

J-13012/44/2008 - IA. II (T)  
Government of India  
Ministry of Environment & Forests

Tel no: 011- 24363973  
Paryavaran Bhavan, C.G.O. Complex,  
Lodi Road, New Delhi -110003.  
Dated: 24.01.2012

**OFFICE ORDER**

**Sub: 6x600 MW Coal Based Thermal Power Plant at village Nariyara, in Janjgir-Champa, in Chhattisgarh - reg. Amendment of Environmental Clearance.**

Sir,

This has reference to your letter no. MOE&F,ND/AGRY/1500101/2342, dated 17.08.2011 requesting for amendment in the environmental clearance accorded by this Ministry vide its letter of even no. dated 19.10.2009.

2. The matter was placed before the Expert Appraisal Committee (Thermal Power) in its 34<sup>th</sup> Meeting held during October 10-11, 2011. The Committee has recommended for operation of **3x600 MW** Coal Based Thermal Power Plant based on tapering cola linkage through SECL till M/s GMDC commence their mine operations.

3. The Ministry accepts the recommendation of the Expert Appraisal Committee (Thermal Power) and the following changes as mentioned under shall be made in this Ministry's letter of even no. dated 19.10.2009.

a) At para no. 2, in the 11<sup>th</sup> to 15<sup>th</sup> line, after the sentence 'For coal, a copy of Coal Supply and Investment Agreement between M/S KSK Energy Ventures Private Ltd. / Wardha Power Company Ltd. and Gujarat Mineral Development Corporation has been provided by the PP', the following sentence shall be added:

The first three units i.e 1800 MW of the power plant shall be commence operation with the tapering linkage allocated by the South Eastern Coalfields Ltd. until the coal block becomes operational.

b) After clause no. (xxxix), under para no.3, the following shall be added:

(xxxix) The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearance issued vide this Ministry's letter of even no. dated 19.10.2009, in its website and updated

periodically. The same shall also be simultaneously send by e-mail to the concerned Regional Office of the Ministry of Environment and Forests.

xxxii) Criteria pollutants levels including NO<sub>x</sub>, RSPM (PM<sub>10</sub> & PM<sub>2.5</sub>), SO<sub>x</sub> (from stack & ambient air) shall be regularly monitored and results displayed in your website and also at the main gate of the power plant.

4. All other conditions mentioned in this Ministry's aforesaid letter of even no. 19.10.2009 shall remain the same.

This issues with the approval of the Competent Authority.

Yours faithfully,

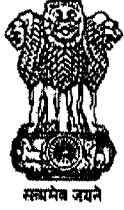
  
(Dr. P.L. Ahujarai)  
Scientist 'F'

M/s KSK Mahanadi Power Company Ltd.  
8-2-293/82/A/431/A,  
Road no. 22, Jubilee Hills,  
**Hyderabad- 500 033.**

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary (Environment), Environment Department, Government of Chhattisgarh, Raipur.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, State Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh - 421 001
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
6. The Chief Conservator of Forests, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, Arera Colony, Ravishankar Nagar, Bhopal - 462016.
7. The District Collector, Janjgir- Champa District, Chhattisgarh.
8. Guard file.
9. Monitoring File.

  
(Dr. P.L. Ahujarai)  
Scientist 'F'



J-13012/44/2008 - IA. II (T)  
Government of India  
Ministry of Environment & Forests

Paryavaran Bhavan, C.G.O. Complex,  
Lodi Road, New Delhi - 110003.  
Dated: December 27, 2010.

**OFFICE ORDER**

**Sub: 6X600 mw Coal Based Thermal Power Plant at Nariyara, Distt. Janjgir-Champa, in Chhattisgarh - reg. Environmental Clearance.**

Sir,

The undersigned is directed to refer to your letter no.MOEF,ND/AGRY/1500101/1668, dated 07.12.2010 requesting for transfer of environmental clearance issued by this Ministry with regard to the above mentioned power project.

2. The request has been examined and in partial modification of this Ministry's letters of even no. dated 19.10.2009 and 19.11.2009, it is informed that the name of the addressee mentioned in the aforesaid letters issued by this Ministry with respect to above mentioned project shall be substituted by the following:

M/s KSK Mahanadi Power Company Ltd.  
8-2-293/82/A/431/A,  
Road No.22, Jubilee Hills  
Hyderabad - 500 033.

3. All other conditions mentioned in this Ministry's aforesaid letter no. J-13012/44/2008.IA.II(T), dated 19.10.2009 and 19.11.2009 shall remain the same and shall be binding on M/s KSK Mahanadi Power Company Ltd.

4. This issues with the approval of the Competent Authority.

Yours faithfully,

  
(Dr. P.L. Ahujara)  
Director

M/s Wardha Power Company Ltd.  
8-2-293/82/A/431/A  
Raod No.22, Jubilee Hills  
**Hyderabad.**

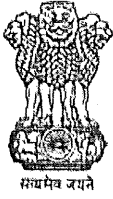
Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary, Department of Environment, Government of Chhattisgarh, Raipur.

3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur -492 001.
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
6. The Chief Conservator of Forests, Regional Office, Ministry of Environment & Forests, E-3/240, Arera Colony, Bhopal - 462 016.
7. The District Collector, Janjgir-Champa, Govt. of Chhattisgarh.
8. The Director (EI), MOEF.
9. Guard file.
10. Monitoring file.

/

**(Dr. P.L. Ahujarai)**  
**Director**



J-13012/44/2008 - IA. II (T)  
Government of India  
Ministry of Environment & Forests

Paryavaran Bhavan, C.G.O. Complex,  
Lodi Road, New Delhi -110003.  
Dated: November 19, 2009.

CORRIGENDUM

**Sub: 6X600 mw Coal Based Thermal Power Plant at Nariyara, Distt. Janjgir-Champa, in Chhattisgarh - reg. Environmental Clearance.**

Sir,

The undersigned is directed to refer to your letter No. MOEF,ND/GPRAO/1160201/983, dated 21.10.2009 requesting for amendment in typographical error made in the name of the company. The matter has been examined and it is hereby informed that the following amendment shall be made in this Ministry's letter of even no. dated 19.10.2009.

2. The name of the company shall be now read as under:

M/s Wardha Power Company Ltd.  
8-2-293/82/A/43/A  
Raod No.22, Jubilee Hills  
**Hyderabad.**

3. All other contents and conditions mentioned in this Ministry's aforesaid letters of even no. 19.10.2009 shall remain the same.

This issues with the approval of the Competent Authority.

Yours faithfully,

  
(LALIT KAPUR)  
DIRECTOR

M/s Wardha Power Company Ltd.  
8-2-293/82/A/43/A  
Raod No.22, Jubilee Hills  
**Hyderabad.**

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary, Department of Environment, Government of Chhattisgarh, Raipur.



BY SPEED POST

No. J 13012/44/08 -IA.II(T)  
Government of India  
Ministry of Environment & Forests

Paryavaran Bhawan  
CGO Complex, Lodi Road  
New Delhi-110 003

Dated: 19<sup>TH</sup> Oct, 2009

To

M/s Wardha Power Private Limited  
8-2-293/82/A/43/A.  
Road No. 22, Jubilee Hills,  
Hyderabad

**Sub: 6x600 MW Coal based Thermal Power plant at  
Nariyara District Janjgir-Champa, Chhattisgarh by M/s  
Wardha Power Company Ltd -EC**

Sir,

The undersigned is directed to refer to your communication no. MoE&F.ND/KBR/1160204/21 dated 3.7.09 regarding the subject mentioned above. Subsequent information furnished vide letters dt. 3.8.09 and 13.8.09 have also been considered.

2. It is noted that the proposal is for grant of environmental clearance for setting up 6 units of 600 MW each at Nariyara District Janjgir-Champa, Chhattisgarh by M/s Wardha Power Company Ltd . Coal and water linkages for the project are available. Water requirement will be sourced from Mahanadi River. Land requirement will be 830 ha. Including 150 ha for water storage facility to be created within the project site. Since a suggestion was made by the Committee as also by the water resources Department, the project would require an additional water storage facility closer to the water source to be constructed by Water Resource Department of the Chattisgarh Government. For this purpose, they will require additional 150 ha outside the project site and closer to water source. For coal, a copy of the Coal Supply and Investment Agreement between M/s KSK Energy Ventures Private Limited/Wardha Power Company Limited and Gujarat Mineral Development Corporation has been provided by the PP. The ash and sulphur content of the coal are 36% and 0.6% respectively. Project cost will be Rs. 16000.00 crores including Rs. 1246.00 Crores for EMP. Number of PAFs, due the project, will be 2541.

3. The proposal has been considered by the Expert Appraisal Committee for Thermal Power and Coal Mine Projects and Ministry of Environment & Forests hereby accords environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:-

- i) Two tri-flue stacks of 275 metre height should be provided.
- ii) COC of 5 should be maintained.
- iii) To utilize the fly ash generated from the power plant, the proponent should explore the possibility of setting up either its own cement plant/grinding unit and/or a brick manufacturing unit of 50,000/1,00,000 bricks/day capacity, and explore other possibilities of utilizing the fly ash in full form the stipulated period.
- iv) For post project monitoring, the proponent should set up piezometric monitoring stations around the ash pond.
- v) From 4<sup>th</sup> year onwards, the transportation of coal should be through rail only.
- vi) The green belt to be provided should be of canopy type with three tiers.
- vii) An amount of Rs. 64 crore as capital and Rs. 10 crores/annum as recurring should be earmarked for activities to be taken up under CSR by the above proponent. Details of the activities to be undertaken in this regard should be submitted.
- viii) High efficiency Electrostatic Precipitator (ESP) with spare fields shall be installed to ensure that particulate emission does not exceed 50 mg/Nm<sup>3</sup>.
- ix) Space provision shall be kept for retrofitting of FGD system, if required at a later date.
- x) Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.
- xi) A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt/plantation.
- xii) Rain water harvesting should be adopted. Central Groundwater Authority/ Board shall be consulted for finalization of appropriate rain water harvesting technology within a period of three months from the date of clearance and details shall be furnished.
- xiii) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season.
- xiv) Storage facilities for auxillary liquid fuel such as LDO and/ HFO/ LSHS shall be made in the plant area where risk is minimum to the storage facilities. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place. Sulphur content in the liquid fuel will not exceed 0.5%.
- xv) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.
- xvi) Regular monitoring of ground water in and around the ash pond area including heavy metals (Hg,Cr,As,Pb) shall be carried out, records maintained and six monthly reports shall be furnished to

the Regional Office of this Ministry. The data so obtained should be compared

- xvii) with the baseline data so as to ensure that the groundwater quality is not adversely affected due to the project.
- xviii) A green belt of adequate width and density shall be developed around the plant periphery covering 1/3 of the project area preferably with local species.
- xix) First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- xx) Regular monitoring of ground level concentration of SO<sub>2</sub>, NO<sub>x</sub>, Hg, SPM and RSPM shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB.
- xxi) Periodic reports shall be submitted to the Regional Office of this Ministry. The data so monitored shall also be put on the website of the company.
- xxii) The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality, / office of Municipal Corporation/Gram Panchayat concerned and on the company's web site within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>.
- xxiii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- xxiv) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xxv) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including



results of monitored data (both in hard copies as well by e- mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB.

- xxvi) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MOEF by e-mail.
- xxvii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- xxviii) Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.
- xxix) Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.
- xxx) The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.
- xxxi) Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Bhopal /the CPCB/the SPCB who would be monitoring the compliance of environmental status.

4. The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. MOEF may impose additional environmental conditions or modify the existing ones, if necessary.

5. The environmental clearance accorded shall be valid for a period of 5 years to start of production operations by the power plant.

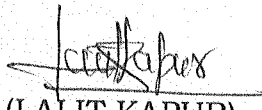
6. In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.

7. The above stipulations would be enforced among others under the Water(Prevention and Control of Pollution) Act,1974, the Air(Prevention and Control of Pollution) Act,1981,the Environment (Protection) Act,1986 and rules there under, Hazardous Wastes (Management and Handling) Rules,1989 and its amendments, the Public Liability Insurance Act,1991 and its amendments .

(LALIT KAPUR)  
DIRECTOR

Copy to:-

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-110001.
2. The Secretary, Department Environment & Forests Department, Secretariat Chattisgarh.
3. The Chairman, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur - 492001.
4. The Chief Conservator of Forests, Central Regional Office, Ministry of Environment & Forests, E-3/240, Arera Colony, Bhopal-462 016.
5. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
6. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
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(LALIT KAPUR)  
DIRECTOR