



**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**IA Division**  
**(River Valley and Hydroelectric Projects)**



**AGENDA OF 10TH MEETING OF THE EXPERT APPRAISAL COMMITTEE**

<b>Agenda ID</b>	EC/AGENDA/EAC/408274/4/2024		
<b>Agenda Creation Date</b>	19/04/2024		
<b>Title of Meeting</b>	AGENDA OF 10TH MEETING OF THE EXPERT APPRAISAL COMMITTEE		
<b>Meeting Mode</b>	Virtual		
<b>Meeting Venue</b>	N/A		
<b>Meeting Date</b>	<b>Start Date</b> : 29/04/2024 <b>End Date</b> : 29/04/2024		
<b>Meeting Date</b>	<b>Meeting Mode</b>	<b>Start Time</b>	<b>End Time</b>
Day 1	29/04/2024	Virtual	10:30 AM 02:30 PM

**List of Proposals**

<b>Sr. No.</b>	<b>Proposal Details</b>	<b>Location</b>	<b>Meeting Date</b>	<b>Proponent</b>
1	<b>Proposal No</b> :IA/UP/RIV/459501/2024 <b>File No</b> :J-12011/08/2024-IA-I(R) <b>Project Name</b> :Chichlik Pumped Storage Hydro Project (1560 MW) <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	29/04/2024	AVAADA WATERBATTERY PRIVATE LIMITED

2	<b>Proposal No</b> :IA/MH/RIV/462841/2024 <b>File No</b> :J-12011/38/2023-IA.I (R) <b>Project Name</b> :Shirawta Off Stream Open Loop Pumped Storage Project (1800 MW) <b>Proposal For</b> : Amendment in ToR <b>Activity</b> : 1(c) River Valley/Irrigation projects <b>Sector</b> : RIV	<b>State</b> : MAHARASHTRA <b>District</b> : PUNE	29/04/2024	The Tata Power Co. Ltd.
3	<b>Proposal No</b> :IA/AR/RIV/466561/2024 <b>File No</b> :J-12011/40/2009-IA-I(R) <b>Project Name</b> :Kalai II Hydro Electric Project <b>Proposal For</b> : Fresh ToR <b>Activity</b> : 1(c) River Valley/Irrigation projects <b>Sector</b> : RIV	<b>State</b> : ARUNACHAL PRADESH <b>District</b> : ANJAW	29/04/2024	THDC INDIA LIMITED
4	<b>Proposal No</b> :IA/MH/RIV/461164/2024 <b>File No</b> :J-12011/21/2022-IA.I (R) <b>Project Name</b> :Malshej Ghat Bhorande Pumped Storage Project (1440 MW) <b>Proposal For</b> : Amendment in ToR <b>Activity</b> : 1(c) River Valley/Irrigation projects <b>Sector</b> : RIV	<b>State</b> : MAHARASHTRA <b>District</b> : PUNE	29/04/2024	ADANI GREEN ENERGY LIMITED

#### Any Other Item(s)

Sr. No.	Proposal Name.	Proposal Details	Location
---------	----------------	------------------	----------

#### Expert Appraisal Committee Members Details

Sr. No.	Name	Designation	Email ID
1	Prof G J Chakrapani	Chairman, EAC	cha*****@gmail.com
2	Dr Mukesh Sharma	Member (EAC)	muk***@iitk.ac.in
3	Dr Uday Kumar R Y	Member (EAC)	uda*****@yahoo.com
4	Dr J A Johnson	Member (EAC)	jaj@wii.gov.in
5	Dr J V Tyagi	Member (EAC)	jvt*****@gmail.com
6	Shri Kartik Sapre	Member (EAC)	kar*****@gmail.com
7	Shri Ajay Kumar Lal	Member (EAC)	akl****@gmail.com
8	Shri Alok Paul Kalsi	Member (EAC)	emo***@nic.in

9	Dr A K Sahoo	Member (EAC)	ami***@gmail.com
10	Shri Rajeev Varshney	Member	rva*****@gov.in
11	Mr Munna Kumar Shah	Scientist E	mun*****@gov.in

<b>Remarks</b>	<b>9th EAC MEETING</b>
----------------	------------------------



**AGENDA FOR 9<sup>TH</sup> MEETING OF EXPERT APPRAISAL COMMITTEE (RIVER VALLEY & HYDRO-ELECTRIC PROJECTS) TO BE HELD ON 29<sup>TH</sup> APRIL, 2024 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 members immediately by **24<sup>th</sup> APRIL, 2024 failing which the proposal shall not be considered for meeting**. E-mails of all members are mentioned below with Agenda.
  - a. Duly filled in Agenda Form given at page No. 3.
  - b. Basic Information in the Formats given at page Nos. 6-19.
  - c. 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 meeting.
  - d. .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.).
  - e. Presentation (.pdf to all members, PPT format to EAC Secretariat officials (**Shri Munna Kumar Shah, Scientist 'E' & Member Secretary ([munna.shah@gov.in](mailto:munna.shah@gov.in))/ Dr. Saurabh Upadhyay, Scientist 'C' ([saurabh.upadhyay85@gov.in](mailto:saurabh.upadhyay85@gov.in))/ [ia.rivhep@gmail.com](mailto:ia.rivhep@gmail.com)**).
  - f. Duly filled in Undertaking at pg.20
  - 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 consideration in the EAC meeting** 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 10:00AM – 10:15 AM on 29.04.2024 for testing purpose. However, the actual meeting will commence at 10:30AM.
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. Harish, Moderator, NIC (Mobile No. 8800571304] / Mr. Mukesh, Moderator, NIC (Mobile No. 8700847932) (email- [support-ipb@nic.in](mailto: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. For any clarification, Shri Munna Kumar Shah, Scientist 'E' at 011- 20819177 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, EIA/EMP, Executive Summary, Public Hearing proceedings and 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. The project proponents should submit only an Executive Summary (it should not normally exceed 25 pages) along with PPTs in hard form to EAC members.
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. In addition to the above information, an affidavit/undertaking is required to be submitted by the Project Proponent to the Ministry to the effect, namely:
  - a. That there is no construction done at the site or the construction done without any deviation as per previous EC obtained (Ref.)
  - b. Affidavit should also submit that there is no litigation on the project either at NGT or any other court of Law.
  - c. The land has been purchased by ..... / allotted by ..... Development authority.
  - d. The land is in our possession and there is no R&R issue.
  - e. There is no difference in the documents submitted i.e., Form 1, 1A, Conceptual Plan, Form-2, EIA/EMP report and presentation being made to the EAC.
  - f. Locations of the project are not clashing-overlapping/close proximity to any other projects.
  - g. Reason for submitting the project at MoEF&CC.
15. Any changes/modification with respect to the Agenda, Venue etc., would be conveyed through the Portal only. Please keep checking 'PARIVESH PORTAL (<https://parivesh.nic.in>) for updates.
16. Mobile Phone should be kept on switched off/silent mode during the meeting.

**AGENDA OF 10<sup>TH</sup> MEETING OF THE EXPERT APPRAISAL COMMITTEE ON RIVER VALLEY PROJECTS**

**DATE** : 29<sup>TH</sup> APRIL, 2024  
**TIME** : 10:30 AM – 05:30 PM  
**MODE** : VIDEO-CONFERENCE

<b>Confirmation of the minutes of 8<sup>th</sup> EAC Meeting</b>	
--	--

<p>Agenda Item No. 10.1</p> <p>10:30 AM to 11:15 AM</p>	<p>Chichlik Pumped Storage Hydro Project (1560 MW) in an area of 325.3 Ha located at Village Argarh, Chichli, Khuraila and Pokharriya, Sub District Robertsganj, District Sonbhadra (Uttar Pradesh) by M/s Avaada Waterbattery Private Limited – <b>Reconsideration of Terms of Reference (TOR)</b> – reg</p> <p><b>[Proposal No. IA/UP/RIV/459501/2024; F. No. J-12011/08/2024-IA-I(R)]</b></p>
<p>Agenda Item No. 10.2</p> <p>11:15 AM to 11:45 AM</p>	<p>Shirawta Off Stream Open Loop Pumped Storage Project (1800 MW) in an area of 197.9 ha (change in land use with increase in forest area from 60.10 ha to 160.783 ha) at Village Khandshi, Tehsil Maval, District Pune, Maharashtra by M/s The Tata Power Company Limited – <b>For Amendment in Terms of References (TOR)</b> – reg.</p> <p><b>[Proposal No. IA/MH/RIV/462841/2024; F. No. J-12011/38/2023-IA.I (R)]</b></p>
<p>Agenda Item No. 10.3</p> <p>11:45 AM to 12:45 PM</p>	<p>Kalai II Hydro Electric Project (Run-of-the-River) of 1200 MW located in Tehsil Hawaii Town, District Anjaw, Arunachal Pradesh by M/s THDC India Limited – <b>For Terms of Reference - reg.</b></p> <p><b>[Proposal No.: IA/AR/RIV/466561/2024 ; F. No. J-12011/40/2009-IA-I(R)]</b></p>
<p>Agenda Item No. 10.4</p> <p>12:45 PM to 01:15 PM</p>	<p>Malshej Ghat Bhorande Pumped Storage Project of capacity 1440 MW (change in capacity and land area) at village Adoshi &amp; Bhorande, Tehsil Junnar &amp; Murbad, District Pune &amp; Thane (Maharashtra) by M/s Adani Green Energy Limited - <b>Amendment in Terms of Reference - reg.</b></p> <p><b>[Proposal No. IA/MH/RIV/461164/2024 ; F. No. J-12011/21/2022-IA.I (R)]</b></p>
<p>Agenda Item No. 10.5</p> <p>01:15 PM onwards</p>	<p>Any other items with the permission of the Chair</p>

**Agenda Form:**

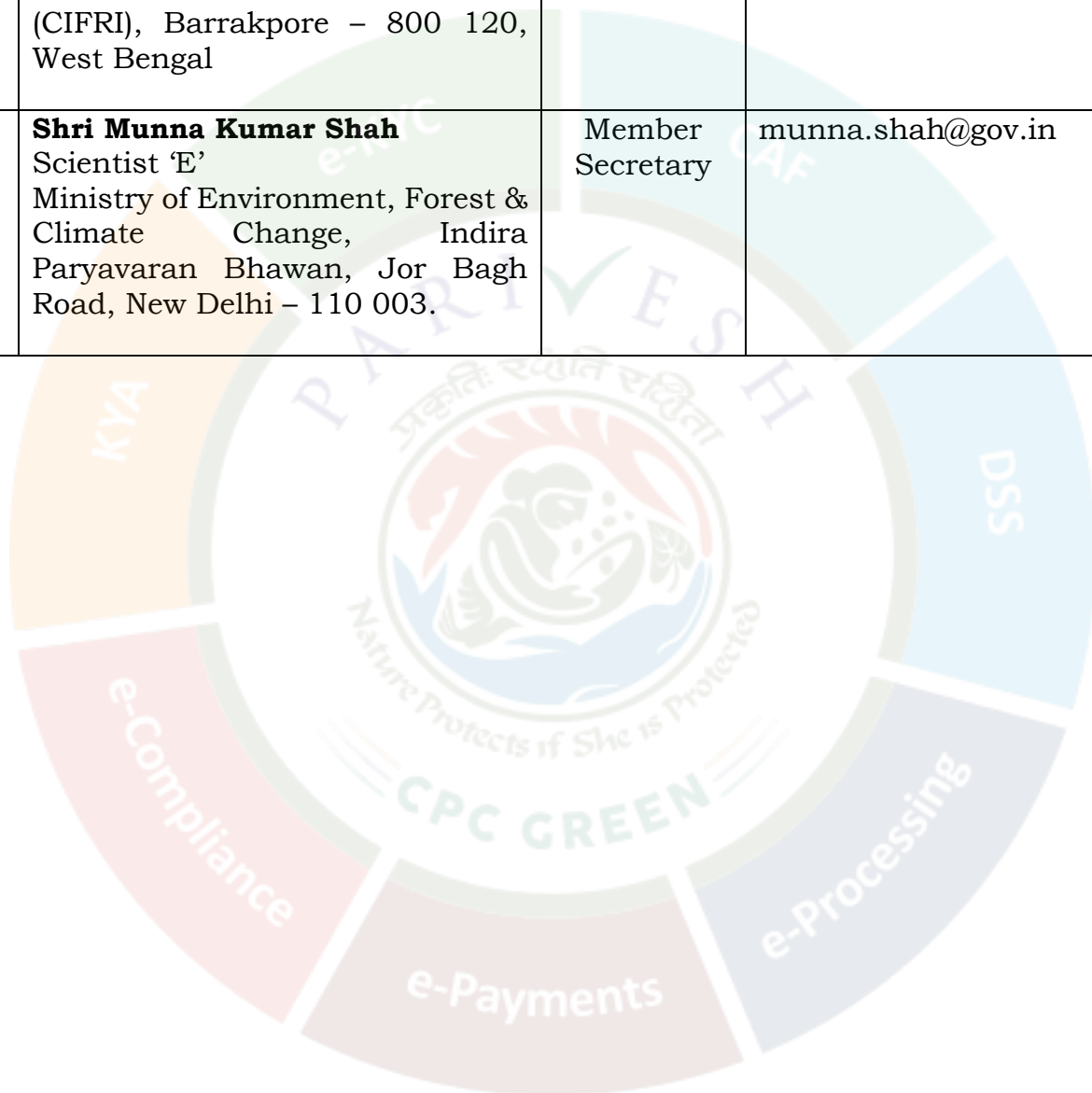
Agenda No.	Project Proponent Organization:		
	Consultant Organization:		
	Subject:		
Attendance Sheet:			
S.No.	Name	E-mail & Phone Number	Whether 'Video Conference' access is required or not.  (Yes/No)
Project Proponent:			
Name and Phone no. of Coordinator for video-conference:			
1.			
2.			
3.		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

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

<b>S. No.</b>	<b>Name &amp; Organization</b>	<b>Role</b>	<b>E-mail</b>
1.	<b>Prof. G. J. Chakrapani</b> Professor Department of Earth Sciences, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand	<b>Chairman</b>	govind.chakrapani@es.iitr.ac.in, chakrapani.govind@gmail.com,
2.	<b>Dr. Udaykumar R. Y.</b> Professor (HAG) Department of Electrical and Electronics Engineering NITK, Surathkal - 575 025	Member	udaykumarry@yahoo.com, udayakumarry@gmail.com, udaya@nitk.edu.in,
3.	<b>Dr. Mukesh Sharma</b> Professor Civil Engg. Department, IIT Kanpur Kanpur - 208 016	Member	mukesh@iitk.ac.in,
4.	<b>Dr. J V Tyagi</b> Former Director National Institute of Hydrology I-1, Solani Enclave, New Adarsh Nagar, Roorkee - 247667 Uttarakhand	Member	jv_tyagi@yahoo.com, jvtyagi62@gmail.com,
5.	<b>Shri Kartik Sapre</b> Chief Executive Narmada Samagra Nyas "Nadi ka Ghar", Senior MIG - 2, Ankur Colony, Shivaji Nagar, Bhopal - 462016	Member	kartiksapre@gmail.com, Kssapre@gmail.com,
6.	<b>Shri Ajay Kumar Lal</b> 260, Phase II, Vasant Vihar Colony, Dehradun, Uttarakhand - 248 006	Member	akl187@gmail.com,
7.	<b>Shri Rajeev Varshney</b> (Director, HPA) Representative of Central Electricity Authority (CEA), Sewa Bhawan, R. K. Puram, Sector-I, New Delhi - 110 066	Member	rvashey.cea@gov.in
8.	<b>Shri Alok Paul Kalsi, Director (EM)</b> Representative of Central Water Commission (CWC), Sewa Bhawan, R. K. Puram, New Delhi - 110 066	Member	emodte@nic.in



9.	<b>Dr. J.A. Johnson, Scientist - F</b> Representative of Wildlife Institute of India (WII), Post Box No.18, Chandrabani, Dehradun - 248 001, Uttarakhand	Member	jaj@wii.gov.in
10.	<b>Dr B. K. Das, Director</b>  <b>Dr. A. K. Sahoo, Senior Scientist</b>  Representative of Central Inland Fisheries Research Institute (CIFRI), Barrakpore - 800 120, West Bengal	Member	basantakumard@gmail.com , amiya7@gmail.com
11.	<b>Shri Munna Kumar Shah</b> Scientist 'E' Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 110 003.	Member Secretary	munna.shah@gov.in



**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**

Particulars	Details
Details of consultant	

Project Benefits	
Status of other statutory clearances	
R&R details	
Additional detail (If any)	

**Date:**

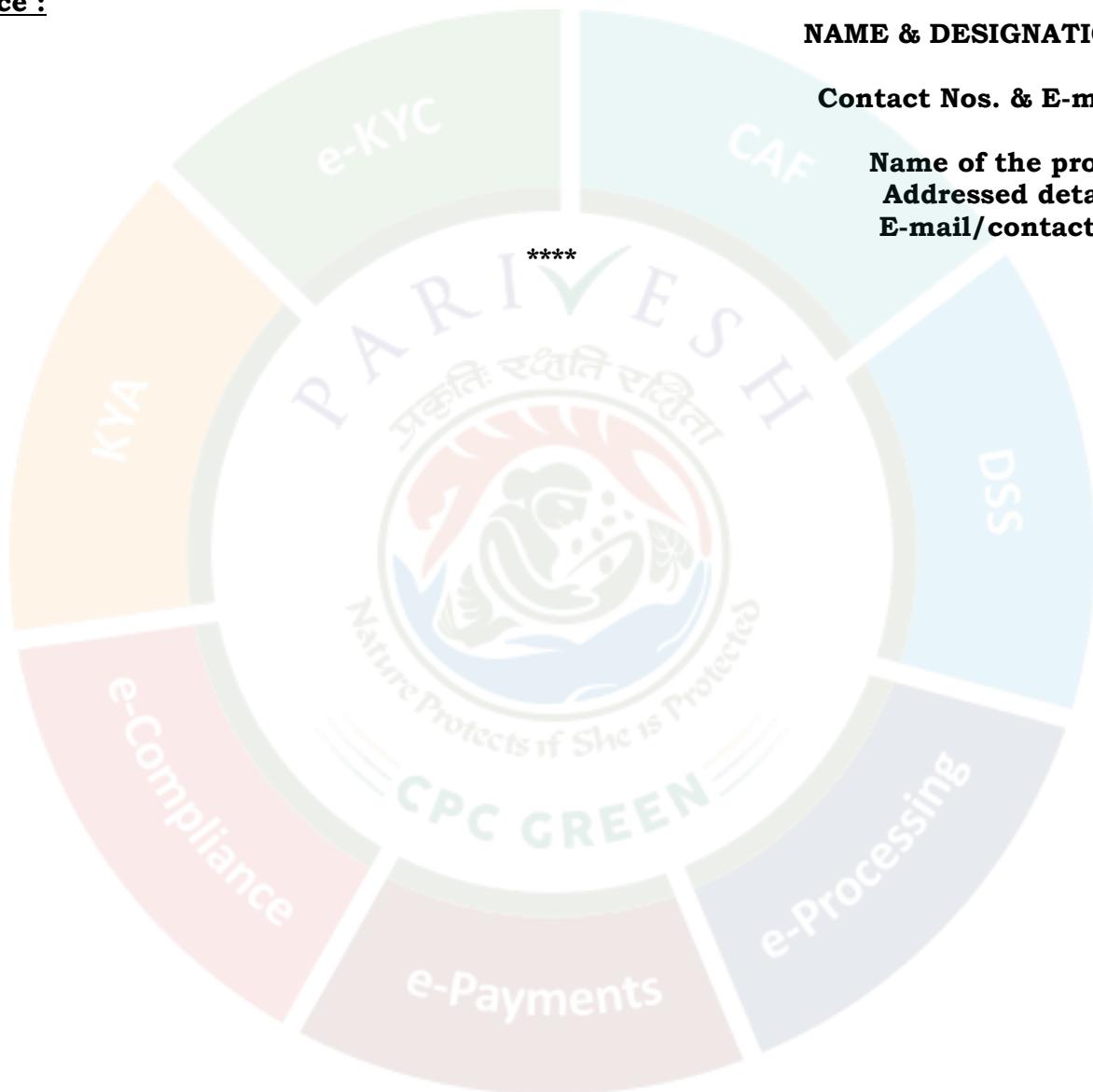
**(SIGNATURE OF AUTHORISED REPRESENTATIVE)**

**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	

**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:**

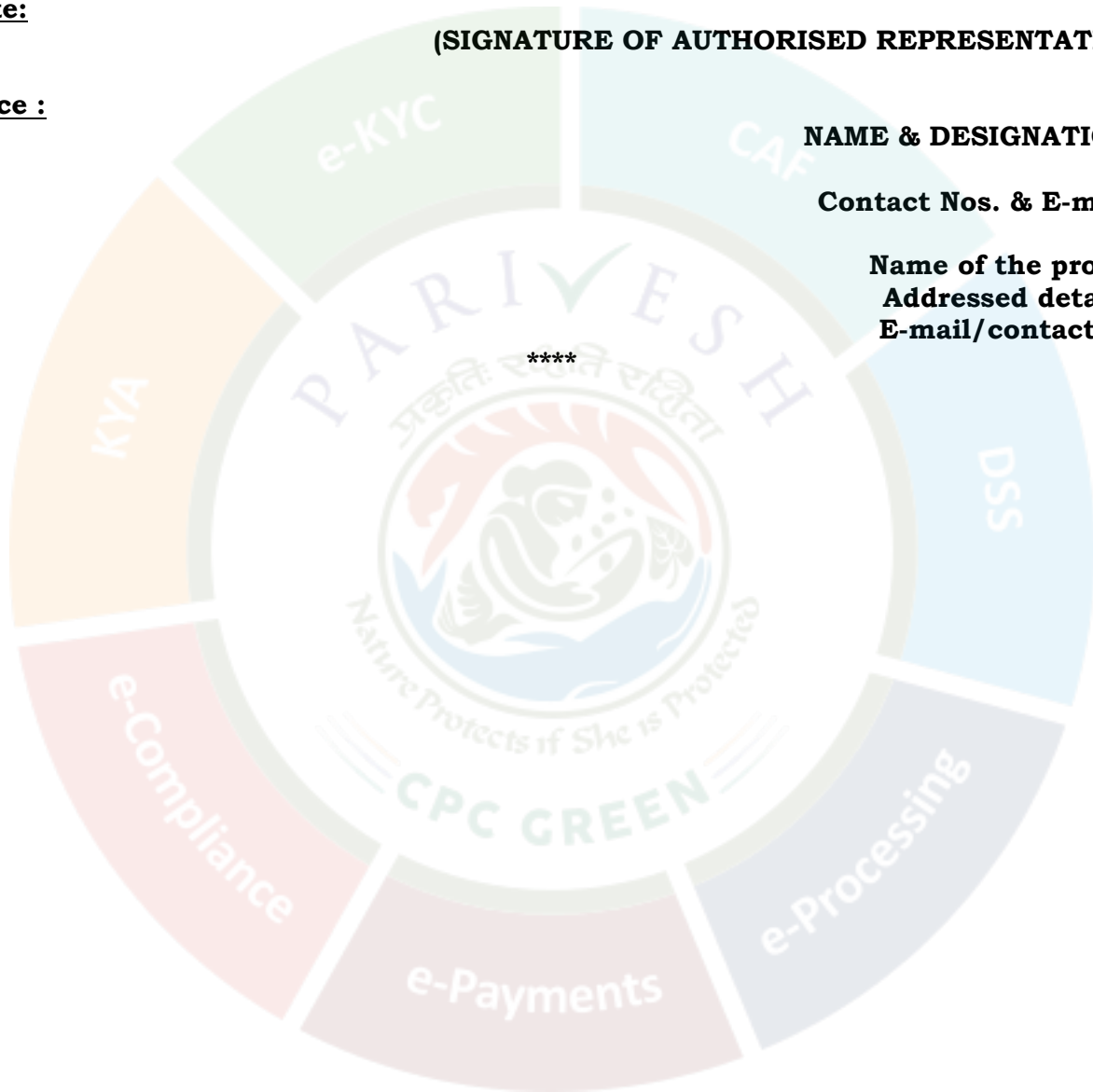
**(SIGNATURE OF AUTHORISED REPRESENTATIVE)**

**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, Validity 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. The geographical co-ordinate of the project are .....
- v. Ministry had issued EC earlier vide letter no. ....; dated ..... to the existing project... ..... in favour of M/s. ....( **in Expansion case**/if applicable).
- vi. The ..... Project envisages construction of:
- vii. **Land requirement:**
- viii. **Demographic details in 10 km radius of project area:**
- ix. **Water requirement:**
- x. **Project Cost:** 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.
- xi. **Project Benefit:** 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....).
- xii. **Environmental Sensitive area:** 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.
- xiii. **MoU / any other clearance/ permission signed with State government:**
- xiv. **Resettlement and rehabilitation:**
- xv. **Scheduled -I species:**

xvi. **Alternative Studies:**

xvii. **Baseline Environmental Scenario: (Applicable for EC proposals)**

Period	From ----- to -----
AAQ parameters at -- locations (min. & Max.)	<ul style="list-style-type: none"> <li>• PM<sub>10</sub> = -- to -- µg/m<sup>3</sup></li> <li>• PM<sub>2.5</sub> = -- to -- µg/m<sup>3</sup></li> <li>• SO<sub>2</sub> = -- to --µg/m<sup>3</sup></li> <li>• NO<sub>x</sub> = -- to -- µg/m<sup>3</sup>.</li> <li>• CO = ---- to ---- mg/m<sup>3</sup></li> <li>• NH<sub>3</sub>=</li> <li>• Pb=</li> <li>• As =</li> <li>• Ni=</li> </ul>
Incremental GLC Level	<ul style="list-style-type: none"> <li>• PM<sub>2.5</sub> = Max. GLC : ---- µg/m<sup>3</sup></li> <li>• PM<sub>10</sub> = Max. GLC : ---- µg/m<sup>3</sup></li> <li>• SO<sub>2</sub> = Max GLC: ---- µg/m<sup>3</sup></li> <li>• NO<sub>x</sub> = Max GLC: ---- µg/m<sup>3</sup></li> </ul>
River water samples (--- samples)	<p>pH ---to ---, Dissolved Oxygen: ---to --- mg/lit; Total Dissolved Solids: ---to --- mg/lit; Total Hardness (as CaCO<sub>3</sub>): ---to --- mg/lit &amp; total Alkalinity (asCaCO<sub>3</sub>): ---to --- mg/lit; Calcium (as Ca): ---to --- mg/lit; Magnesium (as Mg) : ---to --- mg/lit ; Oil and grease: --- to --- (mg/lit); Sulphate (as SO<sub>4</sub>): ---to --- mg/lit , Nitrate (asNO<sub>3</sub>) : ---to --- mg/lit; Chloride (as Cl) : ---to --- mg/lit; Iron (as Fe): ---to --- mg/lit; BOD ---to --- mg/lit;</p> <p>Heavy metals like Copper (as Cu), Lead (as Pb), Cadmium(as Cd),Chromium (as Cr), Manganese (as Mn), Arsenic (as As) and Mercury(as Hg) :</p>
Pond water samples quality at -- locations	<p>pH: ---to ---; Dissolved Oxygen: ---to --- mg/lit; Total Dissolved Solids: ---to --- mg/lit; total Hardness (as CaCO<sub>3</sub>): ---to --- mg/lit; Total Alkalinity(asCaCO<sub>3</sub>): ---to --- mg/lit; Calcium (as Ca): ---to --- mg/lit; Magnesium (as Mg): ---to --- mg/lit; Oil and grease: ---to --- (&lt;1.4 mg/lit); Sulphate (asSO<sub>4</sub>): ---to --- mg/lit, Nitrate (as NO<sub>3</sub>): ---to --- mg/lit; Chloride (as Cl): ---to --- mg/lit; Iron (as Fe): ---to --- mg/lit;</p> <p>Heavy metals like Copper (as Cu), Lead (as Pb), Cadmium(as Cd),Chromium (as Cr), Manganese (as Mn), Arsenic (as As) and Mercury(as Hg) :</p>
Ground Water samples at -- locations	<p>pH: ---to ---; Dissolved Oxygen: ---to --- mg/lit; Total Dissolved Solids: ---to --- mg/lit; total Hardness (as CaCO<sub>3</sub>): ---to --- mg/lit; Total Alkalinity(asCaCO<sub>3</sub>): ---to --- mg/lit; Calcium (as Ca): ---to --- mg/lit; Magnesium (as Mg): ---to --- mg/lit; Oil and grease: ---to ---</p>

	-- (<1.4 mg/lit); Sulphate (asSO4): ---to --- mg/lit, Nitrate (as NO3): ---to --- mg/lit; Chloride (as Cl): ---to --- mg/lit; Iron (as Fe): ---to --- mg/lit;  Heavy metals like Copper (as Cu), Lead (as Pb), Cadmium(as Cd),Chromium (as Cr), Manganese (as Mn), Arsenic (as As) and Mercury(as Hg) :
Noise levels Leq (Day & Night) at -- locations	The Leq values for day time was observed to be ---to --- dB (A) in residential area, while during night time ---to --- dB (A).
Soil Quality at -- Locations	Bulk density: ---to --- gm/cm <sup>3</sup> ; pH range ---to ---; Electrical conductivity (EC); ---to --- μmhos/cm; calcium content: ---to --- mg/kg; sodium: ---to --- mg/kg; potassium: ---to --- mg/kg; Nitrogen: ---to --- mg/kg; Phosphorous: ---to --- mg/kg; Cation Exchange Capacity (CEC): ---to --- meq/100gm; Magnesium: ---to --- mg/kg; Sulphur: ---to --- mg/kg; Organic Matter: ---to ---
Flora & Fauna	Schedule-I species observed in the study area:

- xviii. Details of Solid waste/ Hazardous waste generation/ Muck and its management.....
- xix. 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)**
- xx. Details of Certified compliance report submitted by RO, MoEF&CC. **(In case of expansion Proposal).**
- xxi. Status of Litigation Pending against the proposal, if any.
- xxii. The silent features of the project are as under:-

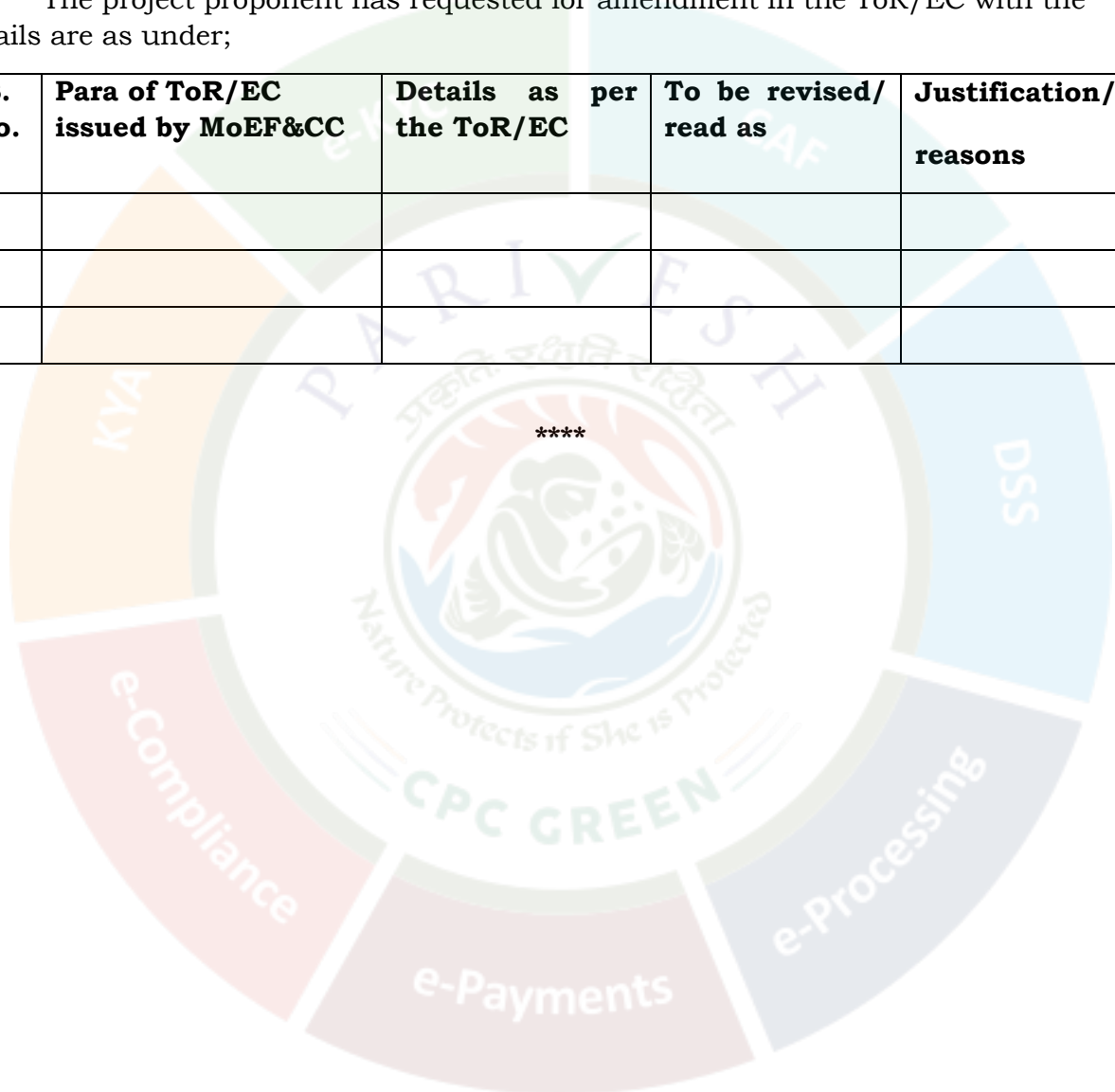
\*\*\*\*

**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.**

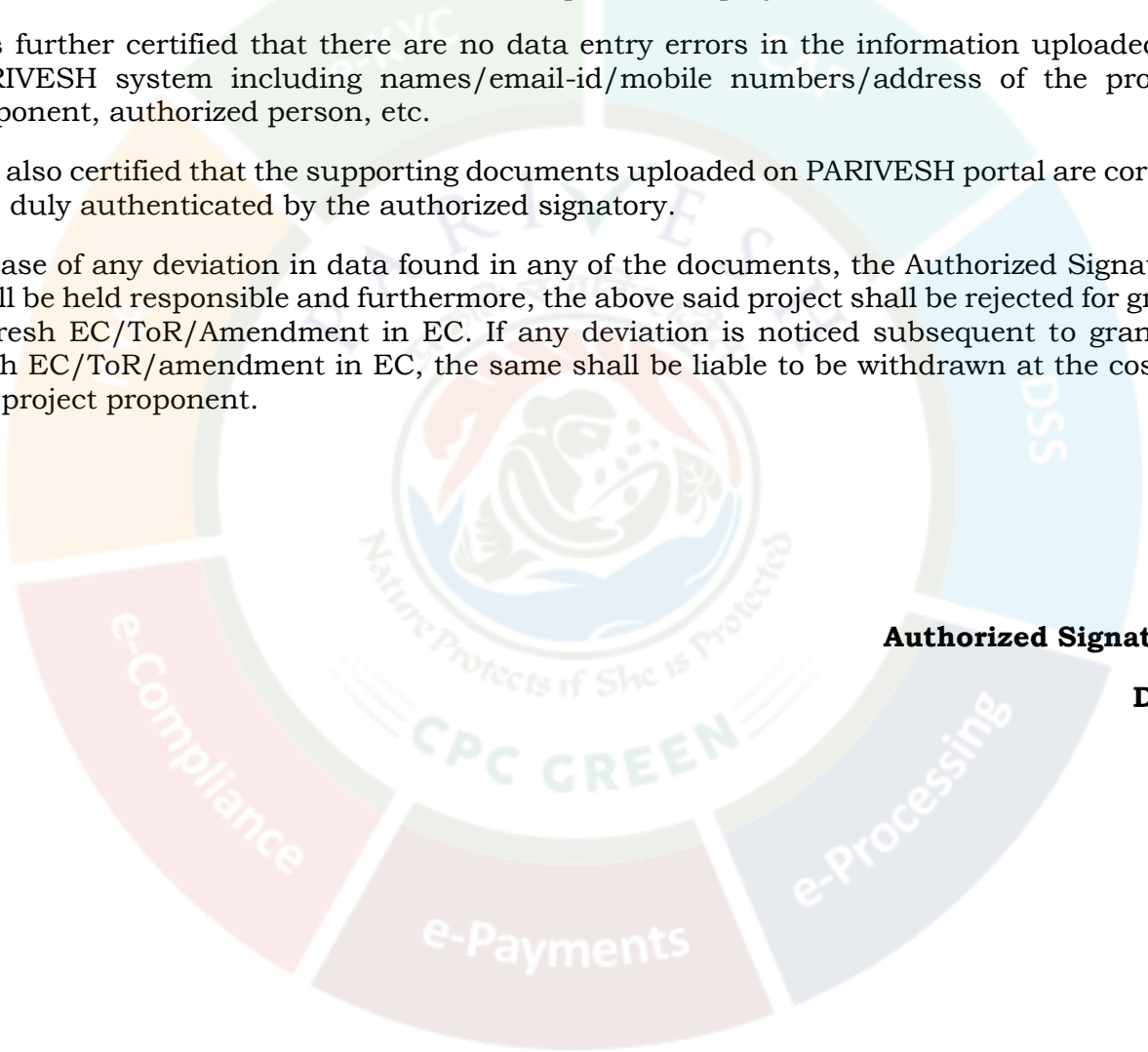
**Undertaking**

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 29.04.2024 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**