



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



Agenda of Expert Appraisal Committee

Meeting ID : IA/RIV/13276/01/07/2022  
Meeting Venue : MoEFCC  
Meeting Type : Video Conference  
Agenda Generation Date : 27-06-2022

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	Date (From)	Date (To)
1	01 Jul 2022	14:30 PM	17:30 PM

Date of Meeting : 01-07-2022

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Proposal Type
1	IA/RJ/RIV/278826/2022		SUKHPURA OFF-STREAM CLOSED LOOP PUMPED STORAGE PROJECT (OCPSP) - 2560 MW	GREENKO ENERGIES PRIVATE LIMITED	Tehsil: Rawatbhata District: chittorgarh State: Rajasthan	Amendment TOR

Any Other Item :

S.No	Proposal No.	File No.	Proposal For	Proposal Name	Location	Remarks
1	IA/WB/RIV/219929/2021	J-12011/11/2021-IA.I (R)	Terms of Reference	Teesta Low Dam – I & II (Combined) Hydro-Electric Project 71 MW (2x30+1x11MW) in an area of 170 ha in Triveni town, Tehsil Rangli Rangliot, District Darjeeling, West Bengal by M/s West Bengal State Electricity Distribution Company Limited	Village: Triveni town District: Darjeeling State: West Bengal	

List of EAC Member :

S.No	Members Name	Designation	Email ID
1	Dr. K. Gopakumar	Chairman (Non-Official)	kgopa@iisc.ac.in
2	Dr. N. Lakshman	Member (Non-Official)	lnand@rocketmail.com
3	Dr. Mukesh Sharma	Member (Non-Official)	mukesh@iitk.ac.in
4	Dr. B.K. Panigrahi	Member (Non-Official)	bijayaketan.panigrahi@gmail.com

5	Dr. Chandrahas Deshpande	Member (Non-Official)	chandrahas.despande@welingkar.org
6	Dr. A.K. Malhotra	Member (Non-Official)	ajitkumarmalhotra463@gmail.com
7	Dr. Uday Kumar R. Y.	Member (Non-Official)	udaykumarry@yahoo.com
8	Dr. Narayan Shenoy K.	Member (Non-Official)	kn.shenoy@manipal.edu
9	Shri Sharvan Kumar	Member (Official) Representative of Central Electricity Authority (CEA)	Dirhpa3@gmail.com
10	Dr. B. K. Das / Dr. Amiya Sahoo	Member (Official) Representative of Central Inland Fisheries Research Institute	amiya.sahoo@icar.gov.in
11	Representative of Central Water Commission (CWC)	Member (Official) Representative of Central Water Commission (CWC)	ceenvtmgmt@nic.in
12	Dr. J.A. Johnson	Member (Official) Representative of Wildlife Institute of India (WII)	jaj@wii.gov.in
13	Dr. Vijay Kumar	Member (Official), Representative of Ministry of Earth Sciences	vijay.kumar66@nic.in
14	Shri Yogendra Pal Singh	Member Secretary	yogendra78@nic.in

**AGENDA FOR 30<sup>TH</sup> MEETING OF EXPERT APPRAISAL COMMITTEE (RIVER VALLEY PROJECTS) TO BE HELD ON 01<sup>ST</sup> JULY, 2022 FROM 02:30 PM – 5:30 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 EAC Members and Ministry Officials **Shri Yogendra Pal Singh**, Scientist 'E' ([yogendra78@nic.in](mailto:yogendra78@nic.in))/ **Dr. Saurabh Upadhyay**, Scientist 'C' ([saurabh.upadhyay85@gov.in](mailto:saurabh.upadhyay85@gov.in))/ [ia1.thermal@gmail.com](mailto:ia1.thermal@gmail.com) and ([ia.rivhep@gmail.com](mailto:ia.rivhep@gmail.com)) 29<sup>th</sup> June, 2022. E-mails of all members are given at the end:
  - (a) Duly filled Form as per the format given at page 4.
  - (b) **Executive Summary** of the project along with Annexures I, II, III and IV (as applicable) given at the end **failing submission which the proposal shall not be considered for VC.**
  - (c) .kml shape file showing boundaries of project facilities (dam, submergence, intake water point, power house site in Hydro projects, cultural command area in irrigation projects, etc.).
  - (d) Presentation .pdf (to all members), PPTs format to Ministry Officials.
  - (e) 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 limited.
4. MoEF&CC will moderate the Video Conferencing meeting. Web link will be shared before them meeting.
5. 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 for connecting through video conference as per their time slot.
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. All proponents should join the conference in between 02:00 PM – 02:15 PM on 01.07.2022 for testing purpose. However, the actual meeting will commence at 02:30 PM.

7. Project Proponent shall present salient points of the proposal. Only one person should speak at a time and keep the audio switched off mode during conference. Remaining shall keep their audio on 'mute' mode.
8. Time slots are given for each project. Accordingly, Project Proponents shall be ready for online connection at least 10 min before their given slot. If any problem faced please contact **Mr. Kamal, Moderator, NIC (Mobile No. 8800225088, email- support-ipb@nic.in)**.
9. The project proponents may kindly treat this as official communication and may not wait for separate letter (s) from MoEF&CC although, letters shall be issued separately. For any clarification, Shri Yogendra Pal Singh, Scientist 'E' at 011-20819364 may be contacted.
10. A short duration videography of the project area is to be presented before the EAC for better understanding of the project site, if available.
11. The project proponents should submit, PPT, Form - 2 for EC application, DPR, EIA/EMP report, Public Hearing proceedings, queries subsequently raised by the Ministry, if any including details of the court matters/Orders of the Court pertaining to the project if any, in original, duly signed by the company authorized signatory for Environmental Clearance, **in hard form to the Ministry.**
12. Hardcopies of the DPR or the detailed EIA, EMP, etc. need not be sent to the EAC members. Only an Executive Summary (it should not normally exceed 25 pages) along with PPTs by email.
13. For the proposals from the Private Sector Organizations, Director or above level and for proposals from the Government, the Chief Engineer concerned or above level officer/s should lead the team. Officers should come and respond to explain the project and respond to queries from the Committee Members.
14. Mobile Phone should be kept on switched off/silent mode during the meeting.

**AGENDA OF 30<sup>TH</sup> MEETING OF THE EXPERT APPRAISAL COMMITTEE ON RIVER VALLEY PROJECTS**

**DATE** : 01<sup>ST</sup> JULY, 2022  
**TIME** : 02:30 PM - 5:30 PM  
**MODE** : VIDEO-CONFERENCE

<b>Proposals to be considered on 15<sup>th</sup> June, 2022</b>	
Agenda Item No. 30.1	Confirmation of the minutes of 29 <sup>th</sup> EAC meeting.

**Consideration of Proposals**

Agenda Item No. 30.2  02:30 PM to 03:15 PM	Sukhpura Standalone Pumped Storage Project (5040 MW), District: Chittorgarh, Rajasthan by M/s Greenko Energies Private Limited – <b>Amendment in Terms of Reference- reg.</b>  [Proposal No. IA/RJ/RIV/278826/2022; F. No. J-12011/20/2019-IA.I (R)]
Agenda Item No. 30.3  03:30 PM to 04:30 PM	Teesta Low Dam – I & II (Combined) Hydro-Electric Project 71 MW (2x30+1x11MW) in an area of 170 ha in Triveni town, Tehsil Rangli Rangliot, District Darjeeling, West Bengal by M/s West Bengal State Electricity Distribution Company Limited – <b>Reconsideration for grant of Terms of Reference - reg.</b>  [Proposal No. IA/WB/RIV/219929/2021;F. No. J-12011/11/2021-IA.I (R)]
Agenda Item No. 30.4  04:30 PM onwards	Any other items with the permission of the Chair

**Agenda Form:**

Agenda No.	Project Proponent Organization:			
	Consultant Organization:			
	Subject:			
Attendance Sheet:				
S.No.	Name	E-mail & Phone Number	Whether 'Video Conference' access is required or not.	
			(Yes/No)	
Project Proponent:				
Name and Phone no. of Coordinator for video-conference:				
<b>1.</b>				
<b>2.</b>				
<b>3.</b>				
<b>4.</b>				
Consultants:				
<b>5.</b>				
<b>6.</b>				

## List of EAC Committee Members - River Valley & HEP

S.No.	Name & Organization	Remarks
1.	<b>Dr. K. Gopakumar</b> Professor Department of Electronic Systems Engineering (Formerly CEDT), Indian Institute of Science, Bangalore-12. E-mail Id: <a href="mailto:kgopa@iisc.ac.in">kgopa@iisc.ac.in</a>	By mail
2.	Dr. N. Lakshman Professor Dept. of Applied Mechanics, National Institute of Technology Karnataka, Surathkal Srinivasnagar, Mangalore, Karnataka – 585 025 E-mail Id: <a href="mailto:lnand@rocketmail.com">lnand@rocketmail.com</a>	By mail
3.	Dr. Mukesh Sharma Professor Civil Engg. Department, IIT Kanpur Kanpur – 208 016 E-mail Id: <a href="mailto:mukesh@iitk.ac.in">mukesh@iitk.ac.in</a>	By mail
4.	Dr. B. K. Panigrahi Professor Department of Electrical Engineering Head, Centre for Automotive Research and Tribology(CART), IIT Delhi, New Delhi – 110016 E-mail Id: <a href="mailto:bijayaketan.panigrahi@gmail.com">bijayaketan.panigrahi@gmail.com</a>	By mail
5.	Dr. Chandrahas Deshpande Professor (Economics) Welingkar Institute of Management Development and Research, Mumbai, Maharashtra. E-mail Id: <a href="mailto:chandrahas.despande@welingkar.org">chandrahas.despande@welingkar.org</a> , <a href="mailto:dchandrahas@gmail.com">dchandrahas@gmail.com</a>	By mail
6.	Dr. A. K. Malhotra Plot No.33, Sector – 11, Dwarka, New Delhi (Near Gate No. 1 of Metro Station, Sector – 11 Dwarka) and C-6, Subhavna Niketan, Road No. 41, Pitampura, New Delhi – 110 034. E-mail Id: <a href="mailto:ajitkumarmalhotra463@gmail.com">ajitkumarmalhotra463@gmail.com</a>	<b>By Post</b>
8.	Dr. Uday Kumar R. Y. Director, Malviya National Institute of Technology, Jaipur E-mail Id: <a href="mailto:udaykumarry@yahoo.com">udaykumarry@yahoo.com</a> , <a href="mailto:director@mnit.ac.in">director@mnit.ac.in</a>	By mail
8.	Dr. Narayan Shenoy K. Associate Director (Student Welfare) Professor, Department of Civil Engineering M.I.T., Manipal - 586 104 E-mail Id: <a href="mailto:kn.shenoy@manipal.edu">kn.shenoy@manipal.edu</a>	By mail
9.	Shri Sharvan Kumar, Chief Engineer Representative of Central Electricity Authority (CEA), Sewa Bhawan, R. K. Puram, Sector-I, New Delhi - 110 066 E-mail Id: <a href="mailto:Dirhpa3@gmail.com">Dirhpa3@gmail.com</a>	By mail
10.	Representative of Central Water Commission (CWC), Sewa Bhawan, R. K. Puram, New Delhi - 110 066 E-mail Id: <a href="mailto:ceenvtmgmt@nic.in">ceenvtmgmt@nic.in</a>	By mail
11.	Dr. J. A. Johnson	By mail

	Representative of Wildlife Institute of India (WII), Post Box No.18, Chandrbani, Dehradun – 248 001 E-mail Id: <a href="mailto:jaj@wii.gov.in">jaj@wii.gov.in</a>	
12.	Dr. B. K. Das / Dr. Amiya Sahoo, Representative of Central Inland Fisheries Research Institute (CIFRI), Barrakpore – 800 120, West Bengal E-mail Id: <a href="mailto:amiya.sahoo@icar.gov.in">amiya.sahoo@icar.gov.in</a> , <a href="mailto:amiya8@gmail.com">amiya8@gmail.com</a>	By mail
13.	Dr. Vijay Kumar Representative of Ministry of Earth Sciences Prithvi Bhawan, IMD Campus, Opp. India Habitat Centre, Lodi Road, New Delhi - 110 003. E-mail Id: <a href="mailto:vijay.kumar66@nic.in">vijay.kumar66@nic.in</a>	By mail
14.	Shri Yogendra Pal Singh Scientist 'E' Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003. E-mail Id: <a href="mailto:yogendra78@nic.in">yogendra78@nic.in</a>	By mail



**Details for Terms of Reference****(To be provided in only-word format)****1. EAC Meeting Details:**

EAC meeting/s	
Date of Meeting/s	
Date of earlier EAC meetings	

**2. Project details:**

Name of the Proposal	
Location (Including coordinates)	
Inter- state issue involved	
Seismic zone	

**3. Category details:**

Category of the project	
Provisions	
Capacity / Cultural command area (CCA)	
Attracts the General Conditions (Yes/No)	
Additional information (if any)	

**4. Electricity generation capacity:**

Powerhouse Installed Capacity	
Generation of Electricity Annually	
No. of Units	
Additional information (if any)	

**5. ToR/EC Details:**

Cost of project	
Total area of Project	
Height of Dam from River Bed (EL)	
Length of Tunnel/Channel	
Details of Submergence area	
Types of Waste and quantity of generation during construction/ Operation	
E-Flows for the Project	
Is Projects earlier studies in Cumulative Impact assessment & Carrying Capacity	

studies (CIA&CC) for River in which project located. If yes, then a) E-flow with TOR /Recommendation by EAC as per CIA&CC study of River Basin.  b) If not the E-Flows maintain criteria for sustaining river ecosystem.	
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

**6. Muck Management Details:**

No. of proposed disposal area/(type of land-Forest/Pvt. land)	
Muck Management Plan	
Monitoring mechanism for Muck Disposal	

**7. Land Area Breakup:**

Private land	
Government land/Forest Land	
Submergence area/Reservoir area	
Land required for project components	
Additional information (if any)	-

**8. Presence of Environmentally Sensitive areas in the study area**

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Reserve Forest/Protected Forest Land		
National Park		
Wildlife Sanctuary		

**9. Court case details:**

Court Case	
Additional information (if any)	

**10. Affidavit/Undertaking details:**

Affidavit/Undertaking	
Additional information (if any)	

**11. Previous EC compliance and necessary approvals:**

Particulars	Letter no. and date
Certified EC compliance report (if applicable)	
Status of Stage- I FC	
Additional detail (If any)	
<b>Is FRA (2006) done for FC-I</b>	

**12. Miscellaneous**

<b>Particulars</b>	<b>Details</b>
Details of consultant	
Project Benefits	
Status of other statutory clearances	
R&R details	
Additional detail (If any)	

**Date:**

**(SIGNATURE OF AUTHORISED REPRESENTATIVE)**

**Place :**

**NAME & DESIGNATION :**

**Contact Nos. & E-mail :**

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

### Details for EC Proposal

(To be provided in only-word format)

#### 1. EAC Meeting Details:

EAC meeting/s	
Date of Meeting/s	
Date of earlier EAC meetings	

#### 2. Project details:

Name of the Proposal	
Proposal No.	
Location (Including Coordinates)	
Company's Name	
CIN no. of Company/user agency	
Accredited Consultant and certificate no.	
Project location (Coordinates /River/ Reservoir)	
Inter- state issue involved	
Proposed on River/ Reservoir	
Type of Hydro-electric project	
Seismic zone	

#### 3. Category details:

Category of the project	
Capacity / Cultural command area (CCA)	
Attracts the General Conditions (Yes/No)	
Additional information (if any)	

#### 4. ToR/EC Details:

ToR Proposal No.	
EAC meeting date	
ToR Letter No.	
ToR grant Date	
Cost of project	
Total area of Project	
Height of Dam from River Bed (EL)	
Details of submergence area	
District to provide irrigation facility (if applicable)	
Details of tunnels on upper level & lower level and length of canal (if applicable)	
No. of affected Village.	

No. of Affected Families	
Project Benefits	
R&R details	
Catchment area/ Command area	
Types of Waste and quantity of generation during construction/Operation	
Material used for blasting and its composition as per DGMS standards.	
E-Flows for the Project	
Is Projects earlier studied in Cumulative Impact assessment & Carrying Capacity studies(CIA&CC) for River in which project located. If yes then c) E-flow with TOR/Recommendation by EAC as per CIA&CC study of River Basin.  d) If not the E-Flows maintain criteria for sustaining river ecosystem.	
Details on provision of fish pass	
Project benefit including employment details (no of employee)	
Area of Compensatory Afforestation (CA) with tentative no of plantation.	
Previous EC details	
EC Compliance Report by R.O, MOEF&CC	

**5. Electricity generation capacity:**

Powerhouse Installed Capacity	
Generation of Electricity Annually	
No. of Units	

**6. Muck Management Details:**

No. of proposed disposal area/ (type of land- Forest/Pvt land)	
Cross section of proposed muck area, Height of muck with slope.	
Distance of muck disposal area(location), from muck generation sources (project area)/River, HFL of proposed muck disposal area.	
Total Muck Disposal Area	
Estimate Muck to be generated	
Transportation	
Monitoring mechanism for Muck Disposal Transportation	

**7. Land Area Breakup:**

Private land	
Government land/Forest Land	
Submergence area/Reservoir area	

Land required for project components	
--------------------------------------	--

**8. Presence of Environmentally Sensitive areas in the study area**

<b>Forest Land/ Protected Area/ Environmental Sensitivity Zone</b>	<b>Yes/No</b>	<b>Details of Certificate/ letter/Remarks</b>
Reserve Forest/Protected Forest Land		
National Park		
Wildlife Sanctuary		
Archaeological sites monuments/historical temples etc		
Additional information (if any)	-	

**Availability of Schedule-I species in study area**

**9. Public Hearing (PH) Details**

Advertisement for PH with date	
Date of PH	
Venue	
Chaired by	
Main issues raised during PH	
No. of people attended	

**10. Brief of base line Environment:**

<b>Particulars</b>	<b>Details</b>
Period of baseline data collection/Sampling period.	
(Air, noise, water, land)	
flora and fauna of the project area, aquatic ecology, etc.	
Brief description on hydrology and water assessment as per the approved Pre-DPR:	
Additional detail (If any)	

**11. Court case details:**

Court Case	
Additional information (if any)	

**12. Status of other statutory clearances**

<b>Particulars</b>	<b>Letter no. and date</b>
Status of Stage- I FC	
Approval of Central Water Commission	

Approval of Central Electricity Authority	
Additional detail (If any)	
<b>Is FRA (2006) done for FC-I</b>	

**13. Details of the EMP**

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)

**14. ADS details (If any)**

S. No	ADS Point	Reply

**Date:**

**(SIGNATURE OF AUTHORISED REPRESENTATIVE)**

**Place :**

**NAME & DESIGNATION :**

**Contact Nos. & E-mail :**

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

**(Details for amendment in ToR/EC- word format)****1. EAC Meeting Details:**

EAC meeting/s	
Date of Meeting/s	
Date of earlier EAC meetings	

**2. Project details:**

Name of the Proposal	
Proposal No.	
Location (Including Coordinates)	
Company's Name	
CIN no. of Company/user agency	
Accredited Consultant and certificate no.	
Project location (Coordinates /River/ Reservoir)	
Inter- state issue involved	

**3. Category details:**

Category of the project	
Capacity / Cultural command area (CCA)	
Attracts the General Conditions (Yes/No)	
Additional information (if any)	

**4. ToR/EC Details:**

Earlier EC Proposal No.	
Earlier EAC meeting date	
EC Letter No.	
EC grant Date	
Cost of project	
Total area of Project	
Date of online application for amendment in ToR/EC was	
Details of CTE/CTO	

**5. Electricity generation capacity:**



Powerhouse Installed Capacity	
Generation of Electricity Annually	
No. of Units	

**6.** Detail reason for amendment in ToR/EC:

**7.** The comparative statement with reference to earlier proposal and revised proposal is to be given in table format:

S. No.	Details	Original	Revised

**8. Court case details:**

Court Case	
Additional information (if any)	

**9. ADS details (If any)**

S. No	ADS Point	Reply

**Date:**

**(SIGNATURE OF AUTHORISED REPRESENTATIVE)**

**Place :**

**NAME & DESIGNATION :**

**Contact Nos. & E-mail :**

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

**Annexure IV (in pdf format on letter head)**

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

**Undertaking**

This is to certify that the information provided in Form-1/Form-2/Form-4/Form-5 (whichever is applicable) in physical form and/or in .pdf format [(as applicable) in PARIVESH], to the Ministry/EAC members and PPT presentation during the EAC meeting held on 01.07.2022 have no deviation in respect of the project \_\_\_\_\_.

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.

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 fresh EC/ToR/Amendment in EC. If any deviation is noticed subsequent to grant of fresh EC/ToR/amendment in EC, the same shall be liable to be withdrawn at the cost of the project proponent.

**Authorized Signature**

**Date**