



Government of India

Ministry of Environment, Forest and Climate Change

IA Division

(River Valley and Hydroelectric Projects)



AGENDA FOR 48TH MEETING OF EXPERT APPRAISAL COMMITTEE (RIVER VALLEY & HYDRO-ELECTRIC PROJECTS)

Agenda ID	EC/AGENDA/EAC/879137/6/2023
Agenda Creation Date	16/06/2023
Title of Meeting	AGENDA FOR 48TH MEETING OF EXPERT APPRAISAL COMMITTEE (RIVER VALLEY & HYDRO-ELECTRIC PROJECTS)
Meeting Mode	Virtual
Meeting Venue	N/A
Meeting Date	Start Date : 26/06/2023 End Date : 27/06/2023

	Meeting Date	Meeting Mode	Start Time	End Time
Day 1	26/06/2023	Virtual	10:30 AM	05:30 PM
Day 2	27/06/2023	Virtual	10:30 AM	05:30 PM

List of Proposals

Sr. No.	Proposal No.	Proposal Details	Location	Meeting Date	Proponent
1	IA/AP/RIV/430371/2023	Project Name :Chitravathi Pumped Storage Hydro-Electric Project Sri Sathya Sai	State: ANDHRA PRADESH District: SRI SATHYA SAI	26/06/2023	NEW AND RENEWABLE ENERGY DEVELOPMENT CORPORATION OF ANDHRA

		District of Andhra Pradesh (2*250=500 MW) <b>Proposal For:</b> Fresh EC <b>Activity:</b> 1(c) River Valley/Irrigation projects <b>Sector:</b> RIV			PRADESH LTD (NREDCAP)
2	IA/MH/RIV/430730/2023	<b>Project Name</b> :Koyna-Nivakane Pumped Storage Project (2450 MW) <b>Proposal For:</b> Fresh ToR <b>Activity:</b> 1(c) River Valley/Irrigation projects <b>Sector:</b> RIV	<b>State:</b> MAHARASHTRA <b>District:</b> SATARA	26/06/2023	ADANI GREEN ENERGY LIMITED
3	IA/AP/RIV/431362/2023	<b>Project Name</b> :Gujjili Pumped Storage Hydro Electric Project (1500 MW) <b>Proposal For:</b> Fresh ToR <b>Activity:</b> 1(c) River Valley/Irrigation projects <b>Sector:</b> RIV	<b>State:</b> ANDHRA PRADESH <b>District:</b> ALLURI SITHARAMA RAJU	26/06/2023	NEW AND RENEWABLE ENERGY DEVELOPMENT CORPORATION OF ANDHRA PRADESH LTD (NREDCAP)
4	IA/AP/RIV/432444/2023	<b>Project Name</b> :Yaganti Pumped Storage Project (1000 MW) <b>Proposal For:</b> Fresh ToR <b>Activity:</b> 1(c) River Valley/Irrigation projects <b>Sector:</b> RIV	<b>State:</b> ANDHRA PRADESH <b>District:</b> NANDYAL	26/06/2023	NEW AND RENEWABLE ENERGY DEVELOPMENT CORPORATION OF ANDHRA PRADESH LTD (NREDCAP)
5	IA/CG/RIV/430533/2023	<b>Project Name</b> :Hasdeo Bango Pumped Storage Hydro-Electric Project (1200MW) <b>Proposal For:</b> Fresh ToR <b>Activity:</b> 1(c) River Valley/Irrigation projects <b>Sector:</b> RIV	<b>State:</b> CHHATTISGARH <b>District:</b> KORBA	26/06/2023	CHHATTISGARH STATE POWER GENERATION COMPANY LIMITED

6	IA/UP/RIV/432817/2023	<b>Project Name</b> :Shoma Pumped Storage Project <b>Proposal For:</b> Fresh ToR <b>Activity:</b> 1(c) River Valley/Irrigation projects <b>Sector:</b> RIV	<b>State:</b> UTTAR PRADESH <b>District:</b> SONBHADRA	27/06/2023	TORRENT POWER LIMITED
7	IA/MH/RIV/433000/2023	<b>Project Name</b> :Saidongar Pumped Storage Project <b>Proposal For:</b> Fresh ToR <b>Activity:</b> 1(c) River Valley/Irrigation projects <b>Sector:</b> RIV	<b>State:</b> MAHARASHTRA <b>District:</b> RAIGAD	27/06/2023	TORRENT POWER LIMITED
8	IA/CG/RIV/432001/2023	<b>Project Name</b> :Chikni Pumped Storage Project <b>Proposal For:</b> Fresh ToR <b>Activity:</b> 1(c) River Valley/Irrigation projects <b>Sector:</b> RIV	<b>State:</b> CHHATTISGARH <b>District:</b> SURAJPUR	27/06/2023	CHIKINI ENERGY PRIVATE LIMITED
9	IA/TN/RIV/433374/2023	<b>Project Name</b> :Arunachalam Pumped Storage Project (900 MW) <b>Proposal For:</b> Fresh ToR <b>Activity:</b> 1(c) River Valley/Irrigation projects <b>Sector:</b> RIV	<b>State:</b> TAMIL NADU <b>District:</b> DHARMAPURI	27/06/2023	VOLTHILLS PRIVATE LIMITED

#### Any Other Item(s)

Sr. No.	Proposal No.	Proposal Details	Location
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#### Expert Appraisal Committee Members Details

Sr. No.	Name	Designation	Email ID
1	Dr K Gopakumar	Chairman, EAC	kgopa@iisc.ac.in

2	Dr A K Malhotra	Member (EAC)	ajitkumarmalhotra463@gmail.com
3	Dr Uday Kumar R Y	Member (EAC)	udaykumarry@yahoo.com
4	Dr N Lakshman	Member (EAC)	lnand@rocketmail.com
5	Dr Mukesh Sharma	Member (EAC)	mukesh@iitk.ac.in
6	Dr B K Panigrahi	Member (EAC)	bijayaketan.panigrahi@gmail.com
7	Dr Chandrahas Deshpande	Member (EAC)	chandrahas.despande@welingkar.org
8	Dr Narayan Shenoy K	Member (EAC)	kn.shenoy@manipal.edu
9	Shri Sharvan Kumar	Member (EAC)	Dirhpa3@gmail.com
10	Shri Ashok Kumar Kharya	Member (EAC)	ceenvtmgmt@nic.in
11	Dr J A Johnson	Member (EAC)	jaj@wii.gov.in
12	Dr B K Das	Member (EAC)	amiya.sahoo@icar.gov.in
13	Dr Vijay Kumar	Member (EAC)	vijay.kumar66@nic.in
14	Yogendra Pal Singh	Scientist E	yogendra78@nic.in

<b>Remarks</b>	<b>Agenda</b>
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**AGENDA FOR 48<sup>TH</sup> MEETING OF EXPERT APPRAISAL COMMITTEE (RIVER VALLEY & HYDRO-ELECTRIC PROJECTS) TO BE HELD ON 26<sup>TH</sup> - 27<sup>TH</sup> JUNE, 2023 FROM 10:30AM – 05:30PM 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))/ and ([ia.rivhep@gmail.com](mailto:ia.rivhep@gmail.com)) by 23<sup>rd</sup> June, 2023. E-mails of all members are given at page no. 6 & 7:
  - (a) Duly filled Form as per the format given at page 5.
  - (b) **Executive Summary** of the project along with Annexures I, II, III, IV V, and VI (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 10:00 AM – 10:15 AM on 26.06.2023 and 27.06.2023 for testing purpose. However, the actual meeting will commence at 10:30 AM.
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 48<sup>TH</sup> MEETING OF THE EXPERT APPRAISAL COMMITTEE ON RIVER VALLEY PROJECTS

**DATE** : 26<sup>TH</sup> -27<sup>th</sup> JUNE, 2023  
**TIME** : 10:30 AM – 05:30 PM  
**MODE** : VIDEO-CONFERENCE

Agenda Item No. 48.1	Confirmation of the minutes of 47 <sup>th</sup> EAC meeting.
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### Consideration of Proposals on 26<sup>th</sup> June, 2023

Agenda Item No. 48.2  10:30 AM to 12:30 PM	Chitravathi (Open loop) Pumped Storage Hydro-Electric Project (500 MW) in an area of 136 ha at Village Peddakotla, Tehsil Tadimarri, District Ananthapuramu, Andhra Pradesh by M/s New and Renewable Energy Development Corporation of Andhra Pradesh Ltd. (NREDCAP) – <b>Environmental Clearance (EC)</b> – reg.  [ <b>Proposal No. IA/AP/RIV/430371/2023; F. No. J-12011/12/2021-IA.I (R)</b> ]
Agenda Item No. 48.3  12:30 PM to 01:30 PM	Koyna-Nivakane (Closed loop) Pumped Storage Project (2450 MW) in an area of 312.84 ha at Village Marathwadi, Tehsil Patan, District Satara, Maharashtra by M/s Adani Green Energy Limited – <b>Terms of References (TOR)</b> – reg.  [ <b>Proposal No. IA/MH/RIV/430730/2023; F. No. J-12011/28/2023-IA.I (R)</b> ]
<b>LUNCH BREAK (01:30PM to 02:30PM)</b>	
Agenda Item No. 48.4  02:30 PM to 03:30 PM	Gujjili (Closed loop) Pumped Storage Hydro Electric Project (1500 MW) in an area 272.41 ha at Village Duddikonda & Bheemavaram, Taluka Ananthagiri and Araku Valley, District Alluri Sitharama Raju, Andhra Pradesh by M/s New and Renewable Energy Development Corporation of Andhra Pradesh Ltd. (NREDCAP) – <b>Terms of References (TOR)</b> – reg.  [ <b>Proposal No. IA/AP/RIV/431362/2023; F. No. J-12011/32/2023-IA.I (R)</b> ]
Agenda Item No. 48.5  03:30 PM to 04:30 PM	Yaganti (Closed loop) Pumped Storage Project (1000 MW) in an area 263.1 ha at Village Katikavanikunta and Pasupula, Taluka Banaganapalli, Nandyal district of Andhra Pradesh by M/s New and Renewable Energy Development Corporation of Andhra Pradesh Ltd. (NREDCAP) – <b>Terms of References (TOR)</b> – reg.  [ <b>Proposal No. IA/AP/RIV/432444/2023; F. No. J-12011/30/2023-IA.I (R)</b> ]
Agenda Item No. 48.6  04:30 PM to 05:30 PM	Hasdeo Bango (Open loop) Pumped Storage Hydro-Electric Project (1200MW) in an area of 195 ha at Village Khirati, Tehsil Podi-Uparoda, District Korba, Chhattisgarh by M/s Chhattisgarh State Power Generation Company Limited – <b>Terms of References (TOR)</b> – reg.  [ <b>Proposal No. IA/CG/RIV/430533/2023; F. No. J-12011/27/2023-IA.I (R)</b> ]

<b>Consideration of Proposals on 27<sup>th</sup> June, 2023</b>	
Agenda Item No. 48.7  10:30 AM to 11:30 PM	Palamuru Rangareddy Lift Irrigation Scheme (Phase II: Irrigation) in Districts of Mahbubnagar, Rangareddy & Nalgonda, Telangana by M/s Irrigation and CAD Department, Government of Telangana – <b>Reconsideration Environmental Clearance (EC)</b> - reg.  [ <b>Proposal No. IA/TG/RIV/289525/2017; F. No. J-12011/31/2017-IA.I (R)</b> ]
Agenda Item No. 48.8  11:30 AM to 12:30 PM	Shoma (Closed loop) Pumped Storage Project (2400 MW) in an area 335.82 ha at Village Bhitari and Shoma, Tehsil Robertsganj, District Sonbhadra, Uttar Pradesh by M/s Torrent Power Limited – <b>Terms of References (TOR)</b> – reg.  [ <b>Proposal No. IA/UP/RIV/432817/2023; F. No. J-12011/31/2023-IA.I (R)</b> ]
Agenda Item No. 48.9  12:30 PM to 01:30 PM	Saidongar (Closed loop) Pumped Storage Project (1200 MW+3000 MW) in an area 412.28 ha at Village Dhak, Kusur and Pali T. Kothal Khalathi, Tehsil Mawal and Karjat, District Raigad, Maharashtra by M/s Torrent Power Limited – <b>Terms of References (TOR)</b> – reg.  [ <b>Proposal No. IA/MH/RIV/433000/2023; F. No. J-12011/33/2023-IA.I (R)</b> ]
<b>LUNCH BREAK (01:30PM to 02:30PM)</b>	
Agenda Item No. 48.10  02:30 PM to 03:30 PM	Chikni (Open loop) Pumped Storage Project Pumped Storage Project (325 MW) in an area of 31.1 ha at Village Chinki, Tehsil Oudgi, District Surajpur, Chhattisgarh by M/s Chikini Energy Private Limited– <b>Terms of References (TOR)</b> – reg.  [ <b>Proposal No. IA/CG/RIV/432001/2023; F. No. J-12011/29/2023-IA.I (R)</b> ]
Agenda Item No. 48.11  03:30 PM to 04:30 PM	Arunachalam (Closed loop) Pumped Storage Project (900 MW) in an area 70 ha at Taluk Harur and Thandrapet, district Dharamapuri and Tiruvannamalai, Tamil Nadu by M/s Volthills Private Limited – <b>Terms of References (TOR)</b> – reg.  [ <b>Proposal No. IA/TN/RIV/433374/2023; F. No. J-12011/34/2023-IA.I (R)</b> ]
Agenda Item No. 48.12  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:				
1.				
2.				
3.				
4.				
Consultants:				
5.				
6.				

### 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.	<b>Dr. N. Lakshman</b> 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.	<b>Dr. Mukesh Sharma</b> 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.	<b>Dr. B. K. Panigrahi</b> 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.	<b>Dr. Chandrahas Deshpande</b> 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.	<b>Dr. A. K. Malhotra</b> 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.	<b>Dr. Uday Kumar R. Y.</b> NITK, Surathkal E-mail Id: <a href="mailto:udaykumarry@yahoo.com">udaykumarry@yahoo.com</a> ,	By mail
8.	<b>Dr. Narayan Shenoy K.</b> 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.	<b>Shri Sharvan Kumar</b> , 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:krsharvan@nic.in">krsharvan@nic.in</a>	By mail
10.	<b>Shri Ashok Kumar Kharya</b> 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 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>	By mail
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.	
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## 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.**

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**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	
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## 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		
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:

Particulars	Details
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

Particulars	Letter no. and date
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>	
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**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.**

\*\*\*\*

**Subject: ..... - Environmental Clearance/ToR - reg.**

**[Proposal NO....., F.NO.....]**

The Project Proponent and the accredited Consultant M/s. ...., made a detailed presentation on the salient features of the project and informed that:

- i. 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 (Hydro River Valley Sector) in its .....<sup>th</sup> meeting held during ..... and recommended for grant of Terms of References (ToRs) for the Project. The ToR has been issued by Ministry vide letter No.J.....; dated .....**(In case of EC Proposal)**
- iii. The project is 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 of .....in.....direction.
- x. Ambient air quality monitoring was carried out at ..... locations during ..... to ..... and the baseline data indicates the ranges of concentrations as: PM<sub>10</sub> (...-... $\mu g/m^3$ ), PM<sub>2.5</sub> (...-... $\mu g/m^3$ ), SO<sub>2</sub> (...-... $\mu g/m^3$ ) and NO<sub>2</sub> (...-... $\mu g/m^3$ ). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be .....  $\mu g/m^3$ , .....  $\mu g/m^3$  and .....  $\mu g/m^3$  with respect to PM<sub>10</sub>, SO<sub>x</sub> and NO<sub>x</sub>. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS). **(In case of EC Proposal)**
- xi. Details of Solid waste/ Hazardous waste generation/ Muck and its management.....

- xii. Public Hearing for the proposed project has been conducted by the State Pollution Control Board on .....The main issues raised during the public hearing are related to.....**(Applicable for EC proposals)**
- xiii. Details of Certified compliance report submitted by RO, MoEF&CC. **(In case of expansion Proposal).**
- xiv. Status of Litigation Pending against the proposal, if any.
- xv. The silent features of the project are as under:-

**EAC Meeting Details:**

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

**Project details:**

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

**Category details:**

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

**Electricity generation capacity:**

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

**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 e) E-flow with TOR /Recommendation by EAC as per CIA&CC study of River Basin.  f) If not the E-Flows maintain criteria for sustaining river ecosystem.	

#### **Muck Management Details:**

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

#### **Land Area Breakup:**

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

#### **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		

#### **Court case details:**

Court Case	
Additional information (if any)	

#### **Affidavit/Undertaking details:**

Affidavit/Undertaking	
Additional information (if any)	

#### **Previous EC compliance and necessary approvals:**

<b>Particulars</b>	<b>Letter no. and date</b>
Certified EC compliance report (if applicable)	
Status of Stage- I FC	

Additional detail (If any)	
<b>Is FRA (2006) done for FC-I</b>	

### Miscellaneous

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

\*\*\*\*



**Format for brief summary for EC/ToR Amendment**

The proposal is for amendment in the **Terms of Reference/Environmental Clearance** granted by the Ministry vide letter dated.....for the project ..... located at ..... in favour of M/s .....

2. The project proponent has requested for amendment in the ToR/EC with the details are as under;

<b>S. No.</b>	<b>Para of ToR/EC issued by MoEF&amp;CC</b>	<b>Details as per the ToR/EC</b>	<b>To be revised/ read as</b>	<b>Justification/ reasons</b>

\*\*\*\*

**(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 26.06.2023/27.06.2023 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**