

Compliance Report

Date : 31.12.15

SL	EC conditions	Present Status	Action plan
1	Environmental clearance is subject to final order of the Honble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No. 460 of 2004, as may be applicable to this project.	Pending	NA
2	Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority.	Application will be submitted after completing digital mapping study	
3	Additional land acquisition will be restricted to 50 acres only for railway siding.	Complied	
4	Coal with an average ash content of 27.24% and sulphur content of 2.0% shall be used.	Will be complied	
5	One multi-flue stack of 220 m height with flue gas exit velocity of at least 22.5 m/s shall be provided with continuous online monitoring system.	Stack height 220m. On line monitoring system yet to be installed	
6	High efficiency Electrostatic Precipitator (ESPs) shall be installed so as to ensure that particulate emissions do not exceed 100 mg/Nm ³ .	Complied	
7	FGD system with 90% sulphur removal efficiency shall be installed.	Will be complied by 30.06.2017 till that time low sulfur coal will be used	
8	Gypsum generated from FGD plant shall not be disposed in the ash pond. Its 100% utilization shall be ensured from day one either to cement plants or for companies manufacturing gypsum boards.	Will be complied whenever situation arises	
9	Water requirement shall not exceed 3625 m ³ /hr and shall not be drawn from any source other than Champamati river.	Complied till date	
10	Closed Circuit Cooling System with cooling towers shall be	Complied	
11	Fly ash shall be collected in dry form. 100% utilization of fly ash shall be achieved within 9 years in accordance with the notification on fly ash utilization SO 763 (E) dated 14th September, 1999 and the amendments made therein from time to time.	Fly Ash will be saled/freely issued to export/fly ash utilizing industries	
12	R&R plan / compensation package shall be finalized within three months in accordance with the norms to be decided by the State Government, which shall not be less than the norms prescribed in the National R&R policy. A copy of the same shall be furnished to this Ministry within six months.	Complied	
13	Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from the existing ash disposal area.	Contract is in award stage.	
14	Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.	Complied	
15	A greenbelt shall be developed all around the plant boundary and ash pond boundary covering one third of the total project area.	Plantation is being done through DFO close to NTPC on deposit work basis	

16	Regular monitoring of the air quality shall be carried out in and around the power plant and records shall be maintained. The location of the monitoring stations and frequency of monitoring shall be finalized in consultation with State Pollution Control Board. Six monthly reports shall be submitted to this Ministry.	Contract is in award stage.	
17	For controlling fugitive dust, regular sprinkling of water in vulnerable areas of the plant shall be ensured.	Dust Extraction and Dust Supression system in CHP, Sprinkler in Ash Pond	
18	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which should 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 in the Website of the Ministry of Environment and Forests in the http://envfor.nic.in .	Complied	
19	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	Will be complied	
20	Half yearly report on the status of implementation of the conditions and environmental safeguards should be submitted to this Ministry, its Regional Office, CPCB and SPCB.	Report is being sent to Env Eng	
21	Regional Office of the Ministry of Environment & Forests located at Shillong will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Management Plan should be forwarded to the Regional Office for their use during monitoring.		
22	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Complied	
23	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Shillong /the CPCB/the SPCB during monitoring of the project.	Will be complied whenever situation arises	
24	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.	yet to be started	
25	A long term study on radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Commercial operation not yet started	
26	Mercury emissions from stack shall also be monitored on periodic basis.	Commercial operation not yet started	
27	Fugitive emissions shall be controlled to prevent impact on agricultural or non-agricultural land.	Will be complied	

28	No ground water shall be extracted for use in operation of the power plant even in lean season.	Being Complied	
29	Source sustainability study of water requirement shall be carried out by an institute of repute. The study shall also specify the source of water for meeting the requirement during lean season. The report shall be submitted to the Regional Office of the Ministry within six months.		
30	Hydro geological study of the area shall be reviewed annually and report submitted to the Ministry. No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up / operation of the power plant.		
31	Minimum required environmental flow suggested by the Competent Authority of the State Govt. shall be maintained in the Channel/ Rivers (as applicable) even in lean season.		
32	COC of 5.0 shall be adopted.	Will be complied	
33	Fly ash shall not be used for agricultural purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.	Will be complied, if situation arises	
34	Green Belt consisting of 3 tiers of plantations of native species around plant and at least 100 m width shall be raised. Wherever 100 m width is not feasible a 50 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 75 %.		
35	Three tier green belt shall be developed all around Ash Pond over and above the Green Belt around the plant boundary.		
36	A common Green Endowment Fund shall be created and the interest earned out of it shall be used for the development and management of green cover of the area.		
37	The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.		
38	An amount of Rs. 17 Crores (minimum) shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs. 3.3 Crores (minimum) per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within one month along with road map for implementation.	Complied	

39	CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such cost.employment and jobs shall be imparted to identify villagers free of programmes. Vocational training programme for possible selfcommunity development activities and income generating	Being Complied	
40	It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.		
41	An Environmental Cell shall be created at the project site itself and shall be headed by an officer of the company of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization.	Will be complied	
42	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg,Cr,As,Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.	Service PR is in approved stage	
43	Monitoring of surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	Contract is in award stage.	
44	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	Will be complied	
45	The project proponent shall formulate a well laid Corporate Environment Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.	Will be complied	