

No. J-13012/24/2009-IA.II(T)  
Government of India  
Ministry of Environment & Forests

Paryavaran Bhavan,  
C.G.O. Complex, Lodi Road,  
New Delhi-110003.

Dated the 2<sup>nd</sup> June, 2009

To  
M/s Suryachakra Thermal Energy (Andhra) Pvt. Ltd.  
Plot No. 1115, Road No. 54, Jubilee Hills  
Hyderabad- 500 033

**2X70 MW coal based TPP near Jharupudi village, Srikakulam district Andhra Pradesh by M/s Suryachakra Thermal Energy (Andhra) Pvt. Ltd - Prescribing of TOR Regarding.**

The undersigned is directed to refer to your communication no. Nil dated 10<sup>th</sup> March, 2009 regarding the subject mentioned above.

2. The proposal is for setting up a 2X70 MW coal based TPP near Jharupudi village, Srikakulam district Andhra Pradesh. The project boundary falls within 10 km radius from the Orissa State, therefore, project becomes 'A' category project. Land requirement for the project 140 acres. Sea water will be used from Bay of Bengal. The project will be based on CFBC technology. The coal requirement will be 0.55 MTPA (85% PLF). Coal will be blended in the ratio of 70% imported coal and 30% indigenous coal. Imported coal will be transported through Vishakhapatnam Port and from port to project site by rail. Telkunchi Bird Sanctuary is at 11.4 km (NNE).

3. The Expert Appraisal Committee for environmental appraisal of Thermal Power and Coal Mine projects considered the project during its meeting held on April 15-16, 2009. Based on the consideration of the documents submitted and the presentation made by the project proponent, the Committee prescribed the following Terms of Reference (TORs) for preparing draft EIA report for the above mentioned project:

- (i) Coordinates of the plant site along with demarcation of distance from project boundary to Orissa State boundary on the toposheet.
- (ii) The study area should cover an area of 10 km radius around the proposed site.
- (iii) Land use of the study area as well as the project area shall be given.
- (iv) Location of any National Park, Sanctuary, Elephant / Tiger Reserve (existing as well as proposed), migratory routes, if any, within 15 km of the project site shall be specified and marked on the map.

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- (v) Land requirement for the project to be optimized. The activity wise break up of land requirement including greenbelt to be given. Details of the total land available with the company and its present utilization should be given.
- (vi) Topography of the area should be given clearly indicating whether the site requires any filling. If so, details of filling, quantity of fill material required, its source, transportation etc. should be given.
- (vii) Impact on drainage of the area and the surroundings.
- (viii) Information regarding surface hydrology and water regime.
- (ix) One season site-specific meteorological data shall be provided.
- (x) One season AAQ data (except monsoon) to be given. The monitoring stations should take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- (xi) Impact of the project on the AAQ of the area. Details of the model used and the input data used for modeling should also be provided. The air quality contours may be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. The wind roses may also be shown on this map.
- (xii) Fuel analysis to be provided.
- (xiii) Quantity of fuel required, its source and transportation. Copy of coal linkage and imported coal supply agreement /commitment to be provided.
- (xiv) Water requirement should be optimized. Source of water and its availability. Commitment regarding availability of requisite quantity of water from the competent authority.
- (xv) Details of rainwater harvesting and how it will be used in the plant.
- (xvi) Examine the feasibility of zero discharge. In case of any proposed discharge, its quantity, quality and point of discharge, users downstream etc. should be provided.
- (xvii) Optimization of COC for water conservation. Other water conservation measures proposed in the project should also be given.
- (xviii) Details of water balance taking into account reuse and re-circulation of effluents.
- (xix) Details of greenbelt i.e. land with not less than 1500 trees per ha giving details of species, width of plantation, planning schedule etc.
- (xx) Details of flora and fauna duly authenticated should be provided. In case of any scheduled fauna, conservation plan should be provided. Distance of Telkunchi Bird Sanctuary from the project boundary duly demarcated on a map and authenticated by State Wildlife Department should be provided.
- (xxi) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- (xxii) Public hearing points raised and commitment of the project proponent on the same.

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- (xxiii) Details of activities to be taken up in and around the project area under Corporate Social Responsibility (CSR) with budgetary allocation.
- (xxiv) Measures of socio economic influence to the local community proposed to be provided by project proponent. As far as possible, quantitative dimension to be given.
- (xxv) Impact of the project on local infrastructure of the area such as road network and whether any additional infrastructure would need to be constructed and the agency responsible for the same with time frame.
- (xxvi) EMP to mitigate the adverse impacts due to the project. Risk assessment to be undertaken. Based on the same, proposed safeguard measures should be provided.
- (xxvii) Any litigation pending against the project and /or any direction /order passed by any Court of Law against the project, if so, details thereof.

Besides, the above the following general points will be followed:-

- a) All documents to be properly referenced with index, page numbers and continuous page numbering.
- b) Where data is presented in the report especially in table, the period in which the data was collected and the source should invariably be indicated.
- c) Where the documents provided are in a language other than English, an English translation should be provided.

In addition to the above, information on the following may also be incorporated in the EIA report.

Is the project intended to have CDM-intent?

If not, then why?

If yes, then

- (a) Has PIN (Project Idea Note) (or PCN (Project Concept Note)) submitted to the ?NCA? (National CDM Authority) in the MoEF?
- (b) If not, then by when is that expected?
- (c) Has PDD (Project Design Document) been prepared?
- (d) What is the ?Carbon intensity? from your electricity generation projected (i.e. CO2 Tons/MWH or Kg/KWH)
- (e) Amount of CO<sub>2</sub> in Tons/year expected to be reduced from the baseline data available on the CEA?s web-site ([www.cea.nic.in](http://www.cea.nic.in))

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2. Notwithstanding 1(i) above, data on (d) & (e) above to be worked out and reported.

It is requested that the detailed EIA report may be prepared in accordance with the above-mentioned TORs and thereafter further necessary action including conduct of public consultation may be taken for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.

(LALIT KAPUR)  
DIRECTOR

Copy to:-

1. The Principal Secretary, Department of Environment, Science & Technology, Government of Andhra Pradesh, Sectt. Building, Hyderabad-500 022.
2. The Chairman, Andhra Pradesh Pollution Control Board, A-3, Industrial Estate, Sanathnagar, Hyderabad-500 018
3. The Chief Conservator of Forests, Southern Regional Office, Ministry of Environment & Forests, Kendriya Sadan, 4th Floor, E&F Wings, 17<sup>th</sup> Main Road, Block, Koramangla, Bangalore- 560 034, Karnataka
4. Guard file.

(LALIT KAPUR)  
DIRECTOR