DC suction machine	0.45	Hospital equipment has been purchased for project hospital for better medical facilities for project staff.	Allowed under Regulation 9(2)(iv) as the asset is for the benefit of the employees of the generating station working in remote areas which will also ensure the efficient operation of the generating station.
4	Automatic weather station	1.73	Purchased against replacement of old non-functional weather station.	Allowed under Regulation 9(2)(iv) since the asset is considered necessary for efficient operation of the generating station. Since the deletion value of old asset is not available, an assumed deletion of `0.72 lakh has been considered as against the claim of the petitioner @ 10% of the cost of new asset.
	Total claimed	28.21		
	Total allowed			22.35

2013-14

				(` in lakh)
Sl. No.	Assets/works	Actual expenditure incurred/ claimed	Justification submitted by the petitioner	Remarks for admissibility
1.	Submersible pumps 35 M head(2nos)	4.01	Pumps are needed at Water Supply Installation for providing water supply at the Township area of Project. These pumps were purchased against replacement of two pumps which were surveyed off in 2012-13.	Allowed under Regulation 9(2)(iv) as the asset is for the benefit of the employees of the generating station working in remote areas which will also ensure the efficient operation of the generating station. The gross value of `1.04lakh has been included in "deletions" for 2012-13.
	Total allowed			4.01

30. The petitioner has claimed additional capital expenditure of `5.32 lakh on account of Inter-unit transfer of the Software (MS Office). As the asset is of a minor nature, the capitalization of the same after the cut-off date is not allowed in terms of proviso to the Regulation 9(2)(iv) of the 2009 Tariff Regulations. Hence, the claim of the petitioner is rejected.

Deletions

31. The following year-wise expenditure has been de-capitalized by the petitioner on account of replacement of old assets or without replacement. The de-capitalized assets include distribution transformers, DG sets, pumps, dumpers, fire extinguisher, metal detectors.

			(` in lakh)
	2012-13	2013-14	
Deletions	(-)9.25	(-)13.03	

32. As the corresponding assets do not render any useful service in the operation of the generating station, the de-capitalization of the above expenditure as affected in the

books of accounts has been allowed for the purpose of tariff. Accordingly, the above said amounts have been deleted for the purpose of tariff

Exclusions in additions (incurred, capitalized in books but not to be claimed for tariff purpose)

33. The following year-wise expenditure has been incurred by the petitioner on replacement of minor assets, purchase of capital spares, helicopter, purchase of miscellaneous assets, additions on inter-unit transfers, minor assets etc.,

	(` in lakh)	
	2012-13	2013-14
Exclusions in additions (incurred, capitalized in books but not to be claimed for tariff purpose)	127.64	143.76

34. The expenditure incurred towards procurement/replacement of minor assets and procurement of capital spares after the cut-off date is not permissible for the purpose of tariff in terms of the 2009 Tariff Regulations. Accordingly, the petitioner has considered these additions under exclusion category. As such, the exclusions of the positive entries under the head are in order and are allowed.

Exclusions in deletions (de-capitalized in books but not to be considered for tariff purpose)

35. The petitioner has de-capitalized amounts in books of accounts pertaining to capital spares, minor assets such as computers, office equipment, furniture, ladders, pumps, fixed assets of minor value less than `5000 etc., as these are not in use on account of their becoming unserviceable/obsolete and also deletion on account of inter-unit transfer of minor assets, as under :

	(` in lakh)	
	2012-13	2013-14
Minor assets de-capitalized	(-)24.34	(-)36.42
Capital spares de-capitalized on consumption	(-)371.37	(-)101.47
Total exclusions in deletions (de-capitalized in books but not to be considered for tariff)	(-)395.71	(-)137.89

36. The petitioner has prayed that the negative entries may be ignored/ excluded for the purpose of tariff as the corresponding positive entries for purchase of such assets are not being allowed for the purpose of tariff in terms of the provisions of the 2009 Tariff Regulations. In support of this, the petitioner has referred to the observations of the Commission in order dated 7.9.2010 in Petition No.190/2009 as under:

"20. After careful consideration, we are of the view that the cost of minor assets originally included in the capital cost of the projects and replaced by new assets should not be reduced from the gross block, if the cost of the new assets is not considered on account of implication of the regulations. In other words, the value of the old assets would continue to form part of the gross block and at the same time the cost of new assets would not be taken into account. The generating station should not be debarred from servicing the capital originally deployed on account of procurement of minor assets, if the services of those assets are being rendered by similar assets which do not form part of the gross block."

37. Accordingly, in line with the above decision of the Commission, the negative entries corresponding to the deletion of minor assets are allowed to be excluded/ ignored for the purpose of tariff.

38. The petitioner has excluded amounts of (-)`371.37 lakh and (-)`101.47 lakh for the years 2012-13 and 2013-14 respectively for de-capitalization of capital spares. As regards the prayer of the petitioner for exclusion of negative entries corresponding to de-capitalization of capital spares, it is observed that the expenditure on minor assets and capital spares are not allowed to be capitalized after the cut-off date in terms of the 2009 Tariff Regulations. While the recovery of expenditure on capital spares is allowed through O&M expenses on consumption, the recovery of additional expenditure on minor assets beyond the cut-off date is neither allowed to be capitalized nor permissible under O&M expenses. Hence, the observations of the Commission in order dated 7.9.2010 cannot be made applicable in respect of de-capitalization of spares. Accordingly, the claim of the petitioner for exclusion of negative entries arising out of de-capitalization of capital spares is justifiable provided that the de-capitalized spares are the ones which were not considered in the capital base for the purpose of tariff in the year of capitalization.

39. It is pertinent to mention that capitalization of capital spares for the purpose of tariff after the cut-off date was rejected by the Commission from 1.4.2001 i.e all the positive book entries arising out of procurement of capital spares were excluded/ignored for the purpose of tariff during 2001-04. As such, if the de-capitalized spares during 2012-14 are the ones which were procured after 1.4.2001, the negative book entries due to de-capitalization shall be ignored for the purpose of tariff. Accordingly, based on the links provided in Form-9 of the petition, which has been certified by Auditor, it emerges that the capital spares de-capitalized in books of accounts during the years 2012-13 and 2013-14 are the ones which were procured after 1.4.2004 and were not allowed in the capital base for the purpose of tariff. In other words, positive entries arising out of their purchase were also excluded/ ignored for the purpose of tariff. In view of this, the following amounts have been excluded/ignored for the purpose of tariff as under:

	(in lakh)	
	2012-13	2013-14
Exclusions in additions	127.64	143.76
Exclusions in deletions	(-)3 95.71	(-) 137.89
Total exclusions allowed	(-) 268.07	5.87

Assumed Deletions

40. As per consistent methodology adopted by the Commission, expenditure on replacement of assets, if found justified is allowed for the purpose of tariff provided that the capitalization of the said asset is followed by the de-capitalization of the value of the old asset. However, in certain cases where de-capitalization is proposed to be effected /affected during the future years to the year of capitalization of new asset, the de-capitalization of the old asset for the purpose of tariff is shifted to the very same year in which the capitalization of the new asset is allowed. Such de-capitalization which is not a book entry in the year of capitalization is termed as "Assumed deletion". The amounts considered by the petitioner under this head are as under:

2012-13*(` in lakh)*

	Actual expenditure for new asset allowed/ claimed	Assumed deletion of old asset @10% of the value of new asset
Complete set of flow monitoring, recording and display system (3 nos)	20.17	(-) 2.02
Automatic weather station	1.73	(-) 0.17
Sub-total	21.90	(-) 2.19

2013-14*(` in lakh)*

	Actual expenditure incurred/ claimed	Assumed Deletion of old asset = W.D.V
Fork lift	15.54	(-) 0.21
Fire tenders	26.67	(-) 0.26
Sub-total		(-) 0.47

Assumed deletion for 2012-13

41. It is observed that against the expenditure towards the replacement of flow meters and weather station during 2012-13, the de-capitalization value of these assets has been considered by the petitioner at the rate of 10% of the value of new asset. However, the methodology of arriving at the fair value of the de-capitalized asset, i.e. escalation rate of 5 % per annum from the COD, as considered in order dated 11.11.2013 in Petition No.125/GT/2013 has been considered, in order to arrive at the gross value of old asset in comparison to the cost of new asset . Further, the gross value of the old asset i.e `138.00 lakh furnished by the petitioner in Petition No. 84/2010 against the work of Construction of 20 B-Type quarters and capitalized in 2012-13, has been considered as 'assumed deletion' in the absence of the gross value of temporary structure which was removed from service,

Assumed deletion for 2012-13

42. The petitioner was directed to furnish the basis for considering 'assumed deletion' amounting to `20,761/- towards Fork lift and `26,065/- towards Fire tender and the petitioner vide affidavit dated 7.10.2014 has clarified as under:

Asset	Actual exp. incurred on procurement of new asset (` in lakh)	Submission of petitioner
Fork lift	15.54	As Fork lift was used during construction period and its salvage value of `20,761/- was capitalized as on COD.
Fire tenders	26.67	Assumed deletion value amounting to `26,065/- is based on WDV of old fire tender.

43. It is pertinent to mention that WDV does not represent the gross value of the old asset removed from service. However, depreciation booked in IEDC for assets used during the construction period forms part of the capital cost for the purpose of tariff. As such, on de-capitalization of these assets, the acquisition cost/gross value shall be removed for the purpose of tariff, as the full cost of new asset is allowed as replacement. However, in the present case, the petitioner has not furnished the gross value of the old assets in respect of Fork lift and Fire Tenders. As such, in the absence of any information, the deletion value of `4.46 lakh and `1.04 lakh in respect of Fork lift and Fire Tenders respectively has been considered as submitted by the petitioner in Petition No. 84/2010.

44. Accordingly, the assumed deletions claimed and allowed for the purpose of tariff are as under:

Sl. No.	Asset/Work	Assumed Deletion	
		Claimed	Allowed
<i>(` in lakh)</i>			
2012-13			
1.	Construction of 20 B-Type quarters	0.00	(-) 138.00 (gross value of the old asset as furnished in Petition No. 84/2010).
2.	Complete set of flow monitoring, recording and display system (3 nos.)	(-)2.02	(-)8.38
3.	Automatic weather station	(-)0.17	(-)0.72
Sub-total		(-)2.19	(-)147.10
2013-14			
1.	Fork Lift	(-)0.21	(-)4.46
2.	Fire tenders	(-)0.26	(-)1.04
Sub-total		(-)0.47	(-)5.50

Un-discharged and discharge of Liabilities

45. The petitioner has submitted the details of the un-discharged liabilities in the actual additional capital expenditure for 2012-14 and discharge of liabilities as under:

	(in lakh)	
	2012-13	2013-14
Un-discharged liabilities in the actual additional capital expenditure	26.61	0.70
Liabilities discharged during the year, out of the existing un-discharged liabilities as on 31.3.2012/un-discharged liabilities in actual additional capital expenditure for 2012-13	2.98	26.61

46. The un-discharged liabilities and the discharge of liabilities as furnished by the petitioner as above have been considered for working out the admissible capital expenditure for the period 2012-14.

47. Based on the above discussions, the actual additional capital expenditure allowed for the period 2012-14 for the purpose of tariff is as under:-

	(in lakh)	
	2012-13	2013-14
Additions against works already approved by Commission	332.80	126.43
Additions not projected earlier but incurred and claimed	22.35	4.01
Inter-Unit transfer	0.00	0.00
Total additions allowed (a)	355.15	130.44
Deletions allowed (b)	(-)9.25	(-)13.03
Assumed deletions considered (c)	(-)147.10	(-)5.50
Total additional capital expenditure allowed before un-discharged/ discharged liabilities (d)=(a)+(b)+(c)	198.80	111.91
Less: Un-discharged liabilities in the additional capital expenditure allowed above	26.61	0.70
Add: Liabilities discharged during the year out of un-discharged liability existing as on 31.3.2014	2.98	26.61
Additional Capital Expenditure allowed	175.17	137.82

Capital cost for 2012-14

48. Accordingly, the capital cost considered for the purpose of the tariff is as under:

	(in lakh)	
	2012-13	2013-14
Opening capital cost as on 31.3.2012	204102.76	204277.93
Additional capital expenditure allowed	175.17	137.82
Closing capital cost	204277.93	204415.75

Debt-Equity Ratio

49. The debt-equity ratio as on 31.3.2009 has been worked out by considering the additional capital expenditure and de-capitalization in the petitions for the period 2004-09 as indicated above. Accordingly, the debt-equity ratio as on 31.3.2009 has been worked out as under:

2004-09

	Capital Cost as on 1.4.2004		Net Additional capital expenditure.		Capital Cost as on 31.3.2009	
	in lakh	%	in lakh	%	in lakh	%
Capital Cost	202011.44	100.00	1260.60	100.00	203272.04	100.00
Debt	139367.69	68.99	882.42	70.00	140250.11	69.00
Equity	62643.75	31.01	378.18	30.00	63021.93	31.00

50. The debt-equity ratio as on 31.3.2009 worked out as above has been considered for revision of tariff for 2009-14 based on truing-up in terms of Regulation 6 of the 2009 Tariff Regulations.

Return on Equity

51. The petitioner has considered the applicable tax rate as 20.008% and 20.961% for 2012-13 and 2013-14 respectively. Accordingly pre-tax rate of return on equity has been worked out in terms of Regulation 15(3) and 15(4) of the 2009 Tariff Regulations as under:

	2012-13	2013-14
Base Rate for Return on Equity	*15.750%	16.500%
Tax Rate	20.008%	20.961%
Rate of ROE (pre-tax)	19.689%	20.876%

(*Based on 15.5% basis from 1.4.2012 to 31.12.2012 and 16.5% from 1.1.2013 to 31.3.2013)

52. Considering the pre-tax rate of return on equity, as above, the return on equity for 2012-13 and 2013-14 has been computed as follows:

	(' In lakh)	
	2012-13	2013-14
Opening Gross Notional Equity	63271.14	63323.69
Addition due to Additional Capital Expenditure	52.55	41.35

Closing Equity	63323.69	63365.04
Average Equity	63297.42	63344.36
Rate of ROE (pre-tax)	19.689%	20.876%
Return on Equity	12462.63	13223.77

Interest on Loan

53. The petitioner has not claimed Interest on loan during the years 2012-13 and 2013-14. The normative loan in respect of the project has already been repaid. The normative loan on account of the admitted additional capital expenditure during the years 2012-13 and 2013-14 have been considered as fully paid, as the admitted depreciation is more than the amount of normative loan in these years. As such, the Interest on loan during the period 2009-14 is worked out as 'Nil'.

Depreciation

54. The date of commercial operation of the generating station is 1.5.1994. Since the station has completed 12 years of operation as on 30.4.2006, the remaining depreciable value has been spread over the balance useful life of the assets. Assets amounting to `156.35 lakh and `18.53 lakh have been de-capitalized during the years 2012-13 and 2013-14 respectively. As per the methodology consistently adopted by the Commission, the amount of cumulative depreciation allowed in tariff against those de-capitalized assets has been calculated on pro-rata basis. The same has been adjusted from the cumulative depreciation of the year of de-capitalization. Accordingly, depreciation has been computed as under:

	(' in lakh)	
	2012-13	2013-14
Gross Block as on 31.3.2012	204102.76	204277.93
Additional capital expenditure during 2012-14	175.17	137.82
Closing gross block	204277.93	204415.75
Average gross block	204190.34	204346.84
Depreciable Value	181516.94	181657.79
Balance useful life of the asset	17.08	16.08
Remaining Depreciable Value	70609.83	66705.41
Depreciation	4133.24	4147.47

Operation & Maintenance Expenses

55. O&M expenses as allowed in order dated 11.11.2013 in Petition No. 125/GT/2013 has been considered as under:

(` in lakh)	
2012-13	2013-14
10513.92	11115.31

Interest on working capital

a) Receivables

In terms of Regulation 18(1) (c) (i) of 2009 Tariff Regulations, receivables equivalent to two months of fixed cost has been considered as under:

(` in lakh)	
2012-13	2013-14
4663.60	4900.77

b) Maintenance Spares

Regulation 18(1) (c) (ii) of 2009 Tariff Regulations, provides for Maintenance spares @ 15% of operation and maintenance expenses as specified in Regulation 19, the same has been considered as under:

(` in lakh)	
2012-13	2013-14
1577.09	1667.30

c) O&M Expenses

Regulation 18(1) (c) (ii) of 2009 Tariff Regulations provides for operation and maintenance expenses for one month and the same has been considered in tariff as under.

(` in lakh)	
2012-13	2013-14
876.16	926.28

Rate of interest on working capital

56. Regulation 18(3) of 2009 Tariff Regulations provide that the Rate of interest on working capital shall be on normative basis and shall be equal to the short-term Prime Lending Rate of State Bank of India as on 1.4.2009 or on 1st April of the year in which the

generating station or a unit thereof or the transmission system, as the case may be, is declared under commercial operation, whichever is later.

57. In accordance with Regulation 18(3) of the 2009 Tariff Regulations, rate of interest on working capital shall be on normative basis and shall be equal to the short-term Prime Lending Rate of State Bank of India as on 1.4.2009 or on 1st April of the year in which the generating station or a unit thereof or the transmission system, as the case may be, is declared under commercial operation, whichever is later. The SBI PLR as on 1.4.2009 was 12.25% has been considered for computation of the interest on working capital. Accordingly, Interest on Working Capital has been calculated as under:

	(in lakh)	
	2012-13	2013-14
Maintenance Spares	1577.09	1667.30
O & M expenses	876.16	926.28
Receivables	4663.60	4900.77
Total	7116.85	7494.34
Interest on Working Capital @ 12.25%	871.81	918.06

Annual Fixed Charges for 2012-14

58. The annual fixed charges for the period 2012-14 allowed for the generating station is summarized as under:

	(in lakh)	
	2012-13	2013-14
Return on Equity	12462.63	13223.77
Interest on Loan	0.00	0.00
Depreciation	4133.24	4147.47
Interest on Working Capital	871.81	918.06
O & M Expenses	10513.92	11115.31
Annual Fixed Charges	27981.60	29404.61

59. The difference between the annual fixed charges already recovered by the petitioner and the annual fixed charges determined by this order as above shall be adjusted in terms of Clause (6) of Regulation 6 of the 2009 Tariff Regulations.

Determination of Annual Fixed Charges for the period 2014-19

60. As stated, the petitioner in this petition has also prayed for the determination of annual fixed charges of the generating station for the period 2014-19 in accordance with the provisions of the 2014 Tariff Regulations. Accordingly, the annual fixed charges claimed by the petitioner for the period 2014-19 are as under:

	(in lakh)				
	2014-15	2015-16	2016-17	2017-18	2018-19
Return on Equity	12987.06	13144.28	13285.83	13292.55	13295.46
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Depreciation	4174.50	4337.58	4494.24	4502.51	4506.81
Interest on Working Capital	984.19	1030.70	1079.31	1124.18	1171.82
O & M Expenses	10664.95	11373.53	12129.19	12935.05	13794.46
Total	28810.70	29886.09	30988.57	31854.28	32768.55

61. In response to the directions of the Commission, the petitioner has submitted additional information and has served copies of the same on the respondents. The respondents UPPCL, the discoms of Rajasthan (JVVNL, JoVVNL and AVVNL) and BRPL have filed replies to the petition and the petitioner has filed its rejoinder to the said replies filed by the respondents. Based on the submissions of the parties and the documents available on record, we proceed to determine the tariff of the generating station for the period 2014-19 as stated in the subsequent paragraphs.

Capital Cost

62. Clause (1) of Regulation 9 of the 2014 Tariff Regulations provides that the capital cost as determined by the Commission after prudence check in accordance with this regulation shall form the basis of determination of tariff for existing and new projects.

Clause (3) of Regulation 9 provides as under:

"9(3) The Capital cost of an existing project shall include the following:

(a) the capital cost admitted by the Commission prior to 1.4.2014 duly trued up by excluding liability, if any, as on 1.4.2014;

(b) xxxx

(c) xxxx

63. The closing capital cost considered by the Commission as on 31.3.2014 in this order is `204415.75 lakh. This amount has been considered as the opening capital cost as on 1.4.2014 for computation of tariff for the period 2014-19.

Actual/ Projected Additional Capital Expenditure during 2014-19

64. Clause (3) of Regulation 7 of the 2014 Tariff Regulations provides that the application for determination of tariff shall be based on admitted capital cost including any additional capital expenditure already admitted upto 31.3.2014 (either based on actual or projected additional capital expenditure) and estimated additional capital expenditure for the respective years of the tariff period 2014-15 to 2018-19.

65. Regulation 14 (3) of the 2014 Tariff Regulations, provides as under:

"14.(3) The capital expenditure, in respect of existing generating station or the transmission system including communication system, incurred or projected to be incurred on the following counts after the cut-off date, may be admitted by the Commission, subject to prudence check:

(i) Liabilities to meet award of arbitration or for compliance of the order or decree of a court of law;

(ii) Change in law or compliance of any existing law;

(iii) Any expenses to be incurred on account of need for higher security and safety of the plant as advised or directed by appropriate Government Agencies of statutory authorities responsible for national security/internal security;

(iv) Deferred works relating to ash pond or ash handling system in the original scope of work;

(v) Any liability for works executed prior to the cut-off date, after prudence check of the details of such un-discharged liability, total estimated cost of package, reasons for such withholding of payment and release of such payments etc.;

(vi) Any liability for works admitted by the Commission after the cut-off date to the extent of discharge of such liabilities by actual payments;

(vii) Any additional capital expenditure which has become necessary for efficient operation of generating station other than coal / lignite based stations or transmission system as the case may be. The claim shall be substantiated with the technical justification duly supported by the documentary evidence like test results carried out by an independent agency in case of deterioration of assets, report of an independent agency in case of damage caused by natural calamities, obsolescence of technology, up-gradation of capacity for the technical reason such as increase in fault level;

(viii) In case of hydro generating stations, any expenditure which has become necessary on account of damage caused by natural calamities (but not due to flooding of power house attributable to the negligence of the generating company) and due to geological reasons after adjusting the proceeds from any insurance scheme, and expenditure incurred due to any additional work which has become necessary for successful and efficient plant operation;

(ix) In case of transmission system, any additional expenditure on items such as relays, control and instrumentation, computer system, power line carrier communication, DC batteries, replacement due to obsolescence of technology, replacement of switchyard equipment due to increase of fault level, tower strengthening, communication equipment, emergency restoration system, insulators cleaning infrastructure, replacement of porcelain insulator with polymer insulators, replacement of damaged equipment not covered by insurance and any other expenditure which has become necessary for successful and efficient operation of transmission system; and

(x) Any capital expenditure found justified after prudence check necessitated on account of modifications required or done in fuel receiving system arising due to non-materialization of coal supply corresponding to full coal linkage in respect of thermal generating station as result of circumstances not within the control of the generating station:

Provided that any expenditure on acquiring the minor items or the assets including tools and tackles, furniture, air-conditioners, voltage stabilizers, refrigerators, coolers, computers, fans, washing machines, heat convectors, mattresses, carpets etc. brought after the cut-off date shall not be considered for additional capitalization for determination of tariff w.e.f. 1.4.2014:

Provided further that any capital expenditure other than that of the nature specified above in (i) to (iv) in case of coal/lignite based station shall be met out of compensation allowance:

Provided also that if any expenditure has been claimed under Renovation and Modernisation (R&M), repairs and maintenance under (O&M) expenses and Compensation Allowance, same expenditure cannot be claimed under this regulation."

66. The year-wise breakup of the projected additional capital expenditure claimed by the petitioner is as under:

(' in lakh)

2014-15	2015-16	2016-17	2017-18	2018-19
697.00	4407.00	152.00	82.00	20.00

67. Before proceeding, we examine some of the general issues raised by the respondent, UPPCL and BRPL as regards the claim for additional capitalization of assets/items by the petitioner during 2014-19. The petitioner in this petition has claimed additional capital expenditure for assets/items for the period 2014-19 under Regulation 14(3) (viii) of the 2014 Tariff Regulations. The respondent, UPPCL has submitted that the

claim of the petitioner for purchase of assets/items for 2014-19 may be charged against the O&M expenses allowed to the generating station. The respondent, BRPL has submitted that the claim of the petitioner for projected additional capital expenditure under Regulation 14(3)(viii) shall be read with Regulation 14(3)(vii) which require that the claim for expenditure for replacement of assets which are necessary for efficient operation of the plant shall be substantiated with technical justification duly supported by documentary evidence like test results carried out by independent agency in case of deterioration of the assets. Accordingly, it has been submitted the claim may be rejected as the same has not been submitted in this case. The respondent has added that the expenditure on procurement of minor assets may not be allowed.

68. In response to the submissions of respondent UPPCL, the petitioner has clarified that the projected additional expenditure are of capital nature and hence cannot be charged to O&M expenses. The petitioner has further stated that the expenditures have been claimed strictly as per Regulation 14(3)(viii) of 2014 Tariff Regulations as the same are required for successful & efficient operation of the generating station and all assets proposed for capitalization are of capital nature and therefore may be allowed by the Commission. In response to the submissions of the respondent, BRPL the petitioner has stated that the production of test results carried out by independent agency is neither required nor economically advisable for such small and essential requirements as the hiring of independent agency for such small items will be cost prohibitive and shall be an additional burden on the beneficiaries. The petitioner has clarified that Regulation 14(3)(vii) is not applicable in respect of the assets indicated by the respondent BRPL as these are being replaced on account of expiry of their useful life. It has further pointed out that Regulation 14(3)(vii) is only applicable in case of damage due to natural calamities and degradation.

69. We have examined the matter. The petitioner has claimed capitalization of the expenditure under Regulation 14(3)(viii) which also provides for capitalization of expenditure incurred due to additional work which has become necessary for successful and efficient operation of plant. The submission of the respondent, UPPCL that assets/works claimed by the petitioner should be considered under O&M expenses cannot be accepted as the expenditure claimed for capitalization is in respect of works of capital nature and are not in the nature of revenue expenses. Moreover, the contention of the respondent, BRPL that Regulation 14(3)(viii) should be read with Regulation 14(3)(vii) in respect of expenditure incurred on replacement assets and that the same should be supported by documentary evidence like test results carried out by independent agency in case of deterioration of the assets, is also not acceptable. In our view, the requirement of documentary evidence like test results etc., carried out by independent agency will be necessary in case of assets which have deteriorated prior to the expiry of useful life and accordingly sought to be replaced. In the instant case, these assets are being replaced on account of obsolescence /deterioration etc., after expiry of its useful life in consideration of year-wise assets which were put to use and accordingly additional capitalization has been sought on the grounds that they are necessary for successful and efficient operation of the plant. Since the capital expenditure incurred or projected to be incurred are admitted after prudence check, in terms of the 2014 Tariff Regulations, only those expenditures which are necessary for efficient and successful operation of the plant are only serviced through tariff by the respondents. This will adequately take care of the apprehensions of the respondents. In response to the directions of the Commission, the petitioner vide affidavit 7.10.2014 has submitted the additional information.

70. Accordingly, based on the submissions of the parties and the documents available on record, the claims of the petitioner for the period 2014-19 are considered and allowed

on prudence check, after reduction of the gross value of old assets, wherever necessary, as detailed in the subsequent paragraphs.

2014-15

(` in lakh)

Sl. No.	Assets/ Works	Amount claimed	Justification submitted by the petitioner	Remarks on admissibility	Amount Allowed
1	Purchase of High Mast Lighting	11.00	<p>New Work: The generating station lies on the border of Kathua district of State of J&K. To facilitate security and tracking of any unwanted movement at critical areas at night it is required to have optimum level of illumination at identified places. High Mast type lighting has more coverage per watt of installation, ease of maintenance due to centralization and aesthetic appeal. 7 Nos. of High mast lighting has already been capitalised at the different vital installation such as Dams, PH portal, Switch yard, Admin Building and TRT outlet. For providing the adequate illumination for other vital installations of the power station, 02 Nos. high mast lighting are required to be installed at SMD Complex (Store and Mechanical complex) and Upper Simblu Colony near Hospital building.</p> <p>The respondent, BRPL has submitted that no documentary evidence or advice from appropriate government agencies or authorities has been cited by the petitioner. In response, the petitioner has clarified that the item is extremely critical from security point of view and necessary justification has been provided in the petition. It has also submitted that the items have been proposed</p>	<p>The petitioner has claimed the capitalization of the item / works under Regulation 14(3)(viii) on the ground that it has become necessary for successful and efficient plant operation. It is also noticed from Annexure-I of the rejoinder that the items have been proposed by CISF. The petitioner vide affidavit dated 31.12.2014 has submitted that the capitalization of the expenditure is based on the guidelines for physical security of hydro power projects as recommended by the National infrastructure protection plan for hydro power stations. In view of this and considering the fact that the threat perception for this generating station is high (as concluded by IB) we allow the capitalization of this item/works as claimed by the petitioner.</p>	11.00

			by CISF.		
2	Security and Surveillance System	10.00	<p>New Work: Being the proximity of J&K and various guidelines received from Intelligence Bureau, Security and Surveillance System is very important for the generating station. Already CCTV camera and Access Control System has been installed at various location of the Power Station and capitalised in 2009-10. Some locations are still required to be covered under this system. Besides the above, various new security devices/gadgets like Non-lethal Weapons, Riot Drill Equipment, HF sets, water scanners, 5.56 mm Rifle etc is required by CISF. Some security equipments like HHMD, Dragon lights etc. became old and outlived their life and already surveyed off in the year 2013. So new HHMDs and Dragon Lights are required for CISF.</p> <p>The respondent, BRPL has submitted that no documentary evidence or advice from appropriate government agencies or authorities has been cited by the petitioner. In response, the petitioner has clarified that the items have been proposed by CISF.</p>	The petitioner has claimed the capitalization of the item / works under Regulation 14(3)(viii) on the ground that it has become necessary for successful and efficient plant operation. It is also noticed from Annexure-I of the rejoinder that the items have been proposed by CISF. In view of this and considering the fact that the threat perception for this generating station is high (as concluded by IB) we allow the capitalization of this item/works as claimed by the petitioner.	10.00
3	Supply and Installation of PLC based Data acquisition system	25.00	<p>New Work: Presently no real time online monitoring and recording of electrical parameters like MW, Mvar, Voltage, Current etc of generating units and feeders are available at CPS-I. Monitoring and recording of these parameters is very vital for the assessment of the healthiness of system. It is also prudent to mention that as per the IEGC Grid code, CERC has approved</p>	Allowed under Regulation 14(3)(viii) as the asset is considered necessary for monitoring and recording of vital parameters for the purpose of grid security.	25.00

			<p>"Procedure for Assessment of Frequency Response Characteristic" (FRC) of control areas in Indian Power System" and accordingly in the event of any grid disturbance due to tripping of any generating unit or feeder in the Grid, all the power station must furnish the frequency response characteristics of Generating unit in form of graph of load, frequency v/s Time. Since no such real time monitoring and recording system is available at the generating station, it is not possible to furnish the data asked by the different authorities. Therefore, a proposal for supply and installation of PLC based data acquisition system at the station has been already initiated and is under tendering stage.</p> <p>The respondent BRPL has contended that no rationality has been advanced and the proposal has no justification. In response, the petitioner has clarified that the work is proposed in compliance with the IEGC Grid Code and the procedure for Assessment Procedure for Assessment of Frequency Response Characteristic (FRC). Accordingly, one unit of the power station is identified for Frequency Response Analysis.</p>		
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4	Replacement of Portable DGA Instrument	36.00	<p>On replacement basis: A Dissolved Gas Analysis (DGA) instrument was purchased in the year 1999. This instrument is very vital and extensively used for the Dissolve gas analysis of the Transformer oil. During use several problems have been observed in the instrument which were got rectified by the OEM i.e. M/s Morgan Schaffer, Canada. At present, equipment is not working satisfactorily and its rectification cannot be carried out in India and rectification of the faulty equipment from Canada is not economical. DGA Instrument now available in the market has several advance features which is very essential for analysis purpose. Since the available equipment at the generating station has already completed its useful life, it is proposed to purchase one no. of new advance DGA instrument to replace the old and faulty DGA equipment.</p>	<p>Allowed under Regulation 14(3)(viii) since the asset is considered necessary for efficient and successful operation of the generating station. The gross value of old asset is considered as `38.52 lakh.</p>	<p>(-) 2.52 (36.00-38.52)</p>
5	Purchase of Hospital Equipment	2.00	<p>New Work: Hospital with latest medical equipment is one of the mandatory requirements of any Project which caters the medical facilities of Power Station personnel as well as adjacent local population as a part of community service. Several new and latest medical equipments have been purchased under this head for proper and better diagnosis and better medical facility. It is therefore required to purchase new equipments like Stethoscopes, Portable Foetal doplars, Scoop Strecher etc.</p> <p>The respondent BRPL has submitted that these items are of a minor nature. The</p>	<p>Allowed under Regulation 14(3)(viii) as the said asset is for the benefit of employees working in the generating station which in turn will ensure the efficient operation of the generating station</p>	<p>2.00</p>

			respondent, UPPCL has submitted that the expenses under this head may be charged to O&M expenses. The petitioner has clarified that these assets are of a capital nature and are required for successful & efficient operation of the generating station.		
6	Replacement of Hospital Equipment	1.00	<p>On replacement basis Since the commissioning of the project hospital, several medical equipments were purchased for betterment of medical facility. Due to continuous R&D and application of information technology to clinical purpose, new instruments are available which have intelligent functions and are more accurate. It is therefore required to replace old ECG Machine.</p> <p>The respondent BRPL has submitted that these items are of a minor nature. The respondent, UPPCL has submitted that the expenses under this head may be charged to O&M expenses. The petitioner has clarified that these assets are of a capital nature and are required for successful & efficient operation of the generating station.</p>	<p>Allowed under Regulation 14(3)(viii) as the said asset is for the benefit of employees working in the generating station which in turn will ensure the efficient operation of the generating station. The gross value of old ECG machine has been considered as `0.72 lakh.</p>	<p>0.28 (1.00-0.72)</p>
7	Replacement of 40MT Hydraulic Crane	177.00	<p>On replacement basis: The existing crane was purchased in the year 1986 and has outlived more than 27 years. Presently the crane is under breakdown and case has already processed for disposal of the equipment. As this equipment is required for loading / unloading of heavy materials in the power station for maintenance works, hence requires to be replaced.</p> <p>The respondent, UPPCL has</p>	<p>Allowed under Regulation 14(3)(viii) since the asset is considered necessary for efficient and successful operation of the generating station. The gross value of old asset has been considered as `46.54 lakh.</p>	<p>130.46 (177.00-46.54)</p>

			submitted that the expenses under this head may be charged to O&M expenses. The petitioner has clarified that these assets are of a capital nature and are required for successful & efficient operation of the generating station.		
8	Replacement of wheel dozer	232.00	<p>On replacement basis: The existing wheel dozer was purchased in the year of 1986 and has outlived more than 27 years. This equipment has completed the scheduled life in terms of years & running hours as per the disposal policy and frequent breakdown of the equipment hampers the works and hence requires to be replaced.</p> <p>The respondent, UPPCL has submitted that the expenses under this head may be charged to O&M expenses. The petitioner has clarified that these assets are of a capital nature and are required for successful & efficient operation of the generating station.</p>	Allowed under Regulation 14(3)(viii) since the asset is considered necessary for efficient and successful operation of the generating station. The gross value of old asset has been considered as `3.98 lakh.	228.02 (232.00-3.98)
9	Replacement of 1 MVA DG Set at Switch Yard and addition of 500 kVA DG set for DAM	160.00	<p>On replacement basis: An amount of `60.00 lakh was already approved by Commission in 2010-11 and `150.00 lakh in 2011-12 towards the replacement of DG Set at the station. A supply order for the supply and installation of 1 MVA DG set for Switchyard to meet the emergency power of Power House and Switchyard has already placed for `119 lacs and 1 no. of 500 kVA DG set for DAM to meet the emergency power of DAM and is under tendering stage. Total purchase cost of two DG sets is `160.00 lakh.</p>	Allowed under Regulation 14(3)(viii) as the asset is considered necessary for efficient and successful operation of the generating station. The gross value of old DG sets asset is considered as `21.19 lakh.	138.81 (160.00-21.19)
10	Replacement of Distribution Transformers	15.00	<p>On replacement basis: A total amount of `100 lakh was approved by the</p>	Allowed under Regulation 14(3)(viii) since	11.82 (15.00-3.18)

			Commission during 2009-14 towards the replacement of distribution transformers. Out of this, `42.29 lakh has already been capitalised during 2009-14. Since one no. of 1000 kVA and two nos. of 250 kVA distribution transformers have already outlived their life and needs to be replaced, on the basis of requirement at Power station it has been planned to replace this 1000 kVA distribution transformer with 2 nos. of 500 kVA distribution transformers and accordingly a proposal for purchase of 02 Nos. of 500 kVA distribution transformer & 02 Nos. of 250 KVA distribution transformers were already initiated in 2013-14, out of which a purchase order for the supply of 02 Nos. of 500 kVA Distribution Transformer for `8.60lakh has already been placed and the proposal of 02 Nos. of Distribution Transformer is under tendering stage.	the asset is considered necessary for efficient & successful operation of the generating station. The gross value of old asset has been considered as `3.18 lakh.	
11	Replacement of 5 MVA Substation Transformer	28.00	On replacement basis: An amount of `25.00lakheach was approved by Commission for the years 2010-11 and 2011-12 for replacement of 5 MVA Substation transformer. Order for supply of one number 5 MVA sub-station transformer amounting `27.80 lakh has already been placed.	Allowed under Regulation 14(3)(viii) as the work which has been approved is for efficient and successful operation of the generating station. The gross value of old asset has been considered as `1.25 lakh.	26.75 (28.00-1.25)
Total amount claimed		697.00			
Total amount allowed					581.62

2015-16

(' in lakh)

Sl. No.	Assets/ Works	Amount Claimed	Justification submitted by the petitioner	Remarks on admissibility	Amount Allowed
1	Purchase, Erection, Testing and Commissioning of 420 kV GIS Bus bar extension Bay	2317.00	<p>During the 14th TCC and 15th NRPC meeting held in December 2009, M/s PGCIL had proposed to install 3 phase 125 MVAR Bus reactor at the station control over voltage in Northern Region. The administrative approval by the competent authority for the same has been conveyed by O&M division, corporate office vide letter dated 15.12.2010. After administrative approval by the competent authority, O&M Division has initiated proposal for implementation. In this regard a case for extension of existing 420 kV GIS bay for the installation and commissioning of 3 nos. single phase 42 MVar bus Reactor is already initiated.</p> <p><i>The Commission vide technical validation has asked the petitioner to explain the reason as to why these assets have not been installed so far while PGCIL proposal is about 5 years old and to furnish documents regarding administrative approval to undertake the works. The petitioner vide affidavit dated 7.10.2014 has furnished the letter dated 15.12.2010 on administrative approval and minutes of 15th NRPC meeting (24.12.2009) regarding the approval of the proposal for GIS extension bay and installation of bus reactors at Chamera-I power station. Regarding the delay to take up the work, it has been submitted by the petitioner that tendering process for above work was started in December 2010. However, due to high offered cost for GIS extension bay w.r.t. estimated cost, the tender was again initiated on</i></p>	Allowed under Regulation 14(3)(viii) considering the submissions of the petitioner and since the said proposal/scheme is to control improve high voltage conditions in the Northern Region grid and is based on recommendations of PGCIL.	2317.00

			<p>open tender basis, but due to certain changes in technical specification of GIS extension bay, tendering process of bus reactor was terminated in May 2014. After incorporating revised technical specification, tendering process of both cases is under process.</p> <p>The respondent BRPL has submitted that there may not be any urgent requirement for capitalisation especially when the petitioner has delayed its implementation for more than 5 years. The respondent, UPPCL has submitted that there is no reason as to why the O&M division has directed to undertake the said work and allowing the expenditure will result in delicacy. In response, the petitioner has submitted that detailed justification for capitalisation of the expenditure has been submitted with supporting documents. It has also clarified that in the 14th TCC and 15th NRPC meeting, the TCC members agreed on the proposal of PGCIL for implementation of bus reactor at the generating station to be taken up by the generating company.</p>		
2	Purchase, Erection, Testing and Commissioning of three nos. of 42 MVAR Single Phase Bus Reactor	1334.00	<p>During the 14th TCC and 15th NRPC meeting held in December 2009, M/s PGCIL has proposed to install 3 phase 125 MVAR Bus reactor to control over voltage in Northern Region. The administrative approval by the competent authority for the same has been conveyed by O&M division, corporate office vide letter dated 15/12/2010. After accord of administrative approval by the competent authority, O&M Division has initiated proposal for</p>	<p>Allowed under Regulation 14(3)(viii) considering the submissions of the petitioner and since the said proposal/scheme is to control improve high voltage conditions in the Northern Region grid and is based on recommendations of PGCIL.</p>	1334.00

			implementation. In this regard a case for the supply, installation and commissioning of 3 nos. of Single Phase 420 kV/ $\sqrt{3}$, 42 MVAR Reactor is already under tendering stage at Corporate office contract division.		
3	Civil Works for the installation of Bus Reactor	223.00	For the erection and commissioning of Bus Reactors and extension of bay, civil works at Switchyard of Chamera Power Station-I is required.	Allowed under Regulation 14(3)(viii) as the works are considered necessary for efficient and successful operation of the generating station	223.00
4	Security Fencing for Switchyard	113.00	Being a close proximity of J&K, security instruction has been received from various agencies to strengthen the security of the station. As per the letter dated 22/09/2013 by GM (E&FMS), Corporate Office, the switchyard area of the power station needs to be constructed as per new security guidelines. At present the Switchyard is fenced by wire mesh fencing of approx 6' height and hence new masonry wall is required to be constructed as per the guidelines issued vide above letter. The respondent, BRPL has submitted that no documentary evidence or advice from appropriate government agencies or authorities has been cited by the petitioner. In response, the petitioner has clarified that the expenditure incurred is in terms of the guidelines issued by CEA on 2.9.2011 based on the recommendations of the Committee on National Infrastructure Protection	Considering the submissions of the petitioner and since the asset/work is necessary to provide additional safety cover to the switchyard of the generating station, the expenditure is allowed under the Regulation 14(3)(viii) of the 2014 Tariff Regulations.	113.00

			Plan for hydro power stations.		
5	Security and Surveillance System	15.00	Being the proximity of J&K and various guidelines received from Intelligence Bureau, Security and Surveillance System is very important for the power station. In this context CCTV Camera and Access Control System has already been installed at various locations of the Power Station and capitalized in the year 2009-10. Some location is still required to be covered under this System. Besides above, various new security devices /gadgets like Non Lethal Weapons, Riot Drill Equipment, HF sets, water scanners, 5.56 mm Rifle etc is required by CISF at power station. Some of the security equipments like HHMD, Dragon lights etc. have became old and outlived their life and already surveyed off in the year 2013. So new HHMDs and Dragon Lights are required for CISF.	The petitioner has claimed the capitalization of the item / works under Regulation 14(3)(viii) on the ground that it has become necessary for successful and efficient plant operation. It is also noticed from Annexure-I of the rejoinder that the items have been proposed by CISF. In view of this and considering the fact that the threat perception for this generating station is high (as concluded by IB) we allow the capitalization of this item /works as claimed by the petitioner.	15.00
6	Addition of OFC Network and Wireless Connectivity of LAN at CPS-I	10.00	ERP has already been implemented in the generating station. For smooth running of this system, various sites of the project are connected on OFC Network for which work has been awarded and capitalised in the previous years. In addition, it is proposed to install secured Wireless Network at various offices of the generating station. This network is also needed to be continuously upgraded by adoption of new and upcoming technology.	Allowed under Regulation 14(3)(viii) as the generating station is remotely located and the asset is considered necessary for efficient and successful operation of the generating station.	10.00

7	Equipment for compliance of OHSAS and environment policy requirement	12.00	<p>The generating station has been certified to meet the standards of OHSAS and environment. The requirements of OHSAS and environment certification are upgraded from time to time for the adoption of best practices prevailing in the industry all over the world. Various equipments like water purification systems, waste disposal and treatment equipments, air/water/soil pollution control and mitigation equipment etc. are required to be purchased to fulfill these requirements.</p> <p>The respondent, BRPL has submitted that no document/notification has been cited and the claim is made under Regulation 14(3)(viii) of the 2009 Tariff Regulations. In response, the petitioner has clarified that these items are required for time to time compliance of OHSAS and environmental policy requirement and necessary justification has been provided in the petition.</p>	<p>Allowed under Regulation 14(3)(viii) considering the fact that the asset is required to meet the standards of OHSAS and environment policy.</p>	12.00
8	Replacement of Elevator at PH and Dam	81.00	<p>On replacement basis: One number elevator at Power House and one elevator at DAM were installed by M/s OTIS during the construction of the project in the year 1994. With the continuous use, wear/tear and due to inherent working conditions at underground power house, this lift has started giving problem time to time. Since these elevators at PH and DAM have already outlived their life, it is proposed to replace these elevators with new Elevator for smooth operation of the power plant & dam.</p>	<p>Allowed under Regulation 14(3)(viii) for replacement of old elevators, since the asset is considered necessary for efficient and successful operation of the generating station & dam. The gross value of old elevators is considered as ` 27.50 lakh.</p>	<p>53.50 (81.00-27.50)</p>

9	Purchase of Hospital Equipment	0.45	Project Hospital with latest medical equipment is one of the mandatory requirements of any project which caters the medical facilities of power station personnel as well as adjacent local population as a part of community service. Several new and latest medical equipments has been purchased under this head for proper and better diagnosis and better medical facility. It is therefore required to purchase new 'Scoop Stretcher' for better care of injured patient during emergency and accidental condition.	Allowed under Regulation 14(3)(viii) as the said asset is for the benefit of employees working in the generating station which in turn will ensure the efficient operation of the generating station	0.45
10	Replacement of Hospital Equipment	1.55	On replacement basis: Since the commissioning of the project hospital several medical equipments were purchased for betterment of medical facility. Due to continuous R&D and application of information technology to clinical purpose, new instruments are available which have intelligent functions and are more accurate. It is therefore required to replace the old automatic urine analyzer.	Allowed under Regulation 14(3)(viii) as the said asset is for the benefit of employees working in the generating station which in turn will ensure the efficient operation of the generating station. The gross value of old urine analyzer has been considered as `0.74 lakh.	0.81 (1.55-0.74)
11	Construction of executive field hostel/ transit camp	300.00	The additional capitalization of `200.00 lakh was already approved by Commission in 2011-12 for these works. A proposal has already been initiated. Construction of Executive Field Hostel / Transit Camp is expected to be capitalized in the 2015-16.	Allowed under Regulation 14(3)(viii) as the work has been approved works by Commission by order dated 12.7.2013.	300.00
Total amount claimed		4407.00			
Total amount allowed					4378.76

Sl. No.	Assets/ Works	Amount Claimed	Justification submitted by the petitioner	Remarks on admissibility	Amount Allowed
1	Security and Surveillance System	15.00	Being the proximity of J&K and various guidelines received from Intelligence Bureau Security and Surveillance System is very important for the station. In this context already CCTV Camera and Access Control System has been installed at various location of the Power Station and capitalised in the year 2009-10. Some location is still required to be covered under this system. Besides above, various new security devices/ gadgets like Non Lethal Weapons, Riot Drill Equipment HF sets, water scanners, 5.56 mm Rifle etc is required by CISF. Some security equipments like HHMD, Dragon lights etc. became old and outlived their life and already surveyed off in the year 2013. So new HHMDs and Dragon Lights are required for CISF.	The petitioner has claimed the capitalization of the item / works under Regulation 14(3)(viii) on the ground that it has become necessary for successful and efficient plant operation. It is also noticed from Annexure-I of the rejoinder that the items have been proposed by CISF. In view of this and considering the fact that the threat perception for this generating station is high (as concluded by IB) we allow the capitalization of this item/works as claimed by the petitioner.	15.00
2	Equipment for compliance of OHSAS and environment policy requirement	5.00	The generating station has been certified to meet standards of OHSAS and environment. The requirements of OHSAS and environment certification are upgraded from time-to-time for the adoption of best practices prevailing in the industry all over the world. Various equipments like water purification systems, waste disposal and treatment equipments, air /water/ soil pollution control and mitigation equipment etc. are required to be purchased to fulfill these requirements.	Allowed under Regulation 14(3)(viii) considering the fact that the asset is required to meet the standards of OHSAS and environment policy.	5.00

3	Replacement of Hospital Equipment	12.00	On replacement basis: Since commissioning of the project hospital several medical equipments were purchased for betterment of medical facility. Due to continuous R&D and application of information technology to clinical purpose, new instruments are available which have intelligent functions and are more accurate. The reliability and result-interpretation of medical equipments and systems are vital for proper diagnosis. It is therefore required to replace Auto analyzer (Biochemistry).	Allowed under Regulation 14(3)(viii) as the said asset is for the benefit of employees working in the generating station which in turn will ensure the efficient operation of the generating station. The de-capitalization of old asset has been considered as `5.72 lakh.	6.28 (12.00-5.72)
4	Replacement of Flat Body Truck	21.00	On replacement basis: The existing flat body truck has completed the scheduled life in terms of year & KMs run as per the disposal policy and the condition of the truck is in bad shape which requires replacement.	Allowed under Regulation 14(3)(viii) towards the replacement of old truck as the same has outlived its life. The gross value of old truck has been considered as `1.91 lakh.	19.09 (21.00-1.91)
5	Replacement of Dux Dumper with Heavy Duty Tipper	23.00	On replacement basis: The existing Dux Dumper was purchased in the year of 1986 and has outlived more than 27 years and spares for the repair / maintenance is not available in India and the condition of machine is very poor which requires replacement. Object Id as per the FAR: 0415010003 Acquisition year of the equipment: year 1986 Acquisition Cost of the equipment: `32.16 lakh	Allowed under Regulation 14(3)(viii) towards the replacement of old dumper as the same has outlived its life. The gross value of old dumper has been considered as `32.16 lakh.	(-) 9.16 (23.00-32.16)

6	Replacement of Wheel Loader with Backhoe Excavator - Loader Machine	40.00	On replacement basis For routine loading & excavating works such muck clearance at the roads and civil works at the project site. The existing Wheel loader was purchased in the year of 1985 which has outlived more than 28 years. This equipment has completed the scheduled life in terms of years & running Hrs. as per the disposal policy and the frequent breakdown of the equipment hampers the works and hence requires replacement of the equipment.	Allowed under Regulation 14(3)(viii) towards the replacement of old wheel loader as the same has outlived its life. The gross value of old wheel loader has been considered as `39.67 lakh.	0.33 (40.00-39.67)
7	Replacement of Fire Tender	36.00	On replacement basis: The existing Fire Tender was purchased in the year of 1986 and has outlived more than 27 years. Keeping the safety point of view this fire tender has to be replaced and the vehicle / equipment should be in very good condition for fire fighting.	Allowed under Regulation 14(3)(viii) for replacement of old fire tender as it has outlived its life. The gross value of old fire tender has been considered as `5.21 lakh.	30.79 (36.00-5.21)
Total amount claimed		152.00			
Total amount allowed					67.33

2017-18

Sl. No.	Assets/ Works	Amount Claimed	Justification submitted by the petitioner	Remarks on admissibility	Amount allowed
1	Security and Surveillance System	15.00	Being the proximity of J&K and various guidelines received from Intelligence Bureau Security and Surveillance System is very important for Chamera Power Station-I. In this context already CCTV Camera and Access Control System has been installed at various location of the Power Station and capitalised in the year 2009-10. Some location is still required to be covered under this system. Besides above, various new security devices/ gadgets like Non	The petitioner has claimed the capitalization of the item / works under Regulation 14(3)(viii) on the ground that it has become necessary for successful and efficient plant operation. It is also noticed from Annexure-I of the rejoinder that the items have been proposed by CISF. In view of this and	15.00

			Lethal Weapons, Riot Drill Equipment HF sets, water scanners, 5.56 mm Rifle etc is required by CISF at Chamera-I. Some security equipments like HHMD, Dragon lights etc. became old and outlived their life and already surveyed off in the year 2013. So new HHMDs and Dragon Lights are required for CISF.	considering the fact that the threat perception for this generating station is high (as concluded by IB) we allow the capitalization of this item/works as claimed by the petitioner.	
2	Addition of OFC Network and Wireless Connectivity of LAN at CPS-I	10.00	ERP has already been implemented at CPS-I. For smooth running of this System various sites of the Project are connected on OFC Network for which work has been awarded and capitalised in the previous years. In addition it is proposed to install secured Wireless Network at various offices of the generating station. This network is also needed to be continuously upgraded by adoption of new and upcoming technology.	Allowed under Regulation 14(3)(viii) as the generating station is remotely located and the asset is considered necessary for efficient and successful operation of the generating station..	10.00
3	Equipment for compliance of OHSAS and environment policy requirement	5.00	The generating station has been certified to meet standards of OHSAS and environment. The requirements of OHSAS and environment certification are upgraded from time-to-time for the adoption of best practices prevailing in the industry all over the world. Various equipments like water purification systems, waste disposal and treatment equipments, air/water/soil pollution control and mitigation equipment etc. are required to be purchased to fulfill these requirements.	Allowed under Regulation 14(3)(viii) considering the fact that the asset is required to meet the standards of OHSAS and environment policy.	5.00
4	Replacement of Hospital Equipment	16.00	On replacement basis Since the commissioning of the project hospital several medical equipments were purchased for betterment of medical facility. Due to continuous R&D and application of information technology to clinical purpose, new instruments are	Allowed under Regulation 14(3)(viii) as the said asset is for the benefit of employees working in the generating station which in turn will ensure the efficient operation of	11.36 (16.00-4.64)

			available which have intelligent functions and are more accurate. The reliability and result-interpretation of medical equipments and systems are vital for proper diagnosis. It is therefore required to replace the old Automatic cell counter and ECG Machines with new Automatic cell counter (`14.50 lakh) and ECG Machines (`1.50 lakh).	the generating station. The total gross value of old assets has been considered as `4.64 lakh.	
5	Replacement of 10MT Fork Lifter	36.00	On replacement basis The existing Fork lifter was purchased in the year of 1989 and has outlived more than 24 years. The body of the equipment has been rusted and parts become worn-out. As this equipment is required for loading / unloading of materials in the stores, safety of the materials is very important and hence requires being replaced so that the shifting of materials / loads shall be done safe & securing. Object Id as per the FAR: 492010001:Acquisition year of the equipment: year 1989 Acquisition Cost of the equipment: `13.64 lakh	Allowed under Regulation 14(3)(viii) towards the replacement of old Fork Lifter, as the asset is considered necessary for efficient operation of the generating station. The gross value of old asset has been considered as `13.64 lakh.	22.36 (36.00-13.64)
Total amount claimed		82.00			
Total amount allowed					63.72

2018-19

(` in lakh)

Sl. No	Assets/ Works	Amount Claimed	Justification submitted by the petitioner	Remarks on admissibility	Amount Allowed
1	Security and Surveillance System	15.00	Being the proximity of J&K and various guidelines received from Intelligence Bureau Security and Surveillance System is very important for Chamera Power Station-I. In this context already CCTV Camera and Access Control System has been installed at various location of the Power Station and capitalized in the year 2009-10. Some location is still required to be covered	The petitioner has claimed the capitalization of the item / works under Regulation 14(3)(viii) on the ground that it has become necessary for successful and efficient plant operation. It is also noticed from Annexure-I of the rejoinder that the	15.00

			under this System. Besides above, various new security devices /gadgets like Non Lethal Weapons, Riot Drill Equipment , HF sets, water scanners, 5.56 mm Rifle etc is required by CISF. Some security equipments like HHMD, Dragon lights etc. became old and outlived their life and already surveyed off in the year 2013. So new HHMDs and Dragon Lights are required for CISF.	items have been proposed by CISF. In view of this and considering the fact that the threat perception for this generating station is high (as concluded by IB) we allow the capitalization of this item /works as claimed by the petitioner.	
2	Equipment for compliance of OHSAS and environment policy requirement	5.00	The generating station has been certified to meet standards of OHSAS and environment. The requirements of OHSAS and environment certification are upgraded from time-to-time for the adoption of best practices prevailing in the industry all over the world. Various equipments like water purification systems, waste disposal and treatment equipments, air/water/soil pollution control and mitigation equipment etc. are required to be purchased to fulfill these requirements.	Allowed under Regulation 14(3)(viii) considering the fact that the asset is required to meet the standards of OHSAS and environment policy.	5.00
Total amount claimed		20.00			
Total amount allowed					20.00

De-capitalization of assets

71. The petitioner has claimed de-capitalization of the assets based on replacement of old assets, which have outlived their useful life. The cost of acquisition of old asset /equipment as provided has been considered as the de-capitalized value of the old asset for the purpose of computation of the net additional capital expenditure to be allowed.

<i>(in lakh)</i>				
2014-15	2015-16	2016-17	2017-18	2018-19
115.38	28.24	84.67	18.28	0.00

Additional capital expenditure allowed for 2014-19

72. Based on the above, the net additional capital expenditure allowed for the period 2014-19 is summarized as under:

	(₹ in lakh)				
	2014-15	2015-16	2016-17	2017-18	2018-19
Additional capital expenditure allowed	697.00	4407.00	152.00	82.00	20.00
De-capitalization	115.38	28.24	84.67	18.28	0.00
Net Additional Capital expenditure allowed	581.62	4378.76	67.33	63.72	20.00

Capital Cost for 2014-19

73. As stated, the closing capital cost as on 31.3.2014 is ₹ 204415.75 lakh as stated in para 47 of this order. The same has been considered as the opening capital cost as on 1.4.2014. Accordingly, the capital cost considered for the purpose of tariff for the period 2014-19 is as under:

	(₹ in lakh)				
	2014-15	2015-16	2016-17	2017-18	2018-19
Opening Capital Cost	204415.75	204997.37	209376.13	209443.46	209507.18
Additional Capital expenditure allowed	581.62	4378.76	67.33	63.72	20.00
Capital Cost as on 31st March of the year	204997.37	209376.13	209443.46	209507.18	209527.18

Return on Equity

74. Regulation 24 of the 2014 Tariff Regulations provides as under:

“24. Return on Equity: (1) Return on equity shall be computed in rupee terms, on the equity base determined in accordance with regulation 19.

(2) Return on equity shall be computed at the base rate of 15.50% for thermal generating stations, transmission system including communication system and run of the river hydro generating station, and at the base rate of 16.50% for the storage type hydro generating stations including pumped storage hydro generating stations and run of river generating station with pondage:

Provided that:

i) in case of projects commissioned on or after 1st April, 2014, an additional return of 0.50% shall be allowed, if such projects are completed within the timeline specified in Appendix-I:

ii). the additional return of 0.5% shall not be admissible if the project is not completed within the timeline specified above for reasons whatsoever:

iii). additional RoE of 0.50% may be allowed if any element of the transmission project is completed within the specified timeline and it is certified by the Regional Power Committee/National Power Committee that commissioning of the particular element will benefit the system operation in the regional/national grid:

iv). the rate of return of a new project shall be reduced by 1% for such period as may be decided by the Commission, if the generating station or transmission system is found to be declared under commercial operation without commissioning of any of the Restricted Governor Mode Operation (RGMO)/ Free Governor Mode Operation (FGMO), data telemetry, communication system up to load dispatch centre or protection system:

v) as and when any of the above requirements are found lacking in a generating station based on the report submitted by the respective RLDC, RoE shall be reduced by 1% for the period for which the deficiency continues:

vi) additional RoE shall not be admissible for transmission line having length of less than 50 kilometers.

75. Regulation 25 of the 2014 Tariff Regulations provides as under:

“Tax on Return on Equity

(1) The base rate of return on equity as allowed by the Commission under Regulation 24 shall be grossed up with the effective tax rate of the respective financial year. For this purpose, the effective tax rate shall be considered on the basis of actual tax paid in the respect of the financial year in line with the provisions of the relevant Finance Acts by the concerned generating company or the transmission licensee, as the case may be. The actual tax income on other income stream (i.e., income of non generation or non transmission business, as the case may be) shall not be considered for the calculation of “effective tax rate”.

(2) Rate of return on equity shall be rounded off to three decimal places and shall be computed as per the formula given below:

$$\text{Rate of pre-tax return on equity} = \text{Base rate} / (1-t)$$

Where “t” is the effective tax rate in accordance with Clause (1) of this regulation and shall be calculated at the beginning of every financial year based on the estimated profit and tax to be paid estimated in line with the provisions of the relevant Finance Act applicable for that financial year to the company on pro-rata basis by excluding the income of non-generation or non-transmission business, as the case may be, and the corresponding tax thereon. In case of generating company or transmission licensee paying Minimum Alternate Tax (MAT), “t” shall be considered as MAT rate including surcharge and cess.

(3) The generating company or the transmission licensee, as the case may be, shall true up the grossed up rate of return on equity at the end of every financial year based on actual tax paid together with any additional tax demand including interest thereon, duly adjusted for any refund of tax including interest received from the income tax authorities pertaining to the tariff period 2014-15 to 2018-19 on actual gross income of any financial year. However, penalty, if any, arising on account of delay in deposit or short deposit of tax amount shall not be claimed by the generating company or the transmission licensee as the case may be. Any under-recovery or over-recovery of grossed up rate on return on equity after truing up, shall be recovered or refunded to beneficiaries or the long term transmission customers/DICs as the case may be on year to year basis.”

76. The petitioner has considered the Rate of Return on Equity as under:

	2014-15	2015-16	2016-17	2017-18	2018-19
Base Rate	16.500%	16.500%	16.500%	16.500%	16.500%
Tax Rate (MAT)	20.961%	20.961%	20.961%	20.961%	20.961%
Rate of ROE (pre-tax)	20.876%	20.876%	20.876%	20.876%	20.876%

77. Based on the above, Return on Equity has been computed as under:

	2014-15	2015-16	2016-17	2017-18	2018-19
Gross Notional Equity	63365.04	63539.53	64853.15	64873.35	64892.47
Addition due to Additional capital expenditure	174.49	1313.63	20.20	19.12	6.00
Closing Equity	63539.53	64853.15	64873.35	64892.47	64898.47
Average Equity	63452.28	64196.34	64863.25	64882.91	64895.47
Rate of Return on Equity	20.876%	20.876%	20.876%	20.876%	20.876%
Return on Equity	13246.30	13401.63	13540.85	13544.96	13547.58

Interest on Loan

78. Regulation 26 of the 2014 Tariff Regulations provides as under:

“26. Interest on loan capital: (1) The loans arrived at in the manner indicated in regulation 19 shall be considered as gross normative loan for calculation of interest on loan.

(2) The normative loan outstanding as on 1.4.2014 shall be worked out by deducting the cumulative repayment as admitted by the Commission up to 31.3.2014 from the gross normative loan.

(3) The repayment for each of the year of the tariff period 2014-19 shall be deemed to be equal to the depreciation allowed for the corresponding year/period. In case of de-capitalization of assets, the repayment shall be adjusted by taking into account cumulative repayment on a pro rata basis and the adjustment should not exceed cumulative depreciation recovered upto the date of de-capitalization of such asset.

(4) Notwithstanding any moratorium period availed by the generating company or the transmission licensee, as the case may be, the repayment of loan shall be considered from the first year of commercial operation of the project and shall be equal to the depreciation allowed for the year or part of the year.

(5) The rate of interest shall be the weighted average rate of interest calculated on the basis of the actual loan portfolio after providing appropriate accounting adjustment for interest capitalized:

Provided that if there is no actual loan for a particular year but normative loan is still outstanding, the last available weighted average rate of interest shall be considered:

Provided further that if the generating station or the transmission system, as the case may be, does not have actual loan, then the weighted average rate of interest of the generating company or the transmission licensee as a whole shall be considered.

(6) The interest on loan shall be calculated on the normative average loan of the year by applying the weighted average rate of interest.

(7) The generating company or the transmission licensee, as the case may be, shall make every effort to re-finance the loan as long as it results in net savings on interest and in that event the costs associated with such re-financing shall be borne by the beneficiaries and the net savings shall be shared between the beneficiaries and the generating company or the transmission licensee, as the case may be, in the ratio of 2:1.

(8) The changes to the terms and conditions of the loans shall be reflected from the date of such re-financing.

(9) In case of dispute, any of the parties may make an application in accordance with the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999, as amended from time to time, including statutory re-enactment thereof for settlement of the dispute:

Provided that the beneficiaries or the long term transmission customers /DICs shall not withhold any payment on account of the interest claimed by the generating company or the transmission licensee during the pendency of any dispute arising out of re-financing of loan."

79. The normative loan for the project has already been repaid. The normative loan on account of the admitted additional capital expenditure during the respective years of the tariff period have also been considered as fully paid, as the admitted depreciation is more than the amount of normative loan in these years. As such, Interest on loan during the period 2014-19 is worked out as 'Nil'.

	(' in lakh)				
	2014-15	2015-16	2016-17	2017-18	2018-19
Gross Normative loan	141050.71	141457.84	144522.98	144570.11	144614.71
Cumulative repayment upto previous year	142399.83	142806.96	145872.10	145919.23	145963.83
Net loan-opening	0.00	0.00	0.00	0.00	0.00
Repayment during the year	407.13	3065.13	47.13	44.60	14.00
Additions due to additional capital expenditure	407.13	3065.13	47.13	44.60	14.00
Net loan-closing	0.00	0.00	0.00	0.00	0.00
Average Loan	0.00	0.00	0.00	0.00	0.00
Weighted Average Rate of Interest on loan	-	-	-	-	-
Interest on normative loan	0.00	0.00	0.00	0.00	0.00

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Depreciation

80. Regulation 27 of the 2014 Tariff Regulations provides as under:

“27. Depreciation: (1) Depreciation shall be computed from the date of commercial operation of a generating station or unit thereof or a transmission system including communication system or element thereof. In case of the tariff of all the units of a generating station or all elements of a transmission system including communication system for which a single tariff needs to be determined, the depreciation shall be computed from the effective date of commercial operation of the generating station or the transmission system taking into consideration the depreciation of individual units or elements thereof.

Provided that effective date of commercial operation shall be worked out by considering the actual date of commercial operation and installed capacity of all the units of the generating station or capital cost of all elements of the transmission system, for which single tariff needs to be determined.

(2) The value base for the purpose of depreciation shall be the capital cost of the asset admitted by the Commission. In case of multiple units of a generating station or multiple elements of transmission system, weighted average life for the generating station of the transmission system shall be applied. Depreciation shall be chargeable from the first year of commercial operation. In case of commercial operation of the asset for part of the year, depreciation shall be charged on pro rata basis.

(3) The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset:

Provided that in case of hydro generating station, the salvage value shall be as provided in the agreement signed by the developers with the State Government for development of the Plant:

Provided further that the capital cost of the assets of the hydro generating station for the purpose of computation of depreciated value shall correspond to the percentage of sale of electricity under long-term power purchase agreement at regulated tariff:

Provided also that any depreciation disallowed on account of lower availability of the generating station or generating unit or transmission system as the case may be, shall not be allowed to be recovered at a later stage during the useful life and the extended life.

(4) Land other than the land held under lease and the land for reservoir in case of hydro generating station shall not be a depreciable asset and its cost shall be excluded from the capital cost while computing depreciable value of the asset.

(5) Depreciation shall be calculated annually based on Straight Line Method and at rates specified in **Appendix-II** to these regulations for the assets of the generating station and transmission system:

Provided that the remaining depreciable value as on 31st March of the year closing after a period of 12 years from the effective date of commercial operation of the station shall be spread over the balance useful life of the assets.

(6) In case of the existing projects, the balance depreciable value as on 1.4.2014 shall be worked out by deducting the cumulative depreciation as admitted by the Commission upto 31.3.2014 from the gross depreciable value of the assets.

(7) The generating company or the transmission license, as the case may be, shall submit the details of proposed capital expenditure during the fag end of the project (five years before the useful life) along with justification and proposed life extension. The Commission based on prudence check of such submissions shall approve the depreciation on capital expenditure during the fag end of the project.

(8) In case of de-capitalization of assets in respect of generating station or unit thereof or transmission system or element thereof, the cumulative depreciation shall be adjusted by taking into account the depreciation recovered in tariff by the de-capitalized asset during its useful services."

81. The COD of the generating station is 1.5.1994. Since the generating station has completed 12 years of operation as on 30.4.2006, the remaining depreciable value has been spread over the balance useful life of the assets. Assets amounting to `115.38 lakhs, `28.24 lakh, `84.67 lakh, `18.28 lakh and `nil are proposed to be de-capitalized during 2014-15, 2015-16, 2016-17, 2017-18 and 2018-19 respectively. As per the prevailing practice, the amount of cumulative depreciation allowed in tariff against those de-capitalized assets has been calculated on pro-rata basis. The same has been adjusted from the cumulative depreciation of the year of de-capitalization. Accordingly, depreciation has been computed as follows:

	(` In lakh)				
	2014-15	2015-16	2016-17	2017-18	2018-19
Gross Block as on 31.3.2014	204415.75	204997.37	209376.13	209443.46	209507.18
Projected Additional capital expenditure during 2014-19	581.62	4378.76	67.33	63.72	20.00
Closing gross block	204997.37	209376.13	209443.46	209507.18	209527.18
Average gross block	204706.56	207186.75	209409.80	209475.32	209517.18
Depreciable Value	181981.54	184213.71	186214.45	186273.42	186311.10
Balance useful life of the asset (years)	15.08	14.08	13.08	12.08	11.08
Remaining Depreciable Value	62892.49	61023.40	58707.29	54331.28	49973.08
Depreciation	4170.59	4334.05	4488.33	4497.62	4510.21

O&M Expenses

82. The generating station is in operation for three or more years as on 1.4.2014. Accordingly, in terms of sub-section (a) of clause (3) of Regulation 29 of the 2014 Tariff

Regulations, the year-wise O&M expense norms considered for the generating station of the petitioner for the period 2014-19 is as under:

(` in lakh)				
2014-15	2015-16	2016-17	2017-18	2018-19
10664.95	11373.53	12129.19	12935.05	13794.46

Interest on working capital

83. Sub-section (c) of Clause (1) of Regulation 28 of the 2014 Tariff Regulations provides as under:

“28. Interest on Working Capital:

(1) *The working capital shall cover*

(c) Hydro generating station including pumped storage hydro electric generating Station and transmission system including communication system:

(i) Receivables equivalent to two months of fixed cost;

(ii) Maintenance spares @ 15% of operation and maintenance expense specified in regulation 29; and

(iii) Operation and maintenance expenses for one month.”

84. Accordingly, receivables are allowed as under:

(` in lakh)					
	2014-15	2015-16	2016-17	2017-18	2018-19
Two months of annual fixed cost	4845.32	5024.29	5207.24	5351.25	5504.99

85. Accordingly, maintenance spares allowed are as under:

(` in lakh)					
	2014-15	2015-16	2016-17	2017-18	2018-19
Cost of maintenance spares (15% of O & M)	1599.74	1706.03	1819.38	1940.26	2069.17

86. Accordingly, O&M expenses for one month are allowed as under:

(` in lakh)					
	2014-15	2015-16	2016-17	2017-18	2018-19
O & M for one month	888.75	947.79	1010.77	1077.92	1149.54

Rate of interest on working capital

87. Clause (3) of Regulation 28 of the 2014 Tariff Regulations provides as under:

"Interest on working Capital: (3) Rate of interest on working capital shall be on normative basis and shall be considered as the bank rate as on 1.4.2014 or as on 1st April of the year during the tariff period 2014-15 to 2018-19 in which the generating station or a unit thereof or the transmission system including communication system or element thereof, as the case may be, is declared under commercial operation, whichever is later."

88. In terms of the above regulations, the Bank Rate of 13.50% (Base Rate + 350 Basis Points) as on 1.4.2014 has been considered by the petitioner. This has been considered in the calculations for the purpose of tariff.

Interest on Working Capital

89. Necessary computations in support of interest on working capital are appended below:

	(' in lakh)				
	2014-15	2015-16	2016-17	2017-18	2018-19
Maintenance Spares	1599.74	1706.03	1819.38	1940.26	2069.17
O & M expenses	888.75	947.79	1010.77	1077.92	1149.54
Receivables	4845.32	5024.29	5207.24	5351.25	5504.99
Total	7333.81	7678.11	8037.39	8369.43	8723.70
Interest on Working Capital @13.50%	990.06	1036.55	1085.05	1129.87	1177.70

90. Accordingly, the annual fixed charges approved for the generating station for the period from 1.4.2014 to 31.3.2019 is summarized as under:

	(' in lakh)				
	2014-15	2015-16	2016-17	2017-18	2018-19
Return on Equity	13246.30	13401.63	13540.85	13544.96	13547.58
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Depreciation	4170.59	4334.05	4488.33	4497.62	4510.21
Interest on Working Capital	990.06	1036.55	1085.05	1129.87	1177.70
O & M Expenses	10664.95	11373.53	12129.19	12935.05	13794.46
Annual Fixed Charges	29071.90	30145.76	31243.42	32107.50	33029.95

Normative Annual Plant Availability Factor

91. Clause (4) of Regulation 37 of the 2014 Tariff Regulations provides for the Normative Annual Plant Availability Factor (NAPAF) for hydro generating stations already

in operation. Accordingly, the NAPAF of 90% has been considered for this generating station.

Design Energy

92. The Commission in its order dated 12.7.2011 in Petition No.84/2010 had approved the annual Design Energy (DE) of 1664.55 Million units for the period 2009-14 in respect of this generating station. This DE has been considered for this generating station for the period 2014-19 as per month-wise details as under:

Month	Design Energy (MUs)
April	99.02
May	184.54
June	183.46
July	279.62
August	340.25
September	168.17
October	96.93
November	65.91
December	59.93
January	64.45
February	58.13
March	64.15
Total	1664.55

Application Fee and Publication Expenses

93. The petitioner has sought the reimbursement of filing fee and also the expenses incurred towards publication of notices for application of tariff for the period 2014-19. The petitioner has deposited the filing fees for the period 2014-19 in terms of the provisions of the Central Electricity Regulatory Commission (Payment of Fees) Regulations, 2012. The petitioner vide affidavit dated 14.11.2014 has also submitted that an amount of `397671/- has been incurred towards publication of the tariff petition 2014-19 in the newspapers. Accordingly, in terms of Regulation 52 of the 2014 Tariff Regulations, we direct that the petitioner shall be entitled to recover the filing fees and the expenses incurred on publication of notices for the period 2014-19 directly from the respondents.

94. The annual fixed charges approved for the period 2014-19 as above are subject to truing-up in terms of Regulation 8 of the 2014 Tariff Regulations.

95. Petition No. 237/GT/2014 is disposed of in terms of the above.

-Sd/-
(A.S. Bakshi)
Member

-Sd/-
(A.K.Singhal)
Member

-Sd/-
(Gireesh B. Pradhan)
Chairperson

CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

Petition No. 237/GT/2014

Coram:

Shri Gireesh B. Pradhan, Chairperson

Shri A. K. Singhal, Member

Shri A.S. Bakshi, Member

Date of Order : 4.12.2015

IN THE MATTER OF

Corrigendum to order dated 4.9.2015

In the matter of

Revision of Annual Fixed Charges for the period 2012-14 after truing-up exercise and Determination of annual fixed charges for the period 2014-19 in respect of Chamera-I Hydroelectric Power Station

And

In the matter of

NHPC Limited
NHPC Office Complex,
Sector-33, Faridabad,
Haryana-121003

...Petitioner

Vs

1. Punjab State Power Corporation Limited
The Mall, Secretariat Complex,
Patiala – 147001
2. Haryana Power Purchase Centre,
Shakti Bhawan, Sector, 6
Panchkula – 134109
3. BSES Rajdhani Power Ltd
BSES Bhawan, Nehru Place,
New Delhi – 110019
4. BSES Yamuna Power Ltd
BSES Bhawan, Nehru Place,
New Delhi – 110 019
5. Tata Power Delhi Distribution Ltd
33 kV Sub-station, Kingsway Camp,
Delhi –110009
6. Himachal Pradesh State Electricity Board,
Vidyut Bhawan, Kumar House,
Shimla-171004



7. Uttar Pradesh Power Corporation Ltd
Shakti Bhavan, 14, Ashok Marg, Lucknow – 226001

8. Rajasthan Rajya Vidyut Prasaran Nigam Ltd.
Vidut Bhavan, Janpath,
Jyoti Nagar, Jaipur-302005

9. Jaipur Vidyut Vitaran Nigam Ltd.,
Vidut Bhavan, Janpath,
Jaipur – 302005

10. Jodhpur Vidyut Vitaran Nigam Ltd.
New Power House, Industrial Area,
Jodhpur – 342003

11. Ajmer Vidyut Vitaran Nigam Ltd.
Old Power House, Hatthi Bhatta,
Jaipur Road, Ajmer – 305001

12. Uttaranchal Power Corporation Ltd,
UrjaBhawan, Kanwali Road,
Dehradun-248001

13. Engineering Department, UT Secretariat,
UT Secretariat, Sector 9D
Chandigarh-160009

14. Power Development Department,
New secretariat,
Jammu-180001 (J&K)

...Respondents

Corrigendum

By order dated 4.9.2015, the Commission had revised the annual fixed charges of the generating station for the period 2004-09 and 2009-14 and had determined the tariff for the period 2014-19, considering the directions contained in the judgment of the Appellate Tribunal for Electricity dated 5.2.2008 in Appeal No. 84/2007 and the Tariff Regulations.

2. It is noticed that the tariff of the generating station for the period 2012-14 and 2014-19 was allowed considering the revision of the debt-equity ratio in terms of the judgment of the Tribunal dated 5.2.2008. However, the impact of the revised debt-equity ratio on the annual fixed charges for the period 2009-12 was inadvertently not mentioned in order dated 4.9.2015. In addition, there has been linkage error in opening balance of accumulated depreciation as on



1.4.2009. This in our view is an error apparent on the face of the order dated 4.9.2015 and hence the same is required to be rectified.

3. Accordingly, in terms of the Regulation 111 read with Regulation 103 A of the Conduct of Business Regulations 1999, the order dated 4.9.2015 is modified as stated in the subsequent paragraphs.

4. The following components of tariff stand modified as under:

Return on Equity

	(₹ in lakh)				
	2009-10	2010-11	2011-12	2012-13	2013-14
Gross Notional Equity	63021.93	63226.68	63217.65	63271.14	63323.69
Addition due to Additional Capitalisation	204.75	(-9.03)	53.50	52.55	41.35
Closing Equity	63226.68	63217.65	63271.14	63323.69	63365.04
Average Equity	63124.30	63222.16	63244.40	63297.42	63344.37
Return on Equity (Base Rate)	15.500%	15.500%	15.500%	15.750%	16.500%
Tax rate	33.990%	33.218%	32.445%	20.008%	20.961%
Rate of Return on Equity	23.481%	23.210%	22.944%	19.689%	20.876%
Return on Equity	14822.22	14673.86	14510.79	12462.63	13223.77

Depreciation

	(₹ in lakh)				
	2009-10	2010-11	2011-12	2012-13	2013-14
Gross Block as on 31.3.2009	203272.04	203954.55	203924.44	204102.76	204277.93
Additional capital expenditure during 2009-14	682.51	(-30.11)	178.32	175.17	137.82
Closing gross block	203954.55	203924.44	204102.76	204277.93	204415.75
Average gross block	203613.30	203939.50	204013.60	204190.35	204346.84
Land Related Cost	2504.85	2504.85	2504.85	2504.85	2504.85
Depreciable Value	180997.60	181291.18	181357.88	181516.95	181657.79
Balance Useful life of the asset	20.08	19.08	18.08	17.08	16.08
Remaining Depreciable Value	83086.71	79507.35	75531.08	71520.42	67562.05
Depreciation	4137.08	4166.31	4176.82	4186.54	4200.73

Interest on working capital

	(₹ in lakh)				
	2009-10	2010-11	2011-12	2012-13	2013-14
Maintenance Spares	1334.70	1411.05	1491.76	1577.09	1667.30
O & M expenses	741.50	783.92	828.76	876.16	926.28
Receivables	4782.93	4851.73	4919.94	4672.67	4909.83
Total	6859.13	7046.69	7240.45	7125.92	7503.40
Interest on Working Capital @ 12.25%	840.24	863.22	886.96	872.92	919.17



5. Based on above the annual fixed charges determined by order dated 11.11.2013 in Petition No. 125/2013 and by order dated 4.9.2015 in Petition No. 237/GT/2014 for the period 2009-14 stand modified as under:

	(₹ in lakh)				
	2009-10	2010-11	2011-12	2012-13	2013-14
Return on Equity	14822.22	14673.86	14510.79	12462.63	13223.77
Interest on Loan	0.00	0.00	0.00	0.00	0.00
Depreciation	4137.08	4166.31	4176.82	4186.54	4200.73
Interest on Working Capital	840.24	863.22	886.96	872.92	919.17
O & M Expenses	8898.02	9406.98	9945.06	10513.92	11115.31
Annual Fixed Charges	28697.57	29110.37	29519.63	28036.02	29458.98

6. Consequent upon the above, the annual fixed charges determined for the generating station for the period 2014-19 by order dated 4.9.2015 shall be revised at the time of triung-up of tariff in terms of the provisions of the 2014 Tariff Regulations.

7. All other conditions of the order dated 4.9.2015 remain unchanged.

-Sd/-
(A.S. Bakshi)
Member

-Sd/-
(A.K. Singhal)
Member

-Sd/-
(Gireesh B. Pradhan)
Chairperson



ANNEX-VI

ARORA VOHRA & CO.

Chartered Accountants



Adjoining Jandu Tower,

Email: ca_mallik@yahoo.co.in

G.T.road, Miller Ganj, Ludhiana

Mobile: +91 9417053336

UDIN: 19097008AAAAAC6361

Independent Auditors' Certificate

NHPC Limited
 NHPC Office Complex,
 Sector-33
 Faridabad-121003
 Haryana

Re:Auditors Certificate with respect to Impact of Goods and services Tax(GST) due to change in Law for the period 1st July 2017 to 31st March 2018 and from 1st April 2018 to 31st December 2018 in respect of Chamera I Power Station.

Introduction

1. This certificate is issued in accordance with the terms of our engagement letter dated 12th February, 2019.
2. We, Arora Vohra & Co., Chartered Accountants (Firm's ICAI Registration No.009487N), the Joint statutory auditors ("the auditor") of NHPC Limited("the Company"), having its registered office at NHPC Office Complex, Sector-33, Faridabad-121003, Haryana have been requested by the Company to provide the Certificate for "Impact of Goods and services Tax (GST) for the period 1st July 2017 to 31st March 2018 and from 1st April 2018 to 31st December 2018" ("the Statement") in respect of Chamera I Power Station for submission to Central Electricity Regulatory Commission to allow the pass through of the Impact due to change in domestic duties under change in law through tariff to the beneficiaries.

Management's Responsibility

3. The Statement (referred to as Annexure - I and Annexure -II), is solely the responsibility of the Management of the Company. The said statement has been compiled from the books and records of the Company and the Company's Management is responsible for the designing, implementing and maintaining internal control relevant for the preparation of the books of account and the financial statements of the company, the accuracy and completeness of the accounting records, timely preparation of reliable information as required under Companies Act, 2013 and compilation of the said statement therefrom and applying an appropriate basis for preparation of the same.
4. The management is also responsible for complying with the provisions of GST as well as rules, regulations and directives under Electricity Act 2003.

Auditor's Responsibility

5. It is our responsibility to certify the Statement based on our examination of the matters in the Statement with reference to the books of account and other relevant records of the Company for the period 1st July 2017 to 31st March 2018 and for the period 1st April 2018 to 31st December 2018.
6. The unaudited financial results for the quarter ended 30th September 2018 and 31st December 2018 were reviewed by us pursuant to the requirements of Regulation 33 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirement) Regulations, 2015 ('the SEBI Regulations'). The limited review of the financial results was

H.O.: Chaltanya Complex; Prem Bhawan, Residency Road; Jammu-180001 (Jammu & Kashmir)

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ARORA VOHRA & CO.

Chartered Accountants



Adjoining Jandu Tower,

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G.T.road, Miller Ganj, Ludhiana

Mobile: +91 9417053336

conducted in accordance with the recognition and measurement principles laid down in the Indian Accounting Standard 34 "Interim Financial Reporting" ("Ind AS 34") prescribed under Section 133 of the Companies Act, 2013 read with relevant rules issued there under and other accounting principles generally accepted in India.

7. We have conducted examination of the Statement in accordance with the Guidance Note on Audit Reports and Certificates for Special Purposes, issued by the Institute of Chartered Accountants of India. The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.
8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that perform Audits and Review Historical Financial Information, and Other Assurance and Related Services Engagements.

Conclusion

9. Based on the procedures performed, evidence obtained and our examination of the financial statement/ results, as above, and the information and explanations given to us, we certify that the enclosed Statement (referred to as Annexure - I and Annexure -II), showing the amount of impact on applicability of GST is in agreement with the books of account and other relevant records of the Company as produced to us for the purpose of our examination.

Restriction on use

10. Our work was performed solely to assist you in meeting your responsibilities for the purpose of "passing of impact of GST for changes in law to the beneficiaries" as referred to in Para 2 above. Our obligation in respect of this certificate is entirely separate from, and our responsibility and liability is in no way changed by any other role we may have (or may have had) as auditors of the Company or otherwise. Nothing in this report, nor anything said or done in the course of or in connection with the services that are the subject of this certificate, will extend any duty of care we may have in our capacity as auditors of the Company.
11. This Certificate has been issued at the request of the Management of the Company for the purpose of "passing of impact for changes in law to the beneficiaries" as referred to in Para 2 above. This Certificate should therefore not be used for any other purpose or by any person other than the addressees of this certificate. Accordingly, we do not accept or assume any liability or duty of care for any other purpose or to any other person to whom this certificate is shown or into whose hands it may come save where expressly agreed by our prior consent in writing.

For Arora Vohra & Co.
Chartered Accountants



Place: Ludhiana

Date: 16.03.2019

UDIN: 19097008AAAAAC6361

Note: The authenticity of this certificate can be verified by visiting at <https://udin.ical.org/search-udin> with UDIN mentioned above.

H.O.: Chaltanya Complex; Prem Bhawan, Residency Road; Jammu-180001 (Jammu & Kashmir)

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Notes to Accounts annexed with annexure-I and Annexure-II of our auditors Certificate with respect to impact of Goods and services Tax(GST) due to change in Law for the period 1st July 2017 to 31st March 2018 and from 1st April 2018 to 31st December 2018 in respect of Chamera I Power Station

Notes

1. The additional Impact on supplies are based on the assumption that in Pre-GST regime applicable tax rates and levies on In the state of Himachal Pradesh was 19.5% (12.5% Central Excise + 5 % Entry Tax and 2% CST) .

For Chamera I Power Station



D.G.M. (Finance)

For Arora Vohra & Co.
Chartered Accountants



Summary of Additional Impact on account of GST

Name of Power Station: Chamera Power Station-I

Annexure-I

Sl. No.	Particulars	2017-18
1	Additional GST Impact on Security Services	
	CISF (Including RCM & Other)	1758477
	Other than CISF	332107
2	Additional GST Impact on work awarded in pre-Gst period but executed in post GST Period forming part of O&M Expenses	
	-R&M/Manpower Work	-330805
	-Other Work	0
3	Additional GST Impact on Supply awarded in pre GST period but executed in post GST Period forming part of O&M Expenses	43787
4	Additional impact of GST on work awarded & execution in post GST period vis-à-vis In case work would have been awarded in pre GST Period	
	-R&M/Manpower Work	1814586
	-Other Work	0
5	Additional Impact of GST on Supply order awarded & executed in post GST period vis-à-vis In case order would have been awarded in pre GST Period	-319479
6	Additional GST impact on RO/CO Management expenses, If any	2713954
7	Additional GST Impact on Other Services like Insurance etc.	1816230
	Total	7828857

(Signature)
20/11/17



Co

Name of Power Station: Chamera Power Station-I

Annexure-II

Sl. No.	Particulars	2018-19
1	Additional GST Impact on Security Services	
	CISF (including RCM & Other)	2045119
	Other than CISF	364622
2	Additional GST Impact on work awarded in pre-GST period but executed in post GST Period forming part of O&M Expenses	
	-R&M/Manpower Work	-1041912
	-Other Work	
3	Additional GST impact on Supply awarded in pre GST period but executed in post GST Period forming part of O&M Expenses	68245
4	Additional Impact of GST on work awarded & execution in post GST period vis-à-vis in case work would have been awarded in pre GST Period	
	-R&M/Manpower Work	2112044
	-Other Work	0
5	Additional Impact of GST on Supply order awarded & executed in post GST period vis-à-vis in case order would have been awarded in pre GST Period	-248189
6	Additional GST impact on RO/CO Management expenses, if any	3063044
7	Additional GST Impact on Other Services like Insurance etc.	1884694
	Total	8247667

[Handwritten Signature]
DG (C)



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ARORA VOHRA & CO.

Chartered Accountants



Adjoining Jandu Tower,

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Email: ca_malik@yahoo.co.in

Mobile: +91 9417053336

UDIN: 19097008AAAAAM3471

Independent Auditors' Certificate

NHPC Limited
NHPC Office Complex,
Sector-33
Faridabad-121003
Haryana

Re: Auditors Certificate with respect to impact of Goods and services Tax (GST) due to change in Law for the period 1st January 2019 to 31st March 2019 in respect of Chamera I Power Station.

Introduction

1. This certificate is issued in accordance with the terms of our engagement letter dated 18th June, 2019.
2. We, Arora Vohra & Co., Chartered Accountants (Firm's ICAI Registration No.009487N), the Joint statutory auditors ("the auditor") of NHPC Limited ("the Company"), having its registered office at NHPC Office Complex, Sector-33, Faridabad-121003, Haryana have been requested by the Company to provide the Certificate for "Impact of Goods and services Tax (GST) for the period 1st January 2019 to 31st March 2019 ("the Statement") in respect of Chamera I Power Station for submission to Central Electricity Regulatory Commission to allow the pass through of the impact due to change in domestic duties under change in law through tariff to the beneficiaries.

Management's Responsibility

3. The Statement (referred to as Annexure -C), is solely the responsibility of the Management of the Company. The said statement has been compiled from the books and records of the Company and the Company's Management is responsible for the designing, implementing and maintaining internal control relevant for the preparation of the books of account and the financial statements of the company, the accuracy and completeness of the accounting records, timely preparation of reliable information as required under Companies Act, 2013 and compilation of the said statement therefrom and applying an appropriate basis for preparation of the same.
4. The management is also responsible for complying with the provisions of GST as well as rules, regulations and directives under Electricity Act 2003.

Auditor's Responsibility

5. It is our responsibility to certify the Statement based on our examination of the matters in the Statement with reference to the books of account and other relevant records of the Company for the period 1st January 2019 to 31st March 2019.
6. The financial results for the year ended 31st March, 2019 were audited by us pursuant to the requirements of Regulation 33 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirement) Regulations, 2015 ('the SEBI Regulations'). The audit of the financial results was conducted in accordance with the recognition and measurement principles laid down in the Indian Accounting Standard 34

H.O.: Chaitanya Complex; Prem Bhawan, Residency Road; Jammu-180001 (Jammu & Kashmir)

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ARORA VOHRA & CO.

Chartered Accountants



Adjoining Jandu Tower,

Email: ca_malik@yahoo.co.in

G.T.road, Miller Ganj, Ludhiana

Mobile: +91 9417053336

"Interim Financial Reporting" ("Ind AS 34") prescribed under Section 133 of the Companies Act, 2013 read with relevant rules issued thereunder and other accounting principles generally accepted in India.

7. We have conducted examination of the Statement in accordance with the Guidance Note on Audit Reports and Certificates for Special Purposes, issued by the Institute of Chartered Accountants of India. The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.
8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that perform Audits and Review Historical Financial Information, and Other Assurance and Related Services Engagements.

Conclusion

9. Based on the procedures performed, evidence obtained and our examination of the financial statement/ results, as above, and the information and explanations given to us, we certify that the enclosed Statement (**referred to as Annexure - C**), showing the amount of impact on applicability of GST is in agreement with the books of account and other relevant records of the Company as produced to us for the purpose of our examination.

Restriction on use

10. Our work was performed solely to assist you in meeting your responsibilities for the purpose of "passing of impact of GST for changes in law to the beneficiaries" as referred to in Para 2 above. Our obligation in respect of this certificate are entirely separate from, and our responsibility and liability is in no way changed by any other role we may have (or may have had) as auditors of the Company or otherwise. Nothing in this report, nor anything said or done in the course of or in connection with the services that are the subject of this certificate, will extend any duty of care we may have in our capacity as auditors of the Company.
11. This Certificate has been issued at the request of the Management of the Company for the purpose of "passing of impact for changes in law to the beneficiaries" as referred to in Para 2 above. This Certificate should therefore not be used for any other purpose or by any person other than the addressees of this certificate. Accordingly, we do not accept or assume any liability or duty of care for any other purpose or to any other person to whom this certificate is shown or into whose hands it may come save where expressly agreed by our prior consent in writing.

For Arora Vohra & Co.
Chartered Accountants

(CA. Narinder Pal)
Partner

Membership No.097008



Place:Ludhiana

Date: 16.07.2019

UDIN: 19097008AAAAAM3471

Note: The authenticity of this certificate can be verified by visiting at <https://udin.ica.org/search-udin> with UDIN mentioned above.

H.O.: Chaitanya Complex; Prem Bhawan, Residency Road; Jammu-180001 (Jammu & Kashmir)

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Annexure-C

(Amount in Rs.)

Sl.No.	Particulars	2018-2019(01.01.2019-31.03.2019)	Remarks
1	Additional GST Impact on Security Services		
	CISF (including RCM & Other)	690856	
	Other than CISF	126953	
2	Additional GST Impact on work awarded in pre-GSt period but executed in post GST Period forming part of O&M Expenses		
	-R&M/Manpower Work	0	
	-Other Work	0	
3	Additional GST impact on Supply awarded in pre GST period but executed in post GST Period forming part of O&M Expenses		
4	Additional impact of GST on work awarded & execution in post GST period vis-à-vis in case work would have been awarded in pre GST Period		
	-R&M/Manpower Work	858397	
	-Other Work	-87984	
5	Additional impact of GST on Supply order awarded & executed in post GST period vis-à-vis in case order would have been awarded in pre GST Period	-212443	
6	Additional GST impact on RO/CO Management expenses, if any	1466586	As per advice received from Corporate Office
7	Additional GST Impact on Other Services like Insurance etc.	363777	As per advice received from Corporate Office
	Total	3206142	

Notes

- The additional impact on supplies are based on the assumption that in Pre-GST regime applicable tax rates and levies on in the state of Himachal Pradesh was 19.5% (12.5% Central Excise + 5 % Entry Tax and 2% CST).



(Signature)
B. N. MONTASTY
DGM (C)

ANNEX-VII

H U M S & ASSOCIATES
CHARTERED ACCOUNTANTS

307, Surya Complex
21, Veer Savarkar Block
Shakarpur, Delhi-110092
Tel: +91-9891251431
Mail:Josh1280@gmail.com

TO WHOMSOEVER IT MAY CONCERN

In terms of requirement of Regulation 25 of CERC Notification No.L-1/144/2013/CERC dated 21st February, 2014, read with Notification No.L-1/144/2013/CERC dated 5th November, 2015, 'Effective Tax Rate' for the Financial Year 2014-15 is 21.76% as per Annual Income Tax Return (Original) filed on 09.11.2015.

This Certificate is issued at the request of NHPC Limited and is based upon the audited books of accounts, income tax return filed, records and explanations provided to us.

For HUMS & Associates
Chartered Accountants
FRN- 022230N



[Signature]
Partner
M.No. 505140

Place: New Delhi.
Date: 18.12.2015



(Amount in rupees)

Calculation of Effective Tax Rate for the FY 2014-15 as per Original Return Filed on 09.11.2015

	Description	TOTAL	Total of O&M Projects	Corp Offices and others
	Profit Before Tax (PBT)	28,261,704,421	22,439,574,070	5,822,130,351
Add:	Provision for Project Expenses	511,541,213	43,345,046	468,196,167
	Disallowance of Provisions			0
	Provision for bad and doubtful claims and advances	358,935,014	91,917,068	267,017,946
	Provision for fixed assets provided for Diminution in value of assets and spares	253,509,697	253,225,778	283,919
		3,821,506	3,821,506	0
	Provision for Others	(52,877)	123,328	(176,205)
	Interest to beneficiary states	205,119,790	205,119,790	0
	Disallowance u/s 40a(ia) - Intt on Delay Deposit of TDS	3,619,935	1,891,147	1,728,788
	Sub Total (A)	29,598,198,699	23,039,017,733	6,559,180,966
Less:	Tax Free bond /LTA Income	428,751,009	0	428,751,009
	Tax free Dividend income	615,608,200	0	615,608,200
	Provision for obsolete stores and spares used	133,706	133,706	0
	Provision for obsolete stores and spares reversed	5,940,621	5,940,621	0
	Provision for doubtful advances used/reversed	1,475,658	1,475,658	0
	Provision for other used reversed	708,380,059	0	708,380,059
	Sub Total (B)	1,760,289,253	7,549,985	1,752,739,268
	1. Book Profit for MAT (A-B)	27,837,909,446	23,031,467,748	4,806,441,698
	2. (i) Tax	5,834,965,009	4,827,510,797	1,007,454,212
	(ii) Interest	65,714,469	54,368,331	11,346,138
	3. Total Tax Paid	5,900,679,478	4,881,879,128	1,018,800,350
	4. Effective Tax Rate (3/PBT)	-	21.76%	-



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To

NHPC Limited
Sector 33 Faridabad
Haryana

Certificate in respect of "Effective Tax Rate for the financial year 2015-16 as per CERC Regulations"

1. Based on our examination and in terms of Regulation 25 of CERC Notification No.L-1/144/2013/CERC dated 21st February, 2014, read with Notification No.L-1/144/2013/CERC dated 5th November, 2015, 'Revised Effective Tax Rate' for the Financial Year 2015-16 is 21.948% as per assessment made under section 143(3) of Income Tax Act,1961. The effective tax rate as earlier intimated and as per Audited Financial Statements was 21.90%.
2. This certificate has been prepared at the request of the Company solely with reference to the Circular, as amended from time to time.

For N M N & Associates
Chartered Accounts
FRN 024341N

Nisha

(Nisha)
Partner
M.No.507212



Place: New Delhi
Dated: 11th June 2018



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Description	As Per Assessment	As Per Books Project	As Per Books Others
Net Profit as per Profit & Loss account	31,95,67,25,127	29,42,67,55,720	2,53,00,000
Add:			
Disallowance of Provisions			
Provision for Project Expenses	3,59,68,74,022		3,59,68,74,022
Provision for bad and doubtful claims and advances	23,64,96,537	3,37,13,339	20,27,83,198
Provision for doubtful debts created	52,94,486	26,06,106	26,88,300
Provision for fixed assets provided for	6,29,30,554	4,65,45,516	1,63,85,038
Diminution in value of assets and spares	60,26,800	64,85,447	4,37,362
Provision for Others	10,36,095	5,50,986	4,85,109
Interest to beneficiary states	27,58,01,282	27,58,01,282	0
Total Addition	4,18,53,59,785	36,57,06,756	3,81,96,53,029
Total	36,15,20,84,823	29,53,22,05,328	6,61,98,79,495
Less:			
Deductions			
Tax Free bond /LTA Income	19,04,28,520	0	19,04,28,520
Tax free Dividend income	1,20,92,55,600	0	1,20,92,55,600
Provision for obsolete stores and spares used	2,07,87,893	2,07,87,893	0
Provision for obsolete stores and spares reversed	30,24,922	30,24,922	0
Provision for doubtful claims used/reversed	1,14,44,131	1,14,44,131	0
Provision for doubtful advances used/reversed	47,42,619	26,34,000	21,08,619
Provision for Project Expenses used / reversed	31,28,31,243	0	31,28,31,243
Interest to beneficiary states used/reversed	6,75,58,662	6,75,58,662	0
	1,82,00,73,690	10,54,49,608	1,71,46,23,982
			0
Book Profit for MAT	34,33,20,11,233	29,42,67,55,720	4,90,52,65,513
Tax 21.3416 MAT	7,32,70,00,509	6,28,01,40,499	1,04,68,60,011
Interest u/s 234B	1,72,81,100	1,48,12,028	24,69,072
Interest u/s 234C	7,85,84,778	6,73,66,819	1,12,27,959
Total Before Demand	7,42,28,66,387	8,36,23,09,346	1,06,05,57,041
Demand Payment	33,02,08,380	3,35,60,140	29,66,48,240
Intt. On Demand	5,36,72,398	54,64,898	4,82,17,498
Total Interest	38,38,80,776	3,90,15,038	34,48,65,738
Total	7,80,67,47,163	6,40,13,24,385	1,40,54,22,779
Revised Effective Tax Rate		21.948%	
Already Intimated vide certificate dated 03.08.2016		21.90%	



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HUMS & ASSOCIATES

Chartered Accountants

TO WHOMSOEVER IT MAY CONCERN

In terms of Regulation 25 of CERC Notification No.L-1/144/2013/CERC dated 21st February, 2014, read with Notification No.L-1/144/2013/CERC dated 5th November, 2015, 'Effective Tax Rate' for the Financial Year 2016-17 is 21.328% as per Audited Annual Accounts for the year ending on 31.03.2017.

This Certificate is issued at the request of NHPC Limited (formerly known as 'National Hydroelectric Power Corporation Limited') and is based upon the books of accounts, records and explanations provided.

For HUMS & Associates
Chartered Accountants
FRN – 022230N



(CA H.P. Joshi)
Partner
M.N. 505140

Place: New Delhi
Date: 02.06.2017



NHPC Limited

COMPUTATION OF TAXABLE INCOME FOR THE YEAR ENDED 31.03.2017

	Description	Total	Total of O &M	Corp Offices and others
	NET PROFIT AS PER STATEMENT OF PROFIT AND LOSS	34,746,089,925	29,977,824,138	4,768,265,787
Add:	Bad and doubtful debts provided	195,713,260	179,583,460	16,129,800
	Bad and doubtful claims provided	216,418,111	3,306,130	213,111,981
	Doubtful Interest Provided for	197,891,892	-	197,891,892
	Diminution in value of stores and spares	5,081,810	4,835,376	246,434
	Project expenses provided for	413,435,117	-	413,435,117
	Provision for fixed assets/ stores provided for	27,238,866	14,659,977	12,578,889
	Others	(720)	(720)	-
	C.O./Regional Office/PID Expenses	155,198	147,191	8,007
	Lease Adjustment (1/5 of opening Reserves FY 2014-15&2015-16)	256,224,620	256,224,620	-
	OCI - Adjustment			
	Remeasurements of the defined benefit plans	(557,832,173)	(132,496,553)	(425,335,620)
	Opening - Retention Money & Prov. For Committed Capital Expenditure	57,307,298	-	57,307,298
	Sub Total	35,557,723,204	30,304,083,619	5,253,639,585
Less:	Dividend	2,074,936,800	-	2,074,936,800
	Tax Free interest of Bonds and Loans and Advances	5,389,000	-	5,389,000
	Diminution in value of stores and spares	17,494,638	17,361,333	133,305
	Provision for doubtful claims	1,000,000	1,000,000	-
	Bad & Doubtful Interest accrued	24,613,932	-	24,613,932
	Interest to beneficiary states used/reversed	327,185,415	327,185,415	-
	Sub Total	2,450,619,785	345,546,748	2,105,073,037
	Book Profit for MAT	33,107,103,419	29,958,536,871	3,148,566,548
	MAT @ 21.3416%	7,065,585,583	6,393,631,105	671,954,478
	Effective Rate of Tax (In %)		21.328	





To

NHPC Limited
Sector 33 Faridabad
Haryana

Certificate in respect of "Effective Tax Rate for the financial year 2017-18 as per CERC Regulations"

1. Based on our examination and In terms of Regulation 25 of CERC Notification No.L-1/144/2013/CERC dated 21st February, 2014, read with Notification No.L-1/144/2013/CERC dated 5th November, 2015, 'Effective Tax Rate' for the Financial Year 2017-18 is 21.851% as per Annual Audited Financial Statements for the year ending on 31.03.2018 of NHPC Limited (the Company).
2. This certificate has been prepared at the request of the Company solely with reference to the Circular, as amended from time to time.

For N M N & Associates
Chartered Accounts
FRN 024341N

Nisha



(Nisha)
Partner

M.No.507212

Place: New Delhi
Dated: 11th June 2018



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COMPARATIVE STATEMENT OF PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31.03.2016

Sr. No.	Description	Total	Total of O & M	Corp Offices and others
	PROFIT BEFORE TAX	35,28,22,26,161	27,94,48,05,307	7,33,74,20,854
200	<u>Provisions</u>			
	Bad and doubtful debts provided	1,92,61,000		1,92,61,000
	Bad and doubtful claims provided	1,93,29,919	1,93,29,919	
	Diminution in value of stores and spares	27,69,748	27,69,748	
	Project expenses provided for	26,26,65,864	6,75,01,149	19,51,64,715
	Provision for fixed assets/ stores provided for	31,27,045	31,22,460	4,585
	Provision for interest to Beneficiary	16,45,47,963	16,45,47,963	
	Provision for interest against court/arbitration award	2,78,95,596	2,78,95,596	
	Others	1,53,158	1,53,158	
	C.O./Regional Office/PIO Expenses	36,220	36,138	82
	Opening Lease Adjustment (1/5 of opening Reserves FY 2014-15 & 2015-16)	25,62,24,620	25,62,24,620	
	<u>OCI - Adjustment</u>			
	Remeasurements of the defined benefit plans	21,10,51,291	16,03,15,598	5,07,35,693
	Opening - Retain Money & Prov. For Committed Capital Expenditure	5,73,07,298		5,73,07,298
	Total of Addition	1,02,43,69,722	70,18,96,849	32,24,73,373
	Total	36,30,65,95,883	28,64,67,01,656	7,65,98,94,227
Less:	<u>Exempt and Tax Free Income</u>			
	Dividend	6,32,11,73,400		6,32,11,73,400
Less:	<u>Provisions utilised/Reversed during the period</u>			
	Diminution in value of stores and spares	1,31,45,004	1,31,45,004	
	Bad and doubtful debts	18,61,82,138		18,61,82,138
	Provision for doubtful claims	2,20,43,313	2,20,43,313	
	Total of Deduction	6,54,25,43,855	3,51,88,317	6,50,73,55,538
	Book Profit	29,76,40,52,028	28,61,15,13,339	1,15,25,38,689
	MAT @ 21.3416%	6,35,21,24,928	6,10,61,54,731	24,59,70,197
	Add: Interest u/s 234			
	Total Tax including Interest	6,35,21,24,928	6,10,61,54,731	24,59,70,197
	Effective Rate of Tax		21.851%	



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KUMAR KASERA & COMPANY

CHARTERED ACCOUNTANT

Certificate No. :- 001/Jun/2019-20

TO WHOMSOEVER IT MAY CONCERN

In terms of Regulation 25 of CERC Notification No.L-1/144/2013/CERC dated 21st February, 2014, read with Notification No.L-1/144/2013/CERC dated 5th November, 2015, 'Effective Tax Rate' for the Financial Year 2018-19 is 22.157% as per Audited Annual Accounts for the year ending on 31.03.2019.

This Certificate is issued at the request of NHPC Limited (formerly known as 'National Hydroelectric Power Corporation Limited') and is based upon the books of accounts, records and explanations provided.

For Kumar Kasera & Company
Chartered Accountants
Firm Reg No. 019401C



Nitesh Murarka
Partner

M.No. 531934

UDIN- 19531934AAAAAK5987



Date:- June 17, 2019
Place:- New Delhi



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H.O. :- 235, UGF, Anarkali Complex, Jhandewalan Extension, New Delhi- 110055
E-Mail: Murarkanitesh@yahoo.com, Mobile No. : 7827480102

ANNEX-VIII



एन एच पी सी लिमिटेड
(भारत सरकार का उद्यम)

NHPC Limited
(A Government of India Enterprise)

संदर्भ सं./Ref. No. NH/Comml/Tariff/315/2014/1113

The Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building, 36,
Janpath, New Delhi – 110 001.

फोन/Phone : _____
दिनांक/Date 29.04.2012
क. वि. आयोग
दिनांक 30/4/2014
प्राप्त हुआ
[Signature]

Sub.: Payment of yearly installment of filing fees for tariff petitions of 18 power stations of NHPC Limited for the tariff period 2014-15.

Sir,

We are in process of filing tariff petitions for our 18 projects. The requisite filing fee for the financial year 2014-15 has been paid by us through RTGS/NEFT as detailed below:

Sl. No.	Name of Project	Installed Capacity (MW)	Petition No.	Filing fee @ ₹4400/MW/Annum for FY 2014-15	UTR No.
1	Parbati-III	520	Yet to be filed	22,88,000	SBIN814118286640
2	Uri-II	240	Yet to be filed	10,56,000	SBIN814118286543
3	Nimoo Bazgo	45	Yet to be filed	1,98,000	SBIN714118978586
4	TLDP-III	132	Yet to be filed	5,80,800	SBIN814118294515
5	Chutak	44	Yet to be filed	1,93,600	SBIN814118286623
6	Chamera-III	231	Yet to be filed	10,16,400	SBIN814118294517
7	Sewa-II	120	Yet to be filed	5,28,000	SBIN814118294514
8	Teesta-V	510	Yet to be filed	22,44,000	SBIN814118286637
9	Dulhasti	390	Yet to be filed	17,16,000	SBIN814118286619
10	Dhauliganga	280	Yet to be filed	12,32,000	SBIN814118286565
11	Chamera-II	300	Yet to be filed	13,20,000	SBIN814118294436
12	Rangit	60	Yet to be filed	2,64,000	SBIN814118286782
13	Uri-I	480	Yet to be filed	21,12,000	SBIN814118286627
14	Chamera-I	540	Yet to be filed	23,76,000	SBIN814118286779
15	Tanakpur	94.2	Yet to be filed	4,14,480	SBIN814118286787
16	Salal	690	Yet to be filed	30,36,000	SBIN814118286785
17	Loktak	105	Yet to be filed	4,62,000	SBIN814118294513
18	Bairasiul	180	Yet to be filed	7,92,000	SBIN814118294516
Total filing fee to be paid for FY 2014-15				2,18,29,280	

Contd.2

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्प्लेक्स, सैक्टर-33, फरीदाबाद, हरियाणा-121 003 (भारत)
Regd. Office : NHPC Office Complex, Sector-33, Faridabad, Haryana-121 003 (INDIA)
Website : www.nhpcindia.com; E-mail : webmaster@nhpc.nic.in; Fax : 0129-2277941; EPABX No. : 0129-2278421

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- 2 -

Details of remittance through RTGS/NEFT are provided in enclosed **Form-I** as per CERC (Payment of Fees) Regulations, 2012 for each project.

Kindly acknowledge receipt.

Encl.: Form-I (18 sheets).

Thanking you,

Yours sincerely,

A.K. Pandey
29/14/14

(A. K. Pandey)

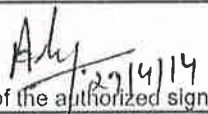
Chief Engineer (Comml.)

Telefax No.0129-2256558

o/c



Form-I

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	NHPC LIMITED
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e. for FY 2014-15) of filing fee for Tariff Petition regarding approval of generation tariff of Chamera - I Power Station for the period 01.04.2014 to 31.03.2019.
4	Petition No., if any	
5	Details of generation assets	
(a)	generating station/units	Chamera - I / 3 units
(b)	Capacity in MW	540 MW (3 x 180 MW)
(c)	Date of commercial operation	01.05.1994
(d)	Period for which fee paid	01.04.2014 to 31.03.2015
(e)	Amount of fee paid	₹ 23,76,000 /-
(f)	Surcharge, if any	Nil
6	Details of transmission assets	
(a)	Transmission line and sub-stations	NOT APPLICABLE
(b)	Date of commercial operation	
(c)	Period for which fee paid	
(d)	Amount of fee paid	
(e)	Surcharge, if any	
7	Fee paid for Adoption of tariff for	
(a)	Generation asset	NOT APPLICABLE
(b)	Transmission asset	
8	Application fee for licence	
(a)	Trading licence	NOT APPLICABLE
(b)	Transmission licence	
(c)	Period for which paid	
(d)	Amount of fee paid	
9	Fees paid for Miscellaneous Application	
10	Fees paid for Interlocutory Application	
11	Fee paid for Regulatory Compliance petition	
12	Fee paid for Review Application	
13	Licence fee for inter-State Trading	
(a)	Category	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee paid	
(d)	Surcharge, if any	
14	Licence fee for inter-State Transmission	
(a)	Expected/Actual transmission charge	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee calculated as a percentage of transmission charge.	
(d)	Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
(a)	Period	NOT APPLICABLE
(b)	Amount of turnover	
(c)	Fee paid	
(d)	Surcharge, if any	
16	Details of fee remitted	
(a)	UTR No.	SBIN814118286779
(b)	Date of remittance	28.04.2014
(c)	Amount remitted	₹ 23,76,000 /-
Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.		
<p style="text-align: center;">  Signature of the authorized signatory with date </p>		





एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)

NHPC Limited
(A Government of India Enterprise)

फोन/Phone : _____

दिनांक/Date : 28.04.2015

संदर्भ सं./Ref. No. NH/Comml/Tariff/315/2015/454

The Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chandernagore Building, 36,
Janpath, New Delhi – 110 001.

Sub.: Payment of yearly installment of filing fees for tariff petitions of 18 power stations of NHPC Limited for the tariff period 2014-19-Regg.

Sir,

We have filled tariff petitions for our 17 projects and filing of tariff petition for Parbati-III project is in process. The requisite filing fee for the financial year 2015-16 has been paid by us through RTGS/NEFT as detailed below:

Sl. No.	Name of Project	Installed Capacity (MW)	Petition No.	Filing fee @ ₹4400/MW/Annum for FY 2015-16	UTR No.
1	Parbati-III	520	Yet to be filed	22,88,000	SBIN215117557088
2	Uri-II	240	250/GT/2014	10,56,000	SBIN215117557124
3	Nimoo Bazgo	45	229/GT/2014	1,98,000	SBIN215117557415
4	TLDP-III	132	248/GT/2014	5,80,800	SBIN215117557164
5	Chutak	44	252/GT/2014	1,93,600	SBIN215117557414
6	Chamera-III	231	249/GT/2014	10,16,400	SBIN215117557121
7	Sewa-II	120	251/GT/2014	5,28,000	SBIN215117557411
8	Teesta-V	510	234/GT/2014	22,44,000	SBIN215117557161
9	Dulhasti	390	231/GT/2014	17,16,000	SBIN215117557435
10	Dhauliganga	280	230/GT/2014	12,32,000	SBIN215117557131
11	Chamera-II	300	233/GT/2014	13,20,000	SBIN215117557420
12	Rangit	60	232/GT/2014	2,64,000	SBIN215117557440
13	Uri-I	480	238/GT/2014	21,12,000	SBIN215117557463
14	Chamera-I	540	237/GT/2014	23,76,000	SBIN215117557111
15	Tanakpur	94.2	226/GT/2014	4,14,480	SBIN215117557035
16	Salal	690	236/GT/2014	30,36,000	SBIN215117557156
17	Loktak	105	228/GT/2014	4,62,000	SBIN215117557416
18	Bairasiul	180	235/GT/2014	7,92,000	SBIN215117557099
Total filing fee to be paid for FY 2015-16				2,18,29,280	

Contd.2

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्प्लेक्स, सैक्टर-33, फरीदाबाद - 121003, हरियाणा
Regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121 003, Haryana
CIN : L40101HR1975GOI032564; Website : www.nhpcindia.com; E-mail :
webmaster@nhpc.nic.in; Fax : 0129-2277941; EPABX No. : 0129-2588110/2588500



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Continuation Sheet No.2.....

Details of remittance through RTGS/NEFT are indicated in enclosed Form-I as per CERC (Payment of Fees) Regulations, 2012.

Encl.: Form-I (18 sheets).

Thanking you,

Yours sincerely,

A.K. Pandey
28/4/15

(A. K. Pandey)
Chief Engineer (Comml.)
Telefax No.0129-2256558

%



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Sl. No.	Particulars		
1	Name of the Petitioner/Applicant	NHPC LIMITED	
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)	
3	Subject Matter	Payment of yearly installment (i.e. for FY 2015-16) of filing fee for Tariff Petition regarding approval of generation tariff of <u>Chamera - I</u> <u>Power Station</u> for the period 01.04.2014 to 31.03.2019.	
4	Petition No., if any	237/GT/2014	
5	Details of generation assets		
	(a) generating station/units	Chamera - I / 3 units	
	(b) Capacity in MW	540 MW (3 x 180 MW)	
	(c) Date of commercial operation	01.05.1994	
	(d) Period for which fee paid	01.04.2015 to 31.03.2016	
	(e) Amount of fee paid	₹ 23,76,000 /-	
	(f) Surcharge, if any	Nil	
6	Details of transmission assets		
	(a) Transmission line and sub-stations	NOT APPLICABLE	
	(b) Date of commercial operation		
	(c) Period for which fee paid		
	(d) Amount of fee paid		
	(e) Surcharge, if any		
7	Fee paid for Adoption of tariff for		
	(a) Generation asset	NOT APPLICABLE	
	(b) Transmission asset		
8	Application fee for licence		
	(a) Trading licence	NOT APPLICABLE	
	(b) Transmission licence		
	(c) Period for which paid		
	(d) Amount of fee paid		
9	Fees paid for Miscellaneous Application		NOT APPLICABLE
10	Fees paid for Interlocutory Application		NOT APPLICABLE
11	Fee paid for Regulatory Compliance petition		NOT APPLICABLE
12	Fee paid for Review Application		NOT APPLICABLE
13	Licence fee for inter-State Trading		
	(a) Category	NOT APPLICABLE	
	(b) Period		
	(c) Amount of fee paid		
	(d) Surcharge, if any		
14	Licence fee for inter-State Transmission		
	(a) Expected/Actual transmission charge	NOT APPLICABLE	
	(b) Period		
	(c) Amount of fee calculated as a percentage of transmission charge.		
	(d) Surcharge, if any		
15	Annual Registration Charge for Power Exchange		
	(a) Period	NOT APPLICABLE	
	(b) Amount of turnover		
	(c) Fee paid		
	(d) Surcharge, if any		
16	Details of fee remitted		
	(a) UTR No.	SBIN215117557111	
	(b) Date of remittance	27.04.2014	
	(c) Amount remitted	₹ 23,76,000 /-	
Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.			
Signature of the authorized signatory with date			





एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)

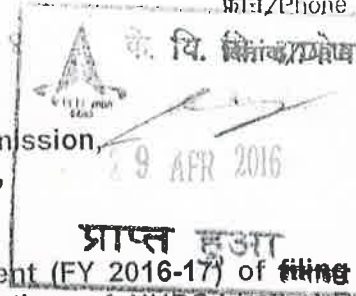
NHPC Limited
(A Government of India Enterprise)

संदर्भ सं./Ref. No. NH/CommI/Tariff/315/2016/104

फोन/Phone :

29.04.2016

The Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building,
36-Janpath, New Delhi – 110 001.



Sub.: Payment of yearly installment (FY 2016-17) of filing fees in respect of tariff petitions of 18 power stations of NHPC Limited-Regg.

Sir,

We have already filled tariff petitions for our 17 power stations and filing of tariff petition for Parbati-III power station for the period 2014-19 is in process. The requisite filing fee for the financial year 2016-17 has been paid by us through RTGS/NEFT as detailed below:

Sl. No.	Name of Project	Installed Capacity (MW)	Petition No.	Filing fee @ ₹4400/MW/Annum for FY 2016-17	UTR No.
1	Parbati-III	520	Yet to be filed	22,88,000	SBIN316119888222
2	Uri-II	240	250/GT/2014	10,56,000	SBIN316119888095
3	Nimoo Bazgo	45	229/GT/2014	1,98,000	SBIN316119888194
4	TLDP-III	132	248/GT/2014	5,80,800	SBIN316119888257
5	Chutak	44	252/GT/2014	1,93,600	SBIN316119888147
6	Chamera-III	231	249/GT/2014	10,16,400	SBIN316119888070
7	Sewa-II	120	251/GT/2014	5,28,000	SBIN316119888262
8	Teesta-V	510	234/GT/2014	22,44,000	SBIN316119888200
9	Dulhasti	390	231/GT/2014	17,16,000	SBIN316119888124
10	Dhauliganga	280	230/GT/2014	12,32,000	SBIN316119888099
11	Chamera-II	300	233/GT/2014	13,20,000	SBIN316119888121
12	Rangit	60	232/GT/2014	2,64,000	SBIN316119888209
13	Uri-I	480	238/GT/2014	21,12,000	SBIN316119888206
14	Chamera-I	540	237/GT/2014	23,76,000	SBIN316119888224
15	Tanakpur	94.2	226/GT/2014	4,14,480	SBIN316119888250
16	Salal	690	236/GT/2014	30,36,000	SBIN316119888210
17	Loktak	105	228/GT/2014	4,62,000	SBIN316119888236
18	Bairasiul	180	235/GT/2014	7,92,000	SBIN316119888215
Total filing fee to be paid for FY 2016-17				2,18,29,280	

Contd.2/.....

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्प्लेक्स, सेक्टर-33, फरीदाबाद – 121003, हरियाणा
Regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121 003, Haryana
CIN : L40101HR1975GOI032564; Website : www.nhpcindia.com; E-mail :
webmaster@nhpc.nic.in; Fax : 0129-2277941; EPABX No. : 0129-2588110/2588500





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Continuation Sheet No. 2

Details of remittance through RTGS/NEFT are indicated in enclosed Form-I separately for 18 Power Stations as per CERC (Payment of Fees) Regulations, 2012.

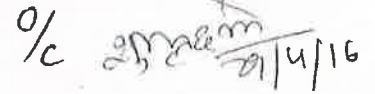
Encl.: Form-I (18 sheets).

Thanking you,

Yours sincerely,

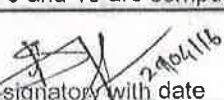


(Parag Saxena)
Chief Engineer (Comml.)
Telefax No.0129-2256035

%  29/4/16



Form-I

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	NHPC LIMITED
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e. for FY 2016-17) of filing fee for Tariff Petition regarding approval of generation tariff of Chamera - I Power Station for the period 01.04.2014 to 31.03.2019.
4	Petition No., if any	237/GT/2014
5	Details of generation assets	
	(a) generating station/units	Chamera - I / 3 units
	(b) Capacity in MW	540 MW (3 x 180 MW)
	(c) Date of commercial operation	01.05.1994
	(d) Period for which fee paid	01.04.2016 to 31.03.2017
	(e) Amount of fee paid	₹ 23,76,000 /-
	(f) Surcharge, if any	Nil
6	Details of transmission assets	
	(a) Transmission line and sub-stations	NOT APPLICABLE
	(b) Date of commercial operation	
	(c) Period for which fee paid	
	(d) Amount of fee paid	
	(e) Surcharge, if any	
7	Fee paid for Adoption of tariff for	
	(a) Generation asset	NOT APPLICABLE
	(b) Transmission asset	
8	Application fee for licence	
	(a) Trading licence	NOT APPLICABLE
	(b) Transmission licence	
	(c) Period for which paid	
	(d) Amount of fee paid	
9	Fees paid for Miscellaneous Application	
10	Fees paid for Interlocutory Application	
11	Fee paid for Regulatory Compliance petition	
12	Fee paid for Review Application	
13	Licence fee for inter-State Trading	
	(a) Category	NOT APPLICABLE
	(b) Period	
	(c) Amount of fee paid	
	(d) Surcharge, if any	
14	Licence fee for inter-State Transmission	
	(a) Expected/Actual transmission charge	NOT APPLICABLE
	(b) Period	
	(c) Amount of fee calculated as a percentage of transmission charge.	
	(d) Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
	(a) Period	NOT APPLICABLE
	(b) Amount of turnover	
	(c) Fee paid	
	(d) Surcharge, if any	
16	Details of fee remitted	
	(a) UTR No.	SBIN316119888224
	(b) Date of remittance	28.04.2016
	(c) Amount remitted	₹ 23,76,000 /-
Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.		
Signature of the authorized signatory with date 		





एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)

NHPC Limited
(A Government of India Enterprise)

संदर्भ सं./Ref. No. NH/CommI/Tariff/315/2017/263

फोन/Phone : _____
दिनांक/Date : 28.04.2017

Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building,
36-Janpath,
New Delhi – 110 001.

Sub.: Payment of yearly installment (FY 2017-18) of filing fees in respect of tariff petitions of 19 power stations of NHPC Limited-Regg.

Sir,

We have submitted tariff petitions for our 19 power stations for the period 2014-19 in CERC. In compliance to Regulation 3 of CERC (Payment of Fees) Regulations, 2012, the requisite filing fee (@ ₹4400/MW) for the financial year 2017-18 works out to ₹ 2,08,02,694/- as per the details enclosed at Annexure-I. We had earlier remitted filing fee in respect of our Parbati-III & TLDP-IV Power Stations based on anticipated COD of different units. However, the actual COD of units have been changed subsequently. Accordingly, the excess / shortfall in filing fee for the previous years in respect of above two power stations have also been adjusted this time. The details of computations of the same are enclosed at Annexure-II and Annexure-III for Parbati-III & TLDP-IV Power Stations respectively.

The total filing fee of ₹ 2,08,02,694/- (Rs. Two Crore Eight Lakhs Two Thousand Six Hundred Ninety Four only) has been remitted in CERC account (A/c no. 209914801140001, Corporation Bank, KG Marg, New Delhi) with UTR No. SBIN317115658067 on 25.04.2017. Details of remittance through RTGS/NEFT are indicated in enclosed Form-I (Annexure-IV) separately for 19 Power Stations as per CERC (Payment of Fees) Regulations, 2012.

Encl.: As above.

Thanking you,

Yours sincerely,

(A K Pandey)

Chief Engineer (CommI.)
Telefax No.0129-2256558

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्प्लेक्स, सैक्टर-33, फरीदाबाद - 121003, हरियाणा

Regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121 003, Haryana

CIN : L40101HR1975GOI032564; Website : www.nhpcindia.com; E-mail :

webmaster@nhpc.nic.in; Fax : 0129-2277941; EPABX No. : 0129-2588110/2588500



Annexure-I

Tariff Filing Fee for FY 2017-18 - NHPC Power Stations

Sl No.	Name of project	Installed Capacity (MW)	Filing Fee @ ₹ 4400/MW/annum
1	Bairasiul	180	7,92,000
2	Loktak	105	4,62,000
3	Salal	690	30,36,000
4	Tanakpur	94.2	4,14,480
5	Chamera-I	540	23,76,000
6	Uri-I	480	21,12,000
7	Rangit	60	2,64,000
8	Chamera-II	300	13,20,000
9	Dhauliganga	280	12,32,000
10	Dulhasti	390	17,16,000
11	Teesta-V	510	22,44,000
12	Sewa -II	120	5,28,000
13	Chamera-III	231	10,16,400
14	Chutak	44	1,93,600
15	TLDP-III	132	5,80,800
16	Nimoo Bazgo	45	1,98,000
17	Uri-II	240	10,56,000
18	Parbati-III *	520	5,45,359
19	TLDP-IV ^	160	7,16,055
Total (Amount in ₹)			2,08,02,694

Note:

* Amount of (-) ₹ 17,42,641/- has been adjusted (Ref: Annexure-II)

^ Amount of (+) ₹ 12,055/- has been adjusted (Ref: Annexure-III)



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Annexure-II**I. Amount based on actual COD of units - Parbati-III Power Station**

SI No.	Financial Year	Amount		
1	FY 2013-14	28,208		
2	FY 2014-15	21,84,570		
3	FY 2015-16	22,88,000		
4	FY 2016-17	22,88,000		
Total		67,88,778	(A)	

II. Amount already paid to CERC - Parbati-III Power Station

SI No.	Financial Year	Amount	UTR No.	Date
1	FY 2013-14	16,67,419	SBINH13087359587	28.03.2013
2	FY 2014-15	22,88,000	SBIN814118286640	28.04.2014
3	FY 2015-16	22,88,000	SBIN215117557088	28.04.2015
4	FY 2016-17	22,88,000	SBIN316119888222	29.04.2016
Total		85,31,419	(B)	

III. Difference (A-B)**-17,42,641**

I. Amount based on actual COD of units - TLDP-IV Power Station

SI No.	Units	Capacity (MW)	COD	Upto	No. of days (2015-16)	No. of days (2016-17)	Filing Fee @ ₹ 4400/MW
1	Unit#1	40	11.03.2016	31.03.2017	21	365	1,86,098
2	Unit#2	40	31.03.2016	31.03.2017	1	365	1,76,481
3	Unit#3	40	17.07.2016	31.03.2017		258	1,24,405
4	Unit#4	40	19.08.2016	31.03.2017		225	1,08,493
Total (Amount in ₹)							5,95,478

II. Amount already remitted in CERC alongwith petition No. 107/GT/2016 (UTR No. SBIN816180083064)

5,83,423

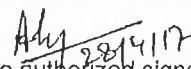
III. Balance amount to be paid to CERC

12,055

Ady



Form-I

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	NHPC LIMITED
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e. for FY 2017-18) of filing fee for Tariff Petition regarding approval of generation tariff of Chamera - I Power Station for the period 01.04.2014 to 31.03.2019.
4	Petition No., if any	237/GT/2014
5	Details of generation assets	
(a)	generating station/units	Chamera - I / 3 units
(b)	Capacity in MW	540 MW (3 x 180 MW)
(c)	Date of commercial operation	01.05.1994
(d)	Period for which fee paid	01.04.2017 to 31.03.2018
(e)	Amount of fee paid	₹ 23,76,000 /-
(f)	Surcharge, if any	Nil
6	Details of transmission assets	
(a)	Transmission line and sub-stations	NOT APPLICABLE
(b)	Date of commercial operation	
(c)	Period for which fee paid	
(d)	Amount of fee paid	
(e)	Surcharge, if any	
7	Fee paid for Adoption of tariff for	
(a)	Generation asset	NOT APPLICABLE
(b)	Transmission asset	
8	Application fee for licence	
(a)	Trading licence	NOT APPLICABLE
(b)	Transmission licence	
(c)	Period for which paid	
(d)	Amount of fee paid	
9	Fees paid for Miscellaneous Application	NOT APPLICABLE
10	Fees paid for Interlocutory Application	NOT APPLICABLE
11	Fee paid for Regulatory Compliance petition	NOT APPLICABLE
12	Fee paid for Review Application	NOT APPLICABLE
13	Licence fee for inter-State Trading	
(a)	Category	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee paid	
(d)	Surcharge, if any	
14	Licence fee for Inter-State Transmission	
(a)	Expected/Actual transmission charge	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee calculated as a percentage of transmission charge.	
(d)	Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
(a)	Period	NOT APPLICABLE
(b)	Amount of turnover	
(c)	Fee paid	
(d)	Surcharge, if any	
16	Details of fee remitted	
(a)	UTR No.	SBIN317115658067
(b)	Date of remittance	25.04.2017
(c)	Amount remitted	₹ 23,76,000 /-
Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.		
<p style="text-align: center;">Signature of the authorized signatory with date</p> <p style="text-align: center;">  28/4/17 </p>		





एन एच पी सी लिमिटेड

(भारत सरकार का उद्यम)

NHPC Limited

(A Government of India Enterprise)

संदर्भ सं./Ref. No. NH/Comml/Tariff/315/2018/785

फोन/Phone : _____

दिनांक/Date : 27.04.2018

Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building,
36-Janpath,
New Delhi – 110 001.

Sub.: Payment of yearly installment (FY 2018-19) of filing fee in respect of tariff petitions of 20 power stations of NHPC Limited-Regg.

Sir,

We have submitted tariff petitions for our 20 power stations for the period 2014-19 in CERC. In compliance to Regulation 3 of CERC (Payment of Fees) Regulations, 2012, the requisite filing fee (@ ₹4400/MW) for the financial year 2018-19 works out to ₹ 2,37,83,680/- as per the details enclosed at Annexure-I. We had remitted filing fee in respect of our Kishanganga HEP for FY 2017-18 (petition no. 43/GT/2018) based on anticipated COD of different units. As the COD of units are yet to be declared, the excess filing fee for the previous year has been adjusted this time (details enclosed at Annexure-II).

The total filing fee of ₹ 2,37,83,680/- (Rs. Two Crore Thirty Seven Lakhs Eighty Three Thousand Six Hundred Eighty only) has been remitted in CERC account (A/c no. 520143000000051, Corporation Bank, KG Marg, New Delhi) with UTR No. SBIN718116392141 on 26.04.2018. Details of remittance through RTGS/NEFT are indicated in enclosed Form-I (Annexure-III) separately for 20 Power Stations as per CERC (Payment of Fees) Regulations, 2012.

Encl.: As above.

Thanking you,

Yours sincerely,

A.K. Pandey
27/4/18
(A K Pandey)

Chief Engineer (Comml.)
Telefax No.0129-2256558

o/c

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्प्लेक्स, सैक्टर-33, फरीदाबाद - 121003 हरियाणा
Regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121 003, Haryana
CIN : L40101HR1975GOI032564; Website : www.nhpcindia.com; E-mail :
webmaster@nhpc.nic.in; Fax : 0129-2277941; EPABX No. : 0129-2588110/2588500



Annexure -I

Tariff Filing Fee for FY 2018-19 - NHPC Power Stations.

Sl. No.	Name of Project	Installed Capacity (MW)	Filing Fee Rs. 4400/MW/Annum
1	Bairasiul	180	792000
2	Loktak	105	462000
3	Salal	690	3036000
4	Tanakpur	94.2	414480
5	Chamera-I	540	2376000
6	Uri-I	480	2112000
7	Rangit	60	264000
8	Chamera-II	300	1320000
9	Dhauliganga	280	1232000
10	Dulhasti	390	1716000
11	Teesta-V	510	2244000
12	Sewa-II	120	528000
13	Chamera-III	231	1016400
14	Chutak	44	193600
15	TLDP-III	132	580800
16	Nimoo Bazgo	45	198000
17	Uri-II	240	1056000
18	Parbati-III	520	2288000
19	TLDP-IV	160	704000
20	Kishanganga*	330	1250400
Total (Amaount Rs.)			23783680

* Amount of Rs.201600/- has been adjusted (Ref Annexure 2)



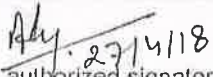
Calculation of Tariff Filing Fee of Kishanganga HEP for 2018-19

Sr. No.	Description	Amount
1	Tariff Filing Fee	1452000
	Petition Fee Paid In 2017-18 alongwith the	
2	Tariff Petition dated 18.01.2018	201600
	Net Fee to be Paid	1250400

23/01/18



Form-I

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	NHPC LIMITED
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e. for FY 2018-19) of filing fee for Tariff Petition regarding approval of generation tariff of <u>Chamera - I</u> <u>Power Station</u> for the period 01.04.2014 to 31.03.2019.
4	Petition No., if any	237/GT/2014
5	Details of generation assets	
(a)	generating station/units	Chamera - I / 3 units
(b)	Capacity in MW	540 MW (3 x 180 MW)
(c)	Date of commercial operation	01.05.1994
(d)	Period for which fee paid	01.04.2018 to 31.03.2019
(e)	Amount of fee paid	₹ 23,76,000 /-
(f)	Surcharge, if any	Nil
6	Details of transmission assets	
(a)	Transmission line and sub-stations	NOT APPLICABLE
(b)	Date of commercial operation	
(c)	Period for which fee paid	
(d)	Amount of fee paid	
(e)	Surcharge, if any	
7	Fee paid for Adoption of tariff for	
(a)	Generation asset	NOT APPLICABLE
(b)	Transmission asset	
8	Application fee for licence	
(a)	Trading licence	NOT APPLICABLE
(b)	Transmission licence	
(c)	Period for which paid	
(d)	Amount of fee paid	
9	Fees paid for Miscellaneous Application	
10	Fees paid for Interlocutory Application	
11	Fee paid for Regulatory Compliance petition	
12	Fee paid for Review Application	
13	Licence fee for inter-State Trading	
(a)	Category	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee paid	
(d)	Surcharge, if any	
14	Licence fee for inter-State Transmission	
(a)	Expected/Actual transmission charge	NOT APPLICABLE
(b)	Period	
(c)	Amount of fee calculated as a percentage of transmission charge.	
(d)	Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
(a)	Period	NOT APPLICABLE
(b)	Amount of turnover	
(c)	Fee paid	
(d)	Surcharge, if any	
16	Details of fee remitted	
(a)	UTR No.	SBIN718116392141
(b)	Date of remittance	26.04.2018
(c)	Amount remitted	₹ 23,76,000 /-
Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.		
<p style="text-align: center;">  Signature of the authorized signatory with date </p>		





एन एच पी सी लिमिटेड
(भारत सरकार का संचालन)

NHPC Limited
(A Government of India Enterprise)

संदर्भ सं./Ref. No. NH/Comml/Tariff/357/2019 / 3/8

फोन/Phone : _____

दिनांक/Date : 29.04.2019

Secretary,
Central Electricity Regulatory Commission,
3rd & 4th Floor, Chanderlok Building,
36-Janpath, New Delhi – 110 001.

Sub.: Payment of yearly installment of petition filing fee for FY 2019-20 in respect of 20 power stations of NHPC Limited - Reg.

Sir,

We are in the process of filing tariff petitions for our 20 power stations for the period 2019-24 in CERC. In compliance to Regulation 3 of CERC (Payment of Fees) Regulations, 2012, the requisite filing fee (@ ₹4400/MW) for the financial year 2019-20 works out to ₹2,37,82,398/- (Rs. Two Crore Thirty Seven Lakhs Eighty Two Thousand Three Hundred Ninety Eight only) as per the details enclosed at Annexure-I. We had remitted filing fee in respect of our Kishanganga HEP for the full year during FY2018-19 in petition no. 43/GT/2018. As the COD of units were declared on 18.05.2018 (unit#1) & 24.05.2018 (unit#2&3) only, the excess filing fee paid for the previous year has been adjusted in the filing fee for the FY 2019-20 (details enclosed at Annexure-II).

The total filing fee of ₹2,37,82,398/- (Rs. Two Crore Thirty Seven Lakhs Eighty Two Thousand Three Hundred Ninety Eight only) has been remitted in CERC account (A/c no. 520143000000051, Corporation Bank, KG Marg, New Delhi) with UTR No. SBIN219116877156 on 26.04.2019. Details of remittance through RTGS/NEFT are indicated in enclosed Form-I (Annexure-III) separately for 20 Power Stations as per CERC (Payment of Fees) Regulations, 2012.

Encl.: As above.

Thanking you,

Yours sincerely,

A.K. Pandey
29/4/19
(A K Pandey)

General Manager Comml.)
Telefax No.0129-2256558

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पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्प्लेक्स, सेक्टर-33, फरिदाबाद - 121003, हरियाणा

Regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121003, Haryana

CIN : L40101HR1975GOI032564; Website : www.nhpcnls.com

E-mail : webmaster@nhpc.nic.in; EPABX No. : 0129-258800/02588500

बिजली से संबंधित शिकायतों के लिए 1912 आग्रह करें। Dial 1912 for Complaints on Electricity

Details of filing fee 2019-20

Amount in ₹

Sl No.	Power Station	Installed capacity (MW)	Filing Fee @ 4400/MW
1	Bairasiul	180	7,92,000
2	Loktak	105	4,62,000
3	Salal	690	30,36,000
4	Tanakpur	94.2	4,14,480
5	Chamera-I	540	23,76,000
6	Uri-I	480	21,12,000
7	Rangit	60	2,64,000
8	Chamera-II	300	13,20,000
9	Dhauliganga	280	12,32,000
10	Dulhasti	390	17,16,000
11	Teesta - V	510	22,44,000
12	Sewa-II	120	5,28,000
13	Chamera-III	231	10,16,400
14	Chutak	44	1,93,600
15	TLDP-III	132	5,80,800
16	Nimoo Bazgo	45	1,98,000
17	Uri-II	240	10,56,000
18	Parbati-III	520	22,88,000
19	TLDP-IV	160	7,04,000
20	Kishanganga*	330	12,49,118
Total			2,37,82,398

* Refer Annexure-II

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Annexure-II

Details of actual filing fee for Kishanganga HEP (330MW) for 2018-19

Sl No.	Particulars	COD	No of days	Capacity	Amount
1	Unit#1	18.05.2018	318	110	4,21,676.71
2	Unit#2	24.05.2018	312	110	4,13,720.55
3	Unit#3	24.05.2018	312	110	4,13,720.55
Total					12,49,117.81

	Say,	12,49,118	(A)
Fee already paid earlier with petition no. 43/GT/2018		14,52,000	(B)
Excess fee paid (to be adjusted)		2,02,882	(C) = (B-A)
Fee for 2019-20 @ 4400/MW for 330MW		14,52,000	(D)
Net Fee to be paid for FY 2019-20		12,49,118	(E) = (D)-(C)

Ag

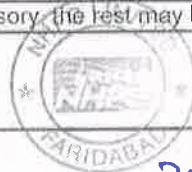


Form-I

Sl. No.	Particulars	
1	Name of the Petitioner/Applicant	NHPC LIMITED
2	Address of the Petitioner/Applicant	NHPC OFFICE COMPLEX, SECTOR-33, FARIDABAD-121003 (HARYANA)
3	Subject Matter	Payment of yearly installment (i.e. for FY 2019-20) of filing fee for Tariff Petition regarding approval of generation tariff of Chamera-I Power Station for the period 01.04.2019 to 31.03.2024.
4	Petition No., if any	
5	Details of generation assets	
	(a) generating station/units	Chamera - I / 3 units
	(b) Capacity in MW	540 MW (3 x 180 MW)
	(c) Date of commercial operation	01.05.1994
	(d) Period for which fee paid	01.04.2019 to 31.03.2020
	(e) Amount of fee paid	₹ 23,76,000 /-
	(f) Surcharge, if any	Nil
6	Details of transmission assets	
	(a) Transmission line and sub-stations	NOT APPLICABLE
	(b) Date of commercial operation	
	(c) Period for which fee paid	
	(d) Amount of fee paid	
	(e) Surcharge, if any	
7	Fee paid for Adoption of tariff for	
	(a) Generation asset	NOT APPLICABLE
	(b) Transmission asset	
8	Application fee for licence	
	(a) Trading licence	NOT APPLICABLE
	(b) Transmission licence	
	(c) Period for which paid	
	(d) Amount of fee paid	
9	Fees paid for Miscellaneous Application	NOT APPLICABLE
10	Fees paid for Interlocutory Application	NOT APPLICABLE
11	Fee paid for Regulatory Compliance petition	NOT APPLICABLE
12	Fee paid for Review Application	NOT APPLICABLE
13	Licence fee for inter-State Trading	
	(a) Category	NOT APPLICABLE
	(b) Period	
	(c) Amount of fee paid	
	(d) Surcharge, if any	
14	Licence fee for inter-State Transmission	
	(a) Expected/Actual transmission charge	NOT APPLICABLE
	(b) Period	
	(c) Amount of fee calculated as a percentage of transmission charge.	
	(d) Surcharge, if any	
15	Annual Registration Charge for Power Exchange	
	(a) Period	NOT APPLICABLE
	(b) Amount of turnover	
	(c) Fee paid	
	(d) Surcharge, if any	
16	Details of fee remitted	
	(a) UTR No.	SBIN219116877156
	(b) Date of remittance	26.04.2019
	(c) Amount remitted	₹ 23,76,000 /-

Note : While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable.

Signature of the authorized signatory with date



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