



J-13012/44/2008-IA.II (T)
Government of India
Ministry of Environment, Forests and Climate Change

3rd Floor, Vayu Block,
Indira Paryavaran Bhawan, Jor Bagh Road,
Aliganj, New Delhi-110003

Dated: 19.4.2018.

To

The Authorised Signatory
M/s KSK Mahanadi Power Company Ltd.,
8-2-293/82/A/431/A,
Road No.2, Jubilee Hills,
Hyderabad – 500033, Telangana.

Sub: 6x600 MW Coal based Thermal Power Plant at village Nariyara, in Janjgir-Champa, in Chhattisgarh by M/s KSK Mahanadi Power Company Ltd.- reg. compliance to NGT directions, amendment in EC and validity extension of EC.

Sir,

The undersigned is directed to refer to your online application nos. **IA/CG/THE/59395/2009 dated 2.10.2016, IA/CG/THE/19767/2009 dated 5.8.2017 & 9.10.2017** on the above mentioned subject.

2. It has been noted that Environmental Clearance for the above mentioned project has been issued vide Ministry's letter dated 19.10.2009. Corrigendum has been issued for correction in the Company's name vide Ministry's letter dated 19.11.2009. EC has been transferred in the name of M/s KSK Mahanadi Power Company Ltd. instead of M/s Wardha Power Company Ltd. vide Ministry's letter dated 27.12.2010. Further amendment in EC has been issued for tapering coal linkage from SECL for first three units vide Ministry's letter dated 24.1.2012. Further amendment has been issued vide Ministry's letter dated 23.9.2015 regarding increase in project area and the change in budget earmarked for CSR activities. Further amendment in EC has been issued vide Ministry's letter dated 26.5.2016 regarding change in coal source for using blended coal as linkage coal (71.55%), E-auction coal (10%) and imported coal (18.45%).

3. It has also been noted that the Hon'ble NGT Bhopal vide Order dated 19.8.2016 in the OA No.308/2014 in the matter of Amarnath Agarwal Vs. Union of India & Ors, directed to the company to approach Ministry for identification of various CSR activities in the 6 villages whose lands were acquired for the purposes of laying of the railway track and for determination of the amount in accordance CSR policy and guidelines. The proposal was appraised in the 2nd Re-constituted EAC meeting held on 20.1.2017. Subsequently, Ministry vide letter dated 6.3.2017 sought from the PP for the completion certificate from the District Collector and Gram Panchayats of the concerned 6 villages whose land was acquired for the railway track for undertaking various CSR activities/works till date. It has been informed vide your letter dated 27.1.2017 that an amount of Rs.4.4 crores have already been spent in the 6 villages i.e. Akaltara, Latiya, Pakaria, Murlidih, Amora and Rogda. It has also been informed that an amount of Rs.11.53 crores have been earmarked for undertaking CSR activities in these six villages. Several certificates from the individual Gram Panchayats in completion against a specific activity have been submitted. A certificate from District Collector could not be found from the documents. However, M/s Anant Rao & Mallik (FRN: 006266S, and Membership

No. 23350), Chartered Accounts, have verified the Books of Accounts, Records and other relevant documents and certified that an amount of Rs. 48.46 crores have been incurred till 31.08.2016 towards all the CSR activities carried till date.

4. It has also been informed that the Hon'ble Supreme Court and Ministry of Coal have cancelled the tapering coal linkages granted to the Company and directed CIL (SECL) to continue coal supplies under MoU mechanism till 31.3.2016 and till formulation of new policy by government, whichever is earlier. Govt. of India stopped supplying coal from SECL as per MoU. Now Coal is being procured under special forward E-auction carried out by CIL.

5. It has been noted that you have requested for transportation of coal by road which will be obtained from e-auction. The proposed coal quantity and transportation is as follows:

Type of coal	Capacity	Transportation
Domestic	11.56 MTPA	50% rail and 50% road
Imported	2.58 MTPA	100% Rail mode

6. Coal will be transported by road through 28 T capacity trolley trucks. Impact assessment study due to coal transportation has been submitted. A total of 11.56 MTPA domestic coal would be procured and shall be transported 50% each by both rail and road modes. Dipka, Gevra, Manikpur and Kusumunda opencast mines are major sources of coal in Korba region have been tentatively considered as coal sources.

7. The mine details along with distance are presented below:

Sr.No.	Coal Mines/washery	Distance in km	Width of road from median (m)
1.	Garota Siding and Hind washery	31.6	3.7 to 4.0
2.	KJSL washery, Dhatura	41.0	3.7 to 4.0
3.	Gevera mines	52.1	3.7 to 4.0
4.	Dipak mines	52.3	3.7 to 4.0
5.	Kusmunda mines	57.9	3.7 to 4.0
6.	Manikpur mines	69.3	3.7 to 10.0
7.	Chhal mines	108.0	3.7 to 10.0

8. It has also been noted that you have requested for extension of validity of EC. It has been informed that out of 6x660 MW, only 2x660 MW have been commissioned. The progress of remaining four units are as follows:

Unit	% of completion	Target date for completion
Unit-III	90	30.11.2017
Unit-IV	80	31.07.2018
Unit-V	40	31.01.2019
Unit-VI	30	30.09.2019

9. It has also been noted that provisional coal linkages (Total: 7.08 MTPA) have been issued by MCL (Ib Valley & Basundhara for 1.1 MTPA vide letter dated 21.12.2017, Talcher for 20,700 TPA vide letter dated 21.12.2017) and SECL (Korea Rewa for 1.2 MTPA vide letter dated 21.12.2017 and Korba & Mand-Raigarh for 4.5 MTPA vide letter dated 21.12.2017)

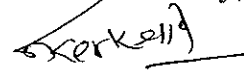
10. The proposal has been considered by the EAC (Thermal Power) in its 13th meeting held on 28.11.2017. In acceptance of the recommendations of the re-constituted Expert Appraisal Committee (Thermal Power) held on 28.11.2017 and in view of the information/clarification furnished by you, with respect to the above mentioned power project, **the Ministry hereby extends the validity of EC dated 19.10.2009 up to 18.10.2019 to commence operations by all units and amends the EC for transportation of coal by road for 3.54 MTPA (domestic coal) for subject to following additional conditions:**

- i. As forward e-auction is a participation and shall not guarantee the PP to confirm coal sourcing, therefore, on confirmation of sourcing of e-auction of coal blocks/basket of coal mines, the PP shall inform the details of coal procurement and shall limit the coal transportation by road for 3.54 MTPA (50% of linkages) domestic coal procured.
- ii. The remaining quantity of 8.02 MTPA domestic coal and 2.6 MTPA imported coal shall be transported by rail only. A fresh reference shall be made to the Ministry for any change in mode of transport.
- iii. The balance of the CSR activities to be taken up on the remaining funds as proposed in six villages whose land has been acquired for railway line is to be implemented. The details of activities along with the expenditure shall be submitted to Regional Office of this Ministry along with six monthly compliance report.
- iv. Estimated peak traffic in terms of PCU as compared with the stipulated standards by IRC for traffic capacity of the existing road network is adequate. Further, as forward E-auction mode procurement has been initiated by the Ministry of Coal to overcome coal shortages to various Thermal Power Plants in light of loss of Coal block/Coal linkages, participation in the forward E-auction as mode of procurement from coal linkage is allowed.
- v. As Ghatmunda village located towards Gevra, Dipka, Kusmunda and Manikpur Mines is found to be relatively more stressed due to truck movement, necessary control measures be taken at this location to reduce air pollution and noise levels.
- vi. Once the e-auction is firmed up, the road routes with distribution of total quantity of coal along with number of trucks to be plied on various routes shall be provided. A copy of linkage documents shall also be submitted to the Ministry.

10. All other conditions mentioned in this Ministry's letters of even no. dated 19.10.2009, 19.11.2009, 27.12.2010, 24.1.2012, 23.9.2015 and 26.5.2016 shall remain the same, as applicable.

This issues with the approval of the Competent Authority.

Yours faithfully,


(Dr. S. Kerketta)
Director, IA.I

Copy to:-

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-110001.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.

3. The Additional Chief Conservator of Forests (C), Ministry of Env., Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001.
4. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
5. The Secretary, Environment Department, Government of Chhattisgarh, Raipur.
6. The Chairman, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh - 421 001.
7. The District Collector, Janjgir-Champa District, Chhattisgarh.
8. Guard file & Monitoring File.
9. Website of MoEF&CC.



(Dr. S. Kerketta)
Director, IA.I



3rd Floor, Vayu Block,
Indira Paryavaran Bhawan, Jor Bagh Road,
Aliganj, New Delhi-110003

Dated: 26.05.2016

✓ To

M/s KSK Mahanadi Power Company Ltd.
8-2-293/82/A/431/A,
Road No. 22, Jubilee Hills,
Hyderabad- 500033
Ph: 040-23559922-25; Fax: 040-23559930

Sub: 6x600 MW Coal Based Thermal Power Project at Village Nariyara, District Janjgir- Champa, Chhattisgarh by M/s KSK Mahanadi Power Company Ltd. - reg. EC amendment for source of coal.

Sir,

This has reference to your online application dated 19.02.2016 and additional information/documents submitted vide letter dated 04.03.2016 on the above subject. It is noted that EC was accorded for the above TPP in the name of M/s. Wardha Power Company Ltd. on 19.10.2009. Further, amendments in EC regarding change in the company name to M/s KSK Mahanadi Power Company Ltd. and tapering coal linkage were accorded on 27.12.2010 and 24.01.2012 respectively. The validity of EC was extended till 31.12.2017 and the EC was amended w.r.t total project area and CSR on 23.09.2015.

2. The matter was placed before the EAC (Thermal Power) in its 52nd Meeting held during 29th February & 1st March, 2016. In acceptance of the recommendation of the EAC and in view of the information/clarification furnished by you with respect to implementation of the above mentioned power project, the Ministry hereby amends the EC for using blended coal as linkage coal (71.55%), E-auction coal (10%) and imported coal (18.45%) subject to the following conditions:

- i. The Sulphur and ash content of domestic coal shall not exceed 0.6% and 36% as per EC. For imported coal, the same shall not exceed 0.8% and 25 % respectively or as per the MoU/FSA, whichever is lower.
- ii. Imported coal transport shall be by rail only.
- iii. Necessary action shall be taken for compliance of the Operating & Proposed Units to the standards for TPPs notified on 07.12.2015.
- iv. The matter regarding rail transportation of coal shall be taken up with the Railways and all other concerned authorities immediately so that the EC condition regarding 100% rail transportation from the 4th year or before can be duly complied.

This issues with the approval of the Competent Authority.

Yours faithfully,

(Manoj Kumar Gangeya)
Director

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, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh - 421001
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
6. The Additional Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001
7. The District Collector, Janjgir-Champa District, Chhattisgarh.
8. Guard file/ Monitoring File.
9. Website of MoEF&CC

(Manoj Kumar Gangeya)
Director

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3rd Floor, Vayu Block,
Indira Paryavaran Bhawan, Jor Bagh Road,
Aliganj, New Delhi-110003

Dated: 26.05.2016

✓ To

M/s KSK Mahanadi Power Company Ltd.
8-2-293/82/A/431/A,
Road No. 22, Jubilee Hills,
Hyderabad- 500033
Ph: 040-23559922-25; Fax: 040-23559930

Sub: 6x600 MW Coal Based Thermal Power Project at Village Nariyara, District Janjgir- Champa, Chhattisgarh by M/s KSK Mahanadi Power Company Ltd. - reg. EC amendment for source of coal.

Sir,

This has reference to your online application dated 19.02.2016 and additional information/documents submitted vide letter dated 04.03.2016 on the above subject. It is noted that EC was accorded for the above TPP in the name of M/s. Wardha Power Company Ltd. on 19.10.2009. Further, amendments in EC regarding change in the company name to M/s KSK Mahanadi Power Company Ltd. and tapering coal linkage were accorded on 27.12.2010 and 24.01.2012 respectively. The validity of EC was extended till 31.12.2017 and the EC was amended w.r.t total project area and CSR on 23.09.2015.

2. The matter was placed before the EAC (Thermal Power) in its 52nd Meeting held during 29th February & 1st March, 2016. In acceptance of the recommendation of the EAC and in view of the information/clarification furnished by you with respect to implementation of the above mentioned power project, the Ministry hereby amends the EC for using blended coal as linkage coal (71.55%), E-auction coal (10%) and imported coal (18.45%) subject to the following conditions:

- i. The Sulphur and ash content of domestic coal shall not exceed 0.6% and 36% as per EC. For imported coal, the same shall not exceed 0.8% and 25 % respectively or as per the MoU/FSA, whichever is lower.
- ii. Imported coal transport shall be by rail only.
- iii. Necessary action shall be taken for compliance of the Operating & Proposed Units to the standards for TPPs notified on 07.12.2015.
- iv. The matter regarding rail transportation of coal shall be taken up with the Railways and all other concerned authorities immediately so that the EC condition regarding 100% rail transportation from the 4th year or before can be duly complied.

This issues with the approval of the Competent Authority.

Yours faithfully,

(Manoj Kumar Gangeya)
Director

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, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh - 421001
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
6. The Additional Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001
7. The District Collector, Janjgir-Champa District, Chhattisgarh.
8. Guard file/ Monitoring File.
9. Website of MoEF&CC

(Manoj Kumar Gangeya)
Director

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No. J-13012/44/2008-IA.II (T)
Government of India
Ministry of Environment, Forest and Climate Change

3rd Floor, Vayu Block,
Indira Paryavaran Bhawan, Jor Bagh Road,
Aliganj, New Delhi-110003

Dated: 23.09.2015

To

M/s KSK Mahanadi Power Company Ltd.
8-2-293/82/A/431/A,
Road No. 22, Jubilee Hills,
Hyderabad- 500033

Ph: 040-23559922-25; Fax: 040-23559930

Sub: 6x600 MW coal based Thermal Power Project at Village Nariyara, Janjgir-Champa District, Chhattisgarh by M/s KSK Mahanadi Power Company Ltd.-reg. Amendment and Extension of validity of EC.

Sir,

This has reference to your letters dated 10.10.2014, 05.01.2015, 04.05.2015, 29.06.2015 and 17.07.2015 on the above subject. It is noted that EC was accorded for the above project in the name of M/s. Wardha Power Company Ltd. on 19.10.2009. Further, amendments in EC regarding change in the company name to M/s KSK Mahanadi Power Company Ltd. and tapering coal linkage were accorded on 27.12.2010 and 24.01.2012 respectively.

2. The matter was placed before the EAC (Thermal Power) in its 28th and 38th Meetings held during 22nd - 23rd December, 2014 and 25th - 26th June, 2015 (minutes confirmed in the 40th Meeting held on 23rd July, 2015). In acceptance of the recommendation of the EAC and in view of the information/clarification furnished by you with respect to implementation of the above mentioned power project, the validity of the said EC is extended till **31.12.2017** to start the production operations by all the Units of Power Plant.

3. The following amendments shall also be made in the said EC.

- (i) The total project area shall comprise of 828.46 ha (with minor shift in the coordinates) instead of 830 ha as stipulated while issuing the EC.
- (ii) The specific condition no. (vii) of the EC shall be amended as, "An amount of Rs.64 crores as capital and Rs. 1.83 crores/annum (or the amount as per the CSR policy of GoI whichever is higher) as recurring costs should be earmarked for CSR activities. Details of the activities to be undertaken in this regard shall be submitted".

4. Further, under Para no.3 of the said EC dated 19.10.2009 and amendment dated 24.01.2012, after the condition no. (xxxiii), the following conditions shall be added:

- xxxiv) Continuous online monitoring system for stack emissions, ambient air quality and effluent discharge for various relevant parameters shall be put in place at the earliest, if not already done, and compliance to be reported to this Ministry including its R.O.
- xxxv) Harnessing solar power within the premises of the plant particularly at available rooftops shall be carried out and status of implementation including actual

generation of solar power shall be submitted along with half-yearly monitoring report.

- xxxvi) A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute and results thereof analyzed every two year and reported along with monitoring reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.
- xxxvii) Mercury emissions from stack shall also be monitored on periodic basis.
- xxxviii) Fugitive emissions shall be controlled to prevent impact on agricultural or non-agricultural land.
- xxxix) No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up/operation of the power plant.
- xl) Fly ash shall not be used for agricultural purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.
- xli) Details of 100% fly ash utilization plan as per latest fly ash Utilization Notification of GOI along with firm agreements / MoU with contracting parties including other usages etc. shall be submitted. The plan shall also include disposal method / mechanism of bottom ash.
- xlii) Green belt shall also be developed around the Ash Pond over and above the Green Belt around the plant boundary.
- xliii) An Environmental Cell comprising of at least one expert in environmental science/ engineering, ecology, occupational health and social science, shall be created preferably at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.
- xliv) CSR schemes identified based on Public Hearing issues and need based assessment shall be implemented in consultation with the village Panchayat and the District Administration starting from the development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Company shall provide separate budget for community development activities and income generating programmes.
- xlvi) For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.

- xlvi) The project proponent shall formulate a well laid Corporate Environment Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.
5. All other conditions mentioned in this Ministry's letter of even no. dated 19.10.2009 and amendment dated 24.01.2012 shall remain the same.
6. This issues with the approval of the Competent Authority.

Yours faithfully,



(B. B. Barman)
Scientist 'F'

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, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh - 421001
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
6. The Additional Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001
7. The District Collector, Janjgir-Champa District, Chhattisgarh.
8. Guard file/ Monitoring File.
9. Website of MoEF&CC



(B. B. Barman)
Scientist 'F'



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 34th Meeting held during October 10-11, 2011. The Committee has recommended for operation of **3x600 MW** Coal Based Thermal Power Plant based on tapering coal 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 11th to 15th 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. (xxxi), under para no.3, the following shall be added:

(xxxii) 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_x, RSPM (PM₁₀ & PM_{2.5}), SO_x (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. Ahujarai)
Director

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

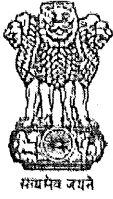
Copy to:

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: 19TH 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 4th 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/Nm³.
- 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 SO₂, NO_x, 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, is 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, SO₂, NO_x (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 31st 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.

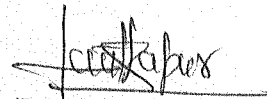
6. In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.

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.
7. The Director(EI), MOEF.
8. Guard file.
9. Monitoring file.


(LALIT KAPUR)
DIRECTOR