

**MINUTES OF THE 8<sup>th</sup> MEETING OF THE RE-CONSTITUTED EXPERT APPRAISAL COMMITTEE (EAC) ON ENVIRONMENTAL IMPACT ASSESSMENT (EIA) OF THERMAL POWER PROJECTS HELD ON 1<sup>st</sup> MARCH, 2021**

The 8<sup>th</sup> Meeting of the re-constituted EAC (Thermal Power) organised by the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi was held on 1<sup>st</sup> March, 2021 through videoconference under the Chairmanship of Shri Gururaj P. Kundargi. The list of Members present in the meeting is at **Annexure A**.

**Item No.8.1: CONFIRMATION OF THE MINUTES OF THE 7<sup>th</sup> EAC MEETING**

The Minutes of the 7<sup>th</sup> EAC (Thermal Power) meeting held on 15.02.2021 were confirmed in the meeting.

**Item No. Agenda No. 8.2: Consideration of projects**

**Item No. 8.2.1: 4x250 MW (Phase I & II) Thermal Power Plant of Jindal Power Ltd. by M/s Jindal Power Limited at Tamnar, Raigarh (Chhattisgarh) – Amendment in Environment Clearance – reg. [Proposal No. IA/CG/THE/199096/2021; F. No. J-13011/8/2006-IA.II (T)]**

The proposal is for amendment in Environment Clearance to 4x250 MW (Phase I &II) Thermal Power Plant of Jindal Power Ltd by M/s Jindal Power Limited at Tamnar, Raigarh (Chhattisgarh).

The EAC during deliberations noted the following:

PP made the detailed presentation on the project and provided the following information to the EAC:

- (i) Environment Clearance for setting up of 2x250 MW Phase 1 and 2x250MW Phase II Thermal Power Plant at Village Tamnar, Dist. Raigarh, Chhattisgarh has been accorded on 24.09.1997 and 8.6.2006 respectively. Subsequently, Environment Clearance for 2x600 MW (Units 1&2) and 2x600 MW (Units 3&4) has been accorded on 18.03.2011 and 04.11.2011 respectively.
- (ii) Present proposal is for amendment in EC to raise height of the existing ash dyke by 04 metres i.e. from existing 14m to 18m,of 4x250 MW Thermal Power Plant of Jindal Power Ltd. at Tamnar, Raigarh, Chhattisgarh.
- (iii) It was informed that in line with stipulation of EC dated 8.6.2006; the Ash Dyke was constructed in an area of 198 hectares which was further divided into two Ash ponds (1 and 2) with area as 118.14 Ha and 79.86 Ha, respectively.

- (iv) EC dated 18.03.2011 for 2x600 MW stipulates that a separate dyke is to be constructed for 4X600 MW. MOEF&CC granted permission to dispose unutilized ash of 4x600 MW units in existing Ash dyke of 4x250 MW TPP. Subsequently MOEF&CC vide letter dated 26.04.2017 granted permission to construct the ash Dyke for 4X600 MW at a different location.
- (v) Amendment in Consent to Establish (CTE) for construction of ash Dyke at different location was delayed by SPCB, due to which construction of Ash Dyke for 4x600 MW could not commence. Further, due to delay in construction of ash dyke for 4x600 MW the storage capacity of existing ash dyke of 4x250 MW got exhausted. Therefore, PP vide letter dated 27.03.2017 had applied for raising of Ash Dyke for 08 m in two stages, each of 04 m.
- (vi) Accordingly, EC amendment was granted by MoEF&CC vide letter dated 03.01.2019 for height raising by 04 meters amending the specific condition no. 3(ii) stipulates that “No additional land for ash dyke shall be acquired during Phase II of the project. The height of the existing ash dyke shall be limited to 14m”.
- (vii) Since the grant of amendment in CTE for Ash Dyke of 4X600 MW got further delayed due to COVID-19. It may take 15-18 months for establishment of separate ash dyke for 4X600 MW. Ash Pond 2 has reached close to the level of RL 282 m (leaving free board of 1 m) and ash filling is in progress in Ash Pond 1, which is expected to fill soon. The Ash filling in mine voids is very slow, due to low-availability of overburden in mine.
- (viii) The bottom ash generated (20% of total ash) has to be disposed in the dyke and considering the fly ash utilization of 60% upto March, 2021 and 100% flyash utilization from April, 2021 onwards, the estimated time left for the complete filling of the existing ash dyke is about 07 months only i.e. upto August, 2021.
- (ix) Further, it was informed that, NGT, Principal Bench has directed to stop low lying area filling in the Raigarh District, resulting in further reduction in avenue of ash utilization. Therefore, PP has applied for fresh proposal to raise height of the existing ash dyke by 04 meters from 14m to 18m of 4x250 MW.

*The EAC after detailed deliberations, and considering all the facts of the project as presented by the project proponent desired additional information from the project proponent as mentioned below:*

- a) Re-validation report of the stability of ash dyke after raising height from 14m to 18m from certified institution.*
- b) Complete plan to be submitted for establishing new pond and obtained amendment in Consent to Establish (CTE) from CECB as soon as possible and start construction work for ash Dyke for 4X600 MW as per MoEF&CC letter dated 26.04.2017.*

- c) Ash utilization plan for future, details regarding ash generated by washed coal and unwashed coal and ash and electricity generated during last 3 years by all TPP.*
- d) Justify incremental ash generation during the year 2020-21.*
- e) Certified compliance report from Ministry's Regional office of previous ECs.*
- f) Disaster management plan and afforestation plan for Fly Ash dump site.*

The proposal was **deferred** for submission on above lines.

The meeting ended with vote of thanks to the Chair.

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**ATTENDANCE**

<b>Sr. No.</b>	<b>Name &amp; Address</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 Patnaik	Member	A
9.	Shri Prasant Kumar Mohapatra	Member	P
10.	Dr. Nazimuddin	Member (Representative of CPCB)	A
11.	Shri M.P Singh	Member (Representative of CEA)	A
12.	Prof S S Rai	Member Representative of IIT/ISM Dhanbad	P
13.	Prof R. K. Giri	Member Representative of IMD	A
14.	Yogendra Pal Singh	Member Secretary	P

## APPROVAL OF CHAIRMAN

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**From:** [gpkundargi@gmail.com](mailto:gpkundargi@gmail.com)

**To:** "Yogendra Pal Singh" <[yogendra78@nic.in](mailto:yogendra78@nic.in)>

**Sent:** Friday, March 12, 2021 6:21:30 PM

**Subject:** Re: Draft MoM of 8th MEETING OF THE RE-CONSTITUTED EXPERT APPRAISAL COMMITTEE (EAC) ON ENVIRONMENTAL IMPACT ASSESSMENT (EIA) OF THERMAL POWER PROJECTS HELD ON 1st MARCH, 2021

Dear Yogendra ji

The draft minutes are in order.

At 8.2.3 (b) second line PI delete word 'ask' which is typographical error.

The minutes are approved.

You may take further action

Thank you

G P Kundargi

On Fri, 12 Mar, 2021, 12:26 pm Yogendra Pal Singh, <[yogendra78@nic.in](mailto:yogendra78@nic.in)> wrote:

Dear Sir,

Please find attached the draft MoM of the 8th meeting of EAC (Thermal) held on 1.03.2021 for perusal and comments, if any.

With Regards,

**Yogendra Pal Singh**

**Scientist 'E'**

**M/o Environment, Forest and Climate Change**

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