

एन एच पी सी लिमिटेड
NHPC LIMITED
(भारत सरकार का उद्भम)
(A GOVT. OF INDIA ENTERPRISE)



तीस्ता-V पावर स्टेशन
Teesta-V Power Station, Balutar

REQUEST FOR PROPOSAL (RFP)

Name of work: Request for technical and commercial proposal for “Supply, Erection & Fixing of Pre-fabricated (Super-Structure) temporary structure for Kendriya Vidyalaya (single story) at Teesta-V Power Station, Balutar, Singtam, Distt- Gangtok, Sikkim”.



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 (A Govt. of India Enterprise)
तीस्ता V पावर स्टेशन
Teesta V Power Station
 सिंगतम, पूर्वसिक्किम- 737134
 Singtam, East Sikkim-
 737134...



IS/ISO 9001 IS/ISO 14001 IS 18001
 आई एम एस प्रमाणित पावरस्टेशन
 IMS certified Power Station
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 Email: teestav-contract@nhpc.nic.in
 CIN No. L40101HR1975GOI032564

NH/TSV/Cont/CC-337/NIT-950/2024-25/193

Dated: 13/09/2024

REQUEST FOR PROPOSAL (RFP)

- Online Request for technical and commercial proposal (RFP) from eligible **Sole Bidders** for the work of “Supply, Erection & Fixing of Pre-fabricated (Super-Structure) temporary structure for Kendriya Vidyalaya (single story) at Teesta-V Power Station, Balutar, Singtam, Distt- Gangtok, Sikkim.”

A. Brief details of the tender:		
Sl. No.	Item	Description
i)	Mode of tendering	e-Procurement System Cover-I: Online Techno-Commercial Bid and price bid
ii)	Tender ID No.	2024_NHPC_825977_1
iii)	Tender reference No.	NH/TSV/Cont/CC-337/NIT-950/2024-25/193 Dated: 13/09/2024
iv)	Period of Bid Validity	120 days
v)	Tender inviting Authority	Dy. General Manager (Elect.) Contract Division, Teesta-V Power Station, Balutar, Singtam, Distt : East Sikkim-737134 E-mail: teestav-contract@nhpc.nic.in
B. Critical dates of tender:		
vi)	Publishing Date & Time	13/09/2024 at 18:00 Hrs
vii)	Document Download Start Date & Time	13/09/2024 at 18:00 Hrs
viii)	Pre bid meeting Date & Time	Not required.
ix)	Last date of Receipt of clarification of Bid	20/09/2024 at 14:30 Hrs
x)	Bid Submission Start Date & Time	13/09/2024 at 18:00 Hrs
xi)	Online Bid Submission Closing Date & Time	20/09/2024 at 17:30 Hrs
xii)	Online Bid Opening of Technical Bid and price bid (Cover-I)	Venue: Contract Division, Teesta V Power Station, Balutar Date: 21.09.2024 Time: 16:00 Hours

- 2 Complete Bid Document /Tender Document can be viewed and down loaded from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/eprocure/app>. The site can also be viewed through e-procurement corner of NHPC website www.nhpcindia.com and CPP Portal. Any Bidder who wishes to quote for this Tender can download the Tender Document from aforesaid portal after online Bidder registration for e-tendering.
- 3 **COURT OF COMPETENT JURISDICTION:** Any legal action taken or proceeding initiated on any of the terms of the contract shall be only in the jurisdiction of Hon'ble High Court of Sikkim.

4 Disclaimers

This RFP is neither an agreement and nor an offer by NHPC to the prospective Bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in submitting their proposals pursuant to this RFP. This RFP includes statements, which reflect various assumptions and assessments arrived in relation to the Project. This RFP document and any assumptions, assessments and statements made herein do not purport to contain all the information that each Bidder may require. The Bidder shall bear all its costs associated with or relating to the preparation and submission of proposal pursuant to this RFP. Where necessary, NHPC reserves the right to amend or supplement the information, assessment or assumptions contained in this RFP. NHPC also reserves the right to withdraw the RFP or foreclose the procurement case at any stage. The issuance of this RFP does not imply that NHPC is bound to shortlist a Bidder for the Project. NHPC also reserves the right to disqualify any Bidder should it be so necessary at any stage on grounds of National Security.

Requisite details in this regard are attached herewith as under for proposal:

- (i) Detail of Site Location.
- (ii) Scope of work.
- (iii) Drawings- Key Plan & Elevation.
- (iv) Brief of the structure.
- (v) Components of the structure.
- (vi) Technical & Commercial Offer

(i) **DETAIL OF SITE LOCATION:**

NHPC Ltd (A Govt. of India Navratna Enterprise), Teesta-V PS desires to construct a Prefab structure for Kendriya Vidyalaya at Teetsa-V Power Station, Balutar.

Teesta-V PS (510MW) is located in Gangtok District of Sikkim. The project envisages harnessing of Teesta water, between Dikchu and Sirwani. The site location (proposed prefab KV school) is in Left Bank side, Balutar. Proper approach road is available with adequate of space available for unloading of materials for the structure.

Nearest Railway Station: - Siliguri, approximately 110 Kms from Teesta-V PS, Balutar.

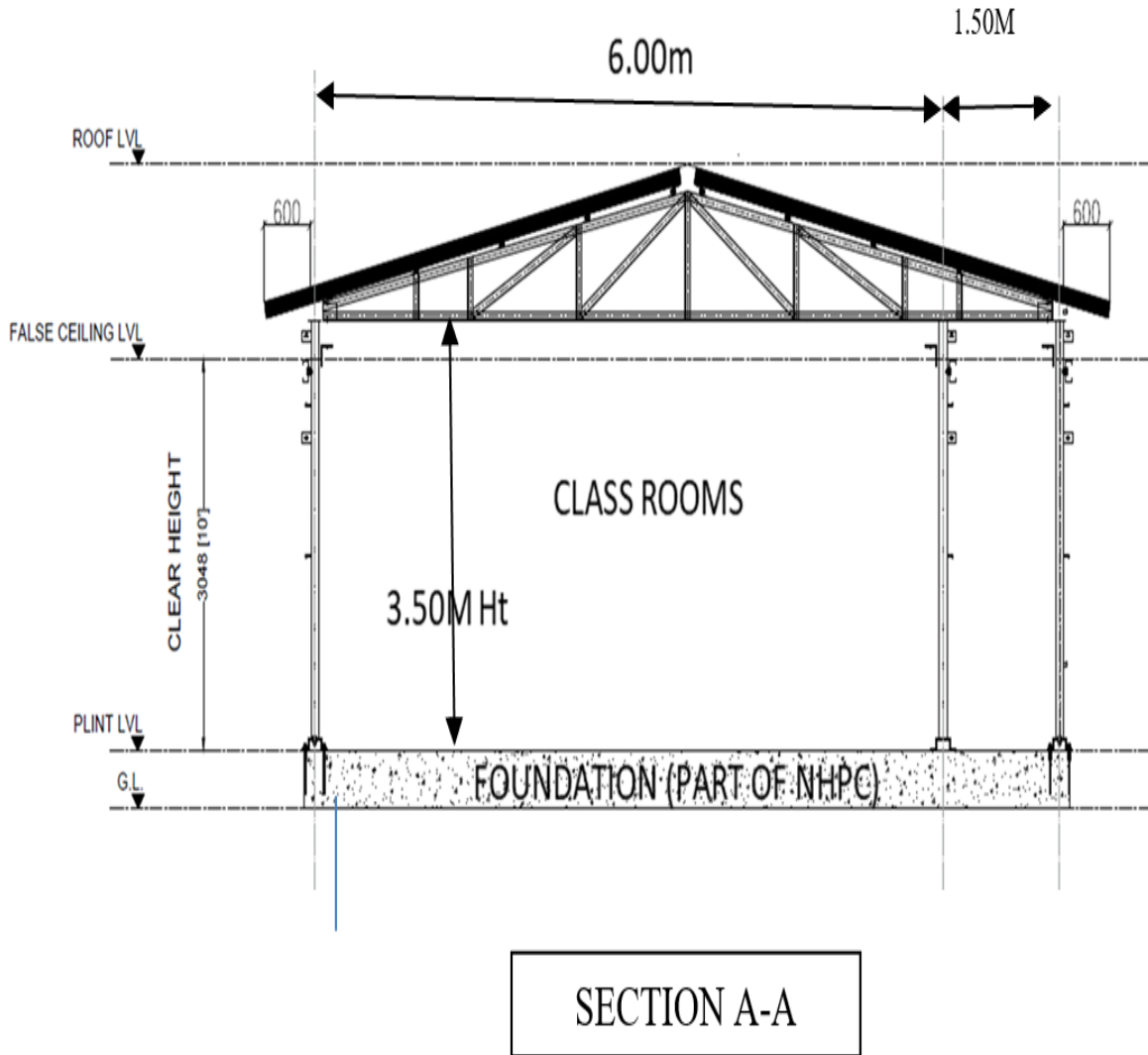
Nearest Airport: - Bagdogra, approximately 110 Kms from Teesta-V PS, Balutar.

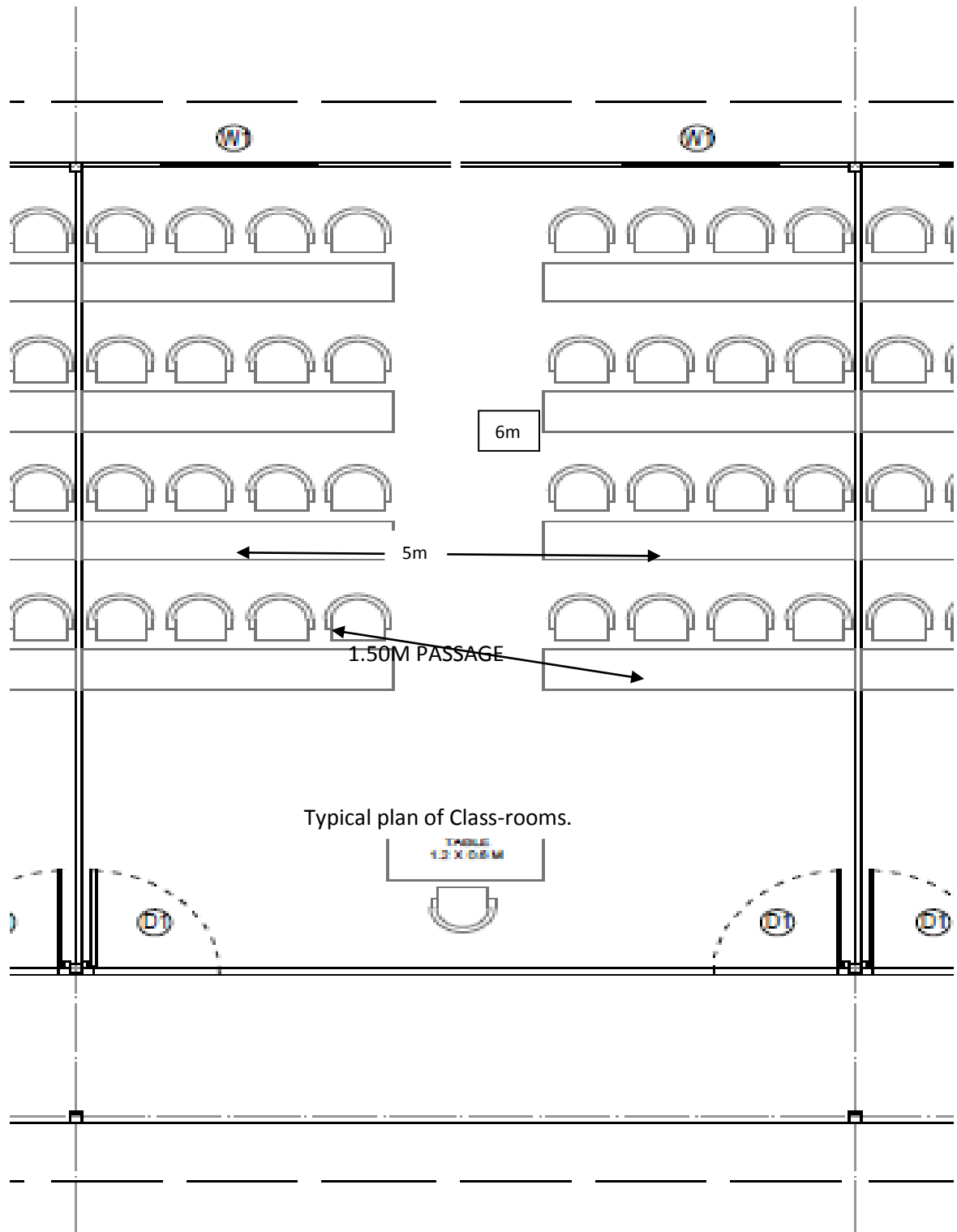
Nearest Bus Stop: - Singtam, approximately 06 Kms from Teesta-V PS, Balutar.

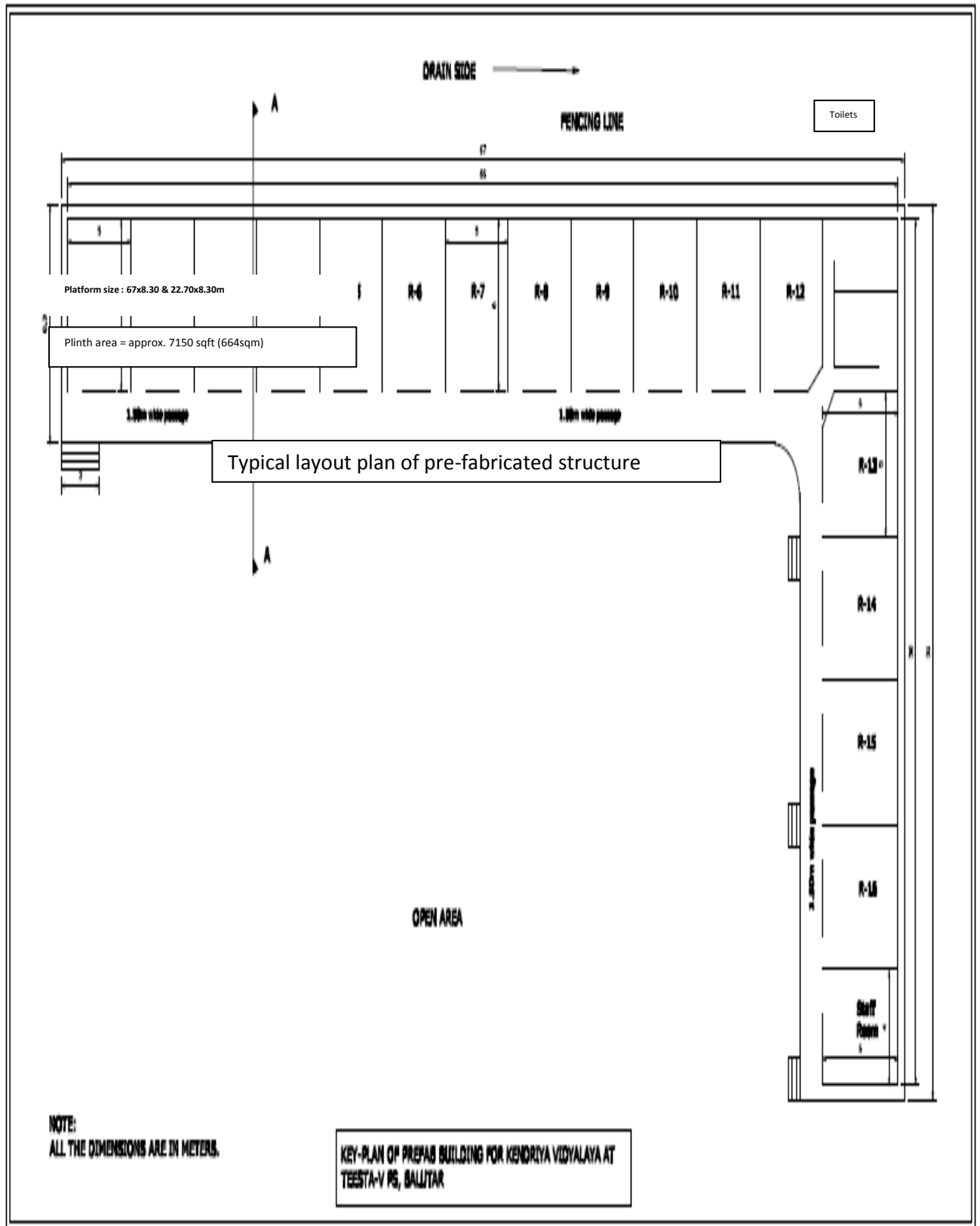
(ii) SCOPE OF WORK :

Supply, Erection & Fixing of prefabricated super-structure as per approved drawing up to ceiling height up to 3.50m including all labour and related materials and including super-structure work, internal water supply lines, Internal Electrification works, sewage pit, tile works, door & windows with fittings etc up to commissioning of the structure.

(iii) KEY-PLAN AND ELEVATION :







(iv) **BRIEF OF THE STRUCTURE:**

Purpose of building	Class rooms, toilets & staff room required for Class-1 to Class-XII students (approx. 30-40 students in each class)
Plinth Height	50-60cm
Ceiling Height	3.00-3.50m
Class room sizes	Minimum 4x5m
Passage	Min 1.50m
Toilets	Separate Toilets for Boys & Girls
Type of temporary structure required	Temporary Prefabricated shed with proper insulation, internal water supply, sanitary fittings & electrification etc. Adequate Doors, windows, ventilators, passage for school.
Required Plinth area	Apprx 7150 sq.ft
Technical & Commercial Offer for Supply, Erection & Fixing of prefabricated super-structure as per approved drawing.	Rate per sqm/ sqft _____ including GST, Carriage, others if any.

(v) **TECHNICAL SPECIFICATION OF THE COMPONENTS OF THE PRE-FAB STRUCTURE.**

1. Structural Steel:

Structure shall be fabricated of square/ tubular pipes section for columns, purlins and trusses, cold form folded sections for purlins and runners. The steel structure shall be designed as per IS- 800:2007 and as per wind load conditions applicable for the area mentioned in IS 875:1987. All steel member surfaces will be prepared through wire brush with one coat primer and two coat enamels paint.

2. Wall & Partition:

The wall panels shall be made up of 50mm thick composite Solid wall panels/ PUF sandwich wall panels. Proper insulation shall be provided with proper joint bonding filled with silicon or similar products or branded cemented putty to leakage free.

3. Roofing system:

Minimum thickness of 0.50mm profile sheet or PUF Roofing Sandwich panels with proper arrangement for storm water through PVC rain water pipe.

4. Flooring:

Providing and fixing 18 mm thick anti-skid vetrified premium quality Tiles (2'x2') as per standard size approved make.

5. Doors:

Providing and fixing 30-35mm thick water proof flush door with M.S Angle, Chaukath with proper fittings or PUF Insulated door and it shall be provided with complete accessories.

6. Windows & Ventilators:

Providing and fixing Pure Polyester Powder coated extruded Aluminum Sliding window and aluminum grill at suitable locations and in sizes as mentioned in drawings with 4mm thick glass. SS wire mesh will be provided with all necessary fittings.

7. Internal Plumbing and sanitary:

All Internal Plumbing line to all fittings and Fixtures shall be within the walls with Chlorinated Polyvinyl Chloride (CPVC) pipes. WC/ Commode with all proper fittings, wash basin, complete tap fittings with UPVC pipes, proper drainage by PVC pipes upto outside manhole as mentioned in the drawings.

8. Painting:

Asian, Berger or equivalent quality weather shield paint for walls. Synthetic enamel paint in M.S structure after applying prime coat.

9. Internal Electrical:

Electrical fixtures like LED tube light, bulk head light, ceiling fans, exhaust fans, modular switch, and socket of 6 Amp, 16 Amp, 25 Amp with GI box and modular plates as per approved drawing and BOQ of make.

NOTE:

- *Levelling of ground, civil Work like foundation, plinth etc shall be in NHPC's scope.*
- *External Electrical and Plumbing work shall be NHPC's scope.*
- *Furniture is not in the scope of work.*
- *Kindly mention any modifications/ modular of the above if require any.*

(For & on behalf of NHPC Ltd.)

Dy. General Manager (Elect.)
Contract Division
Teesta-V Power Station
Email: teestav-contract@nhpc.nic.in

BRIEF DESCRIPTION OF THE PROJECT

1. 1.1 ABOUT SIKKIM AND TEESTA RIVER.

Sikkim is a small and beautiful state located in the northeast Himalayas. It is one the youngest state of Indian union. It is surrounded by vast stretches of Tibetan plateau in the north, Chubi valley of Tibet and Kingdom of Bhutan in the east, Darjeeling Gorkha Hill council in the south and kingdom of Nepal in the west.

Due to prevalent cold and moderate climatic conditions with very low ambient dual level, the state presents ideal opportunity for development of high-tech industries like microelectronics and ancillary products which impose less burden on transportation facilities and earn rich dividends. However, for such developmental efforts, abundance of cheap and clean power is vital.

Sikkim is drained by a large number of perennial rivers, the prominent ones being Teesta and Ragit. The Teesta river originates from Zemu glacier and Rangit river from Talung glacier in west Sikkim which, after flowing for about 60kms, joins the Teesta river near the state border with West Bengal.

The elevation of Sikkim ranges from 300 m to 8583 m above mean sea level. It consists of lower, middle & higher hills.

1.2 LOCATION OF THE PROJECT

Nearest Railway Station :- Siliguri, approximately 110 Kms from Teesta-V PS, Balutar.

Nearest Airport :- Bagdogra, approximately 110 Kms from Teesta-V PS, Balutar.

Nearest Bus Stop :- Singtam, approximately 06 Kms from Teesta-V PS, Balutar.

1.3 BRIEF DESCRIPTION OF THE PROJECT

Teesta HE project, stage-V is located in South-East Sikkim. The project envisages harnessing of Teesta water, between Dikchu (27° 24' 00" E: 88° 31'30"N) and Sirwani (27°14'54"E: 88 29' 56"N). The scheme comprise; 95m high Concrete Gravity Dam (located 2 Kms downstream of its confluence with Dikchu nala) 17.106 Km long HRT housed on the left bank, a 95m high, 30m dia Surge Shaft and an underground power house near Sirwani, to generate 510MW of Power, utilizing a gross head of 200m.