

JRP/Env./2022-23

Date: 21st May 2022

The Director
Ministry of Environment Forest & Climate Change
Govt. of India, Kendriya Paryavaran Bhawan
Link Road No. 3, E-5 Ravi Shankar Nagar
Bhopal – 462016 (MP)

**Sub: Submission of Half Yearly Environmental Clearance Compliance Report for the Period
October'2021 – March'2022 of M/s Jaiprakash Associates Ltd**

Dear Sir,

Please find enclosed herewith the Half Yearly Environmental Clearance Compliance report, in hard and soft copy, for our Captive Power Plant as under:

- **Captive Thermal Power Plant - 25 MW:** EC reference nos. - F-5/7/2003/32 Bhopal Dated 14th August 2003
- **Captive Thermal Power Plant - 38.5 MW:** EC reference nos. - F-5-9/2005/32 Bhopal Dated 27th December 2005

Thanking You

Yours Faithfully
For Jaiprakash Associates Limited

(Authorized Signatory)

CC to:

- 1) **Zonal Officer** - For information please.
Central Pollution Control Board
Shankar Bhawan, 3rd Floor
North T.T Nagar, Bhopal – (M.P.) 462016
- 2) **Member Secretary** - For information please.
Madhya Pradesh Pollution Control Board
Paryavaran Parisar, E – 5, Arera Colony
Bhopal (M.P.) 462016
- 3) **Regional Officer** - For information please.
Madhya Pradesh Pollution Control Board, Rewa
HIG – 190 – 191 Nehru Nagar Rewa (M.P.) 486001

Name of the Project: Captive Thermal Power Plant, Jaypee Rewa Plant, of M/s Jaiprakash Associates Limited for generation capacity of 25 MW electricity at Jaypee Nagar, District Rewa, Madhya Pradesh.

Project Code:

Clearance Letter no. : vide letter no. F – 5 / 7 /2003 / 32 Bhopal Dated 14th August 2003

Period of Compliance Report: October'2021 – March'2022

Conditions

Condition No.	Details of Conditions	Status
1	All the conditions stipulated by the State Pollution Control Board shall be strictly implemented by you.	Noted and agreed.
2	The industry shall provide adequate facility for proper treatment of industrial & domestic effluent and shall ensure that the treated quality meets the standards prescribed by the Board and Notified in the M.P. Gazette dated 25/03/1988. No effluent shall be let out of the factory premises in any circumstances.	Waste water generated is neutralized before reused. Treated water conform the standard stipulated by the Board. Treated water is used for water sprinkling over raw material, sprinkling on roads and plantation purpose. Sewage Treatment Plant (STP) of 1200 KLD installed for domestic waste water treatment at residential colony. Zero discharge status is maintained.
3	Industry shall install suitable air pollution control equipments at all point and non point sources. Adequate and effective pollution control equipment shall be installed for the control of pollution during the handling, transportation of raw materials and fly ash etc. The concentration of pollutants from point sources shall not exceed at any time the following limits: Particulate Matter - 100 mg/Nm ³	Installed efficient ESP at boiler stack and these are always kept in running condition. The stack emission monitored values are well within the MPPCB stipulated standard of 100 mg/Nm ³ . Note: Stack emission monitoring is not carried out for reporting period as CPP was not in operation since March 2020.
4	The minimum height of the stack shall not be less than 30 meters, it shall be kept as per C.P.C.B. guidelines and each stack shall be provided with proper port – hole for stack monitoring.	The height of stack is as per CPCB guidelines. Port hole and platform is already provided for monitoring.
5	The quality of coal used by the industry should conform the standard prescribed by the Central Government/Central or the State Pollution Control Board.	Noted and Agreed.
6	Dust suppression and dust extraction devices shall be installed in the coal handling area to insure the level of dust within prescribed limit.	Installed the dust suppression and dust extraction device in coal handling area.
7	Closed circuit cooling with induced draft cooling tower shall be provided.	Air cooling condensers are installed for cooling of water.
8	The fly ash and bottom ash generated during the process shall be collected in dry form and it shall be 100% be utilized in cement manufacture. Further it needs to be insured that the ash is used in an Environmentally compatible manner and does not pose any environmental hazard. Wet collection of the fly ash is not	All fly ash generated from captive power plant is being transferred pneumatically to cement mill for manufacturing of PPC cement. The bottom ash is also used in cement manufacturing.

	permitted.																																				
9	Workers in the high noise area will be provided with ear protection devices.	Ear muff and ear plugs are provided to workmen working in high noise area for protection. Noise level is being monitored around the plant and the measured values are well within the prescribed limits.																																			
10	Green belt of adequate width with suitably selected species should be maintained all around the power plant and also around the coal handling areas.	Extensive tree plantation in and around the factory premises has been done in consultation with the expert agency. Good housekeeping practices are adopted. Tree plantation is being carried on regular basis.																																			
11	Regular monitoring of the air quality around the power plant may be carried out.	Regular monitoring of Ambient Air Quality & Stack emission is carried out and report submitted to SPCB on monthly basis. Ambient Air Quality, including Ambient Noise level is within the standards prescribed by CPCB and MoEF&CC. Six monthly (October'2021 – March'2022) average monitoring report of AAQ is given below ; <table border="1" data-bbox="829 621 1442 863"> <thead> <tr> <th rowspan="2">Location</th> <th colspan="5">Parameters ($\mu\text{g}/\text{m}^3$)</th> </tr> <tr> <th>PM₁₀</th> <th>PM_{2.5}</th> <th>SO₂</th> <th>NO_x</th> <th>CO</th> </tr> </thead> <tbody> <tr> <td>Near Washing Ramp</td> <td>38-40</td> <td>21-23</td> <td>9-10</td> <td>19-20</td> <td>159-161</td> </tr> <tr> <td>Near Narmada Gate</td> <td>37-40</td> <td>23-25</td> <td>9-11</td> <td>19-20</td> <td>167-181</td> </tr> <tr> <td>Near E-State Office</td> <td>38-40</td> <td>22-25</td> <td>10-11</td> <td>18-19</td> <td>159-167</td> </tr> <tr> <td>Near Bhagirathi Gate</td> <td>35-39</td> <td>22-24</td> <td>9-10</td> <td>20-21</td> <td>154-174</td> </tr> </tbody> </table>	Location	Parameters ($\mu\text{g}/\text{m}^3$)					PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO	Near Washing Ramp	38-40	21-23	9-10	19-20	159-161	Near Narmada Gate	37-40	23-25	9-11	19-20	167-181	Near E-State Office	38-40	22-25	10-11	18-19	159-167	Near Bhagirathi Gate	35-39	22-24	9-10	20-21	154-174
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12	Separate funds should be allocated for the implementation of environment protection measures along with item wise breakup. These cost should be included as part of the project cost. The funds arranged for environment protection measures should not be diverted for other purposes.	Environment protection fund is kept separately for implementation of environment protection works.																																			
13	The above stipulated conditions will be monitored by M.P. Pollution Control Board.	Noted and Agreed.																																			
14	A half yearly report on the status of the implementation of the stipulated conditions and environmental safeguards shall be submitted to this Department.	Half yearly report on the status of the implementation of the stipulated conditions and environmental safeguards shall be submitted on regular basis. The last report is submitted vide our letter no. JRP/Env./2021-22 Date: 23 rd Nov 2021.																																			
15	This environment clearance is valid for a period of 5 years from the date of construction of the project.	Noted and Agreed.																																			
16	An environmental clearance is not transferable. In case of change in the implementing agency, prior permission shall be obtained.	Noted and agreed.																																			
17	The condition stipulated may be varied or other added or the clearance revoked if necessary in the interest of environment protection.	Noted and Agreed.																																			
18	The stipulations will be implemented 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. The public Liability insurance Act. 1991 and the amendments made therein from time to time.	Noted and Agreed																																			