


# EC Conditions Six Monthly Compliance Report

(by Project Proponent)



**Proposal No :** J-13011/03/2007-IA.II (T)

## 1. Name of the Entity / Corporate Office :

<b>File No. :</b>	J-13011/03/2007-IA.II (T)	<b>Proposal Name :</b>	2400 MW Coal based Power Project at Brundamal, Jharsuguda, Orissa by M/s Sterlite Energy Ltd - Environment Clearance regarding
<b>Date Of EC. :</b>	07 Dec 2007	<b>EC Letter :</b>	
<b>Name of the Entity / Corporate Office :</b>	VEDANTA LIMITED	<b>Email Address :</b>	eerdwsd.bdr1@gmail.com
<b>Address :</b>	O/O THE EXECUTIVE ENGINEER, RDWS&S DIV BIDAR	<b>Mobile No :</b>	9449098548

## 2. Proponent Details :

<b>Proponent Name :</b>	Anjan	<b>Designation :</b>	COO - Power
<b>Telephone No :</b>	6645-666794	<b>Mobile No :</b>	+91 9937535890
<b>Fax No :</b>	6645-	<b>Email Address :</b>	envvljsgtpp@vedanta.co.in
<b>Website :</b>		<b>Pin Code :</b>	768202
<b>State :</b>	Orissa	<b>District :</b>	Jharsuguda
<b>Village/Town :</b>			

## 3. Compliance Letter/Report (Proponent):

<b>Compliance Period :</b>	2022 / 01 Dec (01 April - 30 Sep)	<b>Compliance Submission Date :</b>	11 Nov 2022 15:47:53:497
<b>Remarks :</b>			
<b>Site Visit Report :</b>	N/A	<b>Site Visit Date :</b>	N/A
<b>ATR Report :</b>	N/A	<b>ATR Date :</b>	N/A
<b>Additional Attachment (If Any) :</b>	N/A	<b>Additional Remarks (If Any) :</b>	


## 4. Summary Status of Compliance :

<b>Total Condition :</b>	29		
<b>Complied :</b>	28	<b>Being Complied :</b>	1
<b>Not Complied :</b>	0	<b>Partially Complied :</b>	0
<b>Agreed to Comply :</b>	0		

## 5. Details of Production and Project Area :

Date of Commencement of Project/Activity :		12 Jun 2010	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	Thermal Power Plant	MW		2400	13384080 MWH

## 6. Specific Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	Closed Circuit Cooling system with cooling towers shall be provided.	Complied	Closed Circuit Cooling system with cooling towers (NDCT) have been provided and an optimum level of COC being maintained. For each unit, one number of cooling tower of 150 meter ht. has been provided.	N/A	
2	For controlling fugitive dust, regular sprinkling of water in the coal handling area and other vulnerable areas of the plant shall be ensured.	Complied	Necessary dust extraction and dust suppression system has been provided in truck tippler, track hopper, belt conveyor along with rain guns and mist cannon in coal yard for controlling fugitive dust.	N/A	
3	The total land requirement shall not exceed 839.50 acres for all the activities/ facilities of the power project.	Complied	The facilities of the power project have been set up within 839.50 acres.	N/A	
4	Regular monitoring of ground water quality including heavy metals shall be undertaken around ash dyke and the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from ash disposal area.	Complied	Apart from the piezometric bore wells around ash ponds, the ground water monitoring has been undertaken in the surrounding villages like Purna, Siriapalli, Badmal, Bhurkamunda and Katikela.	N/A	
5	Regular monitoring of the ambient air quality shall be carried out in and around the power plant and records	Complied	AAQ stations have been fixed in consultation with OSPCB in		

	maintained. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Quarterly reports shall		and around the power plant complex. Quarterly reports are being regularly submitted to the Regional Office.		
6	High efficiency Electrostatic Precipitators (ESPs) with efficiency not less than 99.98% shall be installed so as to ensure that particulate emissions do not exceed 50 mg/Nm <sup>3</sup> .	Complied	Electrostatic Precipitators (ESPs) with 99.98% efficiency followed with bag filters have been installed and the particulate emissions is within 50 mg/Nm <sup>3</sup> .	N/A	
7	Water requirement shall not exceed 5235 m <sup>3</sup> /hr. No ground water shall be extracted for the project at any stage.	Complied	Water requirement is within 5235 m <sup>3</sup> /hr and no ground water is being used for the project.	N/A	
8	Space provision shall be made for Flue Gas De-sulphurisation (FGD) unit of requisite efficiency of removal of SO <sub>2</sub> , if required at a later stage.	Complied	Space has been earmarked for Flue Gas De-sulphurisation (FGD) unit of requisite efficiency for removal of SO <sub>2</sub> .	N/A	
9	Waste water generated shall be recycled and reused in the plant premises. There shall be no discharge of waste water out side the plant boundary except during monsoon. Treated effluents conforming to the prescribed standards shall be discharged during t	Complied	The treated effluents after conforming to standards is recycled and reused within the plant. Further study is being carried out for surface run off management.	N/A	
10	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 has been set up to monitor compliance of the conditions stipulated.	N/A	
11	Two bi-flue stack of 275 m height each with exit velocity of not less than 25 m/s shall be provided with continuous online monitoring system.	Complied	Two bi-flue stacks of 275 m height each with exit velocity of not less than 25 m/s have been provided with continuous online monitoring system.	N/A	
12	Half yearly report on the status of implementation of the conditions and environmental safeguards should be submitted to this	Complied	Half yearly report on the status of implementation of the conditions is periodically	N/A	

	Ministry, the Regional Office, CPCB and SPCB.		being submitted to the Ministry, the Regional Office, CPCB and SPCB.		
13	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	
14	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	
15	Rain water harvesting should be adopted. Central Groundwater Authority / Board shall be consulted for finalization of appropriate rain water harvesting technology within a period of	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	
16	The ash pond shall be lined with impervious lining to avoid any leaching into groundwater. The ash dyke shall be so designed and strengthened to ensure guard against breaching. Adequate safety measures shall also be taken so that pond ash does not become	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	
17	The project authorities should adhere to the provisions stipulated in the fly ash notification of September, 1999 and as amended in August, 2003 in regard to fly ash utilization.	Complied	Fly Ash is being collected pneumatically in silos for further utilization in cement & brick manufacturing as per Fly Ash Notification Dec 2021. Balance ash is being sent to ash ponds by HCSD system.	N/A	
18	The District Collector / Revenue Divisional Commissioner shall be informed regarding R&R and all other benefits to be provided by the project proponent and their effective implementation shall have to be overseen by the District Authorities.	Complied	The R & R package as finalized by RPDAC based on Govt. R & R policy 2006 is being implemented fully under the supervision of District Administration.	N/A	
19	Regional Office of the Ministry of Environment & Forests located at Bhubaneswar will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report,	Complied	Half yearly report on the status of implementation of the conditions is periodically being submitted to the Ministry's	N/A	

	Environment Management Plan and t		Regional Office and SPCB.		
20	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should be in the vernacular language of the locality concerned within seven days of issue of this letter, informing th	Complied	Necessary advertisement with information as advised by the Ministry has been released in two local newspapers one in vernacular and one in English.	N/A	
21	Full cooperation should be extended to the Scientists/Officers from the Ministry and its Regional Office at Bhubaneswar/ the CPCB / the SPCB during monitoring of the project.	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	
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	Complied	Separate fund has been allocated for implementation of the Environmental Protection measures and will not be diverted for any other purposes.	N/A	
23	All the measures suggested by the Wildlife Department, Govt. of Orissa (Chief Wildlife Warden) for this project as contained in their letter no. IWL(c)-FC-370/07/6532 dated 16.10.2007 and any other measure as may be considered necessary for the conservati	Complied	The mitigative measures as per revised site specific wildlife conservation plan as approved by CWLW, Odisha vide letter no. 4488/7WL-FD WLC -32/2021 dtd 30.04.2021 is under implementation.	N/A	
24	Project proponent shall commission a study to be undertaken by Wildlife Institute of India, Dehradun to determine the quantum and scale of mitigation measures to offset the impact, if any, on the safety of the elephants and security of their migration are	Complied	Study has been undertaken by Centre for Ecological Sciences, Indian Institute of Science, Bangalore and report submitted with no recommendation of establishment of elephant corridor near project site	N/A	
25	A greenbelt shall be developed all along the plant and ash pond boundary covering a total area of 322 acres.	Being Complied	Green belt has been developed as per prescribed norms. Mortality rate has been considered and plantation is in progress.	N/A	

## 7. General Conditions (Proponent) :

S.No	Condition	Self Declaration	Remarks / Reason	Supporting Documents	Observation of IRO
1	In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to incorporate additional environme	Complied	No deviation, alteration, expansion or modernization in the project will be undertaken without prior approval of the Ministry.	N/A	
2	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	
3	The environmental 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	
4	The above stipulations would be enforced among others 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, Hazardous Wastes	Complied	Agreed	N/A	
<input checked="" type="checkbox"/> <b>I ' VEDANTA LIMITED ' hereby give undertaking that the specific / general condition is entered by me is correct.</b>					

**E-Sign**

**VEDANTA LIMITED**

**Date : 11 Nov 2022 15:47:53:497**

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

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