

कार्यालय मुख्य महाप्रबन्धक
MANAGER
ओबरा ताप विद्युत परियोजना
उ०प्र०रा०वि० उत्पादन नि०लि०
(उ०प्र० सरकार का उपक्रम)
पो० आ० : ओबरा-231219
जिला : सोनभद्र (उ० प्र०)



OFFICE OF CHIEF GENERAL

OBRA THERMAL POWER PROJECT
U. P. R. VIDYUT UTPADAN NIGAM LTD.
(U.P. Govt. Undertaking)
P.O. : OBRA - 231219
DISTRICT: SONEBHADRA (UP)

-----CIN-U40101UP1980SGC005065-----

No. 1391 /CGM/W-II/83B-2

Dated. 25 October, 2024

Sub: Compliance report of CTE granted to Coal Fired Thermal Power Project Extension Stage (2x660 MW) at Obra Thermal Power Plant of M/s U.P.R.V.U.N.L.

Ref: CTE No. 62090/UPPCB/Sonebhadra (UPPCB RO)/CTE/Sonebhadra/2020 dt. 28.08.202

Member Secretary,
UP Pollution Control Board,
Pickup Bhawan, 3rd Floor,
B, Block Vibhuti Khand,
Gomti Nagar Lucknow.

Dear Sir,

In reference to condition of CTE granted by your office to 2x660 MW Obra Thermal Power Station. Compliance report from July, 2024 to September, 2024 is hereby enclosed for your kind information and necessary action
Encl: - As above.

(R.K. Agrawal)

Chief General Manager

No. 1391 /CGM/W-II of dated

Copy forwarded to Regional Officer, UP Pollution Control Board, Robertsganj, Sonebhadra for information and necessary action.

(R.K. Agrawal)

Chief General Manager

No. 1391 /CGM/W-II of dated

Copy forwarded to the following for information and necessary action:-

01. Chief Engineer, Civil New Projects, 7th Floor Shakti Bhawan Extn., Lucknow
02. Chief Engineer (Civil/Obra C), Obra-C, Obra TPS, Obra
03. Chief Project manager, Pragati, UPRVUNL, Shakti Bhawan, 14-Ashok Marg, Lucknow with the request that compliance report may please be uploaded on the Nigam's Website.
04. SE, Obra C Construction Circle-I&II, Obra
05. Executive Engineer, Obra C Construction Division-IV, Obra.

(R.K. Agrawal)

Chief General Manager

Name of Project: Obra Thermal Power Project, 2x660 MW Obra 'C' ,Obra-Sonebhadra.

Reference: 62090/UPPCB/Sonebhadra(UPPCBRO)/CTE/Sonebhadra/2020

Period of Compliance Report : 01 July, 2024 to 30 September, 2024

	General Conditions	
Sl. No.	Compliance	Status
1.	For any change in parameters mentioned in CTE, it will be mandatory to obtain consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.	Noted & shall be complied.
2.	You are directed to furnish the progress of Establishment of plant and machinery, green belt, Effluent Treatment Plant and Air Pollution Control devices, by 10 th day completion of subsequent quarter in the Board.	Status of establishment of unit no. 1&2 plant & Machinery:- <ol style="list-style-type: none">1. TG – Commissioning work is under progress2. Chimney shell has been constructed and flue gas erection of both units is completed .3. Construction of ETP is under progress.4. Development of green belt area will be ensured after construction of Obra 'C'.
3.	Copy of the work order/purchase order, regarding instruction and supply of proposed Effluent Treatment Plant/Sewerage Treatment Plant/Air Pollution control System shall be submitted by the industry till 19/08/2025 to the board.	Work of ETP/STP is under progress. APCS:: <ol style="list-style-type: none">1. Construction of FGD is under progress.2. Chimney shell has been constructed.3. Construction of High efficiency ESP Of Unit # 1 has been completed and Unit # 2 is under progress.
4.	Industry will not start its operation, unless CTO is obtained under water (Prevention and Control of Pollution) Act, 1981 from the board	Noted & shall be complied.
5.	It is mandatory to submit Air and Water consent application complete in all respect, four months before start of operation, to the U.P. Pollution Control Board.	Noted & shall be complied.
6.	Legal action under water (Prevention and Control of Pollution) Act 1974 and Air (Prevention and Control of Pollution) Act, 1981 may be initiated against the industry without any prior information, in case of non compliance of above conditions.	Noted & shall be complied.

Specific Conditions

Sl. No.	Compliance	Status
1	Industry shall ensure that water consumption does not exceed 2.5 cubic meter/MWh and achieve zero waste water discharge as per standards laid down for Thermal power plant commissioned after 01.01.2017.	Noted & shall be complied.
2	Industry will install 02 nos. coal fired boilers of capacity 2045 TPH each. Separate electrostatic precipitators and flue gas desulphurization (FGD) system along with 275 meter high common stack shall be provided to control the emission from the boilers within the prescribed limit.	Construction of 02 Nos. coal fired boilers of capacity 2045TPH, FGD and construction of 275 Meter High common stack is completed.
3	Industry shall treat DM plant, Back wash, cooling tower blow down effluent through ETP to recycle and reuse treated effluent in the process, sprinkling in coal handling plant for dust suppression & greenery etc. Decanted effluent of ash dyke after settling through settling pond shall be reused to make ash slurry. Ash pond water shall be 100% recycled and shall maintain zero effluent discharge.	<ol style="list-style-type: none"> 1. Construction of DM plant, Back wash, cooling tower blow down effluent through ETP to recycle is under progress. 2. Sprinkling system in CHP is under construction.
4	The AWRs shall be installed prior to commissioning of the plant.	Installation is in progress.
5	The industry shall develop Ash Dykes, in such a manner that underground water would not get contaminated. The land shall be prepared with proper Lining as per the guidelines of CPCB regarding Fly ash disposal in Ash Dykes.	Noted & shall be complied.
6	The coal industry shall install sufficient number of water sprinkling system around the coal crusher area and coal stock yard and operate it effectively to suppress the dust.	Installation is in progress.
7	Industry shall install coal fog dust suppression system on proposed 04 no. coal crushers of capacity 1800Ton/hour each.	Installation is in progress.
8	The industry shall install ElectroMagnetic Flow meter at water source, inlet of ETP and STP. The log book of flow meter reading shall be maintained.	Installation is in progress.
9	The industry shall comply with the condition of Environmental clearance issued by MoEF&CC Govt of India and its compliance report should be submitted to UPPCB regularly.	Noted and is being complied regularly.



10	The unit shall comply with the ambient air quality standard 2009 of CPCB.	Noted & shall be complied.
11	The APCS as proposed, on all air pollution sources shall be installed in such a manner that emissions always conform to the standard laid down under the Environment (Protection) Act 1986 as amended. Industry shall provide the stack monitoring arrangement as per the guidelines of CPCB.	APCS:: 1. Construction of FGD is under progress. 2. Chimney shell has been constructed. 3. Construction of High efficiency ESP Of Unit # 1 has been completed and Unit # 2 is under progress.
12	Hydrological studies shall be carried out every six months to assess the impact on ground water specially around the ash dykes. Specific mitigation shall be undertaken.	Noted & shall be complied.
13	Fly ash shall be disposed in such manner, so that no water, air and soil pollution takes place. Industry shall comply with provisions of fly ash notification S.O. 254 (E) dated 25.01.2016.	Noted & shall be complied.
14	Industry shall develop and maintain green belt as per the guidelines issued by the board vide office order no. H16405/220/2018/02 dated 16.02.2018, which is available at URL http://www.uppcb.com/pdf/green-belt-guidle_160218.pdf . A time bound program for the development of green belt shall be submitted within 01 month.	1. Payment of Rs. 9,50,400.00 to DFO, Obra by Obra TPS for Plantation of 8382 nos. plants. ((copy already attached in previous report)). 2. Payment of Rs. 9,33,588.00 to DFO, Obra by Obra TPS for Plantation of 6712 nos. plants. ((copy already attached in previous report)). 3. Payment of Rs. 11,70,000.00 to Jila Udhyan Adhikari, Sonebhadra by Obra TPS for Plantation of 30000 nos. plants ((copy already attached in previous report)). 4. Payment of Rs. 7,17,500.00 to DFO, Obra by Obra TPS for Plantation of 13750 nos. plants. ((copy already attached in previous report)). 5. 25000 no of plants were provided free of cost to Obra TPS. The same was planted in coordination with District administration. There is individual green belt in houses of Obra Colony. In power house area plantation work is to be done after construction of 2x660 MWunit.
15	Unit shall comply with the provisions of Environment (Protection and control of pollution) Act, 1981 as amended.	Noted & shall be complied.
16	All approach roads shall be sprinkled with water to suppress the dust emission.	Sprinkling of water is done regularly on the roads.

17	Industry shall install PTZ cameras at each strategic location such AWRS, Effluent Recycling points etc. for monitoring purpose. The URLs and password shall be provided to the Board.	Procurement of PTZ cameras for AWRS is under progress. Installation of PTZ cameras for ETP is in progress.
18	Industry shall install STP for treatment of 50KLD domestic effluent. The treated STP effluent should achieved the prescribed standard as notified by MoEF&CC. The treated effluent shall be reused for irrigation and for making ash slurry.	1. STP of 3 MLD capacity is operational in the colony area. 2. Construction of 50KLD STP plant inside plant area is under progress.
19	Industry shall abide by directions given by Hon'ble Courts, MoEF&CC, CPCB and UPPCB for protection and safe guard of environment from time to time.	Noted & shall be complied.
20	Industry shall install shallow hand pumps in the industry premises preferably near the ash dykes. Analysis of underground water should be carried out on quarterly basis to keep a check on underground water contamination.	Noted & shall be complied.
21	Unit shall make temporary storage facility for storage of hazardous waste in the premises before it is sent to TSDF as per the provisions of Hazardious and other waste (Management and Transboundary Movement) Rules 2016.	Noted & shall be complied.
22	Unit shall comply with the provisions of Hazardious and Other waste (Management and Transboundary Movement) Rules 2016.	Noted & shall be complied.
23	Industry shall submit the proposal for safe disposal of fly ash, bottom ash and Gypsum generated from the FGD system within 01 month.	Construction of DFAES is under progress. Agreement is made with ACC for utilization of fly ash. (copy already attached in previous report). For lifting of 1.63 LMT fly ash (10 years), work Order for 3 lakh MT fly ash lifting from 2x660 MW Obra C silo has been awarded to M/s Ultratech Pvt. LTD. to use in cement manufacturing. And a tender of balance quantity of fly ash which is generated from obra C unit has been invited whose Technical Bid shall be opened on 23.10.2024 and another administrative approval for lifting of 8 LMT pond ash generated from Obra C unit to laying in low laying has been approved by HQ and further financial approval is under process.
24	Industry shall comply the provisions of SWM Rules 2016.	Construction of DFAES (04 nos. Silo of 3000MT capacity each) is under progress.

25	Proper dust control measures shall be taken during construction and provisions of construction and demolition waste management Rules 2016 shall be effectively implemented.	Proper dust control measures are being taken. Sprinkling of water is done on roads and open areas.
26	The industry shall install the requisite OCEMS with arrangement for continuous and uninterrupted data supply from the OCEMS to the SPCB and CPCB server.	CEMS analyzer has been installed, its commissioning is pending and server is not supplied yet.
27	Industry shall ensure the compliance of provisions of Noise Pollution (Regulation and control) Rules, 2000.	Noted & shall be complied.
28	Loading and Unloading of coal shall be done in such manner so that no air, water and soil pollution takes place.	Installation of required arrangement is in progress.
29	Industry is directed to obtain prior consent under provisions of water (Prevention and control of pollution) Act 1974 as amended, Air (Prevention and control of pollution) Act 1981 as amended before the start of the production.	Noted & shall be complied.
30	Industry shall submit the design details of proposed water and air pollution control system to the Board, within 01 month.	AWRS construction is under progress. APCS:: 1. Construction of FGD is under progress. 2. Chimney shell has been constructed. 3. Construction of High efficiency ESP Of Unit # 1 has been completed and Unit # 2 is under progress.
31	Industry shall comply with the relevant provisions of Environmental Laws.	Noted & shall be complied.
32	Unit shall submit bank guarantee of Rs. 10 lakh valid for 5 years for compliance of above specific conditions within 15 days in the prescribed format, otherwise this consent to establish will deem to be automatically revoked.	Submitted to RO, UPPCB Sonbhadra through letter no. 285/Obra C/CE(constn.)/CTE Dated 15.09.2020 (copy already attached in previous report)

(R.K. Agrawal)

Chief General Manager

25/10/24
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