

INWARD NO. /CEHSU/ 586

DATE: 15/9/08

By Speed Post

No. J-13011/25/2008-IA.II(T)
Government of India
Ministry of Environment & Forests

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

Dated: 9th September, 2008

To

M/s Maharashtra State Power Generation Co. Ltd
Corporate Environment Health & safety Unit
Prakashgad Building, 3rd Floor
G-9, Prof Anant Kanekar Marg
Bandra (East), Mumbai 400 051.

Sub: 300 MW Parli Replacement Coal based Thermal Power Project at Parli-Vaijnathi, District Beed, Maharashtra by M/s MAHAGENCO – Environmental clearance regarding.

The undersigned is directed to refer to your communication no. CGM/CEHSU/1X300 MW/Repl/Proj/Parli/EC/944 dated 13.03.2008 regarding the subject mentioned above. Subsequent information furnished vide letter dated 23.6.2008 has also been considered.

2. It is noted that the proposal is for grant of environmental clearance for setting up of a 300 MW coal based thermal power project at Parli-Vaijnathi, District Beed, Maharashtra. The said project will be a replacement of their existing 2x30 MW units, which were commissioned in 1971-72. The land requirement for the proposed project will be 100 ha. The coal requirement of 1.5 million TPA for the proposed project will be met from the existing coal linkage and the captive coal blocks (Machhakata coal block). The water requirement will be met from Khadka barrage. Auxiliary fuel such as LDO and FO will be used. No ecologically sensitive area is reported in 25 Km area of the project. Greenbelt will be developed with local species. The public consultation was held on 21.11.2007. Total cost of the project is Rs 1262.76 crores, which includes Rs. 75.15 crores for environmental protection measures.

3. The proposal has been considered 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:-

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- (i) Unit no. 1&2 (2x30 MW) shall be decommissioned immediately after the commissioning of this proposed expansion project. A plan for decommissioning of these units in a time bound manner shall be submitted before commissioning the proposed plant.
- (ii) Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5% and 34% respectively.
- (iii) A stack of 220 m height shall be provided with continuous online monitoring equipments for SO₂, NO_x and Particulate. Exit velocity of flue gases shall not be less than 25 m/sec.
- (iv) High efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm³.
- (v) Space provision shall be kept for retrofitting of FGD, if required at a later date.
- (vi) Emission details from December, 2004 to date in respect of the existing operating units shall be submitted within one month of the date of issue of this letter.
- (vii) For improvement in the existing units, in respect of emissions, Skew Gas Flue Technology should be adopted.
- (viii) Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal and ash handling areas, transfer points and other vulnerable dusty areas shall be provided.
- (ix) Fly ash shall be collected in dry form and storage facility (silos) shall be provided. 100% fly ash utilization shall be ensured from day one. Bottom ash shall be disposed in the existing ash pond in conventional slurry mode.
- (x) There shall be no ash pond for this expansion project. Abandoned ash pond shall be reclaimed and rehabilitated by vegetation.
- (xi) A bye pass road to Parli city shall be made or Bulker /closed containers shall be used for transportation of ash to the ash pond.
- (xii) Water requirement shall be met from the existing water allocation; no additional water shall be drawn for this expansion project.
- (xiii) Closed cycle cooling system with cooling towers shall be provided. COC of at least 5 shall be adopted and the effluent treated as per the prescribed norms.
- (xiv) The treated effluents conforming to the prescribed standards shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon for storm water. Arrangements shall be made that effluents and storm water do not get mixed.
- (xv) A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt/plantation.
- (xvi) Rainwater harvesting should be adopted. Central Groundwater Authority/ Board shall be consulted for finalization of appropriate rainwater harvesting

technology within a period of three months from the date of clearance and details shall be furnished.

- (xvii) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Details of these measures along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry at Bhopal
- (xviii) Storage facilities for auxillary liquid fuel shall be made in the plant area at a location where risk is minimum to the storage facilities. Adequate arrangement of risk management shall be made in the Disaster Management Plan for the same. Mock drills shall be conducted regularly as planned.
- (xix) Regular monitoring of ground water in and around the ash pond area shall be carried out in consultation with the Central / State Ground Water Board/Authority and records maintained. Periodic reports shall be furnished to the Regional Office of this Ministry and Central /State Ground Water Board/Authority.
- (xx) A green belt of adequate width and density shall be developed around the plant periphery. Greenbelt area shall be increased to at least 35 ha from the present and the old de-commissioned plant site area shall be covered under plantation in addition to this area preferably with local tree species.
- (xxi) First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- (xxii) Leq of Noise levels emanating from gas and steam turbines shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as steam & gas turbines, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas.
- (xxiii) Regular monitoring of ground level concentration of SO₂, NO_x, 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. Periodic reports shall be submitted to the Regional Office of this Ministry.
- (xxiv) 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 concerned 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>.

- (xxv) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
 - (xxvi) Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to this Ministry/ Regional Office/CPCB/SPCB.
 - (xxvii) 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.
 - (xxviii) 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.
 - (xxix) 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.
 - (xxx) 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.

8. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.


(Dr. S.K. Aggarwal)
DIRECTOR

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-110001.
2. The Secretary, Department of Energy and Environment, Govt. of Maharashtra, Mantralaya, Mumbai-400032, Maharashtra.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, Maharashtra Pollution Control Board, Kalptaru point 3rd & 4th Floor Sion Matunga Scheme Road No. 8, opp. Cine Planet Cinema, near Sion Circle, Sion(East), Mumbai-400022 - with request to display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's office for 30 days.
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
6. The Chief Conservator of Forests, Western Regional Office, Ministry of Environment & Forests, E-3/240, Arera Colony, Bhopal-462016.
7. Director (EI), MOEF
8. Guard file.
9. Monitoring file.

(Dr. S.K. AGGARWAL)
DIRECTOR



14.D/MSPGCL/R-10/136

26/10/2016

J-13011/25/2008-IA-II-(T)

Government of India

Ministry of Environment, Forest and Climate Change

Dir. (Oper)
R-10 10
Date: 17/11/16VIP-R-10
E.D. (Gen. O & M)
Date: 17/11/16Inward No./CEHSU/1739
Date: 18.11.163rd Floor, Vayu Block,
Indira Paryavaran Bhawan, Jor Bagh Road,
Aliganj, New Delhi-110003

Dated: 26th October, 2016

To

The CMD,
M/s Maharashtra State Power Generation Co. Ltd.,
'Prakashgad', Plot No. G-9,
Bandra (E), Mumbai- 400051
Tel No.022-26476231; Fax: 022-26581400

Sub: 250 MW replacement Coal Based Thermal Power Project at Parli-Vaijanathi, District Beed, Maharashtra by M/s Maharashtra State Power Generation Co. Ltd. - reg. extension of validity of EC.

Sir,

This has reference to your online application dated 02.11.2015 and subsequent letters dated 07.01.2016, 17.03.2016, 01.06.2016, 19.08.2016 and 20.10.2016 on the above subject.

2. It is inter-alia, noted that EC for the TPP (300 MW) was accorded by MoEF&CC on 09.09.2008 and subsequently, you have revised the capacity to 250 MW. MoC has allocated the Gare Palma Sector-II coal block to Mahagenco vide Order dated 31.08.2015, which includes the above TPP. Meanwhile, to bridge the gap between requirement of coal and the start of production from the linked allotted coal mine/block, MoC had granted the Bridge Linkage vide O.M. dated 09.05.2016. The full load test has been achieved on 30.03.2016.

3. Based on the information/documents submitted by you regarding the above proposal, the Ministry extends the validity of EC (for the revised capacity of 250 MW) till 30.04.2017 to start the production operations. In the mean time, the proposal shall also be placed before the EAC for its appraisal.

4. The following conditions are also to be complied with in addition to those stipulated vide this Ministry's letter of even no. dated 09.09.2008:

- (xxxii) The standards stipulated by the Ministry for Thermal Power Plants vide Notification dated 07.12.2015 and as amended from time to time shall be duly complied.
- (xxxiii) Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.
- (xxxiiii) A long term study on radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. 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.
- (xxxv) Fugitive emissions shall be controlled to prevent impact on agricultural or non-agricultural land.
- (xxxvi) No ground water shall be extracted for use in operation of the power plant even in lean season. 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.

Page 1 of 2

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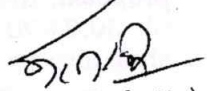
Director (Operations)

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for n.a.
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- (xxxvi) 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.
- (xxxvii) Green belt shall also be developed around the Ash Pond over and above the Green Belt around the plant boundary.
- (xxxviii) 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.
- (xxxix) 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.
- (xl) 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.
- (xli) The PP shall advertise in the newspaper and place on the website, the extension of validity of EC issued by the Ministry for public information.

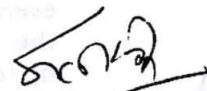
This issues with the approval of the Competent Authority.

Yours faithfully,


(Dr. S. Kerketta)
Scientist F'

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary, Department of Environment, Govt. of Maharashtra.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd & 4th Floors, Sion Matunga Scheme Road No. 6, Opp. Cine Planet, Sion Circle, Sion (E), Mumbai - 400 022.
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 Env., Forest and Climate Change, Regional Office (WCZ), Ground floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001.
7. The District Collector, Beed District, Maharashtra.
8. Guard file/Monitoring file.
9. Website of MoEF&CC


(Dr. S. Kerketta)
Scientist F'



No. J-13011/25/2008-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

Inward No./CEHSU/...253
 Date: 23-2-2017

Dated: 22.02.2017

To

M/s Maharashtra State Power Generation Co. Ltd.
 (Formerly known as M.S.E.B)
 'Prakashgad', Plot No. G-9,
 Bandra (E), Mumbai- 400 051

L.W. NO. ED/FUEL AND COAL /
L-117 DATE 01-03-17

Ph: 022-26476231; Fax: 022-26581400.

Sub: 250 MW replacement Coal based Thermal Power Project at Parli-Vaijanathi, District Beed, Maharashtra by M/s Maharashtra State Power Generation Co. Ltd. - reg. extension of EC.

Sir,

This has reference to your online application dated 02.11.2015 and subsequent letters dated 07.01.2016, 17.03.2016, 01.06.2016, 19.08.2016 and 20.10.2016 on the above subject.

2. It is inter-alia, noted that EC for the 300 MW Coal based Thermal Power Project was accorded on 09.09.2008. Subsequently, extension of validity of EC has been accorded on 26.10.2016 along with certain amendments for revising the capacity from 300 MW to 250 MW, change in coal source and the bridge linkage, etc. The validity of EC has been extended till 30.04.2017 to start the production/operation activities. The Unit (1x250 MW) has been achieved Commercial Date of Operation (COD) on 29.11.2016. The matter was placed before the Re-constituted EAC (Thermal Power) in its 1st Meeting held on 28.12.2016. 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, *Ministry hereby extends the validity of EC ex-post facto till 30.04.2017 along with amendments subject to following conditions:*

- i. Change in coal source from Machhakata Mine to Gare Palma Sector-II Coal Block, Mand Raigarh Coalfields, Raigarh District, Chhattisgarh is permitted.
 - ii. Bridge linkage from WCL is permitted till Gare Palma Coal Block is in operational.
 - iii. Ministry's notification no.GSR 02(E) dated 02.01.2014 regarding supply of raw or blended or beneficiated coal with ash not exceeding thirty-four percent shall be implemented, as applicable.
 - iv. Ministry's notification no. SO 3305(E) dated 07.12.2015 regarding new emission standards and water consumption shall be complied.
4. All other conditions mentioned in this Ministry's letter of even no. dated 09.09.2008 and 26.10.2016 shall remain the same, as applicable.

This issues with the approval of the Competent Authority.

Yours faithfully,

(Dr. S. Kerketta)
Director

C.E (fme)

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 Page 1 of 2
 23/12

Thank you for approval

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 Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. The Addl. Principal 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.
5. The Secretary, Department of Environment, Mantralaya, Govt. of Maharashtra, Mumbai-400032.
6. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd & 4th Floors, Sion Matunga Scheme Road No. 6, Opp. cine Planet, Sion Circle, Sion (E), Mumbai - 400 022.
7. The District Collector, Beed District, Maharashtra.
8. Monitoring/Guard file.
9. Website of MoEF&CC.


(Dr. S. Kerketta)
Director