

**Application on Form-I for 4 X 60 MW Captive Coal Based Thermal Power Plant and 1.0 MTPA Cement Grinding Unit at Village Churk, Robertganj Taluk, Sonebhadra Distt. Uttar Pradesh - UNDER THE PROVISIONS OF MOEF&CC NOTIFICATION S.O.804 (E) DATED 14<sup>TH</sup> MARCH, 2017**

**BRIEF SUMMARY**

**BACKGROUND OF THE PROJECT:**

The erstwhile Uttar Pradesh State Cement Corporation Ltd. (UPSCCL), a Government of Uttar Pradesh Enterprise, owned and were operating three units, at Dalla, Chunar & Churk in Uttar Pradesh. Due to economic feasibility reasons, the company was declared sick and went under BIFR. The plant were shutdown in the year 1999. The Hon'ble High Court of Judicature at Allahabad, Uttar Pradesh, to facilitate revival of these units, ordered liquidation of assets of UPSCCL through competitive bidding and Jaiprakash Associates Ltd. was awarded, being the highest and successful bidder in the year 2006.

Jaiprakash Associates Ltd. (JAL) took initiative for revival of the above mentioned Units by replacement and up-gradation of Plant at Dalla, Chunar and Churk locations.

JAL had implemented the subject project by setting up the 3 X 60 MW Captive Coal Based Thermal Power Plant and started construction of 1.0 MTPA Cement Grinding Unit upon receiving the Environmental Clearance for 4 X 60 MW Captive Coal Based Thermal Power Plant and 1.0 MTPA Cement Grinding Unit by Ministry of Environment & Forests vide its Ref. No. J-13012/106/2009- IA.II (T) dated 18.12.2012.

The NOC was obtained from UPPCB vide its letter ref. No. F 14624/C-9/NOC -99/17/12 dated 27.12.12 to establish Captive Power Plant and Cement Grinding Unit and Consent to Operate for Captive Power Plant vide its letter ref. No F 34703/C-9/Air Pollution/140/13 dated 30.12.2013 and letter ref. No. F 34702/C-9/Water Pollution/11/2013 dated 30.12.2013.

**PURPOSE OF RESUBMISSION:**

The project was considered for Environmental Clearance before the EAC (Thermal & Coal Mining) meeting held on 3-4, September, 2012. During the meeting Hon'ble committee noticed that JAL had gone ahead with the construction activities at site without mandatory environmental clearance and had referred the proposal to Impact Assessment Division of the Ministry to take necessary action in view of reported violation.

JAL had submitted all clarifications sought during the said EAC meeting, to MoEF vide our Letter Ref. No. 01.10.2012 along with the copy of resolution passed by the Board of Directors of JAL during its meeting held on 27th September, 2012 for not taking any construction activities at the project site till Environmental Clearance is granted by MoEF. It was also mentioned in the submission to MoEF that Uttar Pradesh Pollution Control Board had filed a petition in the Court of Chief Judicial Magistrate of Sonbhadra on 27th September, 2012 under ref. Misc. Case No. 761/2012, Under Section 15 of the Environment Protection Act, 1986.

Subsequently, the project again considered for Environmental Clearance before the EAC (Thermal & Coal Mining) meeting held on 8-9 October, 2012. After detailed discussion, based on the information and clarifications provided, the Hon'ble committee recommended environmental clearance to the project. Environmental Clearance was issued by MoEF vide its letter Ref. No. J-13012/106/2009- IA.II (T) dated 18.12.2012.

Now, present application is submitted under the provision of MoEF&CC Gazette Notification S.O.804 ( E) dated 14th March, 2017 as it is a violation case due to start of construction and installation work without requisite prior Environmental Clearance as per the provision of the EIA Notification, 2006 notified under Environment (Protection) Act, 1986.

**VIOLATION DETAILS :**

Jaiprakash Associates Ltd. had started partial construction activities, after Public Hearing conducted by UPPCB on 02.06.2010 for the subject project, in terms of carrying out pre-project activities and building the infrastructure facilities and also taken up construction/installation of certain Plant structures. However, all construction activities were suspended in August, 2011 and restarted after obtaining Environmental Clearance from MoEF dated 18.12.2012 followed by NOC from UPPCB dated 27.12.12.

**PROJECT DETAILS:**

JAL is operating a 3 X 60 MW Captive Coal Based Thermal Power Plant and started construction of 1.0 MTPA Cement Grinding Unit at Village Churk, Robertganj Taluk, Sonbhadra Distt. Uttar Pradesh. The land in the plant site is plain with a general elevation of about 300 m above MSL. The area is located between Latitude: 24° 38' 08" to 24° 38' 29" N and Longitude: 83° 05' 54" to 83° 06' 18" E. The site is about 4.3 km away from the nearest state highway SH-5. The nearest railway station is Churk at a distance of 1.5 km. The nearest airport at Varanasi is about 85 km.

The plant area is at a distance of 1.8 km, SW from Ghaghar nadi, 2.6 km, ENE from Ghaghar canal, 6.3 km, SE from Ghaghar reservoir, 11.8 km, SSW from Son river. Project is located at a distance of 1.5 km from boundary of Kaimur Wildlife Sanctuary and 0.5 km from boundary of ESZ of Kaimur Wildlife Sanctuary.

Total area required to set up integrated plant is 60 ha, within the existing Cement Plant Site (old & not in operation). The land use for the plant site is under industrial category. Water requirement for the project is about 5513 m<sup>3</sup>/day. Permission for withdrawal of 4.95 cusecs of water from Ghaggar Barrage by Chief Secretary., GoUP vide letter no: 3187/10-27-Irr-4-41 (W) /10, dt: 26/07/2010 and by Irrigation Dept. GoUP vide letter no. 4174/10-27-Irr-4.41(W)-10, dt: 13/09/2010. Alternatively, permission for withdrawal of 2.0 cusec of water from Shahganj Rajwaha canal from Irrigation Deptt., Govt. of UP vide letter ref. No. CFM/CE-39III/52-3028 dated Churk, 2nd April, 1955 is also in place.

The power requirement of the cement grinding unit will be about 8 MVA. The power will be sourced from existing CPP. Auxiliary Power required for operation of CPP is available from its own generation.

The basic raw material required for Integrated project are given in Table.

<b>Description</b>	<b>Quantity</b>	<b>Source</b>
<b>Cement Grinding Unit</b>		
a. Clinker	0.70 MTPA (Max.)	Jaypee Rewa Plant
b. Gypsum	0.05 MTPA (Max.)	From Rajasthan/Imported
c. Flyash	0.35 MTPA (Max.)	In house CPP
<b>Captive Power Plant</b>		
Indigenous Coal	2.0 MTPA	E. Auction
Imported Coal	1.5 MTPA	Supplies from Adani Enterprises Limited

#### Manpower

Temporary influx of about 1000 during the construction stage. In operational stage about 250 personnel will be regularly employed. Direct employment to 800 persons and indirect employment to over 3000 persons.

## Greenbelt

Greenbelt including green cover is proposed to develop in an area of about 20.173 ha out of 60 Ha. area allocated for integrated plant. Green belt development activities are started in the plant premises & township at Churk.

## Pollution Control:

Two Stacks of 130 m height have been constructed for existing CPP. Online Continuous Emission Monitoring System (CEMS) for continuous monitoring of SO<sub>x</sub>, NO<sub>x</sub> & Particulate Matter have also been installed at the stacks.

High Efficiency Electrostatic Precipitators (ESPs) are installed at the stacks. The Electrostatic Precipitators (ESPs) are designed to achieve particulate emissions below 50 mg/Nm<sup>3</sup>.

Opacity meter has already been installed at the Stacks for online Continuous Monitoring of Particulate Matter. CAAQMS has also been installed for ambient air quality monitoring at the Unit. Cement grinding unit yet to be commissioned. Bag House will be installed to control emissions, as per prescribed norms, in Cement Grinding Unit.