

Condition wise Compliance Status

Name of the Project : 1000 MW Turga Pumped Storage Project

Project Code : IA/WB/RIV/53589/2013 dated 09.05.2016

Clearance Letter No. : J-12011/13/2013-IA.I (R) dated 02.07.2018 of MoEF&CC

Period of Compliance Report : 01.10.2022 to 31.03.2023

Specific Conditions :

Sl. No.	Conditions	Compliance Status
1.	Free Fuel / Energy Conservation Plan to be implemented as envisaged in the EIA / EMP Report.	WBSEDCL undertakes to implement the Free Fuel / Energy Conservation Plan as per provisions of EIA / EMP Report.
2.	Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their appropriate engagements in the Project.	In compliance to the condition, the following necessary provisions have been considered in Cl. 3.4.7 of SIA Report (Vol-II) :- <ul style="list-style-type: none"> Locals will be recruited for administrative and technical works according to their qualification and skills. WBSEDCL also undertakes to give Training for Skill Development for the youth of the affected project area for their appropriate engagement in the project.
3.	Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead proposal for various uses may be made in the revised EIA / EMP Report.	Solid waste management plan in details covering Segregation at source, Primary storage of wastes, Collection of solid wastes, Waste handling and Transportation of solid wastes has been considered in Cl. 7.3.4 of EMP Report (Vol: III). The restriction in land filling by plastic waste and proper disposal of non-biodegradable solid waste has been considered in Cl. 7.3.5 of EMP Report (Vol: III).
4.	Environmental Clearance for stone quarries shall be obtained separately. After extraction of stones, the quarry void shall be reclaimed with the soil preferably muck generated from the project and planted with local species.	Recognized Qualified Person (RQP) for preparation and submission of Mining Plan and Mine Closure Plan has been engaged for extraction of minor minerals required for construction work including obtaining approval from GoWB for 1000 MW Turga PSP.



		<p>Provisional Grant of mining lease for stone in favour of WBSEDCL in J.L. No. 122 & 105 of Mouza - Kudna & Baghmundi respectively under P.S. - Baghmundi, Dist. - Purulia has been granted for a period of 20 (Twenty) years vide letter no. 362-ICE/O/MIN/GEN-MIS/32/2021, dated - 27.06.2022.</p> <p>Mining Plan along with Mine Closure Plan for 1000 MW Turga PSP has been submitted to CMO, GoWB, on 17.03.2023.</p> <p>The Quarry voids shall be reclaimed with unused muck as per EMP Report and planted with local species.</p>
5.	<p>The Catchment Area Treatment (CAT) Plan as proposed in EIA / EMP (Sections 2.7 and 2.8; April, 2016) shall be implemented with biological and engineering measures in consultation with West Bengal Forest Department. The CAT proposed for the area of 20.95 sq. km (8.29 sq. km for upper dam and 12.66 sq. km for lower dam) with budgetary provision of Rs. 4.1 Crores shall be fully implemented and not to be diverted for any other purposes.</p>	<p>In compliance to the condition, necessary fund as per the claim has already been given to the Forest Department, Govt. of West Bengal for implementation of CAT for the project.</p>
6.	<p>The project involves 292 ha out of which 234 ha is forest land and 58 ha is private / non-forest land. The R&R benefits for the land losers will have to comply with "The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013" as applicable. Adequate publicity of the compensation package should be circulated in the affected villages.</p>	<p>For implementation of the Project, no family will be losing homestead. Some minimum private land is to be utilized on temporary lease basis and no permanent acquisition of private land is envisaged. Thus, issues related to Resettlement and Rehabilitation is not envisaged in the proposed Project.</p> <p>However, if during the construction of the project the issue of acquisition of private land is cropped up then, WBSEDCL agrees to extend the R&R benefits for the land losers complying with "The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013".</p>
7.	<p>A monitoring Committee for R&R shall be constituted which shall include representatives of project affected persons including representatives from SC / ST category and a woman beneficiaries.</p>	<p>WBSEDCL undertakes to constitute a Monitoring Committee to tackle the R&R issues, if cropped up during construction of the project, with representatives of project affected persons including representatives from SC / ST category and a woman beneficiaries.</p>
8.	<p>All the conditions stipulated in the forest clearance for diversion of 234 ha forest land for the proposed project issued vide Ministry's letter dated 12.4.2018 shall be complied with.</p>	<p>All the conditions of Compliance as stated in the in-principle forest clearance letter of MoEF&CC dated 12.04.2018 have been complied with.</p>

		<p>Entire CA land for the 578.22 Acres (234 ha) Forest land has already been declared as "Protected Forest" by the West Bengal Forest Department.</p> <p>Final Stage-I Compliance Report submitted to DFO Purulia Forest Division on 09.11.2021 for processing of Stage-II Clearance.</p> <p>Govt. of West Bengal submitted Final Compliance Report to MoEF&CC, Govt. of India on 22.12.2021 for obtaining Stage-II (Final) Forest Clearance.</p>
9.	All commitments made during Public Hearing should be fulfilled completely by the project proponent and records be maintained.	WBSEDCL undertakes to fulfil all the commitments made during Public Hearing and will maintain all the records.
10.	Consolidation and compaction of the generated muck should be carried out at the muck dumping sites. As proposed in the muck disposal plan, out of total muck generation of 40 lakh m ³ , 20 lakh m ³ shall be utilized in the construction and remaining 20 lakh m ³ shall be disposed at three muck disposal sites and Kudna & Dulgubera Quarry areas. The available volume of the three muck disposal sites is about 11.04 lakh m ³ and volume of the both quarries is about 9.7 lakh m ³ .	WBSEDCL undertakes to carry out Consolidation and compaction of the generated muck at the muck dumping sites in line with the relevant chapter of the EMP Report.
11.	The proposed compensatory afforestation programme in 234 ha non-forest land shall be developed in consultation with State Forest Department. An amount of Rs. 2.2512 Crores has been allocated for this purpose and should be fully utilized and not to be diverted for any other purposes.	In consultation with West Bengal Forest Department, WBSEDCL has already deposited the necessary amount as claimed by West Bengal Forest Department for compensatory afforestation program for entire 234 ha non-forest land required for compensatory afforestation purpose.
12.	The Fisheries Development and Management Plan as proposed in EIA / EMP Report (April, 2016) for conservation of fish in river / Nallah & reservoir shall be implemented consultation with the State Fishery Department. A budget of Rs. 88.7 lakh earmarked for fisheries management plan shall be utilized fully for the purpose and not to be diverted for any other purposes.	WBSEDCL undertakes to carry out Fisheries Development and Management Plan as proposed in EMP Report in consultation with West Bengal State Fishery Department with the budgetary provision as per EMP Report.
13.	The Biodiversity Conservation and Management Plan as proposed in the EIA / EMP Report (April, 2016) should be implemented in consultation with State	<ul style="list-style-type: none"> Wild life management plan approved by CWLW, Govt. Of West Bengal.



	Forest Department. The allocated grant of Rs. 2.584 Crores should be fully utilized for this purpose and not to be diverted for any other purposes.	<ul style="list-style-type: none"> WBSEDCL has already deposited the entire amount as claimed by West Bengal Forest Department for Wild life management plan.
14.	Occurrence of stagnant pools / slow moving water channels during construction and operation of the project provide the breeding source for vector mosquitoes and other parasites. The river should be properly channelized so that no small pools and puddles are formed. Even after taking precautions, due to unforeseen situations, breeding of mosquito and resultant malaria or mosquitoes borne disease can increase. If such a situation arises, it will be the responsibility of project proponent to take all steps, i.e. residual insecticidal spray in all the project area and its surrounding of 3 km area keeping the flight range of mosquitoes in consideration.	<p>As Turga PSP is a pumped storage project, so the water mass in both the reservoirs will fluctuate daily and chances of breeding of vectors / mosquitoes in a fluctuating water body are much lesser than the stagnant water condition.</p> <p>However, due to unforeseen situations, if breeding of mosquito increases resulting malaria or mosquitoes borne diseases, WBSEDCL undertakes to take all precautions against such diseases.</p>
15.	The equipment likely to generate high noise levels during the construction period or otherwise shall meet the Ambient Noise Level standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000 as amended in 2010 under the Environment (Protection) Act, 1986. Ambient Noise level monitoring shall be conducted on a monthly basis during the period of construction at suitable locations and copy of the test reports shall be submitted to concerned Regional Office on six monthly basis.	WBSEDCL undertakes to carry out Ambient Noise level monitoring on a monthly basis during the period of construction at suitable locations and copy of the test reports shall be submitted to concerned Regional Office on six monthly basis.
16.	Any other clearance from other organizations / departments, if required, should be obtained as and when necessary.	WBSEDCL will comply to any other required clearance.



General Conditions :

Sl. No.	Conditions	Compliance Status
1.	Adequate arrangements for providing free fuel like LPG / Kerosene shall be made at the project cost for the labour force engaged during the construction work so that felling of trees located adjacent to the proposed project site is avoided.	WBSEDCL undertakes to implement the Energy Conservation Measures like providing LPG / Kerosene as per provisions of EMP Report.
2.	Medical facilities as well as recreational facilities shall be provided to the labourers at the construction sites. First aid facility at the project site shall also be provided with proper signage.	WBSEDCL undertakes to extend Medical facilities and First Aid Facilities to the labourers at the construction sites as per provision of EMP Report.
3.	The labourers to be engaged for construction works shall be thoroughly examined by health personnel and adequately treated before issuing them work permit to avoid contraction of any diseases to the local population.	WBSEDCL undertakes to comply the provisions.
4.	Water sprinkling arrangements shall be made to control the fugitive dust, and ambient air quality, etc. be monitored during the period of construction according to the CPCB guidelines to meet the NAAQ standards.	WBSEDCL undertakes to make Water sprinkling arrangements and monitor during the period of construction to control the fugitive dust and ambient air quality, etc. according to the CPCB guidelines to meet the NAAQ standards.
5.	Potable drinking water and proper sanitary facilities shall be provided for the labour force. Any solid wastes generated at the colony of the labour force shall be collected and suitable disposed off.	WBSEDCL undertakes to provide Potable drinking water and proper sanitary facilities for the labour force and also to collect and dispose of solid waste generated at the colony as per provisions of EMP Report.
6.	Restoration of construction areas including muck dumping sites of excavated materials shall be ensured by leveling, filling up of borrow pits, landscaping, etc. The area should be properly treated with suitable plant species preferable local indigenous species for better survival of plants and also to enrich the local habitat.	The Quarry voids shall be reclaimed with unused muck as per description of the EMP Report and planted with local species.
7.	Environment parameters shall be monitored and "six monthly monitoring reports" shall be submitted to the concerned Regional Office of the Ministry as per guidelines.	WBSEDCL undertakes to comply.



Other Conditions Stipulated in the Environmental Clearance :

Sl. No.	Conditions	Compliance Status
1. (Ref. cl. no. 19 of EC)	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 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 the website of the Ministry of Environment, Forest & Climate Change at http://www.moef.nic.in .	Complied. Published on 11.07.2018 in "Bartaman" and "The Times of India" newspapers.
2. (Ref. cl. no. 20 of EC)	A copy of the clearance letter shall be marked to concerned Panchayet / Zilla Parishad / Municipal Corporation, Urban local body and local NGO, if any, from whom any suggestion / representations, were received while processing the proposal. The clearance letter shall also be put in the website by the project proponent. Compliance to the conditions shall be ensured by the project proponent and intimated to the state accordingly.	Complied vide letter no. PSPD/Turga PSP/2F/170-178 dated 23.07.2018.

