



Head Office (HDF)

Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302 004
Phone: 0141-5159600,5159695 Fax: 0141-5159697



Registered

File No : F(HDF)/Baran(Atru)/1(1)/2016-2017/1863-1865

Order No : 2019-2020/HDF/2773

Date: 09/08/2019

Unit Id : 16513

M/s Adani Power Rajasthan Ltd.,

village- Kawai , Tehsil:Atru

District:Baran

Sub: Consent to Operate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(4) of Air (Prevention & Control of Pollution) Act, 1981.

Ref: Your application for Consent to Operate dated 30/10/2018 and subsequent correspondence.

Sir,

Consent to Operate under the provisions of section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 (hereinafter to be referred as the Water Act) and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, (hereinafter to be referred as the Air Act) as amended to date and rules & the orders issued thereunder **is hereby granted** for your **Adani Power Rajasthan Limited plant** situated at **Village - Kawai, Kawai Tehsil:Atru District:Baran** , Rajasthan, subject to the following conditions:-

- 1 That this Consent to Operate is valid for a period from **01/03/2019** to **29/02/2024** .
- 2 That this Consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below.

Particular	Type	Quantity with Unit
POWER	Product	1,320.00 MW

- 3 That this consent to operate is for existing plant, process & capacity and separate consent to establish/operate is required to be taken for any addition / modification / alteration in process or change in capacity or change in fuel.
- 4 That the quantity of effluent generation along with mode of disposal for the treated effluent shall be as under:



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Type of effluent	Max. effluent generation (KLD)	Recycled Qty of Effluent (KLD)	Disposed Qty of effluent (KLD) and mode of disposal
Domestic Sewage	96.000	NIL	96.000 Green Belt Development
Trade Effluent	11952.000	11,952.000	NIL Ash Quenching and Dust Supression

- 5 That the sources of air emissions along with pollution control measures and the emission standards for the prescribed parameters shall be as under:

Sources of Air Emissions	Pollution Control Measures	Prescribed	
		Parameter	Standard
BOILERS (2 Nos.)(660MW EACH)	ADEQUATE STACK HEIGHT , COMMON STACK , ELECTROSTATIC PRECIPITATOR	SO ₂ Particulate Matter NO _x Hg and its compounds	200 mg/Nm ³ 50 mg/Nm ³ 300 mg/Nm ³ 0.03 mg/Nm ³

D.G. Sets (3 nos.)(1500KVA EACH)

ACOUSTIC ENCLOSURE , ADEQUATE STACK HEIGHT

NO_x (as NO₂)
(at 15% O₂)
day basis in
ppmv
710 mg/Nm³



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	NMHC (as C) (at 15% O ₂)	100 mg/Nm ³
	PM (at 15% O ₂)	75 mg/Nm ³
	CO (at 15% O ₂)	150 mg/Nm ³

- 6 That the **Adani Power Rajasthan Limited plant** will comply with the standards as prescribed vide MOEF notification No. GSR 826(E) dated 16th November, 2009 with respect to National Ambient Air Quality Standards.
- 7 That the domestic sewage shall be treated before disposal so as to conform to the standards prescribed under the Environment (Protection) Act-1986 for disposal **Into Inland Surface Water**. The main parameters for regular monitoring shall be as under.

Parameters	Standards
Total Suspended Solids	Not to exceed 100 mg/l
pH Value	Between 5.5 to 9.0
Oil and Grease	Not to exceed 10 mg/l
Total Residual Chlorine	Not to exceed 1.0 mg/l
Biochemical Oxygen Demand (3 days at 27°C)	Not to exceed 30 mg/l
Sulphide (as S)	Not to exceed 2.0 mg/l
Chlorides	Not to exceed 1000 mg/l
Chemical Oxygen Demand	Not to exceed 250 mg/l

- 8 That the trade effluent shall be treated before disposal so as to conform to the standards prescribed under the Environment (Protection) Act-1986 for disposal **Into Inland Surface Water**. The main parameters for regular monitoring shall be as under



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Parameters	Standards
Total Suspended Solids	Not to exceed 100 mg/l
Temperature	shall not exceed 5°C above the receiving water temperature
Phosphate	Not to exceed 5 mg/l
Free Available Chlorine	Not to exceed 0.5 mg/l
pH Value	Between 6.5 to 8.5
Oil and Grease	Not to exceed 20 mg/l
Copper as Cu)	Not to exceed 1.0 mg/l
Zinc (as Zn)	Not to exceed 1.0 mg/l
Total Chromium (as Cr)	Not to exceed 0.2 mg/l
Iron (as Fe)	Not to exceed 1.0 mg/l

- 9 That this consent to operate is being granted for 2 x 660 MW super-critical coal based thermal power plant.
- 10 That the industry shall comply with all the conditions of Environment Clearance issued by MoEF, Government of India vide its office letter no. F. No. J-13012/154/2008-IA II (T) dated 04/05/2011 and J-13012/154/2008-IA II (T) dated 13/03/2014.
- 11 That the Charter of Corporate Responsibility for Environment Protection specified for Power Plants shall be complied.
- 12 No ground water shall be extracted without the prior permission from the MoEF & CC and the Central Ground Water Authority.
- 13 That the industry shall comply with all emission standards prescribed for Thermal Power Plant under the Environment (Protection) Rules, 1986.
- 14 That on-line ambient air quality monitoring stations shall be operated and maintained. The monitoring results shall be submitted to the R.O. or online to the Board.
- 15 That the industry shall maintain continuous online monitoring system and transmit data on servers of RPCB and CPCB for emission and effluent



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- 16 That the industry shall provide & maintain adequate dust collection and extraction system to control fugitive dust emission at coal crusher and coal transfer points.
- 17 That no industrial effluent will be discharged outside the factory premises and the effluent generated from captive power plant shall be used for ash quenching.
- 18 That total fresh water requirement of 34.0 MCM/annum shall be sourced from Parvan major irrigation project for the entire project. The water consumption shall not be increased without prior permission from the State Board, and competent authorities. Further, the industry shall comply with water consumption limit as specified in the Notification dated 07/12/2015 issued by the Ministry of Environment, Forest and Climate Change (MoEF&CC).
- 19 That suitable flow measuring devices /meters on the intake source of water, inlet and outlet of effluent treatment/ sewage treatment plant shall be installed and maintained. Daily record of water consumption, effluent generation and its treatment and utilisation shall be maintained.
- 20 That the domestic effluent shall be treated upto prescribed standards and shall be used for plantation/ green belt development within or outside of the premises.
- 21 That the industry shall under take suitable measures for rain water harvesting for artificial recharge of ground water.
- 22 That the Ministry of Environment and Forest, Govt. of India, Notification dated 14/09/1999 (amended till date) related to the fly ash management, shall be complied and provide the relevant details to the State Board and the Ministry of Environment and Forest, Govt. of India.
- 23 That the industry shall comply with the standards as prescribed vide MoEF notification no. GSR 826(E) dated 16.11.2009 with respect to National Ambient Air Quality.
- 24 That the unit shall ensure compliance of ambient air quality standards in respect of noise as prescribed under the Environment (Protection) Act and Rules made therein.
- 25 That the industry shall comply with Office Memorandum dated 26.08.2015 issued by MoEF&CC regarding protocol for sampling, analysis of coal and reporting compliance in respect of implementation of the Gazette Notification on use and supply of raw or blended or beneficiated coal with ash content not exceeding 34% ash content in coal based thermal power plants.
- 26 That the industry shall ensure compliance of Directions issued by CPCB vide letter dated 11/12/2017.
- 27 That the infrastructure facilities for monitoring stacks of D.G. Sets shall be provided.



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28 That, notwithstanding anything provided hereinabove, the State Board shall have power and reserves its right, as contained **under section 27(2) of the Water Act and under section 21(6) of the Air Act** to review anyone or all the conditions imposed here in above and to make such variation as it deemed fit for the purpose of **Air Act & Water Act**.

29 That the grant of this **Consent to Operate** is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ project proponent.

30 That the grant of this **Consent to Operate** shall not, in any way, adversely affect or jeopardize the legal proceeding, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.

This **Consent to Operate** shall also be subject, besides the aforesaid specific conditions, to the general conditions given in the enclosed Annexure. The project proponent will comply with the provisions of the **Water Act and Air Act** and to such other conditions as may, from time to time , be specified, by the State Board under the provisions of the aforesaid Act(s). Please note that, non compliance of any of the above stated conditions would tantamount to revocation of **Consent to Operate** and project proponent / occupier shall be liable for legal action under the relevant provisions of the said Act(s).

This bears the approval of the competent authority.

Yours Sincerely

Group Incharge[HDF]

Copy To:-

- 1 Regional Officer, Regional Office, Rajasthan State Pollution Control Board, Kota.
- 2 Master File.

Group Incharge[HDF]