

GOVERNMENT OF INDIA  
Ministry of Environment and Forests  
(Regional Office, Southern Zone)  
Bangalore-34  
MONITORING REPORT  
PART I

F. No. EP/12.1/278 /Karnataka

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|---|---|---|
| 1 | Name of the projects                                | 2x800 MW coal based Thermal power plant at Yermarus near Vadloor, Raichur M/s Karnataka Power Corporation Ltd (KPCL)  |
| 2 | Clearance letter No.& date                          | No.J-13012/13/2008-IA II (T) dt. 17.11.2009   |
| 3 | Location: District & State / UT                     | Yermarus near Vadloor, Raichur District   |
| 4 | Address for correspondence:                         | Mr. K. V. V. Chalapathi, Chief Engineer(Elect)RPCL<br>Office of the Chief Engineer,<br>YTPS-RPCL, TYPE-III-25, KPC Colony,<br>opp KPCL Hospital, Shaktinagar – 584 170.<br>Dist : Raichur ( Karnataka )<br>PH.No:08532246325 Fax:No:08532246001<br>Cell: 9480830561/9480830562, |
| 5 | Date of site visit for this report                  | 28-11-2012  |
| 6 | Date of previous visit(s) if any                    | Nil   |
| 7 | Brief on the project along with the present status: |   |

Site visit to this upcoming power plant was carried out along with Mr Chalapathi, Chief Engineer (Elect) and other officers of Raichur Power Corporation Ltd.

Raichur Power Corporation Ltd is a Joint venture company of Karnataka Power Corporation Ltd, M/s Bharat Heavy Electricals Ltd and IFCI for the setting up 2x800MW Thermal Power Station at Yermarus, Chikkasugur Industrial area near Raichur. For this project civil foundation, TG draft concreting has been completed for main plant and column erection is under progress now. This 2x800 Thermal Power Station is proposed with an annual Generation capacity of 11913MU @85%PLF is being constructed at an estimated cost of Rs 9015 Crores and the scheduled date of commissioning date is 2014. The project authorities informed that they have achieved financial Closure for this project on 09.11.2011, the date of starting the land development works is 09-04-2010.

Land acquisition for this project is being carried out in three stages. In the first stage, in villages Chikkasugur, Yegnur, 825 acres is acquired by KIADB and handed over to the project authorities on 18.01.2010. In the II stage at Yegnur for 166 acres 28(4) Notification is being issued for land

acquisition and for the stage III proposal is sent to Government for the acquisition of 152 acres at Heggasanahalli, Chikkasugur, Yegnur, Kuknoor, Deosugur villages.

Now the Major constructions works are going on at site; the BTP package is being carried out by M/s BHEL, PSSR, Chennai. Coal & Ash Handling is being carried out by M/s BHEL, ISG, Bangalore. The Chimney works are handled by M/s Gannan Dunkerley & Co Hyderabad and the Safety and Security is by Syastem.

The environmental clearances for this project was issued by the Ministry vide reference No. J-13012/13/2008-IA II (T) dt. 17.11.2009.

The project authorities have already taken necessary actions to implement the time bound conditions mentioned in the environmental clearance which are given in this report:

1. The project authorities have submitted a revised layout plan leaving 500 meter from SH 13. It was assured that the left out area will be developed as a Green belt with native Trees having bigger canopy in addition to the green belt to be developed in the plant area.
2. Copies of the Water allocation for the Project from Water Resources Department, Government of Karnataka has been submitted to MoEF, New Delhi, with a copy to Regional Office, MoEF, Bangalore, vide their letter No CE(EI &TA) / YTPS /ENV/1773/ dated 22-12-2009. Water resources department GOK has allotted 2.34 TMC of water from Krishna River based on the earlier proposal of 2x500 Yarmarus and 1x500 Edlapur Power Stations vide letter dt 18.07.2007. Subsequently on enhancement of Capacity of the Power Plant to 800MW, GOK has allotted 3.6 TMC of water as per the Govt. Order No WRD 12 WBM 2008 dt 23/10/2009.
3. Details of CSR activities to be under taken considering budgetary provision as per stipulated condition has been prepared and submitted to MoEF, New Delhi, with a copy to Regional Office, MoEF, Bangalore vide their letter No CE(EI &TA) / YTPS /ENV/1773/ on dated 22-12-2009.
4. Health survey has been carried out by the project authorities as per stipulated conditions in the study area of 10 Km radius around the Plant and a copy of the report is submitted to the regional office.
5. In order to determine any leaching effect from the ash pond and also impact on the river, water samples from various locations around the plant and ash pond area were collected and tested for heavy metals and are within the limits, so far leaching of elements present in ash is not found in any of the nearby water sources. (ash pond is same for both RTPS and proposed YTPS)
6. For conducting a study to investigate the heavy metal content in the agriculture crops/vegetation residue in the impact zone of the plant, it was informed that the project authorities have addressed a letter to the Vice Chancellor, University of Agricultural sciences, Raichur for conducting studies on impact on agricultural crops due to operation of thermal plant including impact due to heavy metals associated with emission from power plant. It was assured that this issue will be pursued and the report will be sent separately.

7. The project authorities have requested the Ministry to provide the scope of the works for conducting a Thermal temperature study through NRSA and it was told that the study through NRSA will be taken up after receipt of the requisite scope of work from MoEF.
8. Long term Coal linkage application for allotment of 11.0 MTPA of coal for 2x800MW has been submitted to standing linkage committee on 03.04.2009. All the required details regarding Pre-qualification and for fixing inter-se-priority of proposed Thermal projects during 12<sup>th</sup> plan period have been furnished to CEA vide their letter dt 30.12.2011. The Ministry of coal has been requested for allotment of Coal blocks to meet the requirement of Yermarus and Edlapur projects.
9. The project authorities have already advertised in news papers about the clearance and the copies are submitted to MoEF New Delhi with a copy to Regional Office, MoEF , Bangalore vide their letter No. CE (EI &TA) YTPS/ ENV/ 1773/ on 22-12-2009.
10. Project related documents are already submitted to MoEF, New Delhi and also been sent to Regional office Bangalore vide their letter No. CE (EI &TA) / YTPS/1631/ dated 03-12-2009. It was assured that additional information and six monthly reports will be sent to Regional Office Bangalore from time to time and status of Compliance will be published and updated from time to time in their Web site.
11. The project authorities are conducting safety meetings on the first week of every month involving Main Contractor, Sub contractors, with their Designated Safety Officers, discuss on record of incidents, reasons and precautions for future. A First Aid Centre has been established at site with a visiting doctor and an attendant throughout. One Ambulance is provided for service. RTPS hospital is being utilized for any causality.
12. Private Security has been provided for monitoring Men, materials, vehicles. Record movements etc., Identity Card has been issued to all the Contract laborers, Supervisors, Contractor staff etc with due updating of records of new entries. Tender is under process for widening the security as the construction work progresses.

After the field visit and perusal of the documents provided by the project authorities, it appears that the project authorities are putting in their sincere effort to implement all the conditions of the environmental clearance and thus the compliance status of the project so far is rated satisfactory. Since the project construction is in the initial stages of construction detailed point wise compliance is not given in this report.



(Dr U. Sridharan)  
Scientist "SF"