



राजस्थान राज्य प्रदूषण नियंत्रण मण्डल

RAJASTHAN STATE POLLUTION CONTROL BOARD

F.5 (BR-529) RPCB/Gr.II/ 3828

04.15.1.09

Assistant General Manager (Environment & Chemistry)
M/s Raj West Power (P)Ltd.,
308-311, Geetanjali Tower,
Ajmer Road,
Jaipur-302006.

Sub; - **Consent to Establish under the Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 for installation of the proposed 1000 MW lignite based Power Plant at Village Jalipa, Kapurdi Near Village Bothya, District Barmer.**

Ref: I. Industry's applications dated 15/4/2006 for Consent to Establish under Water Act, 1974 & Air Act, 1981, vide letter No. RWPL/Auth/03/87 dt. 23/05/2006 and other related subsequent Correspondence.

II. Environment Clearance dated 20/7/2007 issued by the MoEF, GOI for proposed Thermal Power Plant

Sir,

Subsequent to Environment Clearance granted by Ministry of Environment & Forests, Government of India, (MoEF) vide letter No J-13011/58/2006-IA II(T) dated 20/7/2007 referred above and considering your applications and subsequent correspondence, **Consent to Establish under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981,** as amended till date and rules & order made thereof is granted to M/s Raj West Power (P)Ltd for establishment of 1000 MW (8x125MW) lignite based Thermal Power Plant at Village Jalipa, Kapurdi Near Village Bothvia, District Barmer.

This Consent to Establish is granted subject to the provisions of the said Acts and the rules and the orders that may be made further and based on the information provided in Consent applications, conditions of Environment Clearance & the documents/information thereof with following conditions:

1. That this Consent to Establish shall be valid up to 30/4/2009 or commencement of production, whichever is earlier.
2. That this Consent to Establish is valid for generation of the electricity by installation lignite based Thermal Power Plant of 1000 MW capacity at Village Jalipa, Kapurdi Near Village Bothvia, District Barmer.
3. That the proposed Power Plant shall be established with in the premise of 468 hectare land acquired for this purpose. No extra land in excess of 468 hectare shall be acquired for any activity of project.
4. The reported investment of the project shall be Rs 4804.00 Crores out of which Rs 120.00 Crores shall be for environmental control measures as specified under EC letter dated 20/07/2007.
5. That the industry shall comply with all the conditions (except related to stack emission standard for SPM) imposed by the Ministry of Environment & Forest Govt. of India in Environmental Clearance to your project, issued vide letter no. dated 20/07/2008
6. That the responsibility for performance evaluation of pollution control measures shall be of industry and industry will not commence production unless the satisfactory operation of the Pollution Control Measures is done in presence of Regional Office, Jodhpur and is duly certified by him before commencement of production.
7. The water requirement for the Thermal Power Plant shall not exceed from 35.5 cusec & same shall be obtained from Indira Gandhi Canal at Mohangarh at a distance of 184 Km through Pipe line. No ground water shall be abstracted for any activity of project Pipe line.
8. That the quantity of waste water generation as well as quantity of discharge (outside the premises) of the industry after commencement of the proposed project shall not exceed the following.

S. No.	Type of effluent	Maximum Generation(KLD)	Discharge outside the premises(KLD)
1.	Domestic	600	Nil
2.	Industrial	39271	Nil

9. That the trade/domestic effluent shall be treated before disposal so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 for Thermal Power Plants and general stream standards. The main parameters for regular monitoring shall be as under:

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S.No	Parameters	Limits
Condenser Cooling Water		
1.	pH	Between 6.5 to 8.5
2.	Temperature	Not more then 10 degree C higher than intake water temperature
Boiler Blow Down		
3.	Free available Chlorine	Not to exceed 0.5 mg/l
4.	Total Suspended Solids	Not to exceed 100mg/l
5.	Oil and Grease	Not to exceed 10mg/l
6.	Copper (total)	Not to exceed 1.0 mg/l
7.	Iron (total)	Not to exceed 1.0 mg/l
Cooling Tower Blow Down		
8.	Free available Chlorine	Not to exceed 0.5 mg/l
9.	Zinc(as ZN)	Not to exceed 1.0 mg/l
10.	Chromium (total)	Not exceed 0.2 mg/l
11.	Phosphate	Not exceed 5.0 mg/l
Ash pond effluent		
12.	pH	Between 6.5 to 8.5
13.	Total Suspended Solids	Not to exceed 100mg/l
14.	Oil and Grease	Not to exceed 20mg/l

10. That the entire treated effluent shall be reused recycled in ash handling system, lignite handling system, dust suppression & plant washing & gardening services. No trade effluent shall be discharged out side the premises & zero discharge status shall be maintained.
11. That the industry shall implement adequate measures for control of fugitive emissions likely to be caused by handling, storage of fuel, fly ash, Lignite so as to comply with the ambient air quality standards.
12. That industry shall install stack of 122 meters height (from ground level) with ESP for control of emission and continuous on line monitoring system
13. That the industry shall achieve the following standards for ambient air quality for industry's premises

Pollutant	Ambient Air
SPM	500 $\mu\text{g}/\text{m}^3$
Respirable Particulate Matter(RPM)	150 $\mu\text{g}/\text{m}^3$
SO ₂	120 $\mu\text{g}/\text{m}^3$
NO _x	120 $\mu\text{g}/\text{m}^3$
CO	5000 $\mu\text{g}/\text{m}^3$

14. That the industry will in installed adequate Air Pollution Control measures to achieve an ^{stack} emission standard of 50 mg/NM³ of SPM within a period of 6 month from the date of commissioning. Till such time emission standard of 100 mg/NM^{3*} will be complied with
15. That continuous ambient air quality monitoring stations for SPM, SO₂ & NO_x will be installed. Number of stations & their location shall be finished in consultation with R.O. Jodhpur.
16. The sulphur content in the lignite used will not exceed 2% in any circumstances
17. That the domestic waste water generated from the industry shall be treated through sewage treatment plant STP and treated water shall be reused for plantation.
18. That the industry shall comply with guidelines/directions received from CPCB regarding Corporate Responsibility for Environment Protection (CREP) in respect of Thermal Power Plant.
19. That the Industry management shall comply with Government of India Notification no 8.0763 (E) dated 14/9/1999 as amended relating to fly ash management and provide relevant details to the Board as well as MoEF, Government of India.
20. That the complete fly ash generated from the Power Plant shall be utilized in cement manufacturing units.
21. That industry shall provide the necessary infrastructural facilities for the monitoring of emission at the stacks of the plant besides at least four ambient air quality monitoring stations shall be installed in consultation with R.O. Jodhpur, at the periphery of industrial premises and monitoring shall be carried out at least twice a week at each station to ensure the compliance of standards as specified in the condition no. 14

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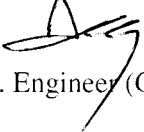
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22. Sample of treated industrial effluent shall be collected once in a month on any fixed working day of normal production and shall be analyzed for all the parameters in respect of which limits have been fixed vide condition no. 9 stated above. Report of analysis shall be as per IS: 4733 and IS 2433 or methods approved by Board as the case may be for domestic and industrial effluent.
23. That the industry shall ensure that the noise from the unit does not exceed the prescribed noise standards for the industrial area i.e. 75 dB(A) Leq during the day time and 70 dB(A) Leq during the night time to meet the prescribed ambient noise standards. The day time is reckoned in between 6 AM and 9 PM and the night time is reckoned between 9 PM and 6 AM.
24. That the power supply to the production shall be so interlocked with the pollution control equipments that in the event of none functioning of the pollution control equipment, the production process stops automatically
25. **That the management shall comply with the provisions of Hazardous Waste (Management & Handling) Rules, 1989 and Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 (amended up to date) as notified under Environment (Protection) Act, 1986**
26. That 33% of the total area of factory premises shall be covered by the tree plantations.
27. That notwithstanding anything contained in this conditional letter of consent to operate, the State Board hereby reserves to it the right and power under section 37(2) of the Water (Prevention & Control of Pollution) Act-1974 to review anyone/ or all the condition imposed herein above and to make such variation as deemed fit for the purpose of the Act by the State Board.
28. The industry shall comply with the Water (Prevention & Control of Pollution) Cess Act, 1977 and deposit the cess as per norms.

Please note that non-compliance of any of the above stated conditions would tantamount to revocation/withdrawal of this Consent to Establish and the industry shall be liable for prosecution under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air(Prevention & Control of Pollution) Act, 1981.

This bears the approval of competent authority

Yours Faithfully,


Sr. Env. Engineer (Gr.II)

F.5 (BR-529)RPCB/Gr.II/

Copy to forward to following for information and necessary action:-

1. Sr. P.A to Chairperson, RPCB, Jaipur
2. Sr. P.A to Member Secretary, RPCB, Jaipur
3. Regional Officer, RPCB, Jodhpur to monitor to consent conditions and report accordingly.
4. Consent Register, Gr.II. RPCB, Jaipur
5. Incharge NIC, RPCB, Jaipur

Sr. Env. Engineer (Gr.II)