

Government of India Ministry of Environment, Forest and Climate Change (Impact Assessment Division)



Agenda of Expert Appraisal Committee

Meeting ID : IA/THE/13571/30/11/2023

Meeting Venue : MoEF&CC

Meeting Type : Video Conference

Agenda Generation Date : 27-11-2023

The following proposals are being considered for deliberation in the Expert Appraisal Committee as per the schedule given below:

Meeting Schedule:

S.No	Meeting date	Time (From)	Time (To)	
1	30 Nov 2023	10:30 AM	15:30 PM	

Date of Meeting: 30-11-2023

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Proposal Type
1	IA/TR/THE/2 39146/2021	13012/3/202	Proposed 120 MW CCGT Power Plant at Dag No. 935, Khatian No. 5/3, village Manikyanagar (Rokhia), district Sepahijala, Tripura - 799102	TRIPURA STATE ELECTRICITY CORPORATIO N LIMITED	Tehsil: Valuarchar District: Sepahijala State: Tripura	TOR

Any Other Item with Permission of Chairman:

S.N	Proposal	File No.	Proposal Name	Company	Location	Remarks
0	No.			Name		

List of EAC Member:

S.No	Members Name	Designation	Email_ID
1	Shri Gururaj P. Kundargi	Chairman	gpkundargi@gmail.com
2	Dr. Narmada Prasad Shukla	Member	shuklanp55@gmail.com
3	Dr. Nandini.N	Member	sai.nandinin@gmail.com
4	Shri K. B. Biswas	Member	biswaskiriti@gmail.com
5	Shri Suramya Dolarray Vora	Member	suramya.vora@gmail.com
6	Dr. Umesh Jagannathrao Kahalekar	Member	ukahalekar@rediffmail.com
7	Dr. Santoshkumar Hampannavar	Member	santoshkumar777@yahoo.com
8	Dr. Unmesh Patnaik	Member	unmesh.patnaik@tiss.edu
9	Shri Mahi Pal Singh	Member - Representative of Central Electricity Authority (CEA)	mpsingh.cea@nic.in
10	Dr. Nazimuddin	Member - Representative of CPCB	nazim.cpcb@nic.in
11	Dr. R. K. Giri	Member - Representative of IMD	rk.giriccs@gmail.com
12	Professor Sheo Shanker Rai	Member - Representative of Indian School of Mines	sheoshankar@iitism.ac.in
13	Shri Yogendra Pal Singh	Member Secretary	yogendra78@nic.in

AGENDA FOR 3RD MEETING OF THE RE-CONSTITUTED EXPERT APPRAISAL COMMITTEE (EAC) (THERMAL POWER PROJECTS) TO BE HELD ON 30TH NOVEMBER, 2023 DURING 11:00 AM – 05:30 PM THROUGH VIDEO CONFERENCE.

Instructions to Project Proponents:

- 1. The EAC meeting will be held through Video-Conference.
- 2. Project Proponents shall send the following through e-mail to all members immediately by 27th November, 2023. E-mails of all members are given at page No. 5-6:
- a) Duly filled in Agenda Form given at page No. 4.
- b) Basic Information in the Formats given at page Nos. 7-21.
- c) Executive Summary
- d) **.kml** shape file showing boundaries of project facilities (plant, ash dyke, rail/transmission lines, intake water point, water pipelines, etc.)
- e) Presentation (.pdf to all members, PPT format to EAC Secretariat officials (Shri Yogendra Pal Singh, Scientist 'E' & Member Secretary (yogendra78@nic.in)/Dr. Saurabh Upadhyay, Scientist 'C' (saurabh.upadhyay85@gov.in)/ia1.thermal@gmail.com.
- f) Duly filled in Undertaking at pg.22
- g) Copy of Valid NABET-QCI Certificate of Consultants
- 3. The proposals listed in the agenda are given below. Those proponents whose details are received as per the Sl.No.2 will only be taken up for Video-conference and to be followed strictly as the time slot given is very less.
- 4. Details of project proponents and number of online access points required are to be sent in advance. Only two persons from Proponent side shall communicate to Ministry Officials (Shri Yogendra Pal Singh, Scientist 'E' & Member Secretary/ Dr. Saurabh Upadhyay, Scientist 'C') for connecting through video conference as per their time slot.
- 5. The presentation should be completed within 20 minutes to facilitate longer discussion on various environmental aspects of the project proposal.
- 6. Only 3-4 access points (number of devices, computer/laptop/mobile) will be permitted for one proposal/proponent which include consultants. Only one project proponent will be connected to EAC as per their slot. Remaining proponents have to wait for their time slot for joining VC meeting.
- 7. After receiving the information from proponent, a link will be sent to selective people for installing a software for video-conference. All proponents can join the conference

- between 10:30 AM 10:45 AM on 31.10.2023 and 01.11.2023 for testing purpose. However, the actual meeting will commence at 11:00AM.
- 8. Project Proponent shall present salient points of the proposal. Only one person should speak at a time and keep the audio switched off during conference. Remaining shall keep their audio on 'mute' mode.
- 9. Time slot is given for discussion on project proposal. Accordingly, Project Proponents shall be ready for online connection at least 10 min before their given slot. It is endeavored to complete all projects within the stipulated time given by NIC. Accordingly, Project Proponents are required to cooperate and maintain timings. If any problem faced please contact **Mr. Kamal, Moderator, NIC (Mobile No. 8800225087, Email-** support-ipb@nic.in).

AGENDA OF 03RD MEETING OF THE EXPERT APPRAISAL COMMITTEE ON THERMAL POWER PROJECTS

DATE : 30TH NOVEMBER, 2023 TIME : 11:00AM - 05:30PM MODE : VIDEO-CONFERENCE

Agenda Item No. 3.1	Confirmation of the minutes of 2 nd EAC meeting.
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Consideration of Proposals

Agenda Item No. 3.4	120 MW CCGT Power Plant in an area of 4.5 ha located at village Manikyanagar (Rokhia), Tehsil Valuarchar, District Sepahijala, Tripura by M/s Tripura State Electricity Corporation Limited – Reconsideration for
12:45 PM to 01:30 PM	Terms of Reference – reg. [Proposal No. IA/TR/THE/239146/2021; F. No. J-13012/3/2021-IA.I (T)]
Agenda Item No. 3.5 01:30 PM onwards	Any other items with the permission of the Chair

Agenda Form

Agenda No:		Project Proponent Organisation:				
		Consultant Orga	nisation:			
		Subject:				
Attend	ance	Sheet:				
Sl.No. Name		ie	E-mail & Phone Number	Whether 'Video Conference' access is required or not. (Yes/No)		
Project	Prop	onent:				
Name a	and P	hone no. of Coord	inator for video-conferen	ce:		
1						
2						
3						
4						
Consultants:						
5						
6						

List & Correspondence addresses of Members of EAC (Thermal Power)

S.	Name & Address	Role	E-mail
No.			
1.	Dr. Sharad Singh Negi (I.F.S. Retd.) Ex DGF MoEFCC	Chairman	sharadnegi1957@gmail.com
	178, Subhash Road, Dehradun – 248		
	001, Uttarakhand	3.5. 1	1 00040
2.	Shri Inder Pal Singh Matharu, IFS	Member	matharu0204@gmail.com
	(Retd.)		
	A-12, Haridas Ji Magri, Trident Hotel		
	Road, Udaipur – 313001, Rajasthan	3.5 1	11 20000 1
3.	Shri Lalit Kapur	Member	lkapoor2000@yahoo.com
	Retd. Adviser, MoEFCC		
	A1/337 Janakpuri, New Delhi - 110058		
4.	Dr. Umesh Jagannathrao Kahalekar	Member	ukahalekar@rediffmail.com
	B1-704, Acolade Housing Society,		
	Tukaramnagar, Kharadi, Pune – 411 014		
5.	Dr. Santosh Kumar Hampannavar	Member	santoshkumar777@yahoo.com
	Dean (R&D), SDM College of		
	Engineering and Technology, Dharwad,		
	Karnataka – 580 002		
6.	Shri Savalge Chandrasekhar	Member	savalgec@gmail.com
	House No. B-309, Express Apartments,		
	Lakdi-ka pul, Khairatabad, Hyderabad		
	- 500 004		
7.	Shri K. B. Biswas	Member	biswaskiriti@gmail.com
	Former Chairman		
	Central Ground Water Board,		
	Camellia Apartment, 313, Natunpally, Ghasiara More, Sonarpur, Kolkata -		
	700150		
8.	Prof. Shyam Shanker Singh	Member	singhss.ggu@gmail.com
"	Guru Ghasidas Central University,	1,10111001	
	Bilaspur, Chhattisgarh		
9.	Dr. Vinod Agrawal	Member	vinodudz@yahoo.com
	Retd. Professor of Geology		
	161, Sarva Ritu Vilas, Udaipur – 313		
	001		
10.	Representative of Central Pollution	Member	
	Control Board		
	Parivesh Bhawan, East Arjun Nagar,		
	Delhi		
11.	Representative of Central Electricity	Member	
	Authority (CEA)		
	Sewa Bhawan, R. K. Puram, Sector-I,		
	New Delhi - 110 066		

12.	Representative of Indian Meteorological Department (IMD)	Member	
13.	Prof. R M Bhattacharjee Dept. of Mining Engineering IIT (ISM), Dhanbad Jharkhand – 826004 Representative of IIT/ISM Dhanbad	Member	rmbhattacharjee@iitism.ac.in
14.	Shri Yogendra Pal Singh Scientist 'E' Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003.	Member Secretary	yogendra78@nic.in

Details for EC/ToR/Extension of EC/ Amendment of EC Proposal

(To be submitted in word format):

 EAC Meeting Details 	3:
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	-	
	EAC meeting/s	
	Date of Meeting/s	
	Date of earlier EAC meetings	
2.	Project details:	
	Name of the Proposal	
	Proposal No.	
	Location	
	Company's Name	
	Accredited Consultant and certificate	
	no.	
	Inter- state issue involved	
	Seismic zone	
	L	
3.	Category details:	
	Category of the project	
	Capacity	
	Attracts the General Conditions	
	(Yes/No)	
	Additional information (if any)	
4.	Project Details:	
Ī	If expansion, the details of ECs	
	(including amendments and extension	
	of validity) of existing Units etc.	
-	Amendments granted, if Yes details	
-	Expansion / Green Field (new):	
	(IPP / Merchant / Captive):	

If expansion, the date of latest monitoring done by the Regional Office (R.O) of MoEF&CC for compliance of the conditions stipulated in the environmental and CRZ clearances of the previous phases. A certified copy of the latest R.O. monitoring report shall also be submitted.	
Specific webpage address where all EC related documents (including monitoring and compliance related reports/documents) of the specific project under consideration are/will be available. Also contact details of PP's officer responsible for updating this webpage/information.	
Co-ordinates of all four corners OF TPP Site:	
Average height of: (a) TPP site, (b) ash pond site etc. above MSL	
Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so, the details thereof:	
CRZ Clearance Cost of the Project (As per EC and revised):	
Cost of the proposed activity in the amendment:	
Employment Potential for entire project/plant and employment potential for the proposed amendment (specify number of persons and quantitative information).	
Benefits of the project (specify quantitative information)	

Electricity generation capacity:	
Capacity & Unit Configurations:	
Generation of Electricity Annually	
Details of fuel and Ash disposal	
Fuel to be used:	
Quantity of Fuel required per Annum:	
Coal Linkage / Coal Block:	
(If Block allotted, status of EC & FC of the Block)	
Details of mode of transportation of coal fro coal source to the plant premises along we distances	
Fly Ash Disposal System Proposed	
Ash Pond/ Dyke	
(Area, Location & Co-ordinates)	
Average height of area above MSL (m)	
Quantity of	
a. Fly Ash to be generatedb. Bottom Ash to be generated:	
Fly Ash utilization (details)	
Stack Height (m) & Type of Flue	
Water Requirement:	
Source of Water:	
Quantity of water requirement:	
Distance of source of water from Plant:	
Whether barrage/ weir/ intake well/ jack well/ others proposed:	

Mode of conveyance of water:	
Status of water linkage:	
(If source is Sea water) Desalination Plant Capacity	
Mode / Management of Brine:	
Cooling system	
8. Land Area Breakup:	
I and Danning and	
Land Requirement:	
a) TPP Site	
b) Ash Pond	
c) Township	
d) Railway Siding & Others	
e) Raw Water Reservoir	
f) Green Belt	
g) others	
Total (if expansion state additional land requirement)	
Status of Land Acquisition:	
Status of the project:	
If under construction phase: please specify the reasons for delay, works completed till date and balance works along with expected date of completion.	
If under operation phase, date of commissioning (COD) of each unit. Whether the plant was under shutdown since commissioning, details and reasons.	

Break-Up of land-use of TPP site:

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details Certificate/letter/Rem rks
Reserve Forest/Protected Forest Land		
National Park		
Wildlife Sanctuary		
Archaeological sites monuments/historical temples etc		
Names & distance of National parks, Wildlife sanctuaries, Biosphere reserves, Heritage sites Rivers, Tanks, Reserve Forests etc. Located within 10 Km from the plant boundary:		
Additional information (if any)		

Is the proposal under any	
investigation? If so, details	
thereof.	
Any violation case pertaining to the project:	
Additional information (if any)	

Date:

(SIGNATURE OF AUTHORISED REPRESENTATIVE)

Place:

NAME & DESIGNATION:

Contact Nos. & E-mail:

Name of the project Addressed detailed E-mail/contact No.

Subjec	t: Environmental Clearance/Tok- reg.
[Propo	sal NO]
	e Project Proponent and the accredited Consultant M/s, made a detailed tation on the salient features of the project and informed that: The proposal is for environmental clearance/ToR to the project for located at by M/s
ii.	The project proposal was considered by the Expert Appraisal Committee (Thermal/Hydro River Valley Sector) in its th meeting held during
iii.	All are listed at S.N of the Schedule to the Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).
iv.	Ministry had issued EC earlier vide letter no; dated to the existing project in favour of M/s(in Expansion case/if applicable).
V.	Existing land area is m^2 ., additional m^2 land will be used for proposed expansion.
vi.	Industry has already developed / will develop greenbelt in an area of 33 $\%$ i.e., $$ m^2 out of total area of the project.
vii.	The estimated project cost is Rs including existing investment of Rs crores. Total capital cost earmarked towards environmental pollution control measures is Rs and the Recurring cost (operation and maintenance) will be about Rs per annum.
viii.	Total Employment will be persons as direct & persons indirect after expansion. Industry proposes to allocate Rs @ of % towards CER (as per Ministry's OM dated).
ix.	There are national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. River/ water body is flowing at a distance ofindirection.
х.	Ambient air quality monitoring was carried out at locations during to and the baseline data indicates the ranges of concentrations as: PM10 (µg/m3), PM2.5 (µg/m3), SO2 (µg/m3) and NO2 (µg/m3). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would beµg/m³,µg/m³ andµg/m³ with respect to PM10,

	SOx and NOx. The resultant concentration Standards (NAAQS). (In case of EC Pro	ns are within the National Ambient Air Quality posal)	
xi.		day of which fresh water requirement of ermission for allocation of water obtained vide er Board for theKLD/MLD quantity.	
xii.	Effluent of quantity will be treated through		
xiii.	Power requirement after expansion will be including existing KVA and will be met from State power distribution corporation limited (SPDCL). Existing unit has DG sets ofcapacity, additionally DG sets are used as standby during power failure. Stack (height)will be provided as per CPCB norms to the proposed DG sets.		
xiv.	Existing unit has TPH fired boiler. AdditionallyTPHfired boiler will be installed. Multi cyclone separator/ bag filter with a stack of height of m will be installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the proposed boilers (Applicable for thermal sector projects).		
XV.	Details of Solid waste/ Hazardous waste generation and its management		
xvi.	Public Hearing for the proposed project has been conducted by the State Pollution Control Board onThe main issues raised during the public hearing are related to(Applicable for EC proposals)		
xvii.	Details of Certified compliance report submitted by RO, MoEF&CC. (In case of expansion Proposal).		
xviii.	Status of Litigation Pending against the proposal, if any.		
xix.	The silent features of the project are as u	nder:-	
	Name of the Proposal		
	Name of Consultant(s) who prepared the EIA/EMP		
	Location		
	(Including coordinates)		
	Inter- state issue involved		
	Seismic zone		

Capacity / Cultural command area CCA)
Attracts the General Conditions Yes/No)
Powerhouse Installed Capacity
Generation of Electricity Annually
No. of Units
Cost of project
Total area of Project
Details of consultant and status of accredition
Project Benefits
Status of other statutory clearances
R&R details
Any litigation/Court case
pertaining to the project
s the proposal under any investigation? f so, details thereof.
Any violation case
pertaining to the project:
Certified EC compliance report (if applicable)
Status of Stage- I FC
Additional detail (If any)
s FRA (2006) done for FC-I
Advertisement for PH with date
Date of PH

Venue	
Chaired by	
Main issues raised during PH	
No. of people attended	
Fuel to be used:	
Quantity of Fuel required per Annum:	
Coal Linkage / Coal Block:	
(If Block allotted, status of EC & FC of the Block)	
Details of mode of transportation of coal	
from coal source to the plant premises along with distances	
Fly Ash Disposal System Proposed	
Ash Pond/ Dyke	
(Area, Location & Co-ordinates)	
Average height of area above MSL (m)	
Quantity of	
c. Fly Ash to be generatedd. Bottom Ash to be generated:	
Fly Ash utilization (details)	
Stack Height (m) & Type of Flue	

S1. No.	Salient Features	
1.	Date of the ToR, extension of validity and amendment, if any.	
2.	Date & place of Public Hearing	

4.	Issues raised during Public Hearing and assurance given along with the financial provisions, if any, by the project proponent. If the proposal is for re- consideration, the dates of	(Please attach as an annexure in a tabular form.)
	the earlier EAC meeting (s) and the information/documents sought.	
5.	Location of TPP Village: Taluk: District: State: Co-ordinates of all four corners: Average height of (a) TPP site, (b) ash pond site etc above MSL (m)	a) TPP site; b) Ash pond site; c) township etc.
6.	Whether the project is in the Critically Polluted Area (CPA) or within 10 km of CPA. If so, the details thereof:	
7.	Capacity & Unit Configurations:	MW
8.	Land requirement: a) TPP site b) Ash Pond c) Township d) MGR etc. (if expansion state additional land requirement)	Acres / Hectares
9.	Status of Land acquisition:	

10.	Status of the project:	
	If under construction phase: please specify the reasons for delay, works completed till date and balance works along with expected date of completion.	
	If under operation phase, date of commissioning (COD) of each unit. Whether the plant was under shutdown since commissioning, details and reasons.	
11.	Break-Up of Land-Use of TPP site:	(Acres / Hectares) Forests land (Type and density): Double Crop agricultural land: Single crop agricultural land: Waste/Barren land: Grazing/Community land: Others (specify): (Status of land allotment/acquisition)
12.	Fuel to be used:	Coal/Lignite / Gas / Others (Specify)
13.	Quantity of Fuel Required per Annum:	MTPA / MMSCMD (Million Tonne Per Annum)
14.	Coal Linkage / Coal Block: (If Block allotted, status of EC & FC of the Block)	Quantity and details of Linkage available: Name of Block The method of obtaining remaining coal: (LOA issued on) Ash content in coal(%)
		Sulphur in coal(%) Moisture(%) GCV in coalKcal/Kg
15.	Details of mode of transportation of coal from	Total distance from the source to Rail:km (from To)

	coal source to the plant premises along with distances.	Road: km (from To) Pipe/closed/open conveyor: km (from To) Sea: km (from To)
16.	Fly Ash Disposal System proposed:	High / Medium / Lean concentration slurry.
17.	Ash Pond / Dyke: (Area, Location & Coordinates) Average height of area above MSL (m)	(If expansion project state additional area required for ash pond)
18.	Quantity of Fly Ash to be Generated:	MTPA
19.	Quantity of Bottom Ash to be Generated:	MTPA
20.	Fly Ash utilisation percentage with details :	(MoU with Cement/ Brick Manufactures/ Others)
21.	Stack Height (m) & Type of Flue	(m) (new or existing) Single/Bi/Tri Flue
22.	Source of Water:	Sea / River / Barrage (Name) (Downstream / Upstream) (HFL of nearest river if located within 10 kms study area)
23.	Quantity of water requirement:	MLD / MCM
24.	Distance of source of water from Plant:	Km / m (from intake point)
25.	Whether barrage/ weir/intake well/ jack well/others proposed:	Yes / No (If yes, give details)
26.	Mode of conveyance of water:	Pipeline / canal / others
27.	Status of water linkage:	(Date of allocation obtained)

28.	(If source is Sea water) Desalination Plant Capacity	
29.	Mode / Management of Brine:	Details
30.	Cooling system	Induced/ Natural draft
31.	CRZ Clearance	(Status)
32.	Names & distance of National parks, Wildlife sanctuaries, Biosphere reserves, Heritage sites Rivers, Tanks, Reserve Forests etc. Located within 10 Km from the plant boundary:	
33.	Any litigation/Court case pertaining to the project:	please provide a list with details and status as annexure
32.	Is the proposal under any investigation? If so, details thereof.	
33.	Any violation case pertaining to the project:	please provide a list with details and status as annexure
34.	Cost of the Project (As per EC and revised): Cost of the proposed activity in the amendment:	Rs (Crores)
35.	Employment Potential for entire project/plant and employment potential for the proposed amendment (specify number of persons and quantitative information).	

36.	Benefits of the project (specify quantitative information)
37.	Any other declaration

Certified that the above information is true to the best of my knowledge and belief.

Undertaking

This is to certify that the information provided in Form in physical form and/or
in .pdf format (as applicable to the project and remaining be removed) in PARIVESH, to
the Ministry/EAC members and PPT presentation during the EAC meeting held on
30.11.2023 have no deviation in respect of the proposal of ToR/EC/EC validity
extension/EC amendment for establishing "MW Thermal Power Project at village
, Taluk, District, Stateby M/s

- 2. It is further certified that there are no data entry errors in the information uploaded in PARIVESH system including names/email-id/mobile numbers/address of the project proponent, authorized person, etc. It is also certified that the supporting documents uploaded on PARIVESH portal are correct and duly authenticated by the Authorized Signatory.
- 3. In case of any deviation in data found in any of the documents, the Authorized Signatory shall be held responsible and furthermore, the above said project shall be rejected for grant of amendment in EC.

Authorized Signature
Date