

**Six Monthly Progress Report on Environmental Aspects of  
Nimoo Bazgo Power Station (45 MW)**

**For the period ending September, 2024**

1.	Name of the Project	Nimoo Bazgo Power Station (45 MW)
2.	Type of the Project	Hydroelectric Project
3.	Clearance Letter(s) OM No. & Date a) Environment clearance b) Forest clearance	a) J-12011/3/2005-IA-I dated 30.05.2005. b) No Forest Land required. No objection certificate was issued by J&K Forest Dept. vide letter dated 24.6.2004.
4.	Locations a) District(s) b) State (s) c) Latitude d) Longitude	Leh UT of Ladakh 34°12'55" N 77°11'07" E
5.	Address for Correspondence a) Address of concerned Project Head (with pin code and telephone / fax nos.)  b) Address of concerned HOD in Corporate Office (with PIN code & telephone/ fax no.)	a) General Manager, NHPC Ltd., Nimoo Bazgo Power Station, Silk Route Inn, Lower Skara, LEHO Near BSNL Complex, UT of Ladakh, 194101 Phone : 01982-227241, Fax : 01982-227240 E-mail : hop-nimoobazgo@nhpc.nic.in  b) Executive Director (Environment & Diversity Management Division), Corporate Office, NHPC Office Complex, Sector-33, Faridabad-121003 Tel: 0129-2254038 Email: <a href="mailto:envdivmgn-co@nhpc.nic.in">envdivmgn-co@nhpc.nic.in</a>
6.	Details of environmental management plans	Following Environmental Management Plans are being executed at the project: 1. Biodiversity Conservation 2. CAT Plan 3. Fisheries Development 4. Health Care 5. Energy Alternatives 6. Muck Disposal 7. Restoration of borrow areas, quarry & construction sites 8. Reservoir Rim stability, treatment and green belt creation. 9. Solid Waste Management 10. Disaster Management Plan 11. Environmental Monitoring Programme 12. Resettlement and Rehabilitation

7.	Break –up of the Project area (Land details) a) Submergence area (forest & non-forest)  b) Others	a) Submergence Area : 287.67 ha i. Forest area : Nil ii. Non-Forest Area : - Pvt. Land : 15.50 ha - Govt. land : 265.20 ha - Army land : 6.97 ha  b) Others : 77.91 ha - Pvt. Land : 2.57 ha - Govt. land : 75.34 ha <b>Total : 365.58 ha</b>																																												
8.	Breakup of the Project affected population with enumeration of those losing houses / dwelling units only, agricultural land only, both dwelling units and agricultural land and landless labourers / artisans. a) SC /ST /Adivasis b) Others:	No. of families getting affected- 44 Population-123 persons from 4 villages Losing house only- Nil. Losing private land- 44 families Losing both house and Private land- Nil  a) 44 b) Nil																																												
9.	<b>Financial details</b> a) Project cost as originally planned and subsequent revised estimates and the years of price reference. b) Allocations made for environmental management plans. c) Actual expenditure incurred on the Project so far. d) Actual expenditure incurred on the environmental management plans so far.	a) Approved cost: Rs. 985.15 crore after completion till cutoff date. b) Rs. 1006.00 + Rs. 1144 lakh = 2150.00 lakh c) Rs. 973.46 crore d) Rs. 1399.73 lakh <table><tr><th>Sl. No.</th><th>EMP</th><th>Total (Rs. in lakh)</th><th>Expenditure incurred (Rs. lakh)</th></tr><tr><td>1</td><td>Biodiversity Conservation</td><td>69.00</td><td>15.00</td></tr><tr><td>2</td><td>CAT Plan</td><td>265.83</td><td>260.08</td></tr><tr><td>3</td><td>Fisheries Development</td><td>142.44</td><td>142.44</td></tr><tr><td>4</td><td>Health Care</td><td>55.00</td><td>16.75</td></tr><tr><td>5</td><td>Energy Alternatives</td><td>25.00</td><td>0.00</td></tr><tr><td>6</td><td>Muck Disposal</td><td>40.60</td><td>40.60</td></tr><tr><td>7</td><td>Restoration of borrow areas, quarry &amp; construction sites</td><td>75.00</td><td>17.03</td></tr><tr><td>8</td><td>Reservoir Rim stability, treatment and green belt creation.</td><td>31.00</td><td>17.11</td></tr><tr><td>9</td><td>Solid Waste Mgt.</td><td>27.50</td><td>0.00</td></tr><tr><td>10</td><td>Disaster</td><td>110.00</td><td>54.72</td></tr></table>	Sl. No.	EMP	Total (Rs. in lakh)	Expenditure incurred (Rs. lakh)	1	Biodiversity Conservation	69.00	15.00	2	CAT Plan	265.83	260.08	3	Fisheries Development	142.44	142.44	4	Health Care	55.00	16.75	5	Energy Alternatives	25.00	0.00	6	Muck Disposal	40.60	40.60	7	Restoration of borrow areas, quarry & construction sites	75.00	17.03	8	Reservoir Rim stability, treatment and green belt creation.	31.00	17.11	9	Solid Waste Mgt.	27.50	0.00	10	Disaster	110.00	54.72
Sl. No.	EMP	Total (Rs. in lakh)	Expenditure incurred (Rs. lakh)																																											
1	Biodiversity Conservation	69.00	15.00																																											
2	CAT Plan	265.83	260.08																																											
3	Fisheries Development	142.44	142.44																																											
4	Health Care	55.00	16.75																																											
5	Energy Alternatives	25.00	0.00																																											
6	Muck Disposal	40.60	40.60																																											
7	Restoration of borrow areas, quarry & construction sites	75.00	17.03																																											
8	Reservoir Rim stability, treatment and green belt creation.	31.00	17.11																																											
9	Solid Waste Mgt.	27.50	0.00																																											
10	Disaster	110.00	54.72																																											

			Management Plan		
		11	Environmental Monitoring Programme	20.00	07.50
		12	Resettlement and Rehabilitation	1197.60	869.11
		<b>Total</b>		<b>2058.97</b>	<b>1440.34</b>
10.	Forest Land requirements a) Status of approval for diversion of forest land for non -forestry use b) The status of clear felling in forest land	a) Not Applicable.  b) Not Applicable.			
11.	Status of construction a) Date of commencement b) Date of completion	a) November 2006 b) October 2013			
12.	Reasons for the delay. If the project is yet to be started.	Nil			
13.	Details of site visits a) By Monitoring Committee  b) By Regional Office	a. Monitoring Committee: i. 1 <sup>st</sup> EMC meeting held on 22.07.2008. ii. 2 <sup>nd</sup> EMC meeting held on 10.12.2013. iii. 3 <sup>rd</sup> EMC meeting held on 22.05.2018.  b. By Regional Office: i. CF (Central), Northern RO, MoEF, Chandigarh visited on 13.09.2008. ii. Chairman, SPCB visited on 05.11.2008. iii. Director, MoEF&CC, Regional Office, Chandigarh, visited from 05.08.2014 to 07.08.2014. iv. Advisor, MOEF&CC, Regional office, Chandigarh visited on 22.05.2018.			
14.	Brief note on the status of compliance of the conditions stipulated by MOEF.	Refer <b>Annex –A</b>			

**Status of compliance of conditions stipulated by MoEF&CC, Govt. of India in Environmental Clearance letter No.J-12011/3/2005-IA-I Dated 30.05.2005.**

**Part A: Specific Conditions**

S.No.	Condition	Compliance Status
i.	Catchment Area Treatment Plan as has been proposed should be completed in the five years.	To carry out the Catchment Area Treatment works, a nursery was developed near Saspol by the Forest Department, Leh under Biodiversity Conservation Plan. The work on engineering measures as proposed under the CAT plan has been carried in specific sub-watersheds on deposit basis by Forest Department and Soil Conservation Department, Leh based on detailed proposal submitted to the Project. Utilization of Rs. 232.97 lakh has been received till date.
ii.	NOC from Archaeological Survey of India (ASI) for Alchi Monastery should be obtained before starting any construction activity.	Condition was complied with. NOC obtained from Archaeological Survey of India (ASI) for Alchi Monastery vide letter No. F.No. 24/07/2005-M dated 08.03.2006.
iii.	Resettlement & Rehabilitation package for 19 families a proposed in EMP should be implemented in toto. The economic rehabilitation of the affected population should be covered through vocational training e.g. computer education, food processing, electronic/mechanical jobs etc.	Land was acquired though the State Govt. Final list of Project Affected Families (PAFs) was obtained from the State Govt. R&R plan has been implemented through District Administration.
iv.	The solatium for the project affected families should be given 30 percent of land price in line with the government of India guidelines.	Solatium for PAFs paid as per the existing rates.
v.	The proposed Fisheries Development Plan should be implemented in consultation with the State Fisheries Department.	Trout Fish Hatchery has been developed by Department of Fisheries, Ladakh at village Chuchot Shamma at Leh on an area of 4 Kanal 8 Marla land (approx. 0.22 ha) protected by chain link fencing. The farm contains 3 pair of American type raceways, water inlet channels along with desilting chamber for water supply and water is being channelized from nearby spring. Keeping in view the cold and harsh weather conditions of the area, sp. <i>Salmo trutta fario</i> (Rainbow trout) which is a fairly cold tolerant species is maintained at the farm. Utilization certificate of total Rs. 142.44 lakh from the State Fisheries Department has been received.
vi.	The Biodiversity conservation Plan proposed for protection of Flora & Fauna of the project area as well as	Biodiversity Conservation Plan is being implemented along with Catchment Area Treatment Plan as per the approved plan.

	catchment area on page 18 of EMP, should be followed in toto.	
--	---	--

**Part B: General Conditions:**

<b>S.No.</b>	<b>Condition</b>	<b>Compliance Status</b>
<b>i.</b>	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. Fuel depot may be opened at the site of provide the fuel (Kerosene/Wood/LPG).	The condition was complied with during construction phase of the project. The project stands commissioned.
<b>ii.</b>	Medical facilities as well as recreational facilities should also be provided for the labourers .	The condition was complied with during construction phase of the project. The project stands commissioned.
<b>iii.</b>	All the labourers to be engaged for construction works should be thoroughly examined by health personnel and adequately treated before issuing them work permit.	The condition was complied with during construction phase of the project. The project stands commissioned.
<b>iv.</b>	A Monitoring Committee for R&R should be constituted which must include representatives of project affected persons from ST category and a woman beneficiary.	Condition was complied with. A Monitoring Committee for R&R was constituted after consultation with Deputy Commissioner/ Chief Executive Office, Ladakh Autonomous Hill Development Council (LAHDC), Leh and includes representatives from PAFs, ST category and a woman beneficiary.
<b>v.</b>	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.	Condition was complied with. Measures were taken for restoration of construction areas including dumping sites as per EMP.
<b>vi.</b>	Financial provision should be made in the total budget of the project for implementation of the above suggested safeguard measures.	Condition was complied with. Financial provision was made in DPR of the project.
<b>vii.</b>	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 .	Condition was complied with. A Multidisciplinary Monitoring Committee was constituted on 27.08.2007 to oversee the effective implementation of Environmental Safeguards.
<b>viii.</b>	Six monthly monitoring reports should be submitted to the Ministry and its Regional Office for review.	Six-monthly progress reports are being regularly submitted to MoEF&CC and its Integrated Regional Office.

## Part C: Environment Monitoring Tests

### Water Quality, Ambient Air Quality and Noise Level testing report for NBPS:

Test were done in the month of August 2024 by M/s Nakshatra Enviro Sciences, Dahmi Kalan, Jaipur (Rajasthan-IN), Details are as under:

Sl. No.	Environmental Aspects	Locations of Samplings	Results
1.	Ambient Air Quality (As per National Ambient Air Quality Testing)	04 Locations: Leh Guest House, Alchi Colony, Dam Top, Power House	OK
2.	River Water Quality Analysis (Physical, Chemical as per IS: 10500-12)	03 Locations: Intake of Dam, Dam Gallery, Downstream of Dam	OK
3.	Drinking Water Quality Analysis (Physical, Chemical and Bacteriological as per IS: 10500-12)	04 Locations: Borewell of Colony	OK
4.	Noise Level Testing (in dB)	02 Locations: Power House different floor	OK

\*\*\*\*\*