


EC Conditions Six Monthly Compliance Report

(by Project Proponent)



Proposal No : J-13011/10/2006-IA-II (T)

1. Name of the Entity / Corporate Office :

File No. :	J-13011/10/2006-IA-II (T)	Proposal Name :	5x135 MW Captive Power Plant at Jharsuguda, Orissa by M/s Vedanta Alumina Ltd-Environmental Clearance.reg.
Date Of EC. :	14 Mar 2007	EC Letter :	
Name of the Entity / Corporate Office :	VEDANTA LIMITED	Email Address :	meghna.ghosh@vedanta.co.in
Address :	Meghalahalli office Complex, Bheemasamudra post, Chitradurga	Mobile No :	9303134310

2. Proponent Details :

Proponent Name :	Sunil	Designation :	CEO
Telephone No :	6645-666634	Mobile No :	+91 9937535890
Fax No :	6645-6645666427	Email Address :	envvljsgsc@vedanta.co.in
Website :		Pin Code :	768202
State :	Orissa	District :	Jharsuguda
Village/Town :			

3. Compliance Letter/Report (Proponent):

Compliance Period :	2022 / 01 Dec (01 April - 30 Sep)	Compliance Submission Date :	11 Nov 2022 16:17:39:287
Remarks :			
Site Visit Report :	N/A	Site Visit Date :	N/A
ATR Report :	N/A	ATR Date :	N/A
Additional Attachment (If Any) :	N/A	Additional Remarks (If Any) :	

4. Summary Status of Compliance :

Total Condition :	29		
Complied :	29	Being Complied :	0
Not Complied :	0	Partially Complied :	0
Agreed to Comply :	0		


5. Details of Production and Project Area :

Date of Commencement of Project/Activity :		03 Jul 2008	Project Area as Per EC Granted (In Case of Mine Lease):		0
Actual Project Area(In Case of Mine Lease):		0			
PRODUCTION CAPACITY :					
S.No	Name of the Product	Units		As per EC granted	Production during last financial year
1	Power CPP - 1215 (9x135)	MW		1215	9398846 MWH

6. Specific Conditions (Proponent):

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	Ash pond shall be lined with impervious lining to avoid leaching into ground water. Adequate safety measures shall also be taken so that pond ash does not become air borne to air pollution in the surrounding areas.	Complied	The ash pond has been lined with impervious clay/ HDPE lining to avoid any leaching into ground water. High concentration slurry disposal system has been implemented.	N/A	
2	Ash and sulphur contents in the coal to be used in the project shall not exceed 41.6% and 0.5% respectively	Complied	Ash and Sulphur content is within the limit as per notification.	N/A	
3	Fly ash shall be collected in dry form and ash generated shall be used in a phased manner as per provisions of the notification on Fly ash utilization issued by the ministry in September 1999 and its amendment. By the end of 9th year full fly ash utilization should be ensured. Unutilized ash shall be disposed off in the ash pond in the form of High Concentration Slurry.	Complied	Fly ash is being collected in dry form in silos for further utilization in Cement and brick manufacturing as per the Fly Ash Notification Dec 2021. Balance Ash is disposed in the ash pond through HCSD.	N/A	
4	Regular monitoring of groundwater in and around the ash pond area shall be carried out, records maintained, and quarterly reports shall be furnished to the Regional Office of this Ministry.	Complied	Regular monitoring of the ground water is being carried out regularly, records maintained and reports are submitted to Regional Office of this Ministry.	N/A	
5	Regional Office of the Ministry of Environment and Forests located at Bhubaneswar will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Environmental Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional	Complied	Complete set of EIA & EMP along with all relevant information has been submitted to the Regional Office of the Ministry. Any additional information required will be provided from time to time.	N/A	

	Office for their use during monitoring.				
6	Full co-operation should be extended to the Scientists /officers from the Ministry/ Regional Office of the Ministry at Bhubaneswar / the CPCB /the SPCB who would be monitoring the compliance of environmental status.	Complied	We shall extend full co-operation to the scientists/ officers from the Ministry/ Regional Office/ CPCB and OSPCB who would be monitoring the compliance of Environmental status.	N/A	
7	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	Complied	A separate Environment Management Cell with qualified personnel is in place for implementation of environmental safeguards.	N/A	
8	All the conditions stipulated by Orissa State Pollution Control Board vide their letter no. 8064/ ind-II-NOC-3633 dated 31.03.2006 shall be strictly implemented.	Complied	All the conditions stipulated by Odisha State Pollution Control Board vide their letter no. 8064/ ind-II-NOC-3633 dated 31.03.2006 has been implemented.	N/A	
9	The project proponent shall advertise in at least 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 the Website of the Ministry of Environment and Forests at http://envfor.nic.in .	Complied	The grant of EC has been published in two widely circulated local news paper in English and Odia language. The clearance letter has been made available with OSPCB and displayed at MOEF CC website.	N/A	
10	Space provision shall be made for Flue Gas De-sulphurisation (FGD) unit, if required at a later stage.	Complied	Necessary space has been earmarked for setting up of Flue Gas De-sulphurisation Plant (FGD).	N/A	
11	A conservation plan for Schedule-I animals reported in the study area of the project, shall be prepared in consultation with an expert organization like Wildlife Institute of India at Dehradun and duly approved by State Wildlife Department of Orissa. A copy of the same shall be submitted to the Ministry and the regional Office at Bhubaneswar within six months of the date of issue of this letter. The plan so	Complied	The site specific wild life conservation has been approved by the Chief Wildlife Warden, Odisha/PCCF (Wildlife) with an outlay of 610.894 lakhs earmarked for implementation over a period of 10 years.	N/A	

	prepared shall be implemented effectively. Necessary allocation of funds for the same sha				
12	Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. This 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	Separate fund has been allocated for implementation of the Environmental Protection measures and will not be diverted for other purposes.	N/A	
13	The treated effluents conforming to the prescribed standards shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary. In case of emergency, only 30 m3/hr discharges from the plant may be done in the drain.	Complied	The treated effluent is recycled and re-used within the plant for ash slurry preparation, sprinkling in yards etc. In case of exigency, treated wastewater is discharged after meeting prescribed norms.	N/A	
14	Regular monitoring of the ambient air quality shall be carried out in and around the power plant and records maintained. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Quarterly reports shall be submitted to the Regional Office of this Ministry.	Complied	Regular monitoring of Ambient Air quality is being carried out in and around the power plant, records maintained and reports submitted timely to the Regional Office of this Ministry.		
15	First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Complied	First aid and sanitation facilities have been provided to all the drivers and contract workers in the construction phase.	N/A	
16	Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards should be submitted to this Ministry, Regional Office, CPCB and SPCB.	Complied	Half yearly report on the status of implementation of the conditions is being submitted to the Ministry, Regional office, CPCB and OSPB regularly.	N/A	
17	Environmental clearance is subjected to obtaining clearance under the Wildlife (Protection) Act, 1972 from the Competent Authority.	Complied	The project does not fall either in a National Park or a Wildlife sanctuary.	N/A	

			Wildlife (Protection) Act, 1972 is not applicable in our case.		
18	Adequate dust extraction such as bag filters and water spray system in dusty areas such as coal and ash handling areas, transfer areas and other vulnerable areas shall be provided.	Complied	Necessary dust extraction and dust suppression system such as rain guns, water sprinklers, mist cannons etc. have been provided to suppress/collect the dust generated in coal and ash handling areas.	N/A	
19	The total land requirement shall not be exceed 233.92 ha for all the activities/ facilities of the power project put together.	Complied	The total land on which the Plant facilities of CPP has been set up within 233.92 ha.	N/A	
20	Environmental clearance is subject to final order of the Hon'ble 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.	Complied	Not applicable at present	N/A	
21	One multi-flue stack of 275 m height shall be provided with continuous online monitoring equipments. Exit velocity of at least 23.6 m/sec shall be maintained	Complied	One multi-flue stack of 275 m height with online monitoring system has been provided. Exit velocity of minimum 23.6 m/sec is being maintained.	N/A	
22	Closed Circuit Cooling system with Cooling Towers shall be provided. COC shall be optimized for ensuring water conservation.	Complied	Closed circuit cooling system with cooling towers (IDCT) has been provided and an optimum level of COC is being maintained as part of water conservation measures.	N/A	
23	High efficiency Electrostatic Precipitators (ESPs) with efficiency not less than 99.9% shall be installed to insure that particulate emission does not exceed 100 mg/NM3. It shall also be ensured that the AAQ levels in the notified ecologically sensitive areas including Reserve forests and Sanctuaries falling in the impact zone of the project do not exceed the prescribed standards for these areas.	Complied	ESPs with 99.9% efficiency have been provided. ESPs have been upgraded to hybrid ESP (ESP followed by bag filters) to control emissions below the stipulated limit. PM emissions are within 50 mg/Nm3.	N/A	
24	A 50 m wide greenbelt shall be developed all along the plant and ash pond boundary covering 1/3rd of the total area.	Complied	Green belt/cover has been developed in 33% of the area (275 Ha) and density	N/A	

			have been increased to 2500 trees/ha by doing gap filling.		
25	Rainwater harvesting shall be practiced. A detailed scheme for rainwater harvesting to recharge the groundwater aquifer shall be prepared in consultation with Central Ground Water Authority / State Ground Water Board and a copy of the same will be submitted within three months to the Ministry.	Complied	Roof top Rain water harvesting facility has been installed at our site to utilize the collected rain water in our water system	N/A	

7. General Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.	Complied	Agreed.	N/A	
2	The environment clearance accorded shall be valid for a period of 5 years to the start of production operations by the power plant.	Complied	Agreed.	N/A	
3	In case of any deviation or alteration in the proposed project from that submitted to this Ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of the conditions(s) imposed and to incorporate additional environmental protection measures required if any,	Complied	Agreed.	N/A	
4	The above stipulations shall be enforced along with others as under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989, Hazardous Waste (Management and Handling) Rules 1989, The Public Liability Insurance Act, 1991 and rules there under and the EIA Notification, 2006 and the amendments made there	Complied	Agreed.	N/A	

☒ I ' VEDANTA LIMITED ' hereby give undertaking that the specific / general condition is entered by me is correct.

E-Sign

VEDANTA LIMITED

Date : 11 Nov 2022 16:17:39:287

****Note : N/A - Not Available**

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