



**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**IA Division**  
**(River Valley and Hydroelectric Projects)**  
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**Minutes of 34TH EXPERT APPRAISAL COMMITTEE meeting River Valley and Hydroelectric Projects held from 30/06/2025 to 30/06/2025**

**Date: 08/07/2025**

**MoM ID:** EC/MOM/EAC/209661/6/2025  
**Agenda ID:** EC/AGENDA/EAC/209661/6/2025  
**Meeting Venue:** N/A  
**Meeting Mode:** Virtual  
**Date & Time:**

30/06/2025	10:30 am	05:30 pm
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**1. Opening remarks**

The 34<sup>th</sup> meeting of the EAC for River Valley & Hydroelectric Projects organized by the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi, was held on 30<sup>th</sup> June, 2025 on Virtual mode, under the Chairmanship of Prof. G. J. Chakrapani

**2. Confirmation of the minutes of previous meeting**

The Minutes of the Meeting held on 33<sup>rd</sup> EAC meeting on 17<sup>th</sup> June, 2025 were confirmed.

**3. Details of proposals considered by the committee**

**Day 1 -30/06/2025**

**3.1. Agenda Item No 1:**

**3.1.1. Details of the proposal**

<b>Damanganga (Ekdare)-Godavari intrastate link project by Minor Irrigation Division located at NASHIK,MAH ARASHTRA</b>			
<b>Proposal For</b>		Application for amendment in ToR (for categories A & B1)/Amendme nt in EC (for category B2)- Form-3	
<b>Proposal No</b>	<b>File No</b>	<b>Submission Date</b>	<b>Activity Sub-Activity (Schedule Item)</b>

<a href="#">IA/MH/RIV/53518/4/2025</a>	J-12011/03/2019-I A-1 (R)	28/04/2025	River Valley/Irrigation projects Irrigation Projects (1(c))
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### 3.1.2. Project Salient Features

**34.1.1** The proposal is for grant of Amendment in Terms of Reference (ToR) to the project for Damanganga (Ekdare) - Godavari intrastate link project (CCA: 12998 Ha ) in an area of 257.85 Ha at Village Ekdare, Gonde, Shinde, etc., Sub District Peth and Dindori, District Nashik, Maharashtra by M/s Minor Irrigation Division.

**34.1.2** The Project Proponent and the accredited Consultant M/s. R.S. Envirolinks Technologies Pvt. Ltd., made a detailed presentation on the salient features of the project and informed that:

- The Damanganga (Ekdare) - Godavari (Waghad) link project envisages diversion of surplus flows of west flowing Damanganga basin by lift from the proposed Ekdare project to serve the water short Marathwada region in Maharashtra through Existing Jayakwadi Reservoir project.
- The water available for utilization is 100.569 MCM out of which 15% of the quantity of diversion (15.085 MCM) is reserved for local use as per Govt. of Maharashtra resolution and remaining 85.484 MCM will be lifted in three stages to existing Waghad reservoir in Upper Godavari sub-basin.
- The diversion is proposed during the months July to October (123 days). The link system comprises of the headworks viz the proposed Ekdare dam (FRL:374m), Hatti Weir (CL: 452.50 m), Nirgude weir (CL 440.0m), Circular sump (FPL 595.0m) and the existing Inambari (FPL:516.0m), Jharlipada diversion scheme (FPL 672.4m) and Waghad (FRL: 668.50m).
- The proposal is for amendment in the Terms of Reference granted by the Ministry vide letter dated 13.02.2023 for the Damanganga Ekdare Godavari intrastate link project located at Village Ekdare, Tehsil Peint, District Nashik (Maharashtra) in favour of M/s Minor Irrigation Division, Nashik, Maharashtra.
- The project proponent has requested for amendment in the ToR/EC with the details are as under:

S. N.	Para of ToR issued by MoEF&CC	Details as per the ToR	To be revised/ read as	Justification/ reasons
1.	<b>TOR Letter Addressed to</b>	Minor Irrigation Division Sinchan Bhavan Campus Trimbak Road Nashik – 422211 Maharashtra	•Minor Irrigation Division Sinchan Bhavan Campus Trimbak Road Nashik – 422002 Maharashtra	NWDA is DPR consultant and project proponent is Minor Irrigation Division
2.	<b>Para 4 (ii)</b>	• <b>Damanganga (Ekdare)-Godavari (Waghad) link</b> project envisages diversion of about 138.6 MCM of surplus water available in the catchment of Damanganga basin up to proposed Ekdare dam site to existing Waghad reservoir in Godavari valley, by lift in three stages at Ekdare, Nirgude	• <b>Damanganga Ekdare Godavari link</b> project envisages diversion of about 85.484 MCM of surplus water available in the catchment of Damanganga basin up to proposed Ekdare dam site to existing Waghad reservoir in Godavari valley, by lift in three stages at Ekdare, Nirgude & intermediate sump with	The transferable quantity reduced based on the fresh upstream reservations reported by Govt of Maharashtra and the subsequent Ekdare reservoir simulation.

S. N.	Para of ToR issued by MoEF&CC	Details as per the ToR	To be revised/ read as	Justification/ reasons
		& at the proposed Circular sump with a total static lift of 327.40 m.	a total static lift of 351.43 m.	
3.	Para 4 (iii)	<ul style="list-style-type: none"> <li>The total conveyance system of 13.62 km comprises a pipe line of 10.42 km (rising main) by lift up to Jharlipada Diversion Scheme and 3.20 km by gravity (1.30 km ridge cut between Damanganga and Godavari basins) and 1.90 km of natural stream of Kadwa River upto Waghad Reservoir.</li> </ul>	<ul style="list-style-type: none"> <li>The total conveyance system of 14.04 km comprises a pipe line of 10.84 km (rising main) by lift up to Jharlipada Diversion Scheme and 3.20 km by gravity (1.30 km ridge cut between Damanganga and Godavari basins) and 1.90 km of natural stream of Kadwa River upto Waghad Reservoir.</li> </ul>	Pumphouse at Ekdare has been relocated and the rising main recast to minimize cutting while designing the system. Hence, there is a slight increase in the length of rising main.
4.	Para 4 (iv)	<ul style="list-style-type: none"> <li>The structural component of the link system consists of one proposed Ekdare dam, conveyance system of 13.62 km length, two proposed weirs, i.e. Hatti &amp; Nirgude, Intermediate Circular sump and underground RCC pipe line between the proposed Hatti &amp; Nirgude weirs. The available water will be lifted by 3 Pump houses at Ekdare, Nirgude &amp; Circular Pump by the rising mains to divert into the existing Jharlipada Diversion scheme.</li> </ul>	<ul style="list-style-type: none"> <li>The structural component of the link system consists of one proposed Ekdare dam, conveyance system of 14.04 km length, two proposed weirs, i.e. Hatti &amp; Nirgude, Intermediate sump and underground RCC pipe line between the proposed Hatti &amp; Nirgude weirs. The available water will be lifted by 3 Pump houses at Ekdare, Nirgude &amp; Intermediate Sump by the rising mains to divert into the existing Jharlipada Diversion scheme.</li> </ul>	Slight change in the length of rising main due to final design for minimizing cutting
5.	Para 4 (v)			The submergence area is recomputed at micro level based on drone output maps and hence the change in submergence area.
6.	Para 4 (vi)	<b>Use of Water:</b> The proposed	<b>Use of Water:</b> The proposed	The transferable q

S. N.	Para of ToR issued by MoEF&CC	Details as per the ToR	To be revised/ read as	Justification/ reasons
		sed utilization from the Ekdare reservoir is fixed at 143 MCM out of which, 4.4 MCM is kept reserved for local use and remaining 138.6 MCM is proposed for lifting to Waghad dam. The link project will benefit a total area of 18404 ha irrigation out of which 687 ha will be benefitted in command areas within Damanganga basin for local use in Nasik district and the remaining 17717 ha will be benefitted in Upper Godavari sub-basin in the command of existing Jayakwadi project in Marathwada region.	sed utilization from the Ekdare reservoir is fixed at 100.569 MCM out of which, 15.085 MCM is kept reserved for local use and remaining 85.484 MCM is proposed for lifting to Waghad dam. The link project will benefit a total area of 12998 ha irrigation, out of which 2987 ha will be benefitted in command areas within Damanganga basin for local use in Nasik district and the remaining 10,011 ha will be benefitted in Upper Godavari sub-basin in the command of existing Jayakwadi project in Marathwada region.	quantity reduced based on the fresh upstream reservations reported by Govt of Maharashtra and the subsequent Ekdare reservoir simulation. Accordingly, the water planning changed, and utilizable quantity reduced.
7.	Para 4 (vii)	Land requirement: The total land requirement for the proposed Damanganga (Ekdare)-Godavari (Waghad) link project is <b>261.99 ha</b> , out of which <b>44.76 ha</b> is forest land, for which forest clearance to be obtained under Forest Conservation Act.	Land requirement: The total land requirement for the proposed Damanganga Ekdare Godavari link project is <b>257.85 ha</b> , out of which <b>120 ha</b> is forest land, for which forest clearance to be obtained under Forest Conservation Act.	The land requirement is recomputed at micro level based on drone output maps and hence the change in land requirement.
8.	Para 5	The sectoral Expert Appraisal Committee considered the proposal in its 26 <sup>th</sup> and 38 <sup>th</sup> meeting held on 20 <sup>th</sup> August, 2019 and 15 <sup>th</sup> December, 2022 respectively. The EA/C after detailed deliberation recommended the proposal for grant of applicable Standard TOR along with additional TOR for conducting EIA study to the project for Warangaon Warangul Pump	Para to be deleted	The paragraph proposed for deletion pertains to a different project



S. N.	Para of ToR issued by MoEF&CC	Details as per the ToR	To be revised/ read as	Justification/ reasons
		d Storage Project of capacity 1200 MW in an area of 169 ha at Village Teckpole and Warangi, Tehsil Velhe and Mahad, District Pune and Raigad (Maharashtra) by M/s Adani Green Energy Limited, under the provisions of EIA Notification, 2006 and as amended along with the certain additional/ specific ToR.		
EAC meeting/s		34 <sup>th</sup> Meeting		
Date of Meeting/s		30.06.2025		
Date of earlier EAC meetings		15.12.2022 (Scoping Clearance) 20.08.2019 (Scoping Clearance) 14.05.2025 (case deferred for ADS)		
Name of the Proposal		Damanganga (Ekdare) – Godavari intrastate link project		
Proposal No.		IA/MH/RIV/535184/2025		
Location (Including Coordinates)		Ekdare Village, Peint Tehsil, Nashik district, Maharashtra  20°11'17.03 N, 73°32' 23.12"		
Company's Name		M/s Minor Irrigation Division, Nashik, Maharashtra		
CIN no. of Company/user agency				
Accredited Consultant and certificate no.		M/s R S Envirolink Technologies Pvt. Ltd. (RSET)  Certificate No : NABET/EIA/2225/RA0274		

Project location (Coordinates /River/ Reservoir)			Ekdare Village, Peint Tehsil, Nashik district, Maharashtra (Damanganga River)		
Inter- state issue involved			Damanganga being an interstate river, project was appraised at Centre as B1 category project as per the amendment to EIA notification dated 20/04/2022; "Irrigation projects involving Inter-State issues shall be appraised at Central level without change in category".		
Category of the project			B1		
Capacity			12998 ha out of which 2987 ha will be benefitted in command areas within Damanganga basin for local use in Nashik district and the remaining 10011 ha will be benefitted in Aurangabad district under Jayakwadi command.		
Attracts the General Conditions (Yes/No)			No		
Additional information (if any)			Nil		
Cost of project			1871.12 Cr		
Total area of Project			257.85 ha		
Date of online application for amendment in ToR was			28.04.2025		
Details of CTE/CTO			Shall be obtained after EC		
	Parameter		As per TOR	Actual	Deviation
1	Purpose	:	Diversion of surplus water from Damanganga basin to Godavari basin	Diversion of surplus water from Damanganga basin to Godavari basin	No change
2	Quantum of utilization (MCM)	:	143.00	100.569	-42.43
i	Local use (15%) (MCM)	:	4.40	15.09	10.69
ii	Diversion to Waghad (MCM)	:	138.60	85.48	-53.12
3	Irrigation (Annual irri	:	18404.00	12998.00	-5406.00

	<b>gation /CCA) (ha)</b>				
i	Damanganga basin (ha)	:	687.00	2987.00	<b>2300.00</b>
ii	Upper Godavari basin (ha)	:	17717.00	10011.00	<b>-7706.00</b>
<b>4</b>	<b>Land Acquisition Details</b>				
	Total Area (ha)	:	261.99	257.85	<b>-4.14</b>
	Forest area (ha)	:	44.76	120.00	<b>75.24</b>
	River portion (ha)	:	53.40	0.00	<b>-53.40</b>
	Other areas (ha)	:	163.83	137.85	<b>-25.98</b>
	Total No. of Villages affected	:	13	13	<b>No change</b>
<b>5</b>	<b>Ekdare reservoir (Proposed)</b>				
i	State	:	Maharashtra	Maharashtra	<b>No change</b>
ii	District	:	Nasik	Nasik	<b>No change</b>
iii	Location	:	Near Ekdare village, Peint Taluk	Near Ekdare village, Peint Taluk	<b>No change</b>
iv	Name of river	:	Damanganga river	Damanganga river	<b>No change</b>
v	Basin/sub basin	:	Damanganga	Damanganga	<b>No change</b>
vi	Latitude	:	20° 11' 17.03" N	20° 11' 17.03" N	<b>No change</b>
vii	Longitude	:	73° 32' 23.12" E	73° 32' 23.12" E	<b>No change</b>
viii	Top of dam level (m)	:	375.50	377.00	<b>1.5</b>
ix	Length of the dam (m)	:	302.00	293.00	<b>-9.00</b>
x	Height of the dam (m)	:	69.50	77.50	<b>8.00</b>
xi	Catchment area (sq km)	:	182.00	182.00	<b>No change</b>
xii	75% Dependability surplus yield at dam site	:	125.00 (as per CW C)	100.569	<b>-24.43</b>

xiii	Maximum water level (m)	:	374.50	375.50	<b>1.00</b>
xiv	Full reservoir level (m)	:	374.00	374.00	<b>No change</b>
xv	MDDL (m)	:	345.00	331.87	<b>-13.13</b>
xvi	Gross storage capacity (MCM)	:	36.41	32.95	<b>-3.46</b>
xvii	Live storage capacity (MCM)	:	29.37	29.56	<b>0.19</b>
xviii	Dead storage capacity (MCM)	:	7.04	3.39	<b>-3.65</b>
xix	Area of submergence at F.R.L (ha)	:	247.40	231.30	<b>-16.10</b>
xx	Forest area (ha)	:	41.91	115.45	<b>73.54</b>
xxi	River portion (ha)	:	53.40	0.00	<b>-53.40</b>
xxii	Other areas (ha)	:	152.09	115.85	<b>-36.24</b>
xxiii	No. of Villages affected in submergence (only land)	:	4	4	<b>No change</b>
<b>6</b>	<b>Hatti weir (Proposed)</b>				
i	Location	:	Near Hatti village, Peint taluk, Nasik district, Maharashtra	Near Hatti village, Peint taluk, Nasik district, Maharashtra	<b>No change</b>
ii	Name of river	:	Hatti Nala	Hatti Nala	<b>No change</b>
iii	Basin/sub basin	:	Damanganga upstream of Ekdare	Damanganga upstream of Ekdare	<b>No change</b>
iv	Latitude	:	20° 13'21.08"	20° 13'21.08"	<b>No change</b>
v	Longitude	:	73° 35'45.45"	73° 35'45.45"	<b>No change</b>
vi	Catchment Area up to Hatti weir (sq.km)	:	14.41	14.41	<b>No change</b>
vii	River bed level (m)	:	460.00	449.00	<b>-11.00</b>
viii	Weir Crest level (m)	:	461.50	452.50	<b>-9.00</b>



ix	Height of the weir (m)	:	1.50	3.50	<b>2.00</b>
x	Length of weir (m)	:	17.40	73.90	<b>56.50</b>
xi	75% monsoon yield (M CM)	:	11.62	11.62	<b>0.00</b>
xii	Upstream projects utilization (MCM)	:	1.17 (Shinde MIP)	1.17	<b>0.00</b>
xiii	Balance available for diversion (MCM)	:	10.45	10.45	<b>0.00</b>
xiv	Submergence area (ha)	:	Confined to river course.	Confined to river	<b>No change</b>
xv	Villages affected (No.)	:	9	9	<b>No change</b>
<b>7</b>	<b>Nirgude weir (Proposed)</b>				
i	Location	:	Near Nirgude village, Peint taluk, Nasik district, Maharashtra	Near Nirgude village, Peint taluk, Nasik district, Maharashtra	<b>No change</b>
ii	Name of river	:	Nirgude nala (a small right bank stream of Damanganga river)	Nirgude nala (a small right bank stream of Damanganga river)	<b>No change</b>
iii	Basin/sub basin	:	Right bank stream of Damanganga river	Right bank stream of Damanganga river	<b>No change</b>
iv	Latitude	:	20° 13'36.79"	20° 13'36.79"	<b>No change</b>
v	Longitude	:	73° 35'25.45"	73° 35'25.45"	<b>No change</b>
vi	Catchment Area up to Nirgude weir (sq.km)	:	11.48	11.48	<b>No change</b>
vii	River bed level (m)	:	443.00	430.70	<b>-12.30</b>
viii	Weir Crest level (m)	:	445.00	440.00	<b>-5.00</b>
ix	Height of the weir (m)	:	2.00	9.30	<b>7.30</b>
x	Length of weir (m)	:	34.80	63.00	<b>28.20</b>
xi	75% monsoon yield (M	:	9.25	9.25	<b>0.00</b>

	CM)				
xii	Upstream projects utilization	:	Nil	Nil	
xiii	Balance available for diversion (MCM)	:	9.25	9.25	<b>No change</b>
xiv	Submergence area (ha)	:	Confined to river course.	Confined to river course	<b>No change</b>
xv	Villages affected (No.)	:	Nil	Nil	<b>No change</b>
<b>8</b>	<b>Waghad project (Existing)</b>				
i	State	:	Maharashtra	Maharashtra	<b>No change</b>
ii	District	:	Nasik	Nasik	<b>No change</b>
iii	Latitude	:	20° 14'N	20° 14'N	<b>No change</b>
iv	Longitude	:	73° 44'E	73° 44'E	<b>No change</b>
v	Name of river	:	Kadwa river (a small tributary of Godavari river)	Kadwa river (a small tributary of Godavari river)	<b>No change</b>
vi	Catchment area (sq km)	:	119.00	119.00	<b>No change</b>
vii	Top of dam level (m)	:	673.60	673.60	<b>No change</b>
viii	Maximum water level (m)	:	671.20	671.20	<b>No change</b>
ix	Full reservoir level (m)	:	668.50	668.50	<b>No change</b>
x	MDDL (m)	:	650.50	650.50	<b>No change</b>
xi	Gross storage capacity (MCM)	:	76.48	76.48	<b>No change</b>
xii	Live storage capacity (MCM)	:	70.00 (revised to 65.18)	70.00 (revised to 65.18)	<b>No change</b>
xiii	Area of submergence at F.R.L (ha)	:	1090.00	1090.00	<b>No change</b>
<b>9</b>	<b>Damanganga (Ekdar)- Godavari (Waghad)</b>				

	<b>link project</b>				
<b>A</b>	<b>Features of link canal ( pipe line)</b>				
i	Total length of the link canal (pipe line) (Km)	:	13.62	14.04	<b>0.42</b>
ii	Length of pipe line up to Jharlipada Diversion Scheme (km)	:	10.42	10.84	<b>0.42</b>
iii	Ridge cut link (Km)	:	1.30	1.30	<b>No change</b>
iv	Natural stream (Km)	:	1.90	1.90	<b>No change</b>
v	RCC underground pipe line between (Hatti to Nimgude) (Km)	:	0.80	0.80	<b>No change</b>
<b>B</b>	<b>Land Required for pipe line and pumphouses</b>				
i	Total Area (ha)	:	14.59	26.55	<b>11.96</b>
ii	Forest area (ha)	:	2.85	4.55	<b>1.70</b>
iii	Other Area (ha)	:	11.74	22.00	<b>10.26</b>
iv	Villages/Population affected	:	Nil	Nil	<b>No change</b>
<b>C</b>	<b>Lift at first stage from RD 0.00 km to 5.970 km</b>				
i	Maximum quantum of diversion (MCM)	:	30.51 MCM	27.88	<b>-2.63</b>
ii	Designed discharge (cumec)	:	12.84	10.41	<b>-2.43</b>
iii	Length of Pipe line (km)	:	5.97	6.10	<b>0.13</b>
iv	Nos. and Diameter of the pipe	:	4 x 1.40 m	2x1.80 m	<b>-2.00</b>
v	Velocity (m/s)	:	2.09 m/s	2.05	<b>-0.04</b>
vi	Off take level (m)	:	345.00	331.87	<b>-13.13</b>

vii	Outfall level (m)	:	445.00	442.00	<b>-3.00</b>
viii	Lift (m)	:	100.00	110.13	<b>10.13</b>
<b>D</b>	<b>Lift at 2nd stage from RD 5.97 km to 9.25 km</b>				
i	Maximum quantum of diversion (MCM)	:	33.92	38.00	<b>4.08</b>
ii	Designed discharge (cu mec)	:	14.28	14.19	<b>-0.09</b>
iii	Length of Pipe line (km)	:	3.28	4.018	<b>0.738</b>
iv	Nos. and Diameter of the pipe	:	4 x 1.40 m	2x2.10 m	<b>-2.00</b>
v	Velocity (m/s)	:	2.32	2.05	<b>-0.27</b>
vi	Off take level (m)	:	445.00	438.33	<b>-6.67</b>
vii	Outfall level (m)	:	560.00	597.00	<b>37.00</b>
viii	Lift (m)	:	115.00	158.67	<b>43.67</b>
<b>E</b>	<b>Lift at 3rd stage from RD 9.25 km to 10.42 km</b>				
i	Maximum quantum of diversion (MCM)	:	33.92	38.00	<b>4.08</b>
ii	Designed discharge (cu mec)	:	14.28	14.19	<b>-0.09</b>
iii	Length of Pipe line (km)	:	1.17	0.716	<b>-0.454</b>
iv	Nos. and Diameter of the pipe	:	4 x 1.40 m	2x2.10 m	<b>-2.00</b>
v	Velocity (m/s)	:	2.32	2.05	<b>-0.27</b>
vi	Off take level (m)	:	560.00	593.33	<b>33.33</b>
vii	Outfall level (m)	:	672.00	676.00	<b>3.60</b>
viii	Lift (m)	:	112.40	82.65	<b>-29.75</b>
<b>F</b>	<b>Power required for lift</b>				

	<b>ng</b>				
i	At stage I (MU)	:	68.10	27.53	<b>-40.57</b>
ii	At stage II (MU)	:	76.11	51.17	<b>-24.94</b>
iii	At stage III (MU)	:	66.93	26.60	<b>-40.33</b>
iv	<b>Total energy required ( MU)</b>	<b>:</b>	<b>211.14</b>	<b>105.70</b>	<b>-105.44</b>
v	Total cost for energy required (Rs.Lakh)	:	3801.00		
<b>G</b>	<b>Installed capacity</b>				
i	Stage I (MW)	:	23.43	16.36	<b>-7.07</b>
ii	Stage II (MW)	:	26.62	30.37	<b>3.75</b>
iii	Stage III (MW)	:	23.04	15.79	<b>-7.25</b>
iv	<b>Total (MW)</b>	<b>:</b>	<b>73.09</b>	<b>62.52</b>	<b>-10.57</b>
<b>10</b>	<b>Economic analysis</b>				
i	Net annual benefit from irrigation (Lakhs)	:	6154.00	9675.00	<b>3521.00</b>
ii	Benefit from Domestic water supply (Lakhs)	:	105.00	62.00	<b>-43.00</b>
iii	Benefit from Industrial water supply (Lakhs)	:	33600.00	30294.00	<b>-3306.00</b>
iv	Benefit from water charges (Irrigation service fee) (Lakhs)	:	276.00	0.00	<b>-276.00</b>
v	Benefit from Pisciculture and lease amount (Lakhs)	:	47.00	5582.00	<b>5535.00</b>
vi	Benefit from Animal husbandry (Lakhs)	:	1953.00	351.00	<b>-1602.00</b>
vii	<b>Total Annual Benefit of the project (Lakhs)</b>	<b>:</b>	<b>42135.00</b>	<b>45964.00</b>	<b>3829.00</b>
viii	Annual cost (Lakhs)	:	24042.00		



ix	Cost of Unit-I Head Works (Lakhs)	:	119953.00	113608.00	<b>-6345.00</b>
	Unit II: Conveyance			29020.00	<b>29020.00</b>
	Cost of Unit-III Lifting Arrangements (lakh)	:	37395.00	44484.00	<b>7089.00</b>
	<b>Total cost of project (2019-2020 price level)(lakh)</b>	:	<b>157348 / 2019-20</b>	<b>187112/ 2022-23</b>	<b>29764.00</b>
x	B.C. Ratio (considering annual benefit and annual cost)	:	1.75	1.67	<b>-0.08</b>
xi	Internal Rate of Return (IRR)	:	11.11%	14.48%	<b>Increased</b>

**Court case details: NIL**

### 3.1.3. Deliberations by the committee in previous meetings

**Date of EAC 1 :14/05/2025**

**Deliberations of EAC 1 :**

**The EAC during deliberations noted the following:**

The EAC deliberated on the information submitted (Form 1, PFR, kml file, etc.) and as presented in the meeting and observed that the proposal is for grant of amendment in Terms of Reference (ToR) to the project for Damanganga (Ekdare) - Godavari intrastate link project (CCA: 12998 Ha ) in an area of 257.8 Ha at Village Ekdare, Gonde, Shinde, etc., Sub District Peth and Dindori, District Nashik, Maharashtra to M/s Minor Irrigation Division..

The project/activity is covered under Category B1 of item 1 (c) 'River Valley projects' of the Schedule of the Environmental Impact Assessment Notification, 2006 as CCA is 12998 Ha. However, Irrigation projects involving Inter-State issues shall be appraised at Central level without change in category; therefore, it requires appraisal at Central level by the sectoral EAC in the Ministry.

The Ministry granted Terms of Reference vide letter dated 13/02/2023 for the proposed project and PP has submitted the proposal for amendment in ToR for modification in project components and change in the land area requirement.

During the meeting the EAC noted with concern that the presentation lacked sufficient detail and clarity on the proposal. PP failed comprehensively address the key aspects of the proposed amendment. Furthermore, the Project Proponent was unable to provide specific and satisfactory justifications for the proposed changes. Additionally, the EAC observed that the Project Proponent was unable to respond satisfactorily to several queries raised by the Committee members. The committee noted that PP had appeared unprepared and lacked the necessary due diligence expected at this stage of the appraisal process. This reflected a lack of preparedness and understanding of PP.

After deliberation, the project was deferred. EAC opined that the PP shall have to come prepared with a detailed presentation about the proposed amendment and ensure that all technical and regulatory aspects are comprehensively addressed, and come prepared with clear justifications and supporting documentation in any future deliberations.

The proposal **deferred** on the above lines.

### 3.1.4. Deliberations by the EAC in current meetings

### 34.1.3 The EAC during deliberations noted the following:

The proposal is for grant of amendment in Terms of References (TOR) to the project for Damanganga (Ekdare) - Godavari intrastate link project (CCA: 12998 Ha ) in an area of 257.85 Ha at Village Ekdare, Gonde, Shinde, etc., Sub District Peth and Dindori, District Nashik, Maharashtra by M/s Minor Irrigation Division.

The project is listed at S.N.1(c) of the Schedule to the Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

The Terms of Reference granted by the Ministry vide letter dated 13/02/2023 for the Damanganga (Ekdare) - Godavari intrastate link project at Village Ekdare, Tehsil Peint, District Nashik (Maharashtra) by M/s National Water Development Agency.

The EAC deliberated on the request of the project proponent seeking amendments in the Terms of Reference (ToR) for the project. The Committee noted that during detailed survey and investigation, total command area has been revised as 12998 ha from 18404 ha. There are changes in other components of salient features as well. The total land area has been decreased (261.99 ha to 257.85 ha) and however, forest land has increased from 44.76 ha to 120.0 ha. Additionally during the meeting PP informed that implementation authority of the project is M/s Minor Irrigation Division, Govt. of Maharashtra instead of M/s National Water Development Agency therefore, PP requested to change the name of proponent from M/s National Water Development Agency to M/s Minor Irrigation Division.

The EAC observed that there were certain miscalculations in the revised details of the project components initially submitted by the PP. However, the PP subsequently submitted the corrected information via email dated 02.07.2025. Upon review, the Committee members found the revised submission satisfactory.

The Committee observed that significant alterations have been made to the project's key components without prior consultation or concurrence from the Central Water Commission (CWC). Since CWC plays an important role in reviewing the technical aspects of such projects including hydrology, the Committee felt that their inputs should have been taken before making these revisions.

### 3.1.5. Recommendation of EAC

Recommended

### 3.1.6. Details of Terms of Reference

#### 3.1.6.1. Specific

Additional conditions	
1.	PP shall explore the possibilities for reducing the Forest land requirement. The application for obtaining Stage I FC for 120 ha of forest land involved in the project shall be submitted within stipulated time.
2.	PP shall prepare detail plan for Plantation of saplings under the tree plantation campaign " <b>Ek Ped Ma Ke Naam</b> ".
3.	All ToR points mentioned in the ToR letter dated 13/02/2023 shall remain unchanged.
4.	EIA/EMP, collection of baseline data, other statutory clearance and the public hearing shall be carried out as per revised layout.
5.	The PP has informed that implementation authority of the project is M/s Minor Irrigation Division, Govt. of Maharashtra instead of M/s National Water Development Agency; therefore, the

MoEF&CC may change the Project Proponent details in its records accordingly.

#### 4. Any Other Item(s)

N/A

#### 5. List of Attendees

Sr. No.	Name	Designation	Email ID	Remarks
1	Prof G J Chakrapani	Chairman, EAC	cha*****@gmail.com	
2	Dr Mukesh Sharma	Member (EAC)	muk***@iitk.ac.in	Absent
3	Dr Uday Kumar R Y	Member (EAC)	uda*****@yahoo.com	
4	Dr J A Johnson	Member (EAC)	jaj@wii.gov.in	Absent
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	Dr A K Sahoo	Member (EAC)	ami***@gmail.com	Absent
9	Shri Rakesh Goyal	Member	goy*****@nic.in	
10	Shri Balram Kumar	Member	emo***@nic.in	
11	Yogendra Pal Singh	Scientist - F	yog*****@nic.in	

## **MINUTES OF THE 34<sup>TH</sup> MEETING OF THE EXPERT APPRAISAL COMMITTEE FOR RIVER VALLEY AND HYDROELECTRIC PROJECTS HELD ON 30<sup>TH</sup> JUNE 2025 THROUGH VIDEO CONFERENCE**

The 34<sup>th</sup> meeting of the EAC for River Valley & Hydroelectric Projects organized by the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi, was held on 30<sup>th</sup> June, 2025 on Virtual mode, under the Chairmanship of Prof. G. J. Chakrapani. The list of Members present in the meeting is at **Annexure**.

### **Confirmation of the Minutes of the 33<sup>rd</sup> EAC meeting:**

The Minutes of the Meeting held on 33<sup>rd</sup> EAC meeting on 17<sup>th</sup> June, 2025 were confirmed.

### **Agenda Item No. 34.1**

**Damanganga (Ekdare) - Godavari intrastate link project (CCA: 12998 Ha ) in an area of 257.85 Ha at Village Ekdare, Gonde, Shinde, etc., Sub District Peth and Dindori, District Nashik, Maharashtra by M/s Minor Irrigation Division – Amendment in Terms of Reference (TOR) -reg.**

**[Proposal No. IA/MH/RIV/535184/2025; F. No. J-12011/03/2019-IA.I (R)]**

**34.1.1** The proposal is for grant of Amendment in Terms of Reference (ToR) to the project for Damanganga (Ekdare) - Godavari intrastate link project (CCA: 12998 Ha ) in an area of 257.85 Ha at Village Ekdare, Gonde, Shinde, etc., Sub District Peth and Dindori, District Nashik, Maharashtra by M/s Minor Irrigation Division.

**34.1.2** The Project Proponent and the accredited Consultant M/s. R.S. Envirolinks Technologies Pvt. Ltd., made a detailed presentation on the salient features of the project and informed that:

- i. The Damanganga (Ekdare) - Godavari (Waghad) link project envisages diversion of surplus flows of west flowing Damanganga basin by lift from the proposed Ekdare project to serve the water short Marathwada region in Maharashtra through Existing Jayakwadi Reservoir project.
- ii. The water available for utilization is 100.569 MCM out of which 15% of the quantity of diversion (15.085 MCM) is reserved for local use as per Govt. of Maharashtra resolution and remaining 85.484 MCM will be lifted in three stages to existing Waghad reservoir in Upper Godavari sub-basin.
- iii. The diversion is proposed during the months July to October (123 days). The link system comprises of the headworks viz the proposed Ekdare dam (FRL:374m), Hatti Weir (CL: 452.50 m), Nirgude weir (CL 440.0m), Circular sump (FPL 595.0m) and the existing



Inambari (FPL:516.0m), Jharlipada diversion scheme (FPL 672.4m) and Waghad (FRL: 668.50m).

- iv. The proposal is for amendment in the Terms of Reference granted by the Ministry vide letter dated 13.02.2023 for the Damanganga Ekdare Godavari intrastate link project located at Village Ekdare, Tehsil Peint, District Nashik (Maharashtra) in favour of M/s Minor Irrigation Division, Nashik, Maharashtra.
- v. The project proponent has requested for amendment in the ToR/EC with the details are as under:

S. N.	Para of ToR issued by MoEF&CC	Details as per the ToR	To be revised/ read as	Justification/ reasons
1.	<b>TOR Letter Addressed to</b>	<ul style="list-style-type: none"> <li>M/s National Water Development Agency Minor Irrigation Division Sinchan Bhavan Campus Trimbak Road Nashik – 422211 Maharashtra</li> </ul>	<ul style="list-style-type: none"> <li>Minor Irrigation Division Sinchan Bhavan Campus Trimbak Road Nashik – 422002 Maharashtra</li> </ul>	NWDA is DPR consultant and project proponent is Minor Irrigation Division
2.	<b>Para 4 (ii)</b>	<ul style="list-style-type: none"> <li><b>Damanganga (Ekdare)-Godavari (Waghad) link</b> project envisages diversion of about 138.6 MCM of surplus water available in the catchment of Damanganga basin up to proposed Ekdare dam site to existing Waghad reservoir in Godavari valley, by lift in three stages at Ekdare, Nargude &amp; at the proposed Circular sump with a total static lift of 327.40 m.</li> </ul>	<ul style="list-style-type: none"> <li><b>Damanganga Ekdare Godavari link</b> project envisages diversion of about 85.484 MCM of surplus water available in the catchment of Damanganga basin up to proposed Ekdare dam site to existing Waghad reservoir in Godavari valley, by lift in three stages at Ekdare, Nargude &amp; intermediate sump with a total static lift of 351.43 m.</li> </ul>	The transferable quantity reduced based on the fresh upstream reservations reported by Govt of Maharashtra and the subsequent Ekdare reservoir simulation.



S. N.	Para of ToR issued by MoEF&CC	Details as per the ToR	To be revised/ read as	Justification/ reasons
3.	Para 4 (iii)	<ul style="list-style-type: none"> <li>The total conveyance system of 13.62 km comprises a pipe line of 10.42 km (rising main) by lift up to Jharlipada Diversion Scheme and 3.20 km by gravity (1.30 km ridge cut between Damanganga and Godavari basins) and 1.90 km of natural stream of Kadwa River upto Waghad Reservoir.</li> </ul>	<ul style="list-style-type: none"> <li>The total conveyance system of 14.04 km comprises a pipe line of 10.84 km (rising main) by lift up to Jharlipada Diversion Scheme and 3.20 km by gravity (1.30 km ridge cut between Damanganga and Godavari basins) and 1.90 km of natural stream of Kadwa River upto Waghad Reservoir.</li> </ul>	Pumphouse at Ekdare has been relocated and the rising main recast to minimize cutting while designing the system. Hence, there is a slight increase in the length of rising main.
4.	Para 4 (iv)	<ul style="list-style-type: none"> <li>The structural component of the link system consists of one proposed Ekdare dam, ccmveyance system of 13.62 km length, two proposed weirs, i.e. Hatti &amp; Nirgude, Intermediate Circular sump and underground RCC pipe line between the proposed Hatti &amp; Nirgude weirs. The available water will be lifted by 3 Pump houses at Ekdare, Nirgude &amp; Circular Pump by the rising mains to divert into the existing Jharlipada Diversion scheme.</li> </ul>	<ul style="list-style-type: none"> <li>The structural component of the link system consists of one proposed Ekdare dam, ccmveyance system of 14.04 km length, two proposed weirs, i.e. Hatti &amp; Nirgude, Intermediate sump and underground RCC pipe line between the proposed Hatti &amp; Nirgude weirs. The available water will be lifted by 3 Pump houses at Ekdare, Nirgude &amp; Intermeidate Sump by the rising mains to divert into the existing Jharlipada Diversion scheme.</li> </ul>	Slight change in the length of rising main due to final design for minimizing cutting

S. N.	Para of ToR issued by MoEF&CC	Details as per the ToR	To be revised/ read as	Justification/ reasons
5.	Para 4 (v)	<ul style="list-style-type: none"> <li>• <b>Submergence area:</b> The submergence area at FRL is 247.4 ha. Out of which about 53.40 ha is river course, 41.91 ha is forest area and 152.09 ha Govt. land &amp; private land. No villages are coming under submergence.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Submergence area:</b> The submergence area at FRL is 231.3 ha. Out of which about 115.45 ha is forest area and 115.85 ha is non forest land (Govt/private land). 13 villages will get affected by submergence (no displacement, only losing land)</li> </ul>	The submergence area is recomputed at micro level based on drone output maps and hence the change in submergence area.
6.	Para 4 (vi)	<ul style="list-style-type: none"> <li>• <b>Use of Water:</b> The proposed utilization from the Ekdare reservoir is fixed at 143 MCM out of which, 4.4 MCM is kept reserved for local use and remaining 138.6 MCM is proposed for lifting to Waghad dam. The link project will benefit a total area of 18404 ha irrigation out of which 687 ha will be benefitted in command areas within Damanganga basin for local use in Nasik district and the remaining 17717 ha will be benefitted in Upper Godavari sub-basin in the command of existing Jayakwadi project in Marathwada region.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Use of Water:</b> The proposed utilization from the Ekdare reservoir is fixed at 100.569 MCM out of which, 15.085 MCM is kept reserved for local use and remaining 85.484 MCM is proposed for lifting to Waghad dam. The link project will benefit a total area of 12998 ha irrigation, out of which 2987 ha will be benefitted in command areas within Damanganga basin for local use in Nasik district and the remaining 10,011 ha will be benefitted in Upper Godavari sub-basin in the command of existing Jayakwadi project in Marathwada region.</li> </ul>	The transferable quantity reduced based on the fresh upstream reservations reported by Govt of Maharashtra and the subsequent Ekdare reservoir simulation. Accordingly, the water planning changed, and utilizable quantity reduced.
7.	Para 4 (vii)	<ul style="list-style-type: none"> <li>• <b>Land requirement:</b> The total land requirement for the proposed Damaganga (Ekdare)-Godavari (Waghad) link project is</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Land requirement:</b> The total land requirement for the proposed Damaganga Ekdare Godavari link project is <b>257.85 ha</b>, out of</li> </ul>	The land requirement is recomputed at micro level based on drone output

S. N.	Para of ToR issued by MoEF&CC	Details as per the ToR	To be revised/ read as	Justification/ reasons
		<b>261.99 ha</b> , out of which <b>44.76 ha</b> is forest land, for which forest clearance to be obtained under Forest Conservation Act.	which <b>120 ha</b> is forest land, for which forest clearance to be obtained under Forest Conservation Act.	maps and hence the change in land requirement.
8.	<b>Para 5</b>	<ul style="list-style-type: none"> <li>The sectoral Expert Appraisal Committee considered the proposal in its 26<sup>th</sup> and 38<sup>th</sup> meeting held on 20<sup>th</sup> August, 2019 and 15<sup>th</sup> December, 2022 respectively. The EAC after detailed deliberation recommended the proposal for grant of applicable Standard TOR along with additional TOR for conducting EIA study to the project for Warsgaon Warangi Pumped Storage Project of capacity 1200 MW in an area of 169 ha at Village Teckpole and Warangi, Tehsil Velhe and Mahad, District Pune and Raigad (Maharashtra) by M/ s Adani Green Energy Limited, under the provisions of EIA Notification, 2006 and as amended along with the certain additional/ specific ToR.</li> </ul>	<ul style="list-style-type: none"> <li>Para to be deleted</li> </ul>	The paragraph proposed for deletion pertains to a different project

**vi. The salient features of the project are as follows:**

- EAC Meeting Details:**

EAC meeting/s	34 <sup>th</sup> Meeting
Date of Meeting/s	30.06.2025
Date of earlier EAC meetings	15.12.2022 (Scoping Clearance) 20.08.2019 (Scoping Clearance)

- Project details:**

Name of the Proposal	Damanganga (Ekdare) – Godavari intrastate link project
Proposal No.	IA/MH/RIV/535184/2025
Location (Including Coordinates)	Ekdare Village, Peint Tehsil, Nashik district, Maharashtra
Company's Name	M/s Minor Irrigation Division, Nashik, Maharashtra
CIN no. of Company/user agency	
Accredited Consultant and certificate no.	M/s R S Envirolink Technologies Pvt. Ltd. (RSET)
Project location (Coordinates /River/ Reservoir)	Ekdare Village, Peint Tehsil, Nashik district, Maharashtra (Damanganga River)
Inter- state issue involved	Damanganga being an interstate river, project was appraised at Centre as B1 category project as per the amendment to EIA notification dated 20/04/2022; "Irrigation projects involving Inter-State issues shall be appraised at Central level without change in category".

- Category details:**

Category of the project	B1
Capacity	12998 ha out of which 2987 ha will be benefitted in command areas within Damanganga basin for local use in Nasik district and the remaining 10011 ha will be benefitted in Aurangabad district under Jayakwadi
Attracts the General Conditions (Yes/No)	No
Additional information (if any)	Nil

- ToR/EC Details:**

Cost of project	1871.12 Cr
Total area of Project	257.85 ha
Date of online application for amendment in ToR was	28.04.2025
Details of CTE/CTO	Shall be obtained after EC

- Detail reason for amendment in ToR/EC:** After the grant of TOR, during detailed survey and investigation, total command area has been revised as 12998 ha from 18404 ha. There are changes in other components of salient features as well. The total land area has decreased (261.99 ha to 257.85 ha) and forest land has increased from 44.76 ha to 120.0 ha.
- The comparative statement with reference to earlier proposal and revised proposal is given in table format:

Sl no	Parameter		As per TOR	Actual	Deviation
1	Purpose	:	Diversion of surplus water from Damanganga basin to Godavari basin	Diversion of surplus water from Damanganga basin to Godavari basin	No change
2	Quantum of utilization (MCM)	:	143.00	100.569	-42.43
i	Local use (15%) (MCM)	:	4.40	15.09	10.69
ii	Diversion to Waghad (MCM)	:	138.60	85.48	-53.12
3	Irrigation (Annual irrigation /CCA) (ha)	:	18404.00	12998.00	-5406.00
i	Damanganga basin (ha)	:	687.00	2987.00	2300.00
ii	Upper Godavari basin (ha)	:	17717.00	10011.00	-7706.00
4	Land Acquisition Details				
	Total Area (ha)	:	261.99	257.85	-4.14
	Forest area (ha)	:	44.76	120.00	75.24
	River portion (ha)	:	53.40	0.00	-53.40
	Other areas (ha)	:	163.83	137.85	-25.98



	Total No. of Villages affected	:	13	13	No change
<b>5</b>	<b>Ekdare reservoir (Proposed)</b>				
i	State	:	Maharashtra	Maharashtra	No change
ii	District	:	Nasik	Nasik	No change
iii	Location	:	Near Ekdare village, Peint Taluk	Near Ekdare village, Peint Taluk	No change
iv	Name of river	:	Damanganga river	Damanganga river	No change
v	Basin/sub basin	:	Damanganga	Damanganga	No change
vi	Latitude	:	20° 11' 17.03" N	20° 11' 17.03" N	No change
vii	Longitude	:	73° 32' 23.12" E	73° 32' 23.12" E	No change
viii	Top of dam level (m)	:	375.50	377.00	1.5
ix	Length of the dam (m)	:	302.00	293.00	-9.00
x	Height of the dam (m)	:	69.50	77.50	8.00
xi	Catchment area (sq km)	:	182.00	182.00	No change
xii	75% Dependability surplus yield at dam site	:	125.00 (as per CWC)	100.569	-24.43
xiii	Maximum water level (m)	:	374.50	375.50	1.00
xiv	Full reservoir level (m)	:	374.00	374.00	No change
xv	MDDL (m)	:	345.00	331.87	-13.13
xvi	Gross storage capacity (MCM)	:	36.41	32.95	-3.46
xvii	Live storage capacity (MCM)	:	29.37	29.56	0.19
xviii	Dead storage capacity (MCM)	:	7.04	3.39	-3.65
xix	Area of submergence at F.R.L (ha)	:	247.40	231.30	-16.10
xx	Forest area (ha)	:	41.91	115.45	73.54
xxi	River portion (ha)	:	53.40	0.00	-53.40
xxii	Other areas (ha)	:	152.09	115.85	-36.24
xxiii	No. of Villages affected in	:	4	4	No change

	submergence (only land)				
<b>6</b>	<b>Hatti weir (Proposed)</b>				
i	Location	:	Near Hatti village, Peint taluk, Nasik district, Maharashtra	Near Hatti village, Peint taluk, Nasik district, Maharashtra	<b>No change</b>
ii	Name of river	:	Hatti Nala	Hatti Nala	<b>No change</b>
iii	Basin/sub basin	:	Damanganga upstream of Ekdare	Damanganga upstream of Ekdare	<b>No change</b>
iv	Latitude	:	20° 13'21.08"	20° 13'21.08"	<b>No change</b>
v	Longitude	:	73° 35'45.45"	73° 35'45.45"	<b>No change</b>
vi	Catchment Area up to Hatti weir (sq.km)	:	14.41	14.41	<b>No change</b>
vii	River bed level (m)	:	460.00	449.00	<b>-11.00</b>
viii	Weir Crest level (m)	:	461.50	452.50	<b>-9.00</b>
ix	Height of the weir (m)	:	1.50	3.50	<b>2.00</b>
x	Length of weir (m)	:	17.40	73.90	<b>56.50</b>
xi	75% monsoon yield (MCM)	:	11.62	11.62	<b>0.00</b>
xii	Upstream projects utilization (MCM)	:	1.17 (Shinde MIP)	1.17	<b>0.00</b>
xiii	Balance available for diversion (MCM)	:	10.45	10.45	<b>0.00</b>
xiv	Submergence area (ha)	:	Confined to river course.	Confined to river	<b>No change</b>
xv	Villages affected (No.)	:	9	9	<b>No change</b>
<b>7</b>	<b>Nirgude weir (Proposed)</b>				
i	Location	:	Near Nirgude village, Peint taluk, Nasik district, Maharashtra	Near Nirgude village, Peint taluk, Nasik district, Maharashtra	<b>No change</b>
ii	Name of river	:	Nirgude nala (a small right bank stream of	Nirgude nala (a small right bank stream of	<b>No change</b>

			Damanganga river)	Damanganga river)	
iii	Basin/sub basin	:	Right bank stream of Damanganga river	Right bank stream of Damanganga river	<b>No change</b>
iv	Latitude	:	20° 13'36.79"	20° 13'36.79"	<b>No change</b>
v	Longitude	:	73° 35'25.45"	73° 35'25.45"	<b>No change</b>
vi	Catchment Area up to Nurgude weir (sq.km)	:	11.48	11.48	<b>No change</b>
vii	River bed level (m)	:	443.00	430.70	<b>-12.30</b>
viii	Weir Crest level (m)	:	445.00	440.00	<b>-5.00</b>
ix	Height of the weir (m)	:	2.00	9.30	<b>7.30</b>
x	Length of weir (m)	:	34.80	63.00	<b>28.20</b>
xi	75% monsoon yield (MCM)	:	9.25	9.25	<b>0.00</b>
xii	Upstream projects utilization	:	Nil	Nil	
xiii	Balance available for diversion (MCM)	:	9.25	9.25	<b>No change</b>
xiv	Submergence area (ha)	:	Confined to river course.	Confined to river course	<b>No change</b>
xv	Villages affected (No.)	:	Nil	Nil	<b>No change</b>
<b>8</b>	<b>Waghad project (Existing)</b>				
i	State	:	Maharashtra	Maharashtra	<b>No change</b>
ii	District	:	Nasik	Nasik	<b>No change</b>
iii	Latitude	:	20° 14'N	20° 14'N	<b>No change</b>
iv	Longitude	:	73° 44'E	73° 44'E	<b>No change</b>
v	Name of river	:	Kadwa river (a small tributary of Godavari river)	Kadwa river (a small tributary of Godavari river)	<b>No change</b>
vi	Catchment area (sq km)	:	119.00	119.00	<b>No change</b>
vii	Top of dam level (m)	:	673.60	673.60	<b>No change</b>
viii	Maximum water level (m)	:	671.20	671.20	<b>No change</b>
ix	Full reservoir level (m)	:	668.50	668.50	<b>No change</b>
x	MDDL (m)	:	650.50	650.50	<b>No change</b>
xi	Gross storage capacity (MCM)	:	76.48	76.48	<b>No change</b>

xii	Live storage capacity (MCM)	:	70.00 (revised to 65.18)	70.00 (revised to 65.18 )	<b>No change</b>
xiii	Area of submergence at F.R.L (ha)	:	1090.00	1090.00	<b>No change</b>
<b>9</b>	<b>Damanganga (Ekdare)- Godavari (Waghad) link project</b>				
<b>A</b>	<b>Features of link canal (pipe line)</b>				
i	Total length of the link canal (pipe line) (Km)	:	13.62	14.04	<b>0.42</b>
ii	Length of pipe line up to Jharlipada Diversion Scheme (km)	:	10.42	10.84	<b>0.42</b>
iii	Ridge cut link (Km)	:	1.30	1.30	<b>No change</b>
iv	Natural stream (Km)	:	1.90	1.90	<b>No change</b>
v	RCC underground pipe line between (Hatti to Nirgude) (Km)	:	0.80	0.80	<b>No change</b>
<b>B</b>	<b>Land Required for pipe line and pumphouses</b>				
i	Total Area (ha)	:	14.59	26.55	<b>11.96</b>
ii	Forest area (ha)	:	2.85	4.55	<b>1.70</b>
iii	Other Area (ha)	:	11.74	22.00	<b>10.26</b>
iv	Villages/Population affected	:	Nil	Nil	<b>No change</b>
<b>C</b>	<b>Lift at first stage from RD 0.00 km to 5.970 km</b>				
i	Maximum quantum of diversion (MCM)	:	30.51 MCM	27.88	<b>-2.63</b>
ii	Designed discharge (cumec)	:	12.84	10.41	<b>-2.43</b>
iii	Length of Pipe line (km)	:	5.97	6.10	<b>0.13</b>
iv	Nos. and Diameter of the pipe	:	4 x 1.40 m	2x1.80 m	<b>-2.00</b>
v	Velocity (m/s)	:	2.09 m/s	2.05	<b>-0.04</b>

vi	Off take level (m)	:	345.00	331.87	<b>-13.13</b>
vii	Outfall level (m)	:	445.00	442.00	<b>-3.00</b>
viii	Lift (m)	:	100.00	110.13	<b>10.13</b>
<b>D</b>	<b>Lift at 2nd stage from RD 5.97 km to 9.25 km</b>				
i	Maximum quantum of diversion (MCM)	:	33.92	38.00	<b>4.08</b>
ii	Designed discharge (cumec)	:	14.28	14.19	<b>-0.09</b>
iii	Length of Pipe line (km)	:	3.28	4.018	<b>0.738</b>
iv	Nos. and Diameter of the pipe	:	4 x 1.40 m	2x2.10 m	<b>-2.00</b>
v	Velocity (m/s)	:	2.32	2.05	<b>-0.27</b>
vi	Off take level (m)	:	445.00	438.33	<b>-6.67</b>
vii	Outfall level (m)	:	560.00	597.00	<b>37.00</b>
viii	Lift (m)	:	115.00	158.67	<b>43.67</b>
<b>E</b>	<b>Lift at 3rd stage from RD 9.25 km to 10.42 km</b>				
i	Maximum quantum of diversion (MCM)	:	33.92	38.00	<b>4.08</b>
ii	Designed discharge (cumec)	:	14.28	14.19	<b>-0.09</b>
iii	Length of Pipe line (km)	:	1.17	0.716	<b>-0.454</b>
iv	Nos. and Diameter of the pipe	:	4 x 1.40 m	2x2.10 m	<b>-2.00</b>
v	Velocity (m/s)	:	2.32	2.05	<b>-0.27</b>
vi	Off take level (m)	:	560.00	593.33	<b>33.33</b>
vii	Outfall level (m)	:	672.00	676.00	<b>3.60</b>
viii	Lift (m)	:	112.40	82.65	<b>-29.75</b>
<b>F</b>	<b>Power required for lifting</b>				
i	At stage I (MU)	:	68.10	27.53	<b>-40.57</b>
ii	At stage II (MU)	:	76.11	51.17	<b>-24.94</b>
iii	At stage III (MU)	:	66.93	26.60	<b>-40.33</b>
iv	<b>Total energy required (MU)</b>	:	<b>211.14</b>	<b>105.70</b>	<b>-105.44</b>
v	Total cost for energy required (Rs.Lakh)	:	3801.00		
<b>G</b>	<b>Installed capacity</b>				



i	Stage I (MW)	:	23.43	16.36	<b>-7.07</b>
ii	Stage II (MW)	:	26.62	30.37	<b>3.75</b>
iii	Stage III (MW)	:	23.04	15.79	<b>-7.25</b>
iv	<b>Total (MW)</b>	:	<b>73.09</b>	<b>62.52</b>	<b>-10.57</b>
<b>10</b>	<b>Economic analysis</b>				
i	Net annual benefit from irrigation (Lakhs)	:	6154.00	9675.00	<b>3521.00</b>
ii	Benefit from Domestic water supply (Lakhs)	:	105.00	62.00	<b>-43.00</b>
iii	Benefit from Industrial water supply (Lakhs)	:	33600.00	30294.00	<b>-3306.00</b>
iv	Benefit from water charges(Irrigation service fee) (Lakhs)	:	276.00	0.00	<b>-276.00</b>
v	Benefit from Pisciculture and lease amount (Lakhs)	:	47.00	5582.00	<b>5535.00</b>
vi	Benefit from Animal husbandry (Lakhs)	:	1953.00	351.00	<b>-1602.00</b>
vii	<b>Total Annual Benefit of the project (Lakhs)</b>	:	<b>42135.00</b>	<b>45964.00</b>	<b>3829.00</b>
viii	Annual cost (Lakhs)	:	24042.00		
ix	Cost of Unit-I Head Works (Lakhs)	:	119953.00	113608.00	<b>-6345.00</b>
	Unit II: Conveyance			29020.00	<b>29020.00</b>
	Cost of Unit-III Lifting Arrangements (lakh)	:	37395.00	44484.00	<b>7089.00</b>
	<b>Total cost of project (2019-2020 price level)(lakh)</b>	:	<b>157348 / 2019-20</b>	<b>187112/ 2022-23</b>	<b>29764.00</b>
x	B.C. Ratio (considering annual benefit and annual cost)	:	1.75	1.67	<b>-0.08</b>
xi	Internal Rate of Return (IRR)	:	11.11%	14.48%	<b>Increased</b>

- **Court case details: NIL**

#### **34.1.3 The EAC during deliberations noted the following:**

The proposal is for grant of amendment in Terms of References (TOR) to the project for Damanganga (Ekdare) - Godavari intrastate link project (CCA: 12998 Ha ) in an area of 257.85 Ha at Village Ekdare, Gonde, Shinde, etc., Sub District Peth and Dindori, District Nashik, Maharashtra by M/s Minor Irrigation Division.

The project is listed at S.N.1(c) of the Schedule to the Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

The Terms of Reference granted by the Ministry vide letter dated 13/02/2023 for the Damanganga (Ekdare) - Godavari intrastate link project at Village Ekdare, Tehsil Peint, District Nashik (Maharashtra) by M/s National Water Development Agency.

The EAC deliberated on the request of the project proponent seeking amendments in the Terms of Reference (ToR) for the project. The Committee noted that during detailed survey and investigation, total command area has been revised as 12998 ha from 18404 ha. There are changes in other components of salient features as well. The total land area has been decreased (261.99 ha to 257.85 ha) and however, forest land has increased from 44.76 ha to 120.0 ha. Additionally during the meeting PP informed that implementation authority of the project is M/s Minor Irrigation Division, Govt. of Maharashtra instead of M/s National Water Development Agency therefore, PP requested to change the name of proponent from M/s National Water Development Agency to M/s Minor Irrigation Division.

The EAC observed that there were certain miscalculations in the revised details of the project components initially submitted by the PP. However, the PP subsequently submitted the corrected information via email dated 02.07.2025. Upon review, the Committee members found the revised submission satisfactory.

The Committee observed that significant alterations have been made to the project's key components without prior consultation or concurrence from the Central Water Commission (CWC). Since CWC plays an important role in reviewing the technical aspects of such projects including hydrology, the Committee felt that their inputs should have been taken before making these revisions.

**34.1.4** The EAC after examining the information submitted and detailed deliberations recommended the proposal grant of amendment in Terms of References as proposed by the PP to Damanganga (Ekdare) - Godavari intrastate link project (CCA: 12998 Ha ) in an area of 257.85 Ha at Village Ekdare, Gonde, Shinde, etc., Sub District Peth and Dindori, District Nashik, Maharashtra by M/s Minor Irrigation Division, under the provisions of EIA Notification, 2006 and as amended with subject to the following additional conditions:

- i. PP shall explore the possibilities for reducing the Forest land requirement. The application for obtaining Stage I FC for 120 ha of forest land involved in the project shall be submitted within stipulated time.
- ii. PP shall prepare detail plan for Plantation of saplings under the tree plantation campaign "Ek Ped Ma Ke Naam".
- iii. All ToR points mentioned in the ToR letter dated 13/02/2023 shall remain unchanged.
- iv. EIA/EMP, collection of baseline data, other statutory clearance and the public hearing shall be carried out as per revised layout.
- v. The PP has informed that implementation authority of the project is M/s Minor Irrigation Division, Govt. of Maharashtra instead of M/s National Water Development Agency; therefore, the MoEF&CC may change the Project Proponent details in its records accordingly.

#### **Agenda Item No. 34.1**

**Sirkari-Bhyol Rupsiabagar Hydro Electric Project of 120 MW as Run of River scheme in an area of 30 ha by M/s UJVN LTD in Tehsil Munsiyari, Pithoragarh District (Uttarakhand) – Environmental Clearance (EC) – Reg.**

**[Proposal No. IA/UK/RIV/130432/2019; F. No. J-12011/12/2015-IA.I]**

**34.2.1** The proposal is for grant of Environment Clearance (EC) to SirkariBhyol Rupsiabagar Hydro Electric Project of 120 MW as Run of River scheme in an area of 30 ha in Tehsil Munsiyari, Pithoragarh District (Uttarakhand) by M/s UJVN LTD.

While considering the proposal, the EAC noted that due to poor internet connectivity, members could not clearly hear the consultant's presentation. As key technical details and clarifications could not be properly communicated, the Committee decided to defer the proposal to the next meeting to ensure a fair and informed appraisal. The proponent and consultant were advised to ensure stable connectivity in the next session.

The EAC decided to *defer* the proposal on the above lines.

**ATTENDANCE**

<b>S. No.</b>	<b>Name of Member</b>	<b>Role</b>
1.	Prof. Govind Chakrapani	Chairman
2.	Dr. Uday Kumar R Y	Member
3.	DR. J. V. Tyagi	Member
4.	Shri Kartik Sapre	Member
5.	Shri Ajay Kumar Lal	Member
6.	Shri Rakesh Goyal	Member Representative of Central Electricity Authority (CEA)
7.	Shri Balram Kumar	Member Representative of Central Water Commission (CWC)
8.	Shri Yogendra Pal Singh	Member Secretary



## APPROVAL OF THE CHAIRMAN

Approved.  
Chakrapani

On Tue, Jul 8, 2025 at 9:41 AM Yogendra Pal Singh <[yogendra78@nic.in](mailto:yogendra78@nic.in)> wrote:

Dear Sir,

The draft MOM of the 34TH EAC meeting was sent to all EAC members. No comments received till date.

Accordingly, the draft MOM is attached herewith for approval please.

With Regards,

**Yogendra Pal Singh**  
Scientist 'F'

**Government of India**

M/o Environment, Forest and Climate Change

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