

Six Monthly Monitoring Report on
Compliance of conditions Stipulated in Environment Clearance of Parbati Power Station, Stage-III,
(For the period April - 2022 to Sep - 2022)

1.	Name of the Project	Parbati Power Station, Stage III (520 MW)
2.	Type of Project	Hydroelectric Project
3.	Clearance letter(s) O.M. No. & Date a) Environmental Clearance b) Forest Clearance	No. J-12011/7/2004-IA-I, dated 16.04.2005 No. F.No.8-31/94FC (Pt) dated 13.06.2005
4.	Locations a) District(s) b) State(s) c) Latitude d) Longitude	Kullu Himachal Pradesh 31° 20' 25" to 32 ° 25' 0" N 76° 56' 30" to 77° 52' 22" E
5.	Address for Correspondence a)Address of concerned Project Head(with pin code & telephone/ fax nos.) b)Address of concerned HOD in Corporate Office(with pin code& Telephone/fax nos.)	Group General Manager(I/C), Parbati-III Power Station, NHPC Ltd., Village-Behali, PO - Larji Distt-Kullu (HP)-175122. Tel: 01903- 235101, Fax: 01903-235102 Executive Director, Environment & Diversity Management Division, NHPC Office Complex, Sector-33, Faridabad (Haryana)-121003 Tel: 0129-2278014
6.	Details of Environmental Management Plans	As per Annex-I
7.	Break- up of the Project area (land details) a)Submergence area (forest & non-Forest) b) Others	Total Land requirement: 137.2223 ha a)i) Forest Land - 12.9389 ha ii) Non- Forest land - 2.6684 ha b)i) Forest Land - 78.3034 ha ii) Non- Forest land - 43.3116 ha
8.	Breakup of the Project affected population with enumeration of those losing houses/ dwelling units only, agricultural land only, both dwelling unit and agricultural land and landless labourers / artisans. a) SC/ST/Adivasi's b) Others	Total no of PAFs: 406 a) SC/ST- 71 b) Others – 335

9.	<p>Financial details</p> <p>(a) Project cost as originally planned and subsequent revised estimates and the years of price reference.</p> <p>(b) Actual expenditure incurred on the project so far</p> <p>(c) Allocations made for Environmental Management Plans</p> <p>(d) Actual expenditure incurred on environmental Management Plan so far</p>	<p>(a) Rs. 2304.55 Crores (including IDC of Rs. 190.51 Cr.) at May 2005 Price level.</p> <p>(b) Rs 2,578.47 Crores (Approved RCE)</p> <p>(c) Rs 68.09 Crores (Breakup attached as Annex-I) and Rs 5.52 Cr for NPV.</p> <p>(d) Rs 95.54 Crores excluding Rs 5.52 Cr towards NPV of Forestland</p>
10.	<p>Forest Land requirements</p> <p>a) Status of approval for diversion of forest land for non-forestry use</p> <p>b) The status of clear felling in forest land</p>	<p>(a) Diversion of 91.2423 ha Forest land has been approved by MOEF vide letter No.F.No.8-31/94C (Pt) dated 13.06.2005.</p> <p>(b) H.P State Forest Deptt. completed the process of felling of trees from diverted forest land.</p>
11.	<p>Status of construction</p> <p>a) Date of commencement (Actual and /or planned)</p> <p>b) Date of completion (Actual and /or planned)</p>	<p>(a) November 2005 (Actual)</p> <p>(b) 31st March 2014 (Actual)</p>
12.	<p>Reasons for the delay. If the project is yet to be started.</p>	<p>Not applicable. Project has already been commissioned in 2014.</p>
13.	<p>Details of site visits</p> <p>a) By Monitoring Committee</p> <p>b) By Regional Office</p>	<p>(a) The 10th meeting of Environment Monitoring Committee(EMC) was held on 24th June 2021.</p> <p>(b) The representative of RO,MOEF&CC, Dehradun Dr. K. Mondal, Dy. Director participated in the EMC meeting held on 24th June 2021 at Nagwain.</p>
14.	<p>Brief note on the status of compliance of conditions stipulated by MOEF</p>	<p>Enclosed as Annex-II</p>

Annex – I

Details of budget allocation and expenditure incurred on Environmental Management Plan of Parbati-III hydropower Station (till Sept,2022)			
S. No	Environment Management Plans	Budget Allocation (Rs in lakhs) as per Govt. of HP letter dt. 26.12.2005	Expenditure incurred (Rs in Lakhs)
1	CAT Plan	2529.51	2529.51
2	Compensatory Afforestation	83.11	172.43
3	Fisheries Development	130.00	130.00
4	Green Belt Development	130.00	20.50
5	Landscaping & Restoration	175.00	61.91
6	Muck Disposal Plan	513.15	580.93
7	Free Fuel Provision #	50.00	50.00
8	Reservoir Rim Treatment	115.00	62.91
9	Solid Waste Management	75.00	94.67
10	Disaster Management Plan	300.00	200.56
11	Health Management plan	590.00	511.41
12	Village Road & Community Development Schemes (including LADF)	1800.00	4577.00
13	Resettlement & Rehabilitation (R&R) Plan	238.00	467.63
14	Environment Monitoring	80.00	94.36
	Total(Rs in Lakh)	6808.77	9553.82
<i># - Under the scope of Contractors as per Contract Agreement.</i>			

Specific Conditions as per EC (Sl. No 3. Part A)	Status of the compliance												
(i) Catchment Area Treatment Plan as has been proposed should be completed in five years.	<p>As per requisition of fund from Forest Department, total fund of Rs 2529.51 lakhs has been released by project in a phased manner against approved CAT Plan as detailed below:</p> <table border="1" data-bbox="792 436 1390 905"> <thead> <tr> <th data-bbox="792 436 1133 541">Year</th> <th data-bbox="1133 436 1390 541">Fund released (Rs in Lakhs)</th> </tr> </thead> <tbody> <tr> <td data-bbox="792 541 1133 625">2006 (1st & 2nd installment)</td> <td data-bbox="1133 541 1390 625">651.427</td> </tr> <tr> <td data-bbox="792 625 1133 667">2009 (3rd installment)</td> <td data-bbox="1133 625 1390 667">1837.5497</td> </tr> <tr> <td data-bbox="792 667 1133 783">2006 to 2009 for vehicle & equipment to Forest Deptt</td> <td data-bbox="1133 667 1390 783">22.6741</td> </tr> <tr> <td data-bbox="792 783 1133 867">2011: Balance fund for Vehicle & Equipment</td> <td data-bbox="1133 783 1390 867">17.8542</td> </tr> <tr> <td data-bbox="792 867 1133 905">Total</td> <td data-bbox="1133 867 1390 905">2529.505</td> </tr> </tbody> </table> <p>The implementation of CAT works started during the FY 2010-11 in Seraj Forest Division and Great Himalayan National Park in Sainj Valley. The total utilization details of fund amounting to Rs 1664.28 lakhs till March 2022 has been provided by State Forest Deptt. About 1116 ha of Catchment area has been treated and balance CAT works are in progress.</p>	Year	Fund released (Rs in Lakhs)	2006 (1 st & 2 nd installment)	651.427	2009 (3 rd installment)	1837.5497	2006 to 2009 for vehicle & equipment to Forest Deptt	22.6741	2011: Balance fund for Vehicle & Equipment	17.8542	Total	2529.505
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(ii) The implementation of fishery development plan should be carried out in consultation with the State Fisheries Department and submitted to MOEF within three months from date of issue of this letter.	<p>The Fisheries Development Plan duly prepared by HP State Fisheries Deptt. was submitted to MOEF vide NHPC's letter dated 15.06.2005. The Plan has been implemented by HP State Fisheries Deptt. for which total amount of Rs 130.00 Lakhs was deposited by the Project during January-March 2006.</p> <p>As per the progress report received from Fisheries Deptt. in December 2012, the entire amount of Rs 130.00 Lakhs has been fully utilized for part funding of Trout Fish seed farm located at Hamni in Distt. Kullu. The fish farm is operational. Further, in order to propagate fisheries in Sainj River, State Fisheries Deptt. has released about 12000 seeds of brown trout in the upstream of the reservoir of Parbati-III HEP on 10.4.2019 and 15600 seeds on 08.04.2021. The plan stands completed.</p>												

(iii) Detailed R & R Plan should be prepared and submitted to MOEF within three months from the date of issue of this letter.	Detailed R&R Plan was submitted to MOEF vide NHPC's letter dated 12.05.2005. Further, the R&R Scheme for Parbati-III Project was notified by Govt. of Himachal Pradesh in 2006.
(iv) A Management plan for medicinal plant in the catchment area and specifically for those affected by the submergence should be prepared and submitted to MOEF within three months from date of issue of this letter.	Management Plan was prepared through GB Pant National Institute of Himalayan Environment, Kullu (Previously known as G.B. Pant Institute of Himalayan Environment and Development) and submitted to MOEF on 24.8.2005. The plan stands completed.
(v) During the lean season 1.15 cumecs water should be released downstream of the dam.	Provision has been made in the dam body to ensure release of required environmental flow during the lean season. An e-flow measuring device has also been installed for online monitoring of e-flow as per direction of HP State Pollution control Board.
3). Part B: <u>General Conditions</u>	
(i) Adequate free fuel arrangement should be made for the labour force engaged in the construction work at project cost so that indiscriminate felling of trees is prevented.	(i) & (ii) : The construction work of Project has been completed and the Project stands commissioned on 31 st March 2014. As such, this condition is no longer relevant.
(ii) Fuel depot may be opened at the site to provide the fuel (kerosene/wood/LPG). Medical facilities as well as recreational facilities should also be provided to the labourers.	

<p>(iii)All the labourers to be engaged for construction works should be thoroughly examined by health personnel and adequately treated before issuing them work permit.</p>	<p>The construction work of project has been completed and the Project stands commissioned on 31st March 2014. As such, this condition is no longer relevant.</p> <p>However, after commissioning of project, the medical facilities available in project are also being extended to local villagers and labourers engaged in running & maintenance works.</p> <p>Details of patients treated in the project dispensaries during the last six months (April 2022 to September 2022) are as under:</p> <table border="1" data-bbox="740 562 1393 1014"> <thead> <tr> <th rowspan="2">Sl. No.</th> <th rowspan="2">Month-Year</th> <th colspan="3">Nos. of patients Treated</th> </tr> <tr> <th>NHPC Staff</th> <th>Local Peoples</th> <th>Contract labours</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>April 22</td> <td>88</td> <td>27</td> <td>74</td> </tr> <tr> <td>2.</td> <td>May 22</td> <td>89</td> <td>42</td> <td>75</td> </tr> <tr> <td>3.</td> <td>June 22</td> <td>98</td> <td>55</td> <td>60</td> </tr> <tr> <td>4.</td> <td>July 22</td> <td>111</td> <td>32</td> <td>64</td> </tr> <tr> <td>5.</td> <td>August 22</td> <td>110</td> <td>20</td> <td>30</td> </tr> <tr> <td>6.</td> <td>Sep 22</td> <td>81</td> <td>16</td> <td>34</td> </tr> <tr> <td></td> <td>Total</td> <td>577</td> <td>192</td> <td>337</td> </tr> <tr> <td colspan="2">Grand Total</td> <td colspan="3">1106</td> </tr> </tbody> </table>	Sl. No.	Month-Year	Nos. of patients Treated			NHPC Staff	Local Peoples	Contract labours	1.	April 22	88	27	74	2.	May 22	89	42	75	3.	June 22	98	55	60	4.	July 22	111	32	64	5.	August 22	110	20	30	6.	Sep 22	81	16	34		Total	577	192	337	Grand Total		1106		
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<p>(iv)Restoration of construction area including dumping site of excavated materials should be ensured by leveling, filling up of burrow pits, landscaping etc. The area should be properly treated with suitable plantation.</p>	<p>There are total 08 numbers of dumping sites where excavated materials have been dumped with suitable protection measures. The status of restoration of these sites are given at Annexure-III.</p>																																																
<p>(v)Financial provision should be made in the total budget of the project for implementation of the above suggested safeguard measures.</p>	<p>Budget Provision for implementation of EMP has been made in total Project cost as per the provision of Govt. of HP letter dated 26.12.2005.</p>																																																
<p>(vi)A Monitoring Committee for R & R should be constituted which must include representatives of project-affected persons from a woman beneficiary.</p>	<p>The State Govt. vide its notification dated 17.10.2003 had constituted a <i>District level Parbati Project Oustees Rehabilitation and Advisory committee</i>, which was further extended for two years in June 2006 to monitor the progress of implementation of R&R works.</p>																																																

<p>(vii) A Multidisciplinary committee should be constituted with representatives from various disciplines of forestry, ecology, wildlife, soil conservation, NGO etc. to oversee the effective implementation of the suggested safeguard measures.</p>	<p>A multidisciplinary monitoring committee was constituted in March 2006 to oversee the effective implementation of the environmental safeguard measures.</p> <p>The 10th meeting of the members of monitoring committee was held on 24th June, 2021, wherein the implementation status of environment safeguard measures was monitored.</p>
<p>(viii) Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, Chandigarh for review.</p>	<p>Six monthly report was submitted to the Ministry and its Regional Office (Dehradun) till May, 2021. Since November, 2021, Six monthly Report is being submitted to Integrated Regional Office, MOEF&CC, Shimla alongwith MOEF&CC, New Delhi.</p> <p>The last six monthly monitoring report was submitted through email dated 30.5.2022 enclosing therewith letter No NH/Env&DM/Env78/62 dated 30.05.2022 to <i>iro.shimla-mefcc@gov.in</i> and <i>yogendra78@gov.in</i>. (MOEF&CC, New Delhi).</p>
<p>4. Officials from Regional Office MOEF, Chandigarh who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection.</p>	<p>Power station is extending full co-operation to the officials from RO, MOEF & CC during their inspection of sites.</p>
<p>5. The responsibility of implementation of environmental safeguards rests fully with the NHPC & Government of Himachal Pradesh.</p>	<p>Power station is responsibly complying with environmental safeguards measures as per conditions stipulated in the EC letter.</p>
<p>6. In case of change in the scope of the project, project would require a fresh appraisal.</p>	<p>Not applicable, as there is no change in scope of Project and it has already been commissioned in 2014.</p>
<p>7. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the clearance under the provisions of the Environment (protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-hound and satisfactory manner.</p>	<p>NHPC will comply with the implementation of additional environmental safeguard measures as and when suggested by MOEF&CC.</p>
<p>8. This clearance letter is valid for a period of five years from the date of</p>	<p>Project has already been commissioned in 2014.</p>

issue of this letter for commencement of construction work.	
9. A copy of the clearance letter shall be marked to concerned Panchayat, if any, from whom any suggestion representation has been received while processing the proposal.	Complied with.
10. State Pollution Control Board / Committee should display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's office! Tehsildar's office for 30 days.	Complied with.
11. The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at http:// www.envfor.nic.in	Complied with.

Annexure-III

Status of Restoration of Dumping Sites of Parbati Hydropower Station, Stage-III

Name of Dumping sites	Status of Restoration	Agency involved for Restoration	Status of handing over of sites on forestland to State Forest Deptt.
DS-1	Restored	Dr Y.S Parmar University of Horticulture & Forestry, Solar(H.P)	Site is on Private land.
DS-2	Restoration under progress	State Forest Deptt (Seraj Forest Division), Govt. of H.P	Handing over will be done after completion of Restoration work.
DS-3	Dumped muck is being lifted by State Mining Deptt.	NA	Presently Site is with State Mining Deptt.,Govt. of H.P for lifting of muck.
DS-4	Restored	State Forest Deptt (Seraj Forest Division)	Sites handed over back to State Forest Deptt. on dated 26.6.2018 as per condition-xiv of Forest Clearance dated 13.06.2005.
DS-5	Restored	Dr Y.S Parmar University of Horticulture & Forestry, Solar(H.P)	
DS-6(i), 6(ii)	Restored		
DS-7	Restored	Dr Y.S Parmar University of Horticulture & Forestry, Solar(H.P) & State Forest Deptt (Seraj Forest Division)	