

## **MINUTES OF THE 10<sup>th</sup> MEETING OF THE RE-CONSTITUTED EXPERT APPRAISAL COMMITTEE (EAC) ON ENVIRONMENTAL IMPACT ASSESSMENT (EIA) OF THERMAL POWER PROJECTS HELD ON 6<sup>th</sup> MAY, 2021**

The 10<sup>th</sup> Meeting of the re-constituted EAC (Thermal Power) organised by the Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi was held on 6<sup>th</sup> May, 2021 through video conference under the Chairmanship of Shri Gururaj P. Kundargi. The list of Members present in the meeting is at **Annexure**.

### **Item No.10.1: CONFIRMATION OF THE MINUTES OF THE 9<sup>th</sup> EAC MEETING**

The Minutes of the 9<sup>th</sup> EAC (Thermal Power) meeting held on 15<sup>th</sup> April, 2021 were confirmed in the meeting.

### **Agenda No. 10.2**

**Imported/Domestic Coal based Captive Thermal Power Plant of 2x20 MW in an area 20 acres (within existing plant premises) by M/s MCPI at Village Bhuniaraichak, Tehsil Sutahata – I, District East Medinipur, (West Bengal) – Amendment/Extension in Validity of Environment Clearance – Reg.**

**[Proposal No. IA/WB/IND3/182059/2020; F. No. J-13012/93/2011-IA. II (T)]**

**10.2.1** The proposal is for amendment/extension in validity of Environmental Clearance dated 19<sup>th</sup> February, 2014 granted by Ministry to Imported/Domestic Coal based Captive Thermal Power Plant of 2x20 MW in an area 20 acres (within existing plant premises) by M/s MCPI at Village Bhuniaraichak, Tehsil Sutahata – I, District East Medinipur, (West Bengal).

**10.2.2** The details of the project submitted by project proponent and ascertained from the document submitted are mentioned below:

- (i) It was noted that the proposed project site is located at Village Bhuniaraichak, Haldia, district Purba Medinipore in the state of West Bengal. Its graphical coordinates are Latitude 22°04'48''N and Longitude 87°10'12''E with mean sea level 26 ft.
- (ii) M/s MCPI Private Limited (MCPI), was incorporated in India in the year 1997, an Indian subsidiary of Mitsubishi Chemical Corporation (MCC), Japan, has a large Purified Terephthalic Acid (PTA), manufacturing facility at village Bhuniaraichak, Haldia, district Purba Midnapore in the state of West Bengal.
- (iii) The uncertainty of Furnace Oil supply & quality after the year 2013, forces the company to explore an alternative arrangement to fulfill the power requirement of the existing chemical plant. Thus, MCPI decided to install a 2x20 MW Captive Power Plant using domestic / imported Coal

as Fuel to maintain the sustainable operation of the Chemical Manufacturing Plant before the end of year 2013.

- (iv) M/s Envirotech East Pvt. Ltd. have conducted an Environmental Impact Assessment (EIA) for the proposed Power Plant project at village Bhuniaraichak, Haldia, district Purba Midnapore in West Bengal and formulated an appropriate Environmental Management Plan (EMP) for such proposed project.
- (v) The Ministry of Environment, Forest & Climate Change (MoEF&CC) granted Environment Clearance (EC) vide letter no. J-13012/93/2011-IA. II (T) dated 19<sup>th</sup> February, 2014 to M/s MCC PTA India Corp. Private Limited. Amendment in EC for change in name from M/s MCC PTA India Corp. Private Limited” to “M/s Materials Chemical and Performance Intermediaries Private Limited and extension in validity from 5 years to 7 years was granted by Ministry vide letter dated 8<sup>th</sup> June, 2017. Further, amendment in EC for change in name from M/s Materials Chemical and Performance Intermediaries Private Limited” to “M/s MCPI Private Limited was granted on 22<sup>nd</sup> February, 2021.
- (vi) **Project Highlights:** The principal features or highlights of the proposed plant of MCPI under study are as follows:

Unit size	The Power Plant shall comprise two 88 TPH capacity CFBC Boilers with auxiliaries and 2x20 MW Steam Turbine Generator (STG) sets with auxiliaries.
Land requirement	The proposed project will be installed on 20 acres land (including 4 acres for emergency Ash Storage Area). The entire land is available within the existing plant premises.
Fuel and source	For 2x20 MW CPP, the estimated annual fuel requirement works out to be around 0.18 MTPA, considering Imported coal and 0.356 MTPA considering Domestic Coal.
Raw water Requirement & Source	The estimated make up water requirement is about 3108 m <sup>3</sup> /day (within approved quantity) covering cooling water, DM water, drinking/service water and fire water facilities. Raw Water will be sourced from the existing plant reservoir, which receives it from ‘Haldia Development Authority (HDA)’, through existing pipelines.
Wastewater Management	The entire waste water after undergoing proper treatment in the Effluent Treatment System shall be used for various purposes inside the plant.

Ash Generation & Disposal	<p>Fly Ash–11361 TPA; Bottom Ash-2840 TPA considering Imported Coal and Fly Ash–120992 TPA; Bottom Ash- 30248 TPA considering Domestic Coal.</p> <p>The fly ash will be supplied to the Cement Manufacturers. Bottom Ash shall be disposed to the authorized trading company.</p>
Air Pollution Control	<p>Adequate control measures like installation of electrostatic precipitator (ESP), bag filters, dust suppression system to limit the outlet emission of particulate matters to 50 mg/Nm<sup>3</sup>.</p> <p>Two stacks of 72 m. height shall be provided for each of the 20 MW units for wide dispersal of SO<sub>2</sub>, NO<sub>x</sub> and the remaining Particulates after passing through ESP.</p>
Manpower	107 persons
Total Project Cost	Rupees 195.62 Crores. (As per earlier Estimation)

- (vii) **Project Implementation Status:** The proposed Captive Power Plant Project could not be initiated due the severe financial stress and company turned Sick during 2013. Erstwhile promoters, Mitshubishi Chemical Corporation, Japan, had infused Rs.5,624 crores in the Company prior to transferring ownership to The Chatterjee Group (TCG) in November,2016. Due to this reason this project was not implemented within the initial validity period of EC (5 years).
- (viii) The company experienced a spectacular turnaround in its performance and the Net Worth Increased from (-) Rs. 5,020 crores as on 31.03.2016 to (+) Rs. 2,992 crores as on 31.03.2021. With the substantial increase in its financial strength, the company is now in a position to actively pursue the implementation of the Project. In fact, the company has already developed the existing low land earmarked for the project and completed work on drainage system that would be required for start of construction.

### 10.2.3 The EAC during deliberations noted the following:

- a) The proposal is for amendment/extension in validity of Environmental Clearance dated 19<sup>th</sup> February, 2014 granted by Ministry to Imported/Domestic Coal based Captive Thermal Power Plant of 2x20 MW in an area 20 acres (within existing plant premises) by M/s MCPI at Village Bhuniarachak, Tehsil Satahata – I, District East Medinipur, (West Bengal).

- b) Earlier, Ministry of Environment, Forest & Climate Change (MoEF&CC) granted Environment Clearance (EC) vide letter no. J-13012/93/2011-IA. II (T) dated 19<sup>th</sup> February, 2014 to M/s MCC PTA India Corp. Private Limited. Amendment in EC for change in name from M/s MCC PTA India Corp. Private Limited” to “M/s Materials Chemical and Performance Intermediaries Private Limited and extension in validity from 5 years to 7 years was granted by Ministry vide letter dated 8<sup>th</sup> June, 2017. Further, amendment in EC for change in name from M/s Materials Chemical and Performance Intermediaries Private Limited” to “M/s MCPI Private Limited was granted on 22<sup>nd</sup> February, 2021.
- c) It was also observed noted that the proposal is being considered at Central level i.e. as Category A proposal since General Conditions of EIA Notification is applied as the project site is located in Critically Polluted Area as identified by CPCB.
- d) It was submitted by Project Proponent that since the project did not have financial strength earlier to implement the CPP, it was not implemented in 7 years but now there is substantial improvement in finance of the company and PP want to reduce its dependence on State Grid due to frequent power fluctuations and unavailability. The proposed project will be installed on 20 acres land (including 4 acres for emergency Ash Storage Area). The entire land is available within the existing plant premises.
- e) The PP informed that the EC J-13012/93/2011-IA.II (T) dated 19.02.2014 was valid up to 18.02.2014 accordingly they submitted the online application (No. IA/WB/IND3/182059/2020 dated 24.12.2020) on PARIVESH on 24.12.2020 for validity extension of EC dated 19.02.2014. However, the MoEF&CC vide EDS dated 6.01.2021 suggested that your transfer of EC application is under consideration, so apply after transfer of EC. Accordingly, the PP got name changed from M/s Materials Chemical and Performance Intermediaries Private Limited” to “M/s MCPI Private Limited vide Ministry’s letter dated 22<sup>nd</sup> February, 2021.
- f) The EAC noted the implementation status as on date and implementation schedule presented by the PP and the reason for not implementing the project. The EAC also noted that the PP has submitted the application for extension of validity of EC dated 19.02.2014 within the validity period which was up to 18.02.2021. Further disposal mechanism of fly ash and bottom ash was also discussed and it was directed the new Fly Ash Notification issued by Ministry shall be applicable from the first year of commissioning of the plant itself.
- g) The EAC asked the PP to submit the commitment on following points prior to grant of extension of EC:
- a. The proposed project will be implemented within the stipulated time period as committed to be given by EAC. A timeline the project has been submitted as an annexure with the letter which stated that overall project works will be completed within 26 months.

- b. The fly ash (to be generated from 2x20 MW coal based captive power plant) will be fully utilized in nearby Cement Industry.
- c. They will explore the highest possibility of utilizing the generated Bottom Ash Construction Industries.
- d. They will abide by any other additional conditions that may be stipulated by EAC.

The PP vide letter dated 7.05.2021 has submitted the commitment on the above points.

Ministry vide its S.O 221 (E) dated 18<sup>th</sup> January, 2021 issued the notification regarding validity of Environment Clearance. It is stated that:

*“Notwithstanding anything contained in this notification, the period from 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (Covid-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid”*

Based on this notification, additional one year has to be added in validity of EC as financial year of April-2020 to March-2021 has to be excluded in the overall calculation of validity. Therefore, in the present case EC is valid up to 18<sup>th</sup> February, 2021. Now, since PP has applied for extension in EC and considering extendable period is 3 years as per EIA Notification, 2006 and its amendments therein, the EC may be extended till 18<sup>th</sup> February, 2025.

**10.2.4** *The EAC after detailed deliberations and in view of Ministry notifications dated 18<sup>th</sup> January, 2021, the instant EC is extendable till 18<sup>th</sup> February 2025 since one financial year is excluded. EAC recommends the proposal for grant of extension in validity of EC dated 19<sup>th</sup> February, 2014 till 18<sup>th</sup> February, 2025, under the provisions of EIA Notification, 2006 and its amendment therein subject to compliance following additional conditions as environmental safeguards:*

- (ii) *PP shall implement all the condition of EC dated 19<sup>th</sup> February, 2014, 8<sup>th</sup> June, 2017 and 22<sup>nd</sup> February, 2021 within certain timeline.*
- (iii) *100% Fly Ash and Bottom Ash utilization plan shall be prepared and to be implemented in stipulated time period. PP shall comply with Ministry’s notification dated 22<sup>nd</sup> April, 2021 regarding Fly ash utilization from first year of commissioning. Bottom ash should be treated as a resource not as a waste.*
- (iv) *Current scenario of air quality in range of 5km of plant shall be submitted to the Ministry’s Regional Office on every 6 months period.*
- (v) *Management plan to conserve water quality in Hoogly River shall be prepared and implemented within stipulated timed.*

- (vi) *CPCB latest emission standards (after January, 2017 onwards) will be applied to the project site.*
- (vii) *MoEF&CC/CPCB guidelines for considering the proposal in CPAs shall be complied with.*
- (viii) *PP shall implement silo loading facility for flyash storage.*
- (ix) *PP shall submit plan for implementation of 33% peripheral green belt with fund allotted and timeline to Ministry's Regional Office within six months.*
- (x) *PP shall explore usage of treated domestic wastewater to reduce the dependence of water from Haldia Development Authority. Plan to reduce the consumption of water shall be submitted to Ministry's Regional Office within six months.*
- (xi) *PP shall submit the timeline for fulfillment of commitment during Public Hearing with allotted fund to Ministry's Regional Office.*

**The meeting ended with vote of thanks to the Chair.**

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**ATTENDANCE**

<b>S. No.</b>	<b>Name</b>	<b>Role</b>	<b>Attendance</b>
1.	Shri Gururaj P. Kundargi	Chairman	P
2.	Dr. N. P. Shukla	Member	P
3.	Shri Suramya Vora	Member	P
4.	Dr. Santosh Kumar	Member	P
5.	Dr. Umesh Jagannathrao Kahalekar	Member	P
6.	Shri K. B. Biswas	Member	P
7.	Dr. Nandini N	Member	P
8.	Dr. Unmesh Patnail	Member	A
9.	Shri Prasant Kumar Mohapatra	Member	A
10.	Shri M. P. Singh	Member (Representative of CEA)	A
11.	Prof. S. S. Rai	Member Representative of IIT/ISM	P
12.	Prof. R. K. Giri	Member Representative of IMD	A
13.	Representative from CPCB	Member	P
14.	Shri Yogendra Pal Singh	Member Secretary	P

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# APPROVAL OF THE CHAIRMAN

From: [gpkundargi@gmail.com](mailto:gpkundargi@gmail.com)  
To: "Yogendra Pal Singh" <[yogendra78@nic.in](mailto:yogendra78@nic.in)>  
Cc: "Munna Kumar Shah" <[munna.shah@gov.in](mailto:munna.shah@gov.in)>  
Sent: Tuesday, May 18, 2021 10:01:20 PM  
Subject: Re: approval on revised MOM-REG.

Dear Yogendra ji

You have rightly pointed out the notification dated 18th Jan 2021 regarding validity extension. Considering the same, revision in the minutes is appropriate. Accordingly revised minutes are approved for further needful.

Thank you

G P Kundargi

On Tue, 18 May, 2021, 9:32 pm Yogendra Pal Singh, <[yogendra78@nic.in](mailto:yogendra78@nic.in)> wrote:

Dear Sir,

Sorry for inconvenience caused. MOM of 10th EAC (Thermal) has been revised w.r.t. period of validity of extension, since, due to covid pandemic Ministry vide its notification S.O 221 (E) dated 18<sup>th</sup> January, 2021 issued the notification regarding validity of Environment Clearance. It is stated that :

*"Notwithstanding anything contained in this notification, the period from 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (Covid-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid"*

Based on this notification, additional one year has to be added in validity of EC as financial year of April-2020 to March-2021 has to be excluded in the overall calculation of validity. Therefore, in the present case EC is valid up to 18<sup>th</sup> February, 2021. Now, since PP has applied for extension in EC and considering extendable period is 3 years as per EIA Notification, 2006 and its amendments therein, the EC may be extended till 18<sup>th</sup> February, 2025.

**Accordingly, approval is solicited on the revised MOM attached herewith.**

With Regards,

**Yogendra Pal Singh**  
**Scientist 'E'**  
**M/o Environment, Forest and Climate Change**  
**Room No. 236, 2nd Floor, Vayu Wing**  
**Indira Paryavaran Bhawan**