



J 13012/93/2011-IA.II (T)
Government of India
Ministry of Environment & Forests

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E-mail: sarojmoef@yahoo.com
Paryavaran Bhawan
CGO Complex, Lodi Road
New Delhi-110 003
Dated: 19th February, 2014

To
M/s MCC PTA India Corp. Private Limited,
22, Camac Street,
Block 'C', 4th Floor,
Kolkata-700016.

Tel: 033-22836300; Fax: 033-22808470

Sub: 2x20 MW Imported/Domestic Coal Based Captive Thermal Power Plant of M/s MCC PTA India Corp. Private Limited at Village Bhuniarachak, Tehsil Sutahata, Haldia, District Purba Midnapore, in West Bengal - reg. Environmental Clearance.

Sir,

The undersigned is directed to refer to your letters dated 08.07.2011, 05.08.2011, 20.01.2012, 05.06.2012, 19.06.2012, 21.06.2012, 05.11.2012, 12.07.2013, 25.07.2013, 26.08.2013 and 10.10.2013 on the subject mentioned above. The Ministry of Environment & Forests has examined the application.

2. It is noted that the proposal is for replacement of Furnace Oil based CPP by Coal based CPP of 2x20 MW at Village Bhuniarachak, Tehsil Sutahata, Haldia, District Purba Midnapore, in West Bengal. Existing CPP has two units Phase-I (25 MW) which are DG Sets 5x5 MW and 1x 0.5 MW Black-start DEG and Phase-II (4x6 MW) i.e. 24 MW DG sets. The replacement of Furnace Oil Based CPP by Coal Based CPP is required due to likely non-availability of furnace oil from IOCL, BPCL after 2013 as the refineries are slowly shifting to lighter distillate. Besides it will have a better improvement in environmental quality over Furnace Oil. The land required for CPP will be 20 acres, which is available within 324.08 acres of the existing chemical plant premises of the company. The co-ordinates of the site are located within Latitude 22°04'40.68" N to 22°05'23.67" N and Longitude 88°09'35.14" E to 88°10'32.96" E. Imported coal requirement will be 0.18 MTPA. MoU for imported coal supply have been signed with M/s Anand Carbo Pvt. Ltd. Ash and sulphur contents in imported coal will be 8% and 0.5% respectively. Gross Calorific value of the coal will be 6000 kcal/kg. About 11,361 TPA of fly ash and 2,840 TPA of bottom ash will be generated. MoU for ash utilization have been signed with M/s Marshall Corporation Ltd. and M/s Green Concretex Cement Pvt. Ltd. Ash pond area will be 4 acres only for emergency ash storage and will be provided with proper lining system to prevent leaching. The co-ordinates of the ash pond site is located within Latitude 22°05'4.39" N to 22°05'10.31" N and Longitude 88°09'56.63" E to 88°10'2.97" E. Two Single-flue Stacks of 72m of height will be provided. Water requirement of 3108 m³/day will be sourced from the existing plant reservoir, which receives it from Haldia Development Authority (HAD), through existing pipeline at a distance of about 24 km from the project site. Water cooled condenser will be installed for cooling system. There are no National Parks, Wildlife Sanctuaries, Heritage Sites, Tiger/Biosphere reserves etc. within ten km of the

project site. Public Hearing was held on 25.02.2013. Cost of the project will be Rs.195.62 Crores.

3. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated September 14, 2006.

4. Based on the information submitted by you, as at Para 2 above and others and presentations made by you and your consultant viz. M/s Envirotech East Pvt. Ltd., Kolkata, before the Expert Appraisal Committee (Thermal Power) in its 30th meeting held during August 8-9, 2011, 74th meeting held during May 20-21, 2013 and 4th meeting held during November 18-19, 2013, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA notification dated September 14, 2006, subject to the compliance of the following Specific and General conditions:

A. Specific Conditions:

- (i) Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within **six months**.
- (ii) 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.
- (iii) Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5 % and 8 % for imported coal and 0.47 % and 42.47 % for domestic coal respectively at any given time. In case of variation of coal quality at any point of time, fresh reference shall be made to the Ministry for suitable amendments to environmental clearance condition wherever necessary.
- (iv) A stack of 60 m height shall be provided with continuous online monitoring equipments for SO_x, NO_x and PM_{2.5} & PM₁₀. Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack shall also be monitored on periodic basis.
- (v) High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission from the proposed plant does not exceed 50 mg/Nm³.
- (vi) 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.
- (vii) One of the AAQ monitoring Station shall be installed in the down wind direction i.e. across the River during the whole life of operation of the plant.
- (viii) Only mechanically covered trucks shall be used for the transportation of coal.

- (ix) Utilisation of 100% Fly Ash generated shall be made from **day one** of operation of the plant. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.
- (x) 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.
- (xi) Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.
- (xii) Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.
- (xiii) Fugitive emission of fly ash (dry or wet) shall be controlled such that no agricultural or non-agricultural land is affected. Damage to any land shall be mitigated and suitable compensation provided in consultation with the local Panchayat.
- (xiv) A long term study of 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.
- (xv) 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.
- (xvi) COC of atleast 5.0 shall be adopted.
- (xvii) A well designed rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises. Action plan and road map for implementation shall be submitted to the Regional Office of Ministry.
- (xviii) Hydrogeology of the area shall be reviewed annually from an institute/ organization of repute to assess impact of surface water and ground regime (especially around ash dyke). In case any deterioration is observed specific mitigation measures shall be undertaken and reports/ data of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.

- (xix) Monitoring of surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.
- (xx) Feasibility of removal of dissolved phosphate from brine shall be explored and report submitted to the Regional Office of the Ministry.
- (xxi) Wastewater generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB/CPCB.
- (xxii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (xxiii) Green Belt consisting of three tiers of plantations of native species around plant and at least 50 m width shall be raised. Wherever 50 m width is not feasible a 20 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 80 %.
- (xxiv) A common **Green Endowment Fund** shall be created and the interest earned out of it shall be used for the development and management of green cover of the area.
- (xxv) The project proponent shall also adequately contribute in the development of the neighbouring villages. Special package with implementation schedule for free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.
- (xxvi) An amount of Rs 1.0 Crores as one time investment shall be earmarked for activities to be taken up under CSR during construction phase of the Project. Recurring expenditure for CSR thereafter shall be Rs 0.20 Crores per annum till the life of the plant. Social Audit by a reputed University or an Institute shall be carried out annually and details to be submitted to MOEF besides putting it on Company's website.
- (xxvii) CSR schemes identified based on 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.
- (xxviii) An Environmental Cell comprising of at least one expert in environmental science / engineering, occupational health and social scientist, 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 organization who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.

B. General Conditions:

- (i) The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.
- (ii) A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.
- (iii) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.
- (iv) Storage facilities for auxiliary liquid fuel such as LDO/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.
- (v) First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- (vi) Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dB(A) from source. 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 turbine area, 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.
- (vii) Regular monitoring of ambient air ground level concentration of SO₂, NO_x, PM_{2.5} & PM₁₀ and Hg 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. The data shall also be put on the website of the company.
- (viii) Provision shall be made for the housing of construction labour (as applicable) 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 structures to be removed after the completion of the project.
- (ix) 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>.

- (x) 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, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xi) The proponent shall upload the status of compliance of the stipulated environmental clearance 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 (PM_{2.5} & PM₁₀), SO₂, NO_x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The environment 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 environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.
- (xiii) **The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.**
- (xiv) Regional Office of the Ministry of Environment & Forests 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. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. **Criteria pollutants levels including NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant.**
- (xv) 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.
- (xvi) 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.

(xvii) Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry / CPCB/ SPCB who would be monitoring the compliance of environmental status.

5. 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. The Ministry may also impose additional environmental conditions or modify the existing ones, if necessary.

6. The environmental clearance accorded **shall be valid for a period of 5 years** from the date of issue of this letter to start operations by the power plant.

7. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

8. In case of any deviation or alteration in the project proposed including coal transportation system 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.

9. 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, Handling & Transboundary Movement) Rules, 2008 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 15 of the National Green Tribunal Act, 2010.

Yours faithfully,


(Dr. Saroj)
Director

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary (Environment), Forests and Environment Department, Government of West Bengal.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, West Bengal Pollution Control Board, Paribesh Bhawan, 10A, Block- L.A, Sector 3, Salt Lake City, Kolkata - 700098.
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.

6. The Chief Conservator of Forests, Ministry of Environment and Forests, Regional Office (EZ), A/3, Chandersekhapur, Bhubaneswar - 751023.
7. The District Collector, Purba Midnapore District, Govt. of West Bengal.
8. Guard file.


(Dr. Saroj)
Director



F. No. J-13012/93/2011-IA.II (T)
Government of India
Ministry of Environment, Forest & Climate Change

Indira Paryavaran Bhawan
Aliganj, Jor Bagh Road
New Delhi - 110 003

Dated: 22nd February, 2021

To,

M/s MCPI Private Limited
22 Camac Street, Block 'C'
4th Floor, Kolkata - 700 016
West Bengal

Sub: 2x20 MW Coal Based Captive Thermal Power Plant at Village Bhuniarachak, Tehsil Sutahtata, Haldia, District Purba Midnapore, in West Bengal - Transfer of EC from M/s Materials Chemicals and Performance Intermediaries Private Limited to M/s MCPI Private Limited - reg.

Sir,

The undersigned is directed to refer your online application no. IA/WB/IND2/175099/2020 dated 11.12.2020 and documents submitted for transferring the Environmental Clearance issued vide MoEF&CC letters dated 19.02.2014 and 08.06.2017 from "M/s Materials Chemicals and Performance Intermediaries Private Limited to M/s MCPI Private Limited."

2. It has been noted that the Environmental Clearance for 2x20 MW Coal Based Captive Thermal Power Plant has been issued to M/s MCC PTA India Corp. Private Limited vide Ministry's letter dated 19.02.2014. Subsequently, Environmental Clearance dated 19.02.2014 was transferred from M/s MCC PTA India Corp. Private Limited to M/s Materials Chemicals and Performance Intermediaries Private Limited vide letter dated 08.06.2017.

3. It has been informed that the name of the Company has again changed from "M/s Materials Chemicals and Performance Intermediaries Private Limited" to "M/s MCPI Private Limited" with effect from 28.07.2017 pursuant to fresh certificate of incorporation issued by the Registrar of Companies, West Bengal without change of ownership and directors of the company.

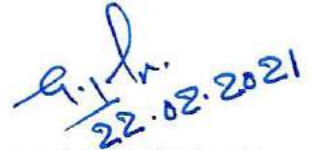
4. It has been noted that 'No Objection Certificate' has been submitted for transfer of EC from M/s Materials Chemicals and Performance Intermediaries Private Limited to M/s MCPI Private Limited. Further, it has been noted that transferee company M/s MCPI Private Limited has submitted an undertaking dated 11.12.2020 that the same terms and conditions in the EC dated 19.02.2014 are acceptable and all the conditions will be complied with.

5. The Ministry has examined the application. In view of the above, the Ministry hereby transfers the Environmental Clearance dated 19.02.2014 in favour of M/s MCPI Private Limited. The name of the addressee with respect to above mentioned project shall be substituted by the following:

M/s MCPI Private Limited
22 Camac Street, Block 'C',
4th Floor, Kolkata – 700 016
West Bengal

6. All other conditions mentioned in this Ministry's aforesaid letter no. F. No. J-13012/93/2011-IA.II (T) dated 19.02.2014 shall remain the same and shall be binding on M/s MCPI Private Limited.

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


22.02.2021
(Yogendra Pal Singh)
Scientist 'E'

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi – 110 001.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi – 110 066.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 110 032.
4. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandersekharapur, Bhubaneswar - 751023
5. The Principal Secretary, Department of Environment, 5th Floor, Pranishampad Bhawan, Block LB-II, Salt Lake, Sector III, Bidhannagar, Kolkata – 700 106.
6. The Chairman, West Bengal Pollution Control Board, Paribesh Bhawan, 10A, Block- L.A., Sector 3, Salt Lake City, Kolkata – 700 098.
7. The District Collector, Purba Midnapore District, Govt. of West Bengal
8. Guard file/Monitoring file/Website of MoEF&CC.


22.02.2021
(Yogendra Pal Singh)
Scientist 'E'