



Government of India

Ministry of Environment, Forest and Climate Change

IA Division

(River Valley and Hydroelectric Projects)



AGENDA OF 04TH MEETING OF THE EXPERT APPRAISAL COMMITTEE ON RIVER VALLEY PROJECTS

Agenda ID	EC/AGENDA/EAC/603648/11/2023
Agenda Creation Date	15/11/2023
Title of Meeting	AGENDA OF 04TH MEETING OF THE EXPERT APPRAISAL COMMITTEE ON RIVER VALLEY PROJECTS
Meeting Mode	Virtual
Meeting Venue	N/A
Meeting Date	Start Date : 24/11/2023 End Date : 24/11/2023

Meeting Date	Meeting Mode	Start Time	End Time
Day 1 24/11/2023	Virtual	10:30 AM	05:30 PM

List of Proposals

Sr. No.	Proposal Details	Location	Meeting Date	Proponent
1	Proposal No :IA/AP/RIV/451968/2023 File No :J-12011/58/2023-IA.I (R) Project Name :Yadaballi Pumped Storage Project (1200 MW) Proposal For : Fresh ToR	State: ANDHRA PRADESH District: ANNAMAYYA	24/11/2023	NEW AND RENEWABLE ENERGY DEVELOPMENT CORPORATION OF ANDHRA PRADESH LTD (NREDCAP)

	Activity: 1(c) River Valley/Irrigation projects Sector: RIV			
2	Proposal No :IA/AP/RIV/452357/2023 File No :J-12011/59/2023-IA.I (R) Project Name :Rayavaram Hydro-Electric Pumped Storage Project (1500 MW) Proposal For: Fresh ToR Activity: 1(c) River Valley/Irrigation projects Sector: RIV	State: ANDHRA PRADESH District: ANNAMAYYA	24/11/2023	NEW AND RENEWABLE ENERGY DEVELOPMENT CORPORATION OF ANDHRA PRADESH LTD (NREDCAP)

Any Other Item(s)

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

Sr. No.	Name	Designation	Email ID
1	Prof. G. J. Chakrapani	Chairman	cha*****@gmail.com
2	Shri Ajay Kumar Lal	Member	akl****@gmail.com
3	Dr Mukesh Sharma	Member (EAC)	muk***@iitk.ac.in
4	Dr Uday Kumar R Y	Member (EAC)	uda*****@yahoo.com
5	Dr J A Johnson	Member (EAC)	jaj@wii.gov.in
6	Shri Janardan Choudhary	Member	jan*****@gmail.com
7	Dr. J V Tyagi	Member	jvt*****@gmail.com
8	Shri Kartik Sapre	Member	kar*****@gmail.com
9	Shri Sharvan Kumar	Member	krs*****@nic.in
10	Shri Alok Paul Kalsi	Member	jaj@wii.gov.in
11	Dr. A.K. Sahoo	Member	ami***@gmail.com
12	Yogendra Pal Singh	Scientist E	yog*****@nic.in

Remarks	--
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AGENDA FOR 04th MEETING OF EXPERT APPRAISAL COMMITTEE (RIVER VALLEY PROJECTS) TO BE HELD ON 24TH NOVEMBER, 2023 FROM 10:30 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 EAC Members and Ministry Officials **Shri Yogendra Pal Singh, Scientist 'E'** (yogendra78@nic.in)/ **Dr. Saurabh Upadhyay, Scientist 'C'** (saurabh.upadhyay85@gov.in)/ and (ia.rivhep@gmail.com) by 21st November, 2023. 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. The presentation should be completed within 20 minutes to facilitate longer discussion on various environment aspects on the project proposal.
6. 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.
7. 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 10:00AM – 10:15AM on 24.11.2023 for testing purpose. However, the actual meeting will commence at 10:30AM.
8. 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.

9. 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).**
10. 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.
11. A short duration videography of the project area is to be presented before the EAC for better understanding of the project site, if available.
12. 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.**
13. 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.
14. 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.
15. Mobile Phone should be kept on switched off/silent mode during the meeting.

AGENDA OF 04TH MEETING OF THE EXPERT APPRAISAL COMMITTEE ON RIVER VALLEY PROJECTS

DATE : 24TH NOVEMBER, 2023
TIME : 10:30 AM – 05:30 PM
MODE : VIDEO-CONFERENCE

Agenda Item No. 4.1	Confirmation of the minutes of 3 rd EAC meeting.
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Consideration of Proposals

Agenda Item No. 4.2 10:30 AM to 11:30 AM	Yadaballi Closed Loop Pumped Storage Project (1200 MW) in an area of 195.82 ha at Village Yadaballi, District Annamayya, Andhra Pradesh by M/s New and Renewable Energy Development Corporation of Andhra Pradesh Ltd. (NREDCAP) – Terms of References (TOR) – reg. [Proposal No. IA/AP/RIV/451968/2023; F. No. J-12011/58/2023-IA.I (R)]
Agenda Item No. 4.3 11:30 AM to 12:30 PM	Rayavaram Closed Loop Pumped Storage Project (1500 MW) in an area of 469.71 ha located at village Rayavaram, Mandal T. Sundupalli, District Annamayya, Andhra Pradesh by M/s New and Renewable Energy Development Corporation of Andhra Pradesh Ltd. (NREDCAP) – Terms of References (TOR) – reg. [Proposal No. IA/AP/RIV/452357/2023; F. No. J-12011/59/2023-IA.I (R)]
Agenda Item No. 4.4 12:30 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	Role	E-mail
1.	Prof. G. J. Chakrapani Professor Department of Earth Sciences, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand	Chairman	govind.chakrapani@es.iitr.ac.in , chakrapani.govind@gmail.com ,
2.	Dr. Udaykumar R. Y. Professor (HAG) Department of Electrical and Electronics Engineering NITK, Surathkal - 575025	Member	udaykumarry@yahoo.com , udayakumarry@gmail.com , udaya@nitk.edu.in ,
3.	Dr. Mukesh Sharma Professor Civil Engg. Department, IIT Kanpur Kanpur – 208 016	Member	mukesh@iitk.ac.in ,
4.	Shri Janardan Choudhary Ex Director (Technical) NHPC Ltd. House No. L-91, Jal Vidyut Apartments, Sector – 21C, Faridabad – 121001	Member	janardan.choudhary@gmail.com ,
5.	Dr. J V Tyagi Former Director National Institute of Hydrology I-1, Solani Enclave, New Adarsh Nagar, Roorkee – 247667 Uttarakhand	Member	jv_tyagi@yahoo.com , jvtyagi62@gmail.com ,
6.	Shri Kartik Sapre Chief Executive Narmada Samagra Nyas “Nadi ka Ghar”, Senior MIG – 2, Ankur Colony, Shivaji Nagar, Bhopal - 462016	Member	kartiksapre@gmail.com , kssapre@gmail.com ,
7.	Shri Ajay Kumar Lal 260, Phase II, Vasant Vihar Colony, Dehradun, Uttarakhand – 248 006	Member	aklal87@gmail.com ,
8.	Representative of Central Electricity Authority (CEA), Sewa Bhawan, R. K. Puram, Sector-I, New Delhi - 110 066	Member	
9.	Representative of Central Water Commission (CWC), Sewa Bhawan, R. K. Puram, New Delhi - 110 066	Member	
10.	Representative of Wildlife Institute of India (WII), Post Box No.18,	Member	

	Chandrabani, Dehradun - 248 001, Uttarakhand		
11.	<p>Dr B. K. Das</p> <p>Dr. A.K. Sahoo</p> <p>Representative of Central Inland Fisheries Research Institute (CIFRI), Barrakpore - 800 120, West Bengal</p>	Member	<p>basantakumard@gmail.com,</p> <p>amiya7@gmail.com,</p>
12.	<p>Shri Yogendra Pal Singh</p> <p>Scientist 'E'</p> <p>Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003.</p>	Member Secretary	<p>yogendra78@nic.in</p>

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)	
Is FRA (2006) done for FC-I	

12. Miscellaneous

Particulars	Details
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	
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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)	

Is FRA (2006) done for FC-I	
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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	
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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 24.11.2023 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