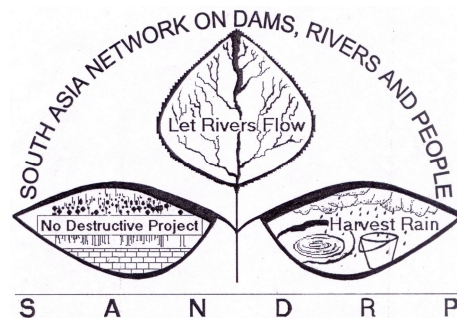


MoEF's Expert Appraisal Committee on River Valley Projects:

Stage 1 and 2 Environment Clearance status

From the minutes of EAC meetings

Project wise details: April 2007 to Dec 2012



South Asia Network on Dams, Rivers & People

www.sandrp.in

February 2013

TOR & Environment Clearance status of River Valley Projects**Project wise details: April 2007 to Dec 2012**

In this document we have given decision of meetings of Expert Appraisal Committee (EAC) for River Valley and Hydroelectric Projects constituted under the provisions of EIA notification 2006 during the period from Apr 2007 to Dec 2012. The document is organized region wise, comprising of North, North East, East, West and South Regions of India. Within each region, state wise information is given and within each state projects are listed river basin wise. For each project besides state, district and river basin, some basic features of the projects are given. After this, the dates of the EAC meetings where these projects were considered and main decisions taken in the EAC meetings are given.

This document from the South Asia Network on Dams, Rivers & People¹ (www.sandrp.in) provides further background and detailed information about the functioning of the EAC for the above mentioned period, compared to the overview information given in the accompanying SANDRP document² titled "Analysis of MOEF's EAC on RVP: The Expert Approval Committee has zero rejection in six years", that is being simultaneously published. We are hopeful that these two documents will be helpful in giving clear picture about functioning of the EAC to all concerned.

North India**HARYANA**

Dadupur - Nalvi Irrigation Project	
Dist/ State	Ambala, Yamuna Nagar-Kurukshetra/ Haryana
River/ Basin	Yamuna
Proposal	Env Clearance
Developer	Govt of Haryana
CCA (Ha)	92532
Decision	
2 nd Meeting (16.05.2007)	With some observations the EAC approved the proposed TOR.
19 th Meeting (15-16.10.2008)	Project authority did not attend the meeting neither distributed documents to the members.
20 th Meeting (20-21.11.2008)	The committee desired to have some more information submitted to the Committee.
23 rd Meeting (16-17.02.2009)	As the representatives of the project authority were unable to explain the requested issues satisfactorily, the committee decided to depute a sub-group to visit the proposed site for on the spot examination. The sub group included: Dr. B.P. Das; (ii) Representative of CWC; (iii) MoEF
26 th Meeting (14.05.2009)	The committee was satisfied with the reply submitted and presented by the project authority. The site visit could not be undertaken. The committee desired that the proposed site be visited latest by last week of May, 2009. A final view on the project will be taken after the site visit
27 th Meeting (15-16.06.2009)	The site visit could not be undertaken as Dr. B.P. Das is abroad, Committee recommended the project for Environmental Clearance without site visit.

Hansi Branch – Butana Branch Multipurpose Link Channel	
Dist/ State	Haryana
River/ Basin	Yamuna
Proposal	Env Clearance
Developer	Irrigation Dept, Govt of Haryana
CCA (Ha)	2,32,024
Drinking Water (MAF)	0.4
Area Req (Ha)	553.21
Forest Land (Ha)	8.87
Village affected	53
Decision	
2 nd Meeting (16.05.2007)	Public hearing was held in Kaithala & Jind on 10.3.2007 and Kurukshetra & Karnal on 11.4.2007. The committee desired to have some information/ clarifications.
4 th Meeting (18-19.07.2007)	The member felt that some mistakes have not been corrected. Ministry may process the proposal for environment clearance after receipt of corrected data.

¹ Both documents authored by Himanshu Thakkar and Bipin Chandra Chaturvedi, Bipin has done the detailed compilation for the two documents.

² See: http://sandrp.in/env_governance/TOR_and_EC_Clearance_status_all_India_Overview_Feb2013

HIMACHAL PRADESH

Dhulasidh Hydroelectric Power Project		
Dist/ State	Hamirpur and Kangra of Himachal Pradesh	
River/ Basin	Beas	
Proposal	Env Clearance	
Developer	Satluj Jal Vidlyut Nigam Ltd	
Installed Capacity (MW)	66 (2x33)	
Height of Dam (m)	61	
FRL (m)	520	
HRT (km)	2.28	
Submergence area (Ha)	552	
Area required (Ha)	Villages affected	40 (427 families)
	Forest Land	63
	Private land	108
Decision		
37 th Meeting (22.04.2010)	Recommended prior environmental clearance and approved the TOR with some additional TORs.	
55 th Meeting (10-11.02.2012)	Sought additional information on some issues.	
59 th Meeting (20-21.07.2012)	The Scoping Clearance was accorded on 20.05.2010. Public Hearing for the project was held on 15 th -16 th September 2011 and Stage -1 Forest Clearance has been accorded on 6 th March 2012. TEC has been given on 25 th June 2011. Recommended environment clearance for the project subject to submission of the updated avi-fauna list and revised report on Basal area calculation for the record purpose.	
62 nd Meeting (23-24.11.2012)	The Environmental Clearance may be issued indicating three different set of figures of environmental flow.	

Lambadug HEP		
Dist/ State	Kangra Dist/ Himachal Pradesh	
River/ Basin	Lambadug/ Beas	
Proposal	Env Clearance	
Developer	Himachal Consortium	
Installed cap (MW)	25	
Area Req (Ha)	9.7914	
Forest Land (Ha)	1.87	
Decision		
5 th Meeting (16.08.2007)	The proposal falls under 'B' category, it has been submitted to the Central Govt as it falls in the Dhauladhar wildlife Sanctuary. The Supreme Court has granted clearance by order dated 28 th March, 2007. Details of wildlife area to be submitted. The project authorities requested to resubmit the EIA report after checking/clarifying requested issues. The proposal was submitted without conducting public hearing.	
17 th Meeting (21-22.08.2008)	Public hearing was conducted on 11 th March, 2008. Recommended environmental clearance subject to submission of requested information.	

Nakthan HEP		
Dist/ State	Kullu/ Himachal Pradesh	
River/ Basin	Parbati & Tosh Nala	
Proposal	TOR	
Developer	Himachal Pradesh Power Corporation Ltd	
Installed capacity (MW)	520 (4x130)	
Height of dam (m)	30 and 24.50	
Area required (Ha)	97.76	
	Forest Land	80.56
Decision		
40 th Meeting (20-21.08.2010)	It was of the opinion that some more documents and information should be submitted.	
45 th Meeting (20-21.12.2010)	With some observations, the Committee approved the clearance for pre-construction activities and approved the TOR.	

Sainj HEP		
Dist/ State	Kullu/ Himachal Pradesh	
River/ Basin	Sainj	
Proposal	Env Clearance	
Developer	Himachal Pradesh Power Corporation Ltd	
Installed Capacity (MW)	100	
Height of dam (m)	24.5	
Area Req (Ha)	56.763	

Submergence Area (Ha)	Forest Land	41.94
	Villages affected	71+135 PAPs
Decision		
3 rd Meeting (22.06.2007)	The project lies in the vicinity of Great Himalayan National Park (GHNP) and forms part of Eco-development Zone which served buffer zone for GHNP. The boundary of Sainj wildlife Sanctuary is about 3 km from the barrage site. Recommended clearance for pre-construction activities and suggested some additional TORs.	
20 th Meeting (20-21.11.2008)	Committee desired some more information should be submitted to the Committee.	
22 nd Meeting (22.01.2009)	Recommended environmental clearance subject to submission of some requested information.	
24 th Meeting (19-20.03.2009)	The committee wanted commitment regarding conservation of native fish species and Project Affected Families being rendered landless. The commitment was submitted and environmental clearance recommended.	

Thana-Plaun Hydroelectric Power Project

Dist/ State	Mandi/ Himachal Pradesh	
River/ Basin	Beas	
Proposal	TOR	
Developer	Himachal Pradesh Power Corp Ltd.	
Installed Capacity (MW)	141	
Height of Dam (m)	85.5	
FRL (m)	725	
HRT (km)	6.4	
Area required (Ha)	497	
	Villages affected	47 (766 PAFs)
	Forest Land	339
Decision		
55 th Meeting (10-11.02.2012)	However, it was decided that since it is upstream of Triveni Mahadev HEP, it will be considered when the hydrology data substantiated with rain fall data shall be submitted for the entire Basin. The comments of the Committee for Triveni Mahadev HEP shall also be taken for this project also.	
57 th Meeting (27-28.04.2012)	Committee suggested that some points should be included in ToRs for conducting the EIA study.	
60 th Meeting (7-8.09.2012)	Recommended Scoping clearance and approved TORs for the preparation of EIA/EMP reports with some additional TORs.	

Triveni Mahadev Hydro Electric Project

Dist/ State	Mandi and Kangra Districts/ Himachal Pradesh	
River/ Basin	Beas	
Proposal	TOR	
Developer	Himachal Pradesh Power Corporation Ltd	
Installed Capacity (MW)	78	
Height of Dam (m)	32	
FRL (m)	597.5	
Area required (Ha)	482	
	Villages affected	27
	Forest Land	384
Decision		
55 th Meeting (10-11.02.2012)	It was decided that complete hydrology with actual rain fall data for justifying availability of water for the project should be provided. Spill from Pandoh Dam may be separated from Sujampur data and submitted. Desired some more information on the relevant issues.	
60 th Meeting (7-8.09.2012)	Recommended Scoping clearance and approved TORs for the preparation of EIA/EMP reports with some additional TORs.	

Chhatru HEP

Dist/ State	Lahul and Sapiti District /Himachal Pradesh	
River/ Basin	Chandra	
Proposal	TOR	
Developer	DCM Sriram Infrastructure	
Height of dam (m)	14	
Installed Cap (MW)	108	
Catchment area (sq km)	1583	
Area Req (Ha)	95.26	
Submergence area (Ha)	25	
Decision		
14 th Meeting (07-08.05.2008)	The committee desired in addition to the proposed TOR, some items also to be included in the TOR. Some discrepancy pointed out in the Form -1. Approved the TOR subject to submission of the revised TOR incorporating requested suggestion and recommended clearance for pre-construction activity.	
57 th Meeting	Comments received from the EAC members shall be passed on to the PP and EIA/EMP report shall be recast/ redrafted. The revised EIA	

(27-28.04.2012) For Env Cl	/EMP Report shall be submitted to the Ministry, Dr. J.K. Sharma and Dr. T.S. Nayar for their review. The height of dry rubble masonry check dam shown as 6.0 m in Plate 1.1 of Chapter on CAT Plan shall be corrected as 0.6 m in the final corrected copy.
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Dugar HEP	
Dist/ State	Chamba/ Himachal Pradesh
River/ Basin	Chenab
Proposal	TOR
Developer	Dugar Hydro Power Ltd
Height of dam (m)	99
Installed Cap (MW)	380
Decision	
61 st Meeting (12-13.10.2012)	The project proponent mentioned that the project was awarded to the consortium for the capacity of 236 MW in April 2011. The PFR of the project was made for 380 MW and was submitted to Directorate of Energy, Govt of Himachal Pradesh in July 2012. The Govt of Himachal Pradesh has given its NOC for enhancing the capacity of the Project to 380 MW in August 2012. The committee suggested that minimum environmental flow release should be 20% of the average of the four lean months of 90% dependable year. In non-monsoon non-lean season the release should be between 20-30% of the average flows during the period in 90% dependable year. The environmental releases/spill during the monsoon season should be 30% of average monsoon flow for 90% dependable year. Recommended clearance for pre-construction activities and approved the TOR with some additional terms.

Gondhala HEP	
Dist/ State	Lahul & Spiti Districts/ Himachal Pradesh
River/ Basin	Chandra/ Chenab
Proposal	TOR
Developer	Moser Baer India Ltd.
Height of dam (m)	16
Installed Cap (MW)	144
Decision	
18th Meeting (21-22.08.2008)	Deferred to the next meeting.
19th Meeting (15-16.10.2008)	- There are five more projects on this river in the upstream and downstream of Gondhala Hydroelectric Project (HEP). - The committee expressed it's concerned of getting the river dried due to tunnel link of Cascade of projects. Recommended approval for pre-construction activity and suggested some additional TORs.

Gyspa HEP	
Dist/ State	Lahaul & Spiti District/ Himachal Pradesh
River/ Basin	Bhaga/ Chandra Bhaga (Chenab)
Proposal	TOR
Developer	Himachal Pradesh Power Corporation Limited
Installed Cap (MW)	300
Height of dam (m)	200
FRL (m)	3466
MDDL (m)	3335
Catchment area (sq km)	1311
HRT (km)	11.75
Submergence Area (Ha)	1220 (4 villages)
Area required (Ha)	1635
	Village Affected 14
	Forest Land 1500
Decision	
41st Meeting (24-25.09.2010)	The project proponent did not attend the meeting.
43rd Meeting (12-13.11.2010)	Requested the proponent to submit a fresh proposal after reducing the height of the dam.
48th Meeting (26.3.2011)	Approved the TOR proposed by the Project with some additions.

Miyar Hydroelectric Power Project	
Dist/ State	Lahul & Spiti/ Himachal Pradesh
River/ Basin	Chenab
Proposal	TOR for enhanced capacity
Developer	Moser Baer Projects Pvt. Ltd
Installed Capacity (MW)	90 to 120
Height of Dam (m)	27
FRL (m)	2845
MDDL (m)	2837

HRT (km)	6.65	
Catchment Area (Sq Km)	901	
Submergence Area (Ha)	15.76	
Area required (Ha)	69.94	
	Villages affected	(71 PAFs)
	Forest Land	63.06
Decision		
31 st Meeting (21-22.10.2009)	Desired some issues along with suggested observations should be incorporated in the proposed TOR. Recommends clearance for pre-construction activities for survey and investigation.	
41 st Meeting (24-25.09.2010)	Agreed to change in layout and adequacy of TOR as the project area remains same. EAC felt that enhancement in installed capacity from 90 MW to 120 MW seems optimal based on the approved hydrology of project by CWC, EAC was however constrained to agree to enhanced capacity of 120 MW unless supported by letter / agreement of state govt specifically allowing the project proponent for 120 MW development. Project proponent was directed to obtain letter / agreement for 120 MW.	

Purthi HEP

Dist/ State	Lahaul & Spiti and Chamba District of Himachal Pradesh	
River/ Basin	Chenab	
Proposal	TOR	
Developer	Purthi Hydro Power Private Limited	
Installed Cap (MW)	300	
HRT (km)	10.2	
Area required (Ha)	72	
Decision		
62 nd Meeting (23-24.11.2012)	Noted that the project is conceived as an extension of Reoli Dugli HEP on Chenab River by utilizing the tail water discharge of Reoli Dugli HEP. The Committee did not find the instant project in its present form and shape fit to be awarded scoping clearance.	

Reoli-Dugli Hydroelectric Project

Dist/ State	Lahaul-Spiti District/ Himachal Pradesh	
River/ Basin	Chenab	
Proposal	TOR	
Developer	L&T Himachal Hydropower Ltd.	
Height of dam (m)	75	
Installed Cap (MW)	420 (4x105)	
HRT (km)	10.775	
Area Req (Ha)	182	
Submergence area (Ha)	66	
Decision		
60 th Meeting (07-08.09.2012)	The committee sought some additional information.	
63 rd Meeting (26-27.12.2012)	Recommended clearance for pre-construction activities with some additional TOR.	

Such Khas Hydroelectric Power Project

Dist/ State	Chamba/ Himachal Pradesh	
River/ Basin	Chenab	
Proposal	TOR	
Developer	L&T Himachal Hydropower Ltd.	
Height of dam (m)	70	
FRL (m)	2219	
Installed Cap (MW)	260 (4 X37.25)+7	
Area Req (Ha)	102.48	
Submergence area (Ha)	65	
Forest Land (Ha)	102.48	
Decision		
60 th Meeting (07-08.09.2012) For Revision of TORs for revised cap from 149 MW to 267 MW	There is no free riverine reach upstream of reservoir tip (RL 2219 m) and downstream of the TWL (RL 2220 m) of Purthi project. A nominal 200 m is shown in the report. This issue needs critical examination while studying ecological flow. Chenab below Tandi is progressively being obstructed fully by Seli, Reoli-Dugli, Purthi and Sach Khas projects. Chenab river in this reach has good fish species diversity and their need for sustenance has to be studied by a reputed institute. The committee sought details on some points.	
62 nd Meeting (23-24.11.2012)	Recommended clearance for pre-construction activities and approved the TOR with some additional TORs,	

Seli Hydro Power Project		
Dist/ State	Lahul and Spiti District/ Himachal Pradesh	
River/ Basin	Chandra Bhaga (Chenab)	
Proposal	Revision of Capacity at TOR stage	
Developer	Seli Hydro Electric Power Company Limited of Moserbaer Projects	
Installed capacity (MW)	400 (4x400)	
Height of Dam (m)	78	
HRT (km)	2 Nos. - 4.17 & 4.25	
Catchment area (sq km)	6033	
Submergence area (Ha)	197.9092	
Area required (Ha)	292.9654	
	Villages affected	14 families
	Forest Land	276.1875
Decision		
35 th Meeting (18-19.02.2012)	On the TOR issue, project proponent informed that same has been proposed based on already approved TOR for Miyar project in Chenab Basin in Lahaul & Spiti district. Committee approved the proposed TOR and recommends clearance for pre-construction activities for survey and investigation.	
52 nd Meeting (16-17.09.2011)	Approved the enhanced capacity based on some more conditions.	
58 th Meeting (1-2.06.2012) For EC	Satisfied with the process of public hearing carried out by State Pollution Control Board. Recommended the project for Environment Clearance with some suggestions.	

Telling HEP		
Dist/ State	Lahaul & Spiti Kinnaur District of Himachal Pradesh	
River/ Basin	Chandra/ Chenab	
Proposal	TOR	
Developer	Teling Hydro Power Private Limited	
Height of dam (m)	22	
Installed Cap (MW)	94	
Catchment area (sq km)	1886	
Submergence area (Ha)	20	
Area required (Ha)	83	
Decision		
62 nd Meeting (23-24.11.2012)	Recommended clearance for pre-construction activities and approved the TOR with some additional TOR.	

Bajoli Holi Hydro Electric Project		
Dist/ State	Chamba/ Himachal Pradesh	
River/ Basin	Ravi	
Proposal	Env Clearance	
Developer	GMR Bajoli Holi Hydropower Pvt. Ltd	
Height of dam (m)	33 or 66???	
Installed Capacity (MW)	180 (3x60)	
HRT (km)	15.56	
Area required (Ha)	85.70	
	Forest Land	75.23
	Private Land	9.57
	PAFs	288
Decision		
9 th Meeting (13-14.12.2007) for TOR	The committee suggested some additional TORs. Revised TOR based on suggested observations and updated Form 1 should be submitted.	
10 th Meeting (16-17.01.2008)	Approved the TOR with some addition, and recommended clearance for pre construction activities.	
45 th Meeting (20-21.12.2010) EC	Recommended environmental clearance to the project with some conditions.	

Bara Bangahal HEP		
Dist/ State	Kangra/ Himachal Pradesh	
River/ Basin	Ravi	
Proposal	TOR	
Developer	Malana Power Co. Ltd.	
Height of dam (m)	21.5	
Installed Cap (MW)	200	
Area Req (Ha)	53.64	
Forest Land (Ha)	48.64	

Decision	
18th Meeting (21-22.08.2008)	Deferred to the next meeting.
19th Meeting (15-16.10.2008)	- Left bank of the proposed barrage is within Dhuladhar Wildlife Sanctuary. Wildlife Division of the State Govt has already granted permission for undertaking survey in this area. The EAC desired to know some more information.
21st Meeting (15-16.12.2008)	- The project is located within the wildlife sanctuary: comment of Chief Wildlife Warden of the State Govt should be furnished. - Justification for environmental need of water especially in respect of aquatic life in the river should be given. - Clearance from Supreme Court to be submitted for encroaching the wildlife sanctuary area. - As sanctuary area is involved the committee could not recommend the clearance for pre-construction activity in the project area. However, TOR for preparation of EIA and EMP report with some observation was approved.

Chanju-I HEP	
Dist/ State	Chamba/ Himachal Pradesh
River/ Basin	Baira/ Ravi
Proposal	Final Env Clearance
Developer	I A Energy
Installed Cap (MW)	36 (3x12)
H/ L of Dam (m)	16
FRL (m)	1440
MDDL (m)	1432
Live Storage (m ³)	130,700
Catchment Area (m ²)	307
Area required (Ha)	35.989
	Forest Land 33.085
Decision	
47 th Meeting (26.02.2011)	Recommending 20% of the four consecutive lean months flow as the minimum environmental flow to be maintained. The flow was recalculated and PP agreed for 20% which works out to be 0.8 m ³ / Sec. Recommended the Environment Clearance to the Project subject to submission of requested information to the Ministry.

Kuther (Kutehar) Hydro Electric Project	
Dist/ State	Himachal Pradesh
River/ Basin	Ravi
Proposal	Env Clearance
Developer	JSW Energy Ltd
Height of dam (m)	23
Installed capacity (MW)	260
Area required (Ha)	85.36
	Forest Land 79.18
	Private Land 6.18
	PAFs 30 (10 villages)
Decision	
11th Meeting (20-21.02.2008)	The Committee pointed out some discrepancies in the Form-I and TOR.
14th Meeting (07-08.05.2008)	Approved the TOR as well as recommended clearance for the construction activity.
43rd Meeting (12-13.11.2010)	- Project allotted as a cascade scheme with upstream and downstream projects. The immediate upstream project is Bajoli Holi and downstream project is Chamera Stage-III HEP. - All these projects are blocking the river over a length of almost 30.00 km. - No cumulative impact study has been carried out so far
46th Meeting (21-22.01.2011)	Committee accepted the clarification. Recommended environment clearance to the project with some conditions.

Chango-Yangthang Hydroelectric Project	
Dist/ State	Kinnaur/ Himachal Pradesh
River/ Basin	Spiti
Proposal	TOR
Developer	Malana Power Company Ltd
Height of dam (m)	23
Installed Cap (MW)	180
Area Req (Ha)	80 to 146
Submergence area (Ha)	40 to 53
Forest Land (Ha)	72
Decision	
16th Meeting (16-17.07.2008)	- The committee desired clarification/ information on some issues. - The project authority is advised to submit the revised documents based on the suggested observations.

18 th Meeting (18-19.09.2008)	The clarification found satisfactory. Recommended clearance for pre-construction activity and approved the proposed TOR with some additional TOR.
60 th Meeting (7-8.09.2012) TOR for capacity from 140 to 180 MW	The committee observed that the TOR stipulations during 2008 have undergone certain changes particularly with respect to the norms of environmental flow release; muck disposal etc. and hence norms prevalent are to be Followed strictly. Agreed with the revised capacity of the project from 140 MW to 180 MW and recommended Scoping clearance for the preparation of EIA/EMP reports with some additional TORs along with proposed TORs.

Lara Sumta HEP

Dist/ State	Lahaul & Spiti District/ Himachal Pradesh	
River/ Basin	Spiti/ Sutlej	
Proposal	TOR	
Developer	Lara Sumta Hydro Power Private Limited.	
Installed Cap (MW)	104	
HRT (km)	8.47	
Catchment area (sq km)	5210	
Submergence area (Ha)	26.30	
Area required (Ha)	97.75	
Forest Land (Ha)	79.50	
Decision		
61 st Meeting (12-13.10.2012)	The committee suggested that minimum Environmental Flow release should be 20% of the average of the four lean months of 90% dependable year. In non-monsoon non lean season the release should be between 20-30% of the average flows during the period in 90% dependable year. The environmental releases / spill during the monsoon season should be 30% of average Monsoon flow for 90% dependable year. Recommended clearance for pre-construction activities and approved the TOR with some additional TORs.	

Luhri Hydro Power Project

Dist/ State	Shimla, Kullu and Mandi Districts/ Himachal Pradesh	
River/ Basin	Sutlej	
Proposal	Env Clearance	
Developer	Satluj Jal Vidyut Nigam	
Installed Capacity (MW)	775	
Height of dam (m)	86	
Catchment area (sq km)	51600	
HRT (km)	38.14	
FRL (m)	862.9	
Submergence Area (Ha)	153.05	
Area required (Ha)	380.32	
	Villages affected	24 (468 PAFs)
	Forest Land	271
Decision		
1 st meeting (18.04.2007) TOR	Recommended clearance for pre construction activities and with some more TORs.	
56 th Meeting (30-31.03.2012)	The Committee expressed its unhappiness with the consultant for the poor quality of presentation material. The Committee also expressed its concern over the long stretch of river of about 50 km getting dry due to a long HRT, large reservoir length and large number of people getting affected due to the submergence. The Committee felt that the TORs of the project were decided during April-May 2007 when the water environment issues were not as conspicuous or serious as they are in the current times. Otherwise, such a long diversion of river water through the HRT which would affect continuous river length of 46 km would have been objected at that time. The project shall be reconsidered on receipt of the above and some more information.	
62 nd Meeting (23-24.11.2012)	Recommended the environmental clearance for the project subject to some conditions.	

Shongtong-Karcham Hydro Electric Project

Dist/ State	Kinnaur/Himachal Pradesh	
River/ Basin	Sutlej	
Proposal	Env Clearance	
Developer	HPPCL	
Installed Capacity (MW)	402	
HRT (km)	8.02	
Area required (Ha)	79.17	
Forest Land (Ha)	65.54	
Decision		
5 th Meeting (16.08.2007)	No details of CAT is given. The committee desired to know, how hydrology will be affected once upstream projects come up, needs to be explained. Recommended clearance for pre-construction activity and suggested that requested issues must be	

	incorporated in the proposed TORs for preparation of EIA/EMP report.
30 th Meeting (14.09.2009)	Desired additional information & clarification on some issues.
33 rd Meeting (15-16.12.2009)	It was noted that design flood studies for the project has been submitted to CWC and under process for approval. There was some discrepancy in the catchment area of Sutlej river at proposed diversion site which may be reconciled. The average inflow at the downstream Nathpa Jhakri HEP as per the DPR is 9595.80 mm ³ . The average yield at the diversion site of Shongtong-Karchham HEP as per the approved hydrology is 9231.54 mm ³ . - Clarification on the above and other issues may be submitted for further consideration by the committee.
35 th Meeting (18-19.02.2010)	Recommended environment clearance to the project.

Sumte Kothang HEP

Dist/ State	Lahaul & Spiti District / Himachal Pradesh
River/ Basin	Spiti/ Sutlej
Proposal	TOR
Developer	Sumte Kothang Hydro Power Private Limited
Height of dam (m)	22
Installed Cap (MW)	130
HRT (km)	10.84
Catchment area (sq km)	5560
Submergence area (Ha)	32.2
Area required (Ha)	110
Forest Land (Ha)	87

Decision

61 st Meeting (12-13.10.2012)	Suggested that minimum Environmental Flow release should be between 20-30% of the average of the four lean months of 90% dependable year. In non-monsoon non lean season the release should be 25% of the average flows during the period in 90% dependable year. The environmental releases/spill during the monsoon season should be 30% of average Monsoon flow for 90% dependable year. Recommended clearance for pre-construction activities and approved the TOR with some additional TOR.
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Tidong -I Hydroelectric Project

Dist/ State	Kinnaur/ Himachal Pradesh
River/ Basin	Tidong/ Sutlej
Proposal	Env Clearance
Developer	Naziveedu Seeds Ltd
Height of dam (m)	10
Installed Cap (MW)	100
Submergence area (Ha)	2
Area required (Ha)	46.66
Forest Land (Ha)	43.59
Govt Land (Ha)	18

Decision

4 th Meeting (18-19.07.2007)	The committee desired some more information.
5 th Meeting (16.08.2007)	Recommended environmental clearance to the project with some suggestions.

Tidong -II Hydroelectric Project

Dist/ State	Kinnaur/ Himachal Pradesh
River/ Basin	Tidong/ Sutlej
Proposal	TOR
Developer	Himachal Pradesh Power Corporation Ltd
Height of dam (m)	NA
Installed Cap (MW)	60
Submergence area (Ha)	78
Area required (Ha)	164.53
Forest Land (Ha)	132.53
Govt Land (Ha)	18

Decision

28 th Meeting (28-29.07.2009)	Public hearing was held on 12 th July, 2008 whereas the EIA and EMP are dated June, 2009. Thus, the public hearing was held without the EIA report. Mr. Jawaharlal, Chief Engineer admitted so. The committee advised him to conduct the public hearing again as per procedure mentioned in the EIA Notification, 2006 and then resubmit the proposal again with requested clarification.
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Yangthang - Khab HEP

Dist/ State	Kinnaur District/ Himachal Pradesh
River/ Basin	Sutlej

Proposal	TOR
Developer	Yangthang Power Ventures Ltd
Height of dam (m)	20
Installed Capacity (MW)	261 (3x87)
Decision	
26th Meeting (14.05.2009)	- The committee suggested that a Model TOR approved by the Ministry be provided to project authority and the revised TOR incorporating the suggested information may be submitted for further consideration.
27th Meeting (15-16.06.2009)	- In earlier meeting, the committee had suggested revising the proposed TOR incorporating certain issues the revised document/ TOR was considered by the committee. Approved TOR and recommended clearance for pre-construction activities for investigation and survey.

Chirgaon-Majhgaon HEP	
Dist/ State	Shimla District, Himachal Pradesh
River/ Basin	Pabbar
Proposal	TOR for enhanced capacity
Developer	Himachal Pradesh Power Corporation Ltd
Installed capacity (MW)	60
HRT (km)	10.3
Area required (Ha)	31.58
	Forest Land 7.88
	Private Land 21.68
Decision	
39th Meeting (17.07.2010)	Advised the proponent to explore the possibility of reduction of FRL for keeping about 1 km distance from tail water level of upstream project as well as availability of water for power generation on 90% dependability be submitted.
40th Meeting (20-21.08.2010)	Recommended clearance for pre-construction activities and approve the proposed TOR along with some additional TORs.
62 nd Meeting (23-24.11.2012) extension of validity	<ul style="list-style-type: none"> □ The Ministry granted TOR to this project 29.10.2010 and the 2 years validity period ended 29.10.2012 □ 4 season data for flora & fauna I studies have incorporated which took additional field visits and EIA/EMP reports are under finalization and will be submitted to the SPCB for conducting public hearing. The project proponent informed that the same would be completed in another 1 year time. Recommended for extension of validity for 1 year i.e. 31.10.2013.

Dhamwari Sunda Hydro Electric Project	
Dist/ State	Shimla/ Himachal Pradesh
River/ Basin	Pabbar/ Yamuna
Proposal	TOR & Env C
Developer	Dhamwari Power Co. Pvt. Ltd
Installed Capacity (MW)	70 (2x35)
Height of Dam	28
FRL (m)	EL 2180
MDDL (m)	EL 2170
HRT (km)	10.14
Catchment Area (sq km)	212.48
Area required (Ha)	23.3025
	Villages affected
	Forest Land 18.123
Decision	
26th Meeting (14.05.2009) for TOR	Committee agreed to allow the proponent to generate two seasons' baseline data on the premise that the project was earlier accorded environmental clearance by the Ministry. In addition, the committee desired additional information/clarification on some issues. The committee suggested revised TORs in accordance with the model TOR.
28th Meeting (28-29.07.2009)	Recommended clearance for pre construction activities and approved the TOR with the additions as suggested.
50 th Meeting (02-03.06.2011) EC	The Proposal shall be reconsidered after submission of the requested information.
51st Meeting (15-16.07.2011)	Recommended Environment Clearance to the project with some conditions-.

Renuka Dam Project	
Dist/ State	Sirmour District, Himachal Pradesh
River/ Basin	Giri/ Yamuna
Proposal	Env Clearance
Developer	Himachal Pradesh Power Corporation Ltd
Height of dam (m)	148
Installed Capacity (MW)	40
Submergence area	1197.60 (761.60+436)
Area required (Ha)	1532.60
Forest Land	955.82

Private Land	576.78
Village affected	32 (308 PAFs)
Decision	
5 th Meeting (16.08.2007) For TOR	This project was submitted to the Ministry during 1999 for environmental clearance. However, as a portion of Renuka Wildlife sanctuary was involved, the proposal was rejected by the Ministry. The Project authority has now got clearance from Supreme Court for de-reservation of sanctuary area and resubmitted the proposal for env clearance. The EAC suggested that in addition to the proposed TORs, comments given by some members and chair should be incorporated. Recommended clearance for the pre-construction activities. The committee decided to depute a sub-group of the committee to examine some issues on the spot.
21 st Meeting (15-16.12.2008)	- 49 ha of Renukaji Wildlife Sanctuary will be submerged. - Supreme Court has accorded approval for diversion of forest land on 17th November, 2006 with some conditions. - Desired that some more information to be submitted to the Ministry.
26 th Meeting (14.05.2009)	The committee informed the project authority regarding representation made by NGO group against this project. A copy of the representation was handed over to the project authority during the meeting and the project authority agreed to submit the response on the representation immediately. It was decided that the proposal may be included in the agenda of the next meeting of the EAC for taking a decision on the proposal.
28 th Meeting (28-29.07.2009)	Recommended environmental clearance to the project.

Rupin Hydro Electric Project

Dist/ State	Shimla District, Himachal Pradesh
River/ Basin	Nargani, Rupin and Saru
Proposal	TOR
Developer	Shri Bajrang Power & Ispat Ltd
Installed capacity (MW)	45
Height of dam (m)	16
Area required (Ha)	27
Decision	
40 th Meeting (20-21.08.2010)	Recommended clearance for pre-construction activities and approved the proposed TOR with some additional TORs.
62 nd Meeting (23-24.11.2012) extension of validity	□ The Ministry granted TOR to this project on 13.9.2010 and the 2 years validity period ended 13.9.2012. □ The draft EIA/EMP Reports for the project have been prepared and likely to be submitted to the SPCB for conducting public hearing. The project proponent informed that the same would be completed in another 1 year time. Recommended for extension of validity for 1 year i.e. 30.9.2013.

JAMMU & KASHMIR

Baglihar stage II HEP

Dist/ State	Chanderkote, J & K
River/ Basin	Chenab
Proposal	TOR & EC
Developer	J & K State Power Development Corporation
Height of dam (m)	NA
Installed Cap (MW)	450
Decision	
31 st Meeting (21-22.10.2009)	The project proponent did not attend the meeting nor circulated the documents to the committee members. They also did not inform the Ministry about their absence.
32 nd Meeting (16.11.2009)	Desired some more information.
37 th Meeting (22.04.2010)	It was noted that Baglihar HEP Stage -II is only an extension of Baglihar HEP Stage-I which has already been commissioned for 450 MW power generation since 1st April, 2009. No additional land is required for the proposed extension. Only a tunnel and powerhouse is proposed for construction. Recommended TORC to the project.
60 th Meeting (7-8.09.2012) EC	The Public Hearing was conducted on 14.5.2012. Recommended environmental clearance with some conditions.

Bursar Hydro Power Project

Dist/ State	Kishtwar District of Jammu & Kashmir
River/ Basin	Marusudhar
Proposal	TOR
Developer	NHPC
Height of dam (m)	265
Installed Cap (MW)	1200/ 1500
Area Req (Ha)	1665
Submergence area (Ha)	1563

Forest Land (Ha)	577
Decision	
57th Meeting (27-28.04.2012) Request for enhancement of capacity to 300 MW	<p>- It was noted by the Committee that Bursar is one of the 14 water resource projects declared by the Central Govt as National Projects.</p> <p>- In order to utilize the share of India in the Indus Water Treaty, the project was taken up and dam locations were reviewed by the Ministry of Water Resources in 2009 and inter alia it was decided that NHPC may carry out survey & investigation at two potential locations i.e. Dam-site at Pakal as Alternative-I and Dam-site at Hanzal as Alternative-II and prepare DPR. The best site shall be decided after completion of investigations. Both the sites are near Kishtwar High Altitude National Park (KHANP).</p> <p>- The Committee suggested that the project proponent needs to decide one site as the Scoping Clearance and TORs is site specific. The proponent insisted that the sites could be decided only after the survey and investigation are complete and without the Scoping Clearance and TORs, these cannot be completed.</p> <p>The Committee decided that in that case, the project proponent may apply for separate Scoping Clearances for both the sites by making two separate applications. The projects may be named as 'Bursar project at Pakal site' and 'Bursar project at Hanzal site'. The project details pertaining to Pakal can be properly documented and submitted as the first project for Committee's consideration. Further, while submitting the applications, some information may be provided.</p>
58th Meeting (1-2.06.2012)	<p>- It was noted that both the alternatives are upstream of Pakal Dul- Drangdhuran project which is at FRL 1700 m. The TRT of both the sites will be in the reservoir of Pakal Dul project hence there is no free flowing river stretch between Pakal Dul project and the Bursar project.</p> <p>Recommended scoping clearance and approved draft ToRs with some additional ToRs.</p>

Kirthai HEP

Dist/ State	Kishtwar/ J&K
River/ Basin	Chandrabhaga
Proposal	TOR
Developer	J&K Hydroelectric Power Corp
Height of dam (m)	160
Installed Cap (MW)	250
Area Req (Ha)	290
Forest Land (Ha)	160
Decision	
12th Meeting (17-18.03.2008)	Desired clarification on some points.
14th Meeting (07-08.05.2008)	<p>The proposed TOR was approved by the committee and clearance for reconstruction activity was recommended.</p> <p>- The project authority was requested to incorporate the clarifications in the TOR and resubmit to the Ministry.</p>

Kirthai Stage-II HEP

Dist/ State	Kishtwar District/ Jammu & Kashmir
River/ Basin	Chandrabagha River
Proposal	TOR
Developer	J&K State Power Development Corporation
Installed Capacity (MW)	990 (6 x 165)
Height of dam (m)	165
HRT (km)	4.28
FRL (m)	1764
Catchment Area (sq km)	29,050
Decision	
56th Meeting (30-31.03.2012)	Desired some additional information for appraisal of the project-

Kiru Hydroelectric Project

Dist/ State	J&K
River/ Basin	Chenab
Proposal	TOR
Developer	NHPC
Height of dam (m)	140
Installed Cap (MW)	600 (4x150)
Area Req (Ha)	295
Submergence area (Ha)	194
Forest Land (Ha)	190
Decision	
16th Meeting (16-17.07.2008)	Desired to have some information.
17th Meeting (21-22.08.2008)	Approved the TOR and recommended clearance for pre-construction activities with the condition that winter season data to be included along with other seasons and Kirthai outflow is not matching with inflow of Kiru HEP, this should be studied at the time of preparation of DPR.

Kwar Hydro Electric Project		
Dist/ State	Kishtwar District/ Jammu & Kashmir	
River/ Basin	Chenab	
Proposal	TOR	
Developer	NHPC	
Installed Capacity (mw)	520	
H/ L of Dam (m)	109	
Submergence area (Ha)	192	
Area required (Ha)	326	
	Forest Land	256
	Private Land	65
Decision		
35th Meeting (18-19.02.2010)	- Clearance to this project was granted on 28th February, 2005 under the provisions of EIA Notification, 1994. Recommended clearance for pre-construction activities and approved the TOR with some additional TORs.	

Pakal Dul HEP		
Dist/ State	Doda/ J&k	
River/ Basin	Marusudar river/ Chenab	
Proposal	Env Clearance	
Developer	NHPC	
Height of dam (m)	167	
Installed Cap (MW)	1000 (5x200)	
HRT (km)	14.8	
Catchment area (sq km)	4064.59	
Area Req (Ha)	1163.898	
Forest Land (Ha)	311.042	
Village affected	6	
Decision		
8th Meeting (14-15.11.2007)	Due to involvement of KHANP area the project require clearance from Supreme Court. As such the project authority submitted a proposal to the Standing Committee of National Board for Wildlife (NBWL) which was considered by the standing committee of NBWL at its meeting held on 10th September 2007 and recommended the proposal with some conditions. Decided to discuss the matter further in the next meeting.	
9th Meeting (13-14.12.2007)	Desired that the project authorities may be requested to attend the next meeting and clarify some mentioned issues.	
10th Meeting (16-17.01.2008)	Recommended environmental clearance subject to clearance by Supreme Court.	

Ratle Hydroelectric Power Project		
Dist/ State	Kishtwar/ Jammu & Kashmir	
River/ Basin	Chenab	
Proposal	TOR	
Developer	GVK Technical & Consultancy Services Pvt/ Ratle Hydro Electric Project Pvt. Ltd	
Installed Capacity (MW)	690	
Height of Dam (m)	133	
Catchment area (sq km)	14,209	
Submergence Area (Ha)	203	
Area required (Ha)	567.22	
	Villages affected	240 PAFs
	Forest Land	138.93
Decision		
42 nd Meeting (07.10.2010)	The EAC noted that the project intercepting 14965 km ² is planned in the arid Chenab Basin with two projects Dulhasti (10500 km ²) and Pakaldul (3915 km ²) on the immediate upstream. - A large power drawal of 792 m ³ /sec for feeding 6 units of 115 MW each is proposed, whose dependability needs to be studied. The FR submitted by developer, approved CWC series of Dul Hasti is not included and asked developer to submit the same. - The EAC advised that keeping in view the Muzaffarabad Earthquake in 2005 measuring 7.6 on Richter scale and other recent incidents, dam design should carefully incorporate seismic parameters. - Some inconsistencies were pointed out in Form-1, which need to be corrected and resubmitted. - The committee asked the developer to submit some duly authenticated by Chief Wildlife Warden.	
43 rd Meeting (12-13.11.2010)	Recommended the approval of TOR.	
53 rd Meeting (11-12.11.2011) For revised capacity from 690 to 850 MW	The Agenda item was deferred for next meeting due to paucity of time.	

54 th Meeting (26-27.12.2011)	Through a comparative statement of salient features of the project, it was shown that the main project parameters like FRL, submergence area, dam height etc. have remained unchanged. Numbers of units have reduced from 6 of 115 MW each to 4 units of 205 MW each plus one (1) additional unit of 30MW for releasing environmental flows. Accordingly, number of intakes has been reduced from 6 to 5 and number and diameter of pressure shafts has changed from 6 of 5.5m to 4 of 6.6 m for the main units and 1 of 3m dia. for additional unit. Due to these changes there is a reduction in muck generation from the project. Recommended approval for revision of capacity from 690 MW to 850 MW for the project. It was suggested that a comparison of muck generated and to be disposed off for 690 MW & 850 MW may be submitted to the Ministry.
59 th Meeting (20-21.07.2012) EC	About 4.5 km of National Highway will get submerged and will be relocated to higher elevation. Recommended for the Project with some conditions.

Sawalkote Hydroelectric Power Project

Dist/ State	Ramban District / Jammu & Kashmir	
River/ Basin	Chenab	
Proposal	TOR	
Developer	Jammu & Kashmir State Power Development Corporation Limited	
Installed Cap (MW)	1200 (6x200)	
Height of Dam (m)	197	
Catchment area (sq km)	19,480	
Submergence area (Ha)	900	
Area required (Ha)	1099	
	Persons affected	4400
	Forest Land	600
Decision		
49 th Meeting (29-30.04.2011)	Scope of the project has been changed and the data collected is very old & considerable changes might have occurred during last 5-6 years in the project area therefore, a fresh EIA study covering 3 seasons (pre-monsoon, monsoon and post monsoon) should be conducted. It is not clear how a project with 197 m high dam and a 550 Mm ³ reservoir may qualify to be called a RoR scheme.	
50 th Meeting (02-03.06.2011)	Approved the draft TORs submitted by the PP along with the general conditions.	

New Ganderbal HEP

Dist/ State	Ganderbal/ J&K	
River/ Basin	Sindh	
Proposal	EC	
Developer	J&K Hydroelectric Power Corp	
Height of dam (m)	5.5	
Installed Cap (MW)	93	
Decision		
12 th Meeting (17-18.03.2008) TOR	- Desired clarification/ additional information on some points:	
14 th Meeting (07-08.05.2008)	Approved the TOR and requested the project authority to resubmit the TOR after incorporating all the issues. As the information regarding irrigation aspects of the old Ganderbal Hydroelectric Project was not very clear to the members, the committee suggested that a sub-group of the committee may visit the proposed site sometime in July, 2008. After the site visit, if required, additional TOR will be suggested.	
63 rd Meeting (26-27.12.2012) EC	The Public Hearing conducted on 4 th May 2011 at Prang Village in Ganderbal District of J&K. EC recommended subject to the compliance to the issues raised and suggestions made by EAC.	

Ujh Multipurpose Project

Dist/ State	J&K	
River/ Basin	Ujh/Ravi	
Proposal	TOR	
Developer	Power Development Corporation/ Govt of Jammu & Kashmir	
Irrigation (Ha)	32,000	
Installed Capacity (MW)	280	
Drinking Water Supply	50 Cusecs	
Area required (Ha)	4700	
	Forest Land	470
	Private Land	3050
Decision		
28 th Meeting (28-29. 07.2009)	- The committee informed the project proponent that the irrigation component is missing in the Pre Feasibility Report. The proposal cannot be considered for TOR of only hydroelectric project as for irrigation projects, there are some additional TORs. A detailed information is needed to examine the irrigation stability in the command area. Requested to resubmit the proposal incorporating the irrigation component of the project and water study linkage of hydro power generation with irrigation requirement.	

36th Meeting (22-23.03.2010)	The Committee requested some more information.
43rd meeting (12-13.11.2010)	- A confusion was created in the Committee as to how CWC is responding to the queries raised by the EAC when they are not the project proponent. The project will be implemented by the Civil Investigation Division, Jammu & Kashmir State Power Development Corporation under Govt of Jammu & Kashmir. The meeting was not attended by any representative of the Jammu & Kashmir Govt but by the consultants. Committee refused to discuss the project in the absence of project proponent.

UTTARAKHAND

Alaknanda Hydro Power Project		
Dist/ State	Chamoli/ Uttarakhand	
River/ Basin	Alaknanda/ Ganga	
Proposal	Discussion on Environmental Flow	
Developer	GMR (Badrinath) Hydro Power Generation Pvt. Ltd.	
Installed Capacity (MW)	300	
Height of dam (m)	18	
Area required (Ha)	83.9	
	PAFs	134
	Govt Land	29.858
	Pvt Land	4.394
	Forest Land	49.648
Decision		
19 th Meeting (16-17.01.2008) For Env Clearance	<ul style="list-style-type: none"> - Tailrace water will be discharged just upstream of Vishnuprayag HEP intake. - The project is lying within buffer zone of Nanda Devi Biosphere Reserve. The Valley of flowers is about 12.5 km. away (Aerial distance). - Recommended environment clearance subject to submission of requested information. - After receiving requested information from the project authority, the Ministry may process the case for environmental clearance. 	
54 th Meeting (26-27.12.2011)	<ul style="list-style-type: none"> - The project was accorded environment clearance on 12th March, 2008 however, while according Stage I Forest Clearance on 8th November, 2011 for diversion of 60.513 ha of forest land, a condition was imposed by MoEF that the EAC may examine the Report of IIT Roorkee and recommend minimum environmental flow to be maintained by the project. Accordingly, a presentation was made by GMR on the issue. - The Committee enquired about the recommendations of Cumulative Impact Assessment Study carried out by WII, Dehradun regarding the project. The PP informed that WII had submitted an interim report for only five projects and had not recommended their project as the project is coming in the buffer zone of Nandadevi National Park and was categorized as under high impact zone. The forest clearance was refused based on this recommendation. However, the PP represented against the study and pointed out certain discrepancy in the base line data and scores given to various points, specifically the values arrived for biodiversity. These were reconsidered by FAC and the project was then given forest clearance. - The committee observed that as per the prevailing norms, average flow of four leanest months comes as 6.5 cumec and 20% of the same works out to be 1.3 cumec as against 0.49 cumecs suggested by the PP. - The Committee also noted that the minimum flow recommended by IIT, Roorkee is 3.7 cumec, therefore, insisted that the same may be maintained. - The Committee enquired about the environmental flow during the remaining months i.e. from 11th May to 14th October. The PP insisted that since there are no fisheries in the river, there is no need for a higher environmental flow. The Committee did not agree with the reasoning given by the Proponent and insisted that in view of the religious importance of the river, natural flows of the river need to be mimicked. After a detailed deliberation, a figure of 5.0 cumec was suggested by the EAC which was agreed by the Project Proponent. This will be subject to the final decision taken on the report of IIT, Roorkee by the Ministry. - After detailed deliberation, the Committee recommended that environmental flow of 1 cumec shall be maintained during lean season i.e. from 15th October to 10th May and during 11th May to 14th October, the environmental flow shall be 5 cumec. This will be over and above the spillage that takes place during the monsoon. 	
56 th Meeting (30-31.03.2012)	<ul style="list-style-type: none"> - A representation from SANDRP was received by the Ministry challenging the decision. A copy of the representation was sent to the Proponent for their comments. - It was confirmed that proponent has received the Stage-I Forest Clearance on 8th November, 2011. They submitted that the IIT Roorkee has stated in their report that values given for environmental flows are indicative only and actual value required to be worked out based on site specific requirements. The limitations of the study were also brought out. - GMR pointed out in the presentation that the recommended environmental flow of 1 cumec will be able to fulfill the hydraulic mean depth requirement of greater than 15 cms and also water velocity requirement of greater than 120 cm/sec as per the criteria suggested by IIT Roorkee. Also the area remains covered with snow during winter months. Further there is no environmental flow requirement from the angle of fishery, religious or domestic water consumption. - The submissions made by them were discussed again and it was decided that actual data for cross section, rating curve, velocity & depth, water availability, volume, flow, etc. may be provided to the Committee for its review. The Committee will give its comments after receipt of the data. 	
57 th Meeting (27-28.04.2012)	The agenda item could not be discussed due to paucity of time.	
59 th Meeting (20-	The water requirement for various purposes along with the data like hydrological series, cross section of the river, depth and water	

21.07.2012)	required etc. was once again reviewed by the Committee and the earlier decision taken by the Committee in its 54th meeting held on 26th - 27th December, 2011 was reiterated with the condition that two flushings shall be carried out every month during the monsoon season. During flushing, the entire flood shall be allowed to go downstream for at least 12 hours.
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Bowala Nand Prayag Hydroelectric Project

Dist/ State	Uttarakhand
River/ Basin	Alaknanda/ Ganga
Proposal	TOR
Developer	UVJNL
Installed Cap (MW)	300
Area Req (Ha)	64.069
Decision	
16th Meeting (16-17.07.2008)	<ul style="list-style-type: none"> - This project was accorded site clearance during July, 2003 for generation of 132 MW Hydroelectric Project for investigation and survey for preparation of EIA/EMP report. The project authority prepared the EIA report for 300 MW without changing the physical parameters and submitted to State Pollution Control Board for public hearing. - As the site clearance was accorded for 132 MW only, the State Pollution Control Board wanted a revised clearance letter for 300 MW. As such the project authority submitted the EIA report to the Ministry for checking the adequacy of the EIA report that is if any other parameters to be included in the EIA report or not. - The committee informed the project authority that several members have not received the copy of EIA report which is under consideration. The committee desired that the TORs considered for preparation of the EIA report should be submitted for examination by the Committee.
17th Meeting (21-22.08.2008)	<ul style="list-style-type: none"> - The submitted TORs were examined by the committee and suggested to include some more issues in addition to the proposed TORs. - The committee approved the TORs for revised capacity of 300 MW and suggested to add the requested additional TORs for finalisation of the EIA report. The project authority may go for public hearing after EIA report is revised. Copy of the revised EIA report should be submitted to the Ministry before conducting the public hearing.

Devsari Hydroelectric Power Project

Dist/ State	Chamoli/ Uttarakhand	
River/ Basin	Pindar/ Alaknanda	
Proposal	Env Clearance	
Developer	Satluj Jal Vidyut Nigam Limited	
Installed Capacity (MW)	252	
Height of dam (m)	35	
FRL (m)	EL 1300	
MDDL (m)	EL 1295	
HRT (km)	17.9	
Catchment area (sq km)	1138	
Submergence Area (Ha)	90	
Area required (Ha)	223.36	
	Villages affected	16
	Forest Land	195.255
Decision		
10th Meeting (16-17.01.2008) For TOR	<ul style="list-style-type: none"> - The project planning has been done following the suggestion of the CEA that the originally selected site be changed to a new site to save some places of religious importance from submergence. In the process, while the dam height has been lowered and hence the submergence area has been reduced, the HRT length has increased. - Noted that the letter of the CEA also mentions about a Stage II project on the same river (Pindar), which will use the tail race discharge of Stage I project to feed directly into the HRT of Stage II. The proposal for Stage II project has not been submitted at present and therefore, its HRT length is not known. The important point is that the two projects (Stage I and Stage II) together, will render a very long length of the Pindar tributary deprived of natural flow. - No details of actual water requirement by different sectors (environmental need, human need, cattle need, need to support aquatic vegetation and other lives such as fish, etc.) are given. - The TORs and Form 1 to be updated and resubmitted for further consideration. 	
12th Meeting (17-18.03.2008) For TOR	<ul style="list-style-type: none"> - The revised document submitted by the project authority was considered by the Committee. - However, the committee expressed concerns on some issues. - Revised report incorporating the requested suggestions/ observations to be submitted to the Ministry. After receipt of the revised report Ministry may process the proposal for clearance for pre-construction activity and TOR. 	
49th Meeting (29-30.04.2011)	<p>Many representations against the Project have been received by the Ministry from the Matu Peoples' Organisation who has been demanding a fresh Public Hearing. As per this organization, many people from the affected villages were not allowed to speak during the Public Hearing held on 20.01.2011. The EIA/EMP report was not made available in Hindi to the affected villages and the Public Hearing should be held at several places in consultation with the people so that affected population of the area can be a part of public hearing.</p> <p>To address this issue, DM of the area who chaired the Public Hearing and Member Secretary, SPCB were asked to attend the meeting. Shri Ashish Bhatgerin, ADM Chamoli and P.K. Joshi, RO SPCB, Dehradun and Amit Pokhriyal, JE, SPCB informed the Committee that 13 people had put their views from the dias and announcements for calling other people were made from time to time, but the crowd was making too much noise and no one came to dias. People who were against the project were also allowed to speak which can be verified from video</p>	

	<p>recording. These were minuted also. The minutes of the meeting sent to MoEF shows all opposition and support in a mix manner. Earlier, in one Public Hearing on 13.10.2009 was to be called off due to uncivilized behavior of mob and situation was out of control as mob broke chairs, TV, Projectors and Set fire in Pandal and also destroyed official documents. Second time on 22.7.2010 the entire mob to control of stage and forced local administrator to stop public hearing. Seeing the past experience/behaviours of local people, administrator took all necessary and precautionary measures for smooth conduction of public hearing.</p> <p>Regarding Procedure, the EIA/EMP in Hindi was also duly provided and all procedures for conducting public hearing were followed as laid down in EIA Notification.</p> <p>The Committee observed that in the Videographies of two Public Hearings, including the latest, there was an agitation against the Project by a large number of people. In the opinion of ADM also, there is an opposition of the people which may be from outside or from the affected area. Therefore, the Ministry may take a final decision on holding the public hearing again.</p> <p>The Project shall be reconsidered after receipt of the requested information.</p>
53rd Meeting (11-12.11.2011)	<p>The Agenda item was deferred for next meeting due to paucity of time.</p> <p>It was decided that comments/ objections received from Matu Organisation and Chamoli Hydro Power may be passed on to the Project Proponent and replies to these shall be considered in the next meeting.</p>
54th Meeting (26-27.12.2011)	<p>The Committee discussed the issue of submergence of Debal Small Hydro Power due to the project for which representations were received from Shri Sadasiva Reddy, Director, Chamoli Hydro Power Private Limited. It was informed that Govt of Uttarakhand has constituted a committee comprising of SJVN, Chamoli Hydropower Ltd. and a representative of State Govt to resolve the issue. A inspection of the Committee revealed that the allocated levels as per DPR of Dewal SHEP have been violated during construction. The issue is being negotiated and shall be settled mutually. A copy of the signed minutes by Shri Reddy and officials of SJVN was provided to the Committee.</p> <p>The various representations received by Matu Peoples Organization were passed on to the project proponents for point wise reply. The same was discussed by the Committee. It was mentioned that the same issues were raised by the Organisation earlier also and the Ministry had invited the State Govt Officials in the last meeting. In the last meeting, it was decided that Ministry may take a final decision on holding the public hearing again. The Ministry had received a few representations in favour of the project and it was decided that all representations received, both for and against of the project may be placed before the EAC as per the existing procedure. Noted that the main issues raised by Matu Organisation are regarding studies to be completed, testing work of the power house area to be undertaken and conducting a fresh public hearing. It was noted by the Committee that field studies, the depth and flow requirements for fisheries, minimum flow study for sustenance of downstream aquatic life have been carried out. Testing and Exploration works required for DPR have already been completed and the DPR is now submitted for approval at CEA/CWC for TEC. Additional testing, if any, shall be undertaken for detailed designing purposes for construction stage. Regarding fresh public hearing, it was decided by the Ministry that officials of Uttarakhand who were invited in the last meeting have already informed that all procedures as per the EIA Notification, 2006 were followed.</p> <p>Recommended environmental clearance for the project subject to some conditions.</p>

Jelam Tamak Hydro Electric Project

Dist/ State	Chamoli/ Uttarakhand
River/ Basin	Dhauliganga
Proposal	Capacity revision from 60 MW to 128 MW
Clearance Proposal	TOR
Developer	THDC India Limited
Installed Cap (MW)	128
Height of dam (m)	28
HRT (km)	6.2
FRL (m)	EL 2648.50
MDDL (m)	EL. 2639
Catchment Area (Sq km)	1652
Submergence Area (Ha)	37.92
Area required (Ha)	96.27
Decision	
48th Meeting (26.3.2011)	The Committee felt that the justification for capacity increase from 60 to 128 MW has been established on account of increased water availability. The Committee therefore, recommended the change in the TOR with some additions.
52 nd Meeting (16-17.09.2011) Request for Change in TORs Conditions	The Committee discussed these alternatives at length but was not satisfied with the reasoning given by THDC. It was decided that THDC may provide requested information. The request shall be reviewed after submission of the requested information.
53rd Meeting (11-12.11.2011)	The Agenda item was deferred for next meeting due to paucity of time.
54th Meeting (26-27.12.2011)	The Committee felt that the environmental condition cannot be relaxed for the financial viability. The proponent has a choice of continuing with the original TORs for 60 MW. For increasing the installed capacity to 128 MW, the dam specification and axis has been changed which almost becomes a new project. The Committee decided that to accommodate the present power project, a cumulative optimization of power potential of the three projects i.e. upstream project of Malari Jhelam of 114 MW and downstream 252 MW Tamak Lata projects is needed. It was noted that the upstream project is allotted to THDC itself and the downstream is allotted to UJVNL. THDC and UJVNL may carry out optimization study for all three projects and work out the environmentally viable solution. It was decided that THDC may come back after carrying out the power optimization study keeping in view the environmental conditions.

57th Meeting (27-28.04.2012)	Committee agreed to relax the norm of 1km free flowing distance and agreed for the requested configuration for three projects having 1km free riverine stretch between Malari-Jelam and Jelam-Tamak HEP, 200 m between Jelam-Tamak and Tamak-Lata HEP and 2.5 km between Tamak-Lata and Lata-Tapovan HEP as it provides the optimized Techno-Economic and Environmentally Viable Solution. However a higher environmental release may be required which the developer must analyse.
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Kotlibhel- I B HEP

Dist/ State	Uttarakhand
River/ Basin	Alaknanda
Proposal	Env Clearance
Developer	NHPC
Height of dam (m)	70.5
Ins Cap (MW)	320 (4x80)
Area Req (Ha)	550.619
Forest Land (Ha)	496.193
Village affected	27 (1521 PAFs)
Decision	
53 rd Meeting (21-22.03.2007)	Recommended environmental clearance with the condition that CAT plan to be revised, so that the treatment work may be completed before filling up the reservoir and as per EIA notification PH in other district to be conducted
4 th Meeting (18-19.07.2007)	Recommended environmental clearance to the project.

Kotlibhel-Stage II HEP

Dist/ State	Tehri Garhwal/ Uttarakhand
River/ Basin	Ganga
Proposal	Env Clearance
Developer	NHPC
Height of dam (m)	58.6
Area Req (Ha)	676.071
Forest Land (Ha)	653.32
Village affected	17 (1068 PAFs)
Decision	
4 th Meeting (18-19.07.2007)	With some observations the committee recommended environmental clearance to the project.

Nand Prayag Langasu Hydro Electric Project

Dist/ State	Chamoli District/ Uttarakhand	
River/ Basin	Alaknanda/ Ganga	
Proposal	TOR	
Developer	UJVNL	
Height of dam (m)	22	
Installed capacity (MW)	100 (4x25)	
Area required (Ha)	79.8177	
	Forest Land	31.828
	Private Land	11.57
Decision		
41 st Meeting (24-25.09.2010)	Approved the TOR with some additional TORs and recommended clearance for pre-construction activities.	

Phata Byung HEP

Dist/ State	Rudraprayag district / Uttarakhand	
River/ Basin	Mandakini/ Ganga	
Proposal	Env Clearance	
Developer	Lanco Infrastructure	
Height of dam (m)	26	
Installed Cap (MW)	76	
HRT (km)	9.38	
Area required (Ha)	22.72	
Forest Area (Ha)	16.37	
Submergence Area (Ha)	4	
Decision		
10 th Meeting (16-17.01.2008)	- The average distance of the tunnel is approximate 2 km from the boundary of the Kedarnath Wildlife Sanctuary and comes close to the boundary only at the points of construction of dam site and power house. The committee also noted that Mahaser fish is already vanished from the river Mandakini and if proper management plan is not implemented, other species of fish may also find it difficult to continue in the river. Recommended environment clearance subject to submission of the requested information for correction of the report.	

Rambara Hydro Electric Project	
Dist/ State	Rudraprayag/ Uttarakhand
River/ Basin	Mandakini
Proposal	TOR
Developer	Lanco Hydro Energy Pvt. Ltd
Height of dam (m)	28
Installed Cap (MW)	76
Area Req (Ha)	17.78
Forest Land (Ha)	1.05 (submergence alone)
Decision	
19th Meeting (15-16.10.2008)	- "The whole project is located within Kedarnath Musk Deer Sanctuary." As the project area is within Kedarnath Wildlife Sanctuary, the area needs to be cleared by the Supreme Court. The developer had earlier submitted the case in Supreme Court for the clearance during which Central Empowered Committee (CEC) had asked for the recommendations from the State Wildlife Committee (SWC). SWC had sought recommendations from Wadia Institute of Himalayan Geology & Wildlife Institute of India. Both organisations made their recommendations to go ahead the project. - As clearance from Supreme Court for de-reservation of sanctuary area is awaited, the committee could not recommend the project for clearance for pre-construction activity in the proposed site. However, in addition some additional TORs were suggested.

Singoli Batwari	
Dist/ State	Rudraprayag/Uttarakhand
River/ Basin	Mandakini
Proposal	Env Clearance
Developer	L&T
Height of dam (m)	22
Installed Cap (MW)	99
Catchment area (sq km)	963.2
Submergence area (Ha)	7.9
Area required (Ha)	43
PAFs	112
Decision	
4th Meeting (18-19.07.2007)	The Kedarnath musk deer sanctuary is about 9 km away from the barrage site. Recommended environmental clearance with the condition that revised CAT plan should be submitted and monitoring of biodiversity conservation – species composition of flora and fauna in the project area should be done in every year.

Tamak Lata Hydro Electric Project	
Dist/ State	Chamoli/ Uttarakhand
River/ Basin	Dhauliganga/ Ganga
Proposal	TOR
Developer	Uttarakhand Jal Vidyut Nigam Ltd
Installed Cap (MW)	280
Height of dam (m)	10
Area required (Ha)	77.26
	Forest Land 7
Decision	
46th Meeting (21-22.01.2011)	Pointed out the lacunae of the documents and desired clarification. .

Bhilingana Project (Reappraisal)	
Dist/ State	Tehri Garhwal/ Uttarakhand
River/ Basin	Bhilingana
Proposal	Env clearance - Reappraisal
Developer	Swasti Power Ltd
Installed Capacity (MW)	22.5
Decision	
50th Meeting (02-03.06.2011)	The Project Proponent did not attend the meeting hence deferred for the next meeting.
51st Meeting (15-16.07.2011)	Committee felt that since the project has already been commissioned two years back, the orders of High Court for reappraising the project now seems little ambiguous. The Committee desired to know whether the fact that the project is already been commissioned was brought to the notice of the Hon'ble Court by the Proponent. Mr. Singh could not provide the information with certainty. Since it is a commissioned project, a site visit may be undertaken to monitor the implementation of Environmental clearance conditions and management of muck along with the efforts to protect aquatic flora and fauna. Before undertaking the site visit,

	the proponent may submit the following information to the members visiting the site - (i) Shri G.L. Bansal, (ii) Dr. Maitryee Choudhary and (iii) Ms. Sanchita Jindal
54th Meeting (26-27.12.2011)	<p>The High Court of Uttarakhand at Nainital in WP 280 of 2005 by Uttarakhand Mahila Manch v/s State of Uttarakhand regarding Bhilangana Hydro Power Project in Tehri Garhwal, Uttarakhand in its order dated 25th February, 2011 had directed the Ministry of Environment and Forests (MoEF) to carry out a fresh appraisal of the Project and bring the same to the consideration of the Court in three months from the date of the order. The project was considered in the 51st meeting of EAC held in July 2011. Since the project got commissioned in 2009, EAC decided to undertake a site visit to monitor the implementation of environmental clearance conditions and management of muck along with efforts to protect aquatic flora and fauna. Accordingly, a site visit was undertaken by three EAC members on 14th -15th November 2011. The report of the site visit was sent to all EAC members in advance for review. The following salient points and the recommendations of the site visit report were presented by Ms Sanchita Jindal. The report and its recommendations were accepted by the Committee.</p> <p>- Since it is already a commissioned project, reappraisal will mean only putting additional environmental conditions, if any and regularizing the EC for 22.5 MW. The EIA/EMP report so prepared for the project may be submitted to the MoEF. The same may be discussed by the EAC and some additional conditions may be imposed while validating EC for 22.5 MW?</p> <p>Recommended the regularization of environmental clearance issued on 23rd June, 2004 for 22.5 MW capacity with some more conditions in addition to that recommended by the Site Visit Committee.</p>

Bogudiyar-Sirkari Bhyol HEP

Dist/ State	Pithoragarh/ Uttarakhand
River/ Basin	Goriganga
Proposal	TOR
Developer	GVK Ltd
Installed Capacity (MW)	170
Height of dam (m)	98
Submergence area (Ha)	19.43
Area required (Ha)	75
Forest Land	5.3
Decision	
24th Meeting (19-20.03.2009)	Advised to ensure receipt of the document by all the members so that the proposal may be considered in the next meeting.
26th Meeting (14.05.2009)	Decided to accept the request of the project authority to use the baseline data so collected and also recommended the clearance for pre-construction activities and approved the TORs with some additional TORs.

Mapang-Bogudiyar HEP

Dist/ State	Pithoragarh District of Uttarakhand
River/ Basin	Goriganga
Proposal	TOR
Developer	GVK Ltd
Installed Capacity (MW)	200
Submergence area (Ha)	24.2
Area required (Ha)	70
Forest Land	5.3
Decision	
24th Meeting (19-20.03.2009)	Proposal was deferred as some of the members of the EAC did not receive the copy of documents.
26th Meeting (14.05.2009)	Decided to accept the request of the project authority to use the baseline data so collected and also recommended the clearance for pre-construction activities and approved the TORs with some additional TORs.

Rupsiabagar Khasiabara HEP

Dist/ State	Pithoragarh Distt., Uttarakhand
River/ Basin	Goriganga
Proposal	Env Clearance
Developer	NTPC
Installed Capacity (MW)	260 (2x130 MW)
Height of dam (m)	62
Total area Required (Ha)	32
Submergence Area (Ha)	4.5
	Villages affected 16
Decision	
17th meeting 21-22.08.2008)	- Public hearing of the project was held on 11.06.2008. Committee suggested some issues, which may be clarified for further consideration by the committee.
20th Meeting (20-21.11.2008)	- Noted that on Goriganga river a total of six projects are coming up in the upstream and downstream of NTPC's project. - The immediate upstream project is Sirkari Bhyol-Rupsiabagar HEP (210 MW). The catchment area of this project has been shown as 1160 km ² and permanent ice cap 346 km ² , snow bound area is 758 km ² . Whereas for the lower site (i.e. NTPC's

	<p>project) the catchment area is shown as 1120 km², which is anomalous.</p> <ul style="list-style-type: none"> - As the upstream project has a design flood of 3681 cumec, the lower site is shown to have a spill way capacity only 2930 cumec which is irrational. - EIA report shows 3 units of 87 MW = 261 MW, whereas the compliance report shows the installed capacity as 2x130 MW. This needs to be classified. - The committee also noted that a large river stretch of almost 20 km of Goriganga becomes devoid of any flow. - The break up of forest land, which will be required for the project shows township also to be built on forest land. This is not acceptable, township should not be on forest land. As such forest land requirement should be reduced. - Necessary clarifications may be furnished to the Committee.
23rd Meeting (16-17.02.2009)	Recommended environmental clearance to the project.

Sirkari Bhyol Rupsiabagar Hydroelectric Project

Dist/ State	Pithoragarh/ Uttarakhand	
River/ Basin	Kali (Sarda)	
Proposal	TOR	
Developer	Uttarakhand Jal Vidyut Nigam Ltd	
Installed Cap (MW)	210	
Decision		
19th Meeting (15-16.10.2008)	Project authority did not attend the meeting neither circulated the documents to the members.	
20TH Meeting 20-21.11.2008)	the committee desired to have some more information:	
28th Meeting (28-29.07.2009)	<p>- Noted that this project was considered on 20th November, 2008. The committee desired clarification and additional information on certain environmental issues. As no reply was received till June, 2009 the file was closed. The requisite information was received during July, 2009 and the file was reopened. The clarification submitted by the proponent was considered by the EAC and discussed at length.</p> <p>Noted that compliance does not explicitly indicate the clear distance between the four projects starting from (a) Mapang-Bogudhyar through (b) Bogiduyar Sirkaribhyol, (c) Sarkari Bhyol Rupsiabagar and (d) Rupsiabagar Khasiabara. It is obvious that the entire Goriganga stretch in between will have no naturally flowing water. The EIA has to comprehensively study the fish migration issue from (a) to (d) particularly for Mahaseer and snow trout.</p> <p>Recommended clearance for pre construction activities and approved the TOR with the additional items as suggested.</p>	

Jamrani Dam Multipurpose Project

Dist/ State	Nainital/ Uttarakhand	
River/ Basin	Gola	
Proposal	Env Clearance	
Developer	Govt of Uttarakhand	
Command area (Ha)	1,50,302 (CCA of Bhabhar is 12541 ha, CCA of Tarai is 20290 ha and CCA of gangetic region is 117471 ha)	
Area required (Ha)	529.57	
	Forest Land	430.64
	Private Land	98.93
Decision		
21st Meeting (15-16.12.2008)	The project authority did not attend the meeting neither circulated the EIA/ EMP reports to the members of the committee.	
22nd Meeting (22.01.2009)	Desired some more information for further consideration.	
33rd Meeting (15-16.12.2009)	Desired some more information.	
35th Meeting (18-19.02.2010)	<ul style="list-style-type: none"> - Technical sanction of the proposed multipurpose Jamrani dam project in district Nainital, Uttarakhand originally given by Planning Commission, Govt of India in the year 1975. - Under the first phase of the project construction of Gola Barrage at Kathgodam, modernisation of canals, construction of feeder channels completed up to year 1981. <p>TOR for this project was issued on 23rd April, 2007. EAC recommended environmental clearance subject to furnishing some information to the Ministry for record.</p>	

Arakot Tiuni HEP

Dist/ State	Dehradun/ Uttarakhand	
River/ Basin	Pabbar, Tons/ Yamuna	
Proposal	TOR	
Developer	UJVNL	
Installed Cap (MW)	81	
HRT (km)	10.5	
Catchment area (sq km)	1343	
Area required (Ha)	38	
	Forest Land	31
Decision		
23rd Meeting (16-17.02.2009)	- Noted that site clearance under EIA Notification 1994 was accorded to this project on 7.3.2005 by the Ministry for generation	

	of 72 MW. However, as they could not complete the EIA report preparation, they have submitted the proposal again as the new EIA Notification 2006 has superseded the 1994 Notification. - As all the members of the committee have not received the documents, the project authority was requested to ensure that all the members received the copy and attend the next meeting.
29th Meeting (19.08.2009)	The project proponent did not attend the meeting neither sent the copy of their reply to all the members.
30th Meeting (14.09.2009)	The committee was of the opinion that the project in its present form is not environment friendly for some reasons and therefore not acceptable for giving a scoping clearance.
46 th Meeting (21-22.01.2011)	Recommended clearance for pre construction activities and approved the TOR with observation.

Hanol -Tiuni HEP

Dist/ State	Uttarakhand
River/ Basin	Tons
Proposal	Env Clearance
Developer	Sunflag Power Ltd
Height of dam (m)	12
Installed Cap (MW)	60
HRT (km)	7.5
Area Req (Ha)	48.982
Forest Land (Ha)	36.614
Village affected	5 (60 PAFs)
Decision	
9th Meeting (14.12.2007)	Desired to have some more information.
14th Meeting (07-08.05.2008)	Satisfied with the clarification and recommended for environmental clearance.

Jakhol Sankhri HEP (fig under bracket is existing fig)

Dist/ State	Uttarkashi/ Uttarakhand
River/ Basin	Supin
Proposal	TOR/Increase in capacity
Developer	Satluj Jal Vidyut Nigam Ltd
Height of dam (m)	14
Installed capacity (MW)	51 (45)
HRT (km)	6.5
Catchment area *sq km)	30000
Area required (Ha)	38.18 (24)
	PAFs
	90 (20)
Decision	
8th Meeting (14-15.11.2007) for TOR	- Noted that though the Jakol Sankhri HEP Project's capacity is below 50 MW and it is falling under 'A' category project as Govind Pashu Vihar Sanctuary is in the vicinity of the project. - The issues raised in member's comment on PFR & Form 1 should be attended. The project authority shall submit the revised Form.-1 and TOR incorporating all the suggestions mentioned above along with the comment of Chief wildlife warden.
27th Meeting (15-16.06.2009)	The file was closed on 30th January, 2009 as no response was received from the project authority. The project authority submitted the additional information/ clarification during March, 2009 and the comments of Chief Wildlife Warden were received on 3rd June, 2009. Noted that along with other information the Committee had desired comment of Chief Wildlife Warden regarding impact of the project on the Gobind Pashu Vihar Sanctuary which is falling in the vicinity of the proposed project. - Noted that the boundary of the Pashu Vihar is about 400 m away from the project. For investigation and survey the project authority has to enter about 10 kilometer inside the sanctuary area. The project authority has to keep in mind the order of Supreme Court in Writ Petition (C) No.460 of 2004 and accordingly may check with Wildlife Wing of the Ministry if any clearance under Wildlife (Protection) Act, 1972 is required or not. Approved the TOR and recommended clearance for pre-construction activities.
43rd Meeting (12-13.11.2010)	Noted that the letter issued by Shri Srikant Chandola, PCCF, Uttarakhand vide letter No.5019/12-1 dated 29th April, 2009 stated that this office has no objection to investigation of Jakhol Sankhri hydro electric project subject to ensuring that the investigation will be carried out outside the protected area?. One of the members of EAC Dr. Dhananjai Mohan who was DFO of this area intimated that the project area is surrounded by the Wildlife Sanctuary. As per the above mentioned letter of PCCF the project proponent cannot enter the protected area for investigation and survey. As such no data can be collected within the study area of 10 km which is lying in the protected area. The Committee did not agree to issue the TOR for preparation of EIA and EMP report and advised the project proponent to bring the clearance from NBWL at the first instance and thereafter the proposal may be considered for issuing of TOR.

Lakhwar Hydro Electric Project

Dist/ State	Uttarakhand
River/ Basin	Yamuna
Proposal	TOR
Developer	Uttarakhand Jal Vidyut Nigam

Installed capacity (MW)	300
Decision	
43rd Meeting (12-13.11.2010)	<p>Noted that Lakhwar Multipurpose Project is located on river Yamuna at Lohari village of district Dehradun in Uttarakhand. It was part of Lakhwar-Vyasi project comprising 300 MW Lakhwar storage project and 120 MW Vyasi run of river hydro electric project.</p> <ul style="list-style-type: none"> - Initially, environmental clearance was granted to Lakhwar-Vyasi Multipurpose project in 1987 and forest clearance was granted in 1986. Subsequently, the project was bifurcated and the Vyasi hydroelectric project was submitted by NHPC which was granted environmental clearance on 7th September, 2007. - The environmental clearance thereafter was transferred to Uttarakhand Jal Vidyut Nigam Ltd. who is now project proponent of Lakhwar Multipurpose project. The construction of Lakhwar project was stopped in 1992 due to paucity of funds. - Noted that environmental clearance under EIA Notification, 2006 is granted for new projects, as several components of Lakhwar Multipurpose project has already been completed, it may not come under the provisions of said Notification. The Committee desired that Ministry should clarify it. - Based on the discussion the Committee pointed out the many discrepancies and sought clarification.

Mori- Hanol HEP

Dist/ State	Uttarakhand
River/ Basin	Tons/ Yamuna
Proposal	TOR
Height of dam (m)	16
Installed Cap (MW)	63
Catchment area (Sq km)	1257
Area Req (Ha)	45
Decision	
6th Meeting (20.09.2007)	The project authority did not attend the meeting.
9th Meeting (13-14.12.2007)	In addition to the proposed TORs some more TORs were proposed by the committee.

Naitwar Mori HEP

Dist/ State	Uttarkashi/ Uttarakhand				
River/ Basin	Tons				
Proposal	Env Clearance				
Developer	Satluj Jal Vidut Nigam Ltd.				
Installed capacity (MW)	60 (2X30)				
Height of Dam (m)	30.5				
FRL (m)	1267				
MDDL (m)	1261				
HRT (km)	4.33				
Catchment area (sq km)	1514				
Submergence area (Ha)	4.90				
Area required (Ha)	47.05				
	<table border="1" style="width: 100%;"> <tr> <td>Villages affected</td> <td>3 (97 families)</td> </tr> <tr> <td>Forest Land</td> <td>39.88</td> </tr> </table>	Villages affected	3 (97 families)	Forest Land	39.88
Villages affected	3 (97 families)				
Forest Land	39.88				
Decision					
3rd Meeting (22.06.2007) TOR	As per Schedule of the MoEF Notification dated 14.09.2006 the project falls in category-B. However, as per general condition, due to existence of Govind Pasu Wildlife Sanctuary the project is to be considered as category-A project. Proposed TORs. And recommended clearance for pre construction activities with some additional TORs.				
36th Meeting (22-23.03.2010) For capacity addition	- The project proponent SJVNL has decided to enhance the capacity to 60 MW from 43.5 MW and has requested the Ministry to issue necessary instructions to Uttarakhand Pollution Control Board for conducting public hearing for installed capacity of 60 MW. Committee advised the project proponent to submit a fresh proposal.				
38th Meeting (30.06.2010)	Recommended clearance for pre-construction activity and approved the TOR with observation. Ministry may issue the prior environmental clearance after receipt of the revised TOR incorporating the above modifications.				
51st Meeting (15-16.07.2011)	There has been representation from Matu Peoples' Organisation regarding public hearing and environment impacts of the project which needs to be addressed by the Proponent. In the videography of public hearing also, an agitation from a group of people was observed. These were repeatedly been asking for cancellation of public hearing. -The Project proposal shall be reconsidered after submission of requested information.				
53rd Meeting (11-12.11.2011)	The Agenda item was deferred for next meeting due to paucity of time. It was decided that comments/ objections received from Matu Organisation may be passed on to the Project Proponent and replies to these shall be considered in the next meeting.				
54th Meeting (26-27.12.2011)	The representation of Shri Vimal Bhai from Matu Jansanghan was considered by the EAC. The Committee was of the view that the objections raised by Shri Vimal Bhai have no merits. Committee recommended the project for environmental clearance on the following and sme other conditions -				

Tiuni Plasu HEP

Dist/ State	Dehradun/ Uttarakhand
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River/ Basin	Tons
Proposal	TOR
Installed Cap (MW)	66
Decision	
3 rd Meeting (22.06.2007)	As per EIA notification 2006, this project is to be dealt by State Govt. As SEIAA of Uttarakhand has not yet constituted the project has been submitted to MoEF. Earlier, the Ministry did not grant site clearance due to submergence of 14 Ha forest land for a small power project of 42 MW. The committee was the opinion that price level mentioned in the DPR is of 1992, has no relevance today. The TOR should be revised a s well as DPR should be update and resubmitted.
8 th Meeting (14-15.11.2007)	Noted that the capacity of the project is now increased to 66 MW. As such it comes under 'A' category project. The project authority shall submit the revised Form No.-1 and TOR incorporating all the suggestions.
10 th Meeting (16-17.01.08)	Approved the TOR with some observation and recommended clearance for pre-construction activities.

Vyasi HEP

Dist/ State	Dehradun/ Uttarakhand
River/ Basin	Yamuna
Proposal	Env Clearance
Developer	NHPC
Height of dam (m)	86
Ins Cap (MW)	120
Area Req (Ha)	135.425
Forest Land (Ha)	60.549
Decision	
4 th Meeting (18-19.07.2007)	This project is a part of multipurpose Lakhwar-Vyasi project. The construction work on the project was commenced in the year 1987 by the irrigation dept of erstwhile Uttar Pradesh Govt. The environment and forest clearance was granted on 31.10.1986. However, construction work could not proceed beyond 1992 for want of funds. Desired to have some clarifications before the matter is considered further.
5 th Meeting (16.08.2007)	Clarification submitted by NHPC was considered by the committee. Except dam break analysis, other clarifications were found satisfactory. Recommended environmental clearance wit the condition that the assumptions in the dam break study need to be critically examined and the concurrence of CWC should be taken.

UTTAR PRADESH

Badaun Irrigation Scheme

Dist/ State	Bareilly and Badaun/ in U.P
River/ Basin	Ramganga
Proposal	Reconsideration for Env clearance
Developer	Irrigation Department, Govt of Uttar Pradesh
CCA (Ha)	53,054
Area required (Ha)	5053
	Private Land 84+886
Decision	
15 th Meeting (18-19.06.2008)	Desired that the proposed Terms of Reference should be revised in accordance with the comments given in writing by Dr. A.K. Bhattacharya, Dr. D. Paul, Dr. A.R. Yousuf and Central Water Commission. - The proposed TOR may be revised based on the comments given by the experts and resubmitted for further consideration by the committee.
16 th Meeting 16-17.07.2008)	Committee approved the revised TOR.
36 th Meeting (22-23.03.2010)	The Committee requested some more information for further consideration.
38 th Meeting (30.06.2010)	Recommended environmental clearance with some conditions.

Arjun Sahayak Pariyojna Project

Dist/ State	Mahoba/ Uttar Pradesh
River/ Basin	Dhasan/ Yamuna
Proposal	Env Clearance
Developer	Irrigation Construction Circle, Mahoba, Govt of Uttar Pradesh
Submergence area	1558
Area required (Ha)	2891
CCA (Ha)	57000 ha/or 61016 ha
Forest Land	NA
Private Land	2418
Govt Land	446

Village affected	6929 (PAFs)
Decision	
8th Meeting (14-15.11.2007)	Discussion on the project was deferred as members did not receive copy of the proposal.
9th Meeting (13-14.12.2007)	<ul style="list-style-type: none"> - The committee made some observations. - In addition, clarifications on some issues may also be submitted. - A revised TOR incorporating the suggested issues should be submitted to the Committee for its further consideration.
12th Meeting (17-18.03.2008) TOR	- The revised documents were considered by the Committee and requested some more information.
27th Meeting (15-16.06.2009) For Env Clearance	- Noted that the project envisages construction of link channels from Lahchura dam to Kabari dam connecting Arjun and Chandrawal dam. Pointed out some discrepancies in the report.
28th Meeting (28-29.07.2009)	<ul style="list-style-type: none"> - The clarification sought by the committee was considered. On the comment No.2 (IpH, EC etc.) the reply is not satisfactorily. The current levels of EC and pH in many samples are quite close to the permissible limits. It needs to be clarified what specific measures are planned to avoid turning of good lands to bad land due to continued irrigation over many years and the steps proposed by the PA to ensure scientific use of irrigation water. The Committee recommended that requested information to be submitted for further consideration by the EAC.
29th Meeting (19.08.2009)	Recommended environmental clearance to the project.

North East**ARUNACHAL PRADESH**

Amulin Hydro Electric Project	
Dist/ State	Dibang Valley District, Arunachal Pradesh
River/ Basin	Mathun
Clearance Proposal	Reconsideration for TOR
Developer	Amulin Hydro Power Pvt. Ltd
Height of dam (m)	75
Installed capacity (MW)	420
HRT (km)	7
Area required (Ha)	592.46
Decision	
34 th Meeting (19-20.01.2010)	As no comprehensive survey of the area has been done physically the Committee did not agree to approve the TOR. The project proponent was asked to furnish some more information/ clarification and submit for further consideration.
38 th Meeting (30.06.2010)	The Committee recommended clearance for pre-construction activities and approved the TOR with some additional TOR.

Dibang Multipurpose Project	
Dist/ State	Arunachal Pradesh
River/ Basin	Dibang
Proposal	TOR
Developer	NHPC
Installed capacity (MW)	3000
Height of dam (m)	288
Submergence area (Ha)	4009
Area required (Ha)	5827.8
Forest Land (Ha)	3258.5
Decision	
27 th Meeting (15-16.06.2009)	- Site clearance to this project was granted during 2004. - The EIA report of this project has already been prepared and in one district i.e. Lower Dibang public hearing has been completed. However, public hearing in other district namely Dibang Valley could not be undertaken due to public agitation. By this time the extended period for submitting the proposal under EIA Notification, 1994 expired, the project authority was advised by the Ministry to submit the proposal fresh as per the procedure mentioned in the EIA Notification, 2006. Noted that information provided in the existing EIA is adequate. In addition some more information be submitted for further consideration by the committee. - In respect of acceptance of public hearing, which is already held in Lower Dibang district, the committee is of the opinion that fresh public hearing to be conducted as per EIA Notification, 2006.
28 th Meeting (28-29.07.2009)	Recommended clearance for pre-construction activities and TOR with some additional TORs for incorporating in the EIA & EMP report which is already prepared.

Emini Hydro Electric Project	
Dist/ State	Dibang Valley District, Arunachal Pradesh
River/ Basin	Kanji rivulet & Mathun river
Proposal	TOR
Installed capacity (MW)	500
Height of dam (m)	85
Submergence area	171
Area required (Ha)	698
Decision	
40 th Meeting (20-21.08.2010)	Recommended clearance for pre-construction activities and approved the proposed TOR with some additional TORs.

Mihundon HEP	
Dist/ State	Dibang Valley District/ Arunachal Pradesh
River/ Basin	Dri
Proposal	TOR
Developer	Mihundon Hydro Power Limited
Installed Cap (MW)	400 (4x100)
Height of Dam (m)	90

FRL (m)	1670	
Submergence area (Ha)	132	
Area required (Ha)	700.42	
	Forest Land	700.42
Decision		
49th Meeting (29-30.04.2011)	The entire 700.42 ha of land is forest land, however, actual land requirement shall be worked out after the actual survey. Approved the proposed TORs with some additional TORs.	

Sissri HEP		
Dist/ State	Dibang Valley District of Arunachal Pradesh	
River/ Basin	Sissiri	
Proposal	TOR	
Developer	Soma Enterprise Ltd.	
Installed Capacity (MW)	222	
Height of dam (m)	204	
Submergence Area (Ha)	900	
Decision		
23rd Meeting (16-17.02.2009)	Desired clarification and modification on some issues of the submitted documents including proposed TOR.	
24th Meeting (19-20.03.2009)	Approved the TOR and recommended clearance for pre-construction activity.	

Ithun-I HEP		
Dist/ State	Lower Dibang/ Arunachal Pradesh	
River/ Basin	Dibang	
Proposal	TOR	
Developer	JVKIL Consortium Ltd	
Height of dam (m)	25	
Installed Cap (MW)	86	
HRT (km)	5.65	
Catchment area	841 sq km	
Area required (Ha)	76	
Forest Land (Ha)	46	
Decision		
63 rd Meeting (26-27.12.2012)	Recommended scoping clearance for which Some suggested issues are to be addressed in EIA/EMP reports.	

Attunil Hydroelectric Power Project		
Dist/ State	Dibang Valley, Arunachal Pradesh	
River/ Basin	Tangon	
Proposal	TOR	
Developer	Jindal Power Ltd. and Attunli Hydro Electric Power Company Ltd.	
Height of dam (m)	105	
Installed Cap (MW)	500	
HRT (km)	7	
Catchment area (sq km)	2072	
Area required (Ha)	1021	
Submergence Area (Ha)	51	
Decision		
31st Meeting (21-22.10.2009)	The members were informed that the length of Tangon river up to its confluence with Dibang river is 102km and there is one project proposed upstream of Attunli HEP i.e. Mulinye which is being abandoned due to its proximity to Dibang Wildlife Sanctuary. Requested the project developer to submit the required drawings and replies to the queries received from different members for further consideration by the committee. The representation sent by Shri Raju Mimi in respect of Etalin and Attunli project was considered by the EAC. Noted that issues mentioned in the representation are mainly about Dibang HEP, which is about 45 km downstream of the proposed project.	
32 nd Meeting (16.11.2009)	- Some additional issues were suggested by the Committee for incorporation in the proposed TOR -The proponent was requested to furnish the revised copy of the TOR incorporating the above points to the Ministry.	

Emra - II Hydro Electric Project		
Dist/ State	Dibang District, Arunachal Pradesh	
River/ Basin	Emra river/ Dibang river	
Proposal	TOR	
Developer	Athena Emra Power Pvt. Ltd	
Height of dam (m)	NA	

Area required (Ha)	1125
Decision	
34th Meeting (19-20.01.2010)	The Committee suggested that the TOR given for Basin Study for Lohit Basin should be followed in this case also. The proponent may come back after the study and with a fresh TOR.

Etalin Hydro Electric Project

Dist/ State	Dibang Valley, Arunachal Pradesh
River/ Basin	Dibang River & Tangon River
Proposal	TOR
Developer	Jindal Power Ltd. and Etalin Hydro Electric Power Company Ltd..
Height of dam (m)	Dri Limb (90), Tangon Limb (150)
Installed Cap (MW)	4000 (2500+1500)
HRT (km)	9.7 & 9.9 (Dri Limb) & 12 & 12.5 (Tangon Limb)
Catchment area Sq km	4345 & 2500
Area required (Ha)	2222
Submergence Area (Ha)	202
PAF	5 Houses
Decision	
31st Meeting (21-22.10.2009)	The members raised concerns about the non-readability of Plates given in PFR as it was difficult to find the distance between the FRLs and TRTs of different proposed upstream and downstream projects. The developer was asked to submit clear drawing. Requested the project developer to submit replies to the queries received from different members. The representation sent by Shri Raju Mimi in respect of Etalin and Attunli project was considered by the EAC. Noted that issues mentioned in the representation are mainly about Dibang HEP, which is about 45 km downstream of the proposed project.
32 nd Meeting (16.11.2009)	- Some additional issues were suggested by the Committee for incorporation in the proposed TOR - The proponent was requested to furnish the revised copy of the TOR.
63 rd Meeting (26-27.12.2012) Change in Capacity from 4000 MW to 3097 MW	Scoping clearance was accorded to Etalin HE project on 30.11.2009 for 4000 MW installed capacity. The project proponent submitted that draft EIA/EMP report has already been prepared after completing data collection for all the three seasons as per TOR prescribed by MOEF. Now the project has been presented for reduced capacity with changed configuration.

Dibbin HEP

Dist/ State	West Kameng/ Arunachal Pradesh
River/ Basin	Bichom
Proposal	Env Clearance
Developer	KSK Dibbin Hydro Power Private Limited
Installed Cap (MW)	130
Height of dam (m)	92
FSL (m)	1220
MDDL (m)	1218
Catchment area (sq km)	630
Area required (Ha)	162
Decision	
10 th Meeting (16.01.2008) TOR	Suggested to include the Dam break analysis and Disaster Management plan. After the field visit, the committee may propose additional TOR.
47th Meeting (26.02.2011)	The EAC shall review the documents submitted by the Project Proponent and take a decision in the next meeting.
48th Meeting (26.3.2011)	Recommended that after 5 years of operation, the PP should carry out a study to examine the environmental impacts of the Project post commencing through an independent institution and a report of the same may be submitted to the Ministry. Recommended environment clearance for the Project with some comments.

Badao Hydro Electric Project

Dist/ State	East Kameng District / Arunachal Pradesh
River/ Basin	Kameng
Proposal	TOR
Developer	Coastal Projects Pvt. Ltd
Height of dam (m)	65.85
Installed capacity (MW)	70 (2x35)
HRT (km)	3.415
Submergence area (Ha)	10
Area required (Ha)	37.82
Decision	
42nd Meeting (07.10.2010)	Approved the proposed TOR with some additional TORs and recommended clearance for pre-construction activities.

Dinchang Hydro Electric Project	
Dist/ State	West Kameng District/ Arunachal Pradesh
River/ Basin	Digo/ Brahmaputra
Proposal	Exp from 90 MW to 360 MW
Clearance Proposal	TOR
Developer	KSK Energy Ventures Ltd
Installed Cap (MW)	360 (3x120)
Ht/ L of Dam (m)	69
Area required (Ha)	82.13
Decision	
46 th Meeting (21-22.01.2011)	The EAC made it clear that the minimum release from the dam in the lean season shall be 20% of the average flow in four consecutive leanest months in the 90% dependable year. A table shall be given in the EIA showing the water balance on a 10 daily basis for the 90% dependable year. Of the eight Alternatives studied, Alternative -7 involving a HRT of 13.7 km utilizing a drop of 330.46 m (net) has been selected. It is stated that the immediate upstream project Khuitam has its power house with TWL of 1160 m. Dinchang project is planned with FRL of 1160 m there by leaving no riverine stretch free between the two projects. This being highly un-favorable to aquatic environment. It is considered that Alternative-6 is more preferred proposal with FRL lowered to 1120-1130 m resulting in 2.0 km of free riverine reach. Some more clarification may be submitted for further consideration by the EAC.
47 th Meeting (26.02.2011)	Regarding the concern of the EAC for increasing the capacity from 90 MW to 360 MW, the Proponent submitted that the installed capacity does get revised during the process of detailed studies and gets finalized only during the TAC Meeting of CEA. Decided that TORs may be issued subject to the above conditions.

Gongri Hydro Electric Project	
Dist/ State	West Kameng District / Arunachal Pradesh
River/ Basin	Gongri
Proposal	Revision of Capacity after Env clearance
Developer	Dirang Energy Pvt. Ltd.
Installed capacity (MW)	144
Height of Dam (m)	17.5
FRL (m)	1457.5
HRT (km)	7.34
Catchment area (sq km)	1039
Area required (Ha)	48.818
Decision	
10th meeting (16.01.2008) For TOR (130 MW)	The committee decided to depute a sub group of the committee to the proposed site for on the spot examination. After the field visit, if the committee desires, it may further propose additional TOR.
13th Meeting (12.04.2008)	Approved the TOR with some modifications. Recommended clearance for pre-construction activity also.
14th Meeting (07-08.05.2008)	It was learnt that the project was allotted for 90 MW only. As such Shri Aggarwal, Vice President of the company, who attended the meeting was requested to confirm the exact capacity for which the project is allotted by the State Govt as it is not mentioned in the MOU. He confirmed that the Gongri HEP was allotted for generating 90 MW, however negotiations are going on with the State Govt for increasing the capacity.
31 st Meeting (21-22.10.2009) EC	The EAC discussed the issue and additional information/ clarifications were sought.
33rd Meeting 15-16.12.2009)	Recommended environmental clearance with some observations.
52nd Meeting (16-17.09.2011) Revision of Capacity after EC	Desired some additional information:
59 th Meeting (20-21.07.2012)	The Committee desired to know whether the hydrological series considered in the 144 MW capacity is same with that considered during the earlier EC for 90 MW capacity. The PP confirmed that it is the same series recommended by CWC. Recommended environmental clearance for the revised installed capacity of 144 MW with some additional conditions.

Jameri Hydro Electric Project	
Dist/ State	West Kameng District/ Arunachal Pradesh
River/ Basin	Tenga
Proposal	TOR
Developer	KSK Jameri Hydro Power Pvt. Ltd
Height of dam (m)	90
Installed capacity (MW)	90 (2x45)
HRT (km)	4.5
Submergence area (Ha)	115
Area required (Ha)	130 (all forest land)
Decision	
41st Meeting (24-	The committee was satisfied regarding the feasibility of enhancement of capacity to 90 MW. However for the present, approval of TOR

25.09.2010)	can only be given for 50MW. For the enhanced capacity of 90MW, the developer is required to submit a letter from the Govt of Arunachal Pradesh, which shall be considered by the Ministry once this letter is obtained from GoAP.
62 nd Meeting (23-24.11.2012)	Recommended for extension of validity for 1 year i.e. up-to 31.10.2013 and also noted the change in name. However, in case of shifting of the powerhouse, the project proponent shall approach the MOEF afresh with details so as to ascertain whether this will entail scope change thereby requiring revised TOR.

Khuitam Hydro Electric Project

Dist/ State	West Kameng District, Arunachal Pradesh	
River/ Basin	Gang river/ Bichom	
Proposal	Env Clearance	
Developer	Adishankar Power Pvt. Ltd	
Height of dam (m)	(18) 19	
Installed Capacity (MW)	(29) 66	
HRT (km)	3	
Sumergence area (Ha)	(33) 6.32	
Area required (Ha)	(140) 49.14	
Decision		
19th Meeting (15-16.10.2008) TOR	- This is a 'B' category project as per EIA Notification, 2006. Though the SEIAA committee has been constituted however it is not functioning, as such the proposal has been submitted to the Central Govt for consideration. Recommended clearance for pre-construction activities and approved the proposed TORs with some additional TORs.	
32 nd Meeting (16.11.2009) Change of Capacity 29 to 66	- As the earlier site has been shifted and design parameter is also changed, the proposal cannot be considered simply as enhancement of capacity of earlier proposal. The proponent was advised to submit fresh proposal for scoping for the generation of 66 MW. The Committee desired that information be furnished for evaluation of the proposal.	
33rd Meeting (15-16.12.2009)	Recommended clearance for pre-construction activities and approved the TOR.	
45th Meeting (20-21.12.2010) EC	Recommended the project for the grant of environmental clearance subject to some conditions.	

Nafra Hydroelectric Project

Dist/ State	West Kameng District/ Arunachal Pradesh	
River/ Basin	Bichom	
Earlier proposal	Env Clearance	
Proposal	Revision of capacity after env clearance	
Developer	SEW Nafra Power Corporation Ltd	
Installed Capacity (MW)	(96) 120	
Height of Dam (m)	53	
Submergence Area (Ha)	NA	
Area required (Ha)	(64) 78.45	78.45
	Forest Land	
Decision		
18 th Meeting (21-22.08.2008) TOR	Desired clarification on some points. Suggested more TORs and recommended clearance for pre-construction activities.	
39 th Meeting (17.07.2010)	Desired some more information.	
41 st Meeting (24-25.09.2010)	Recommended environmental clearance to the project.	
54 th Meeting (26-27.12.2011)	Recommended the increase in capacity to 120MW subject to the condition of revised environment flow. Use and propagation of endemic species as recommended.	

Pachuk-I HEP

Dist/ State	Kameng/ Arunachal Pradesh	
River/ Basin	Pachuk River	
Proposal	TOR	
Developer	Energy Development Company Ltd	
Installed Capacity (MW)	84	
Height of Dam	8.3	
FRL (m)	EL 630	
Area required (Ha)	39.2548	
Decision		
51st Meeting (15-16.07.2011)	The Proposal shall be reconsidered after the submission of the requested information.	
54th Meeting (26-27.12.2011)	Recommended scoping clearance with the prevailing norms for environmental flow and muck disposal sites.	

Pachuk-II HEP

Dist/ State	Kameng/ Arunachal Pradesh	
River/ Basin	Pachuk River	
Proposal	TOR	

Developer	Energy Development Company Ltd
Installed Capacity (MW)	60
Decision	
51st Meeting (15-16.07.2011)	The Project proposal was not discussed as the Committee felt that the discharge and yield would be needed to be corrected for this project also as it is up stream of the Pachuk- I. The proposal shall be considered along with the Pachuk I after the approved series from CWC is submitted by the Proponent and revised water yield and discharge data is submitted.
54th Meeting (26-27.12.2011)	Recommended scoping clearance with the prevailing norms for environmental flow and muck disposal sites.

Para Hydro Electric Project

Dist/ State	East Kameng District, Arunachal Pradesh	
River/ Basin	Para/ Kameng	
Proposal	TOR	
Developer	Coastal Projects Pvt. Ltd	
Height of dam (m)	44	
Installed capacity (MW)	55 (2x27.5)	
Submergence area (Ha)	14	
Area required (Ha)	29.97	13.3
	Private Land	
Decision		
42nd Meeting (07.10.2010)	Approved the proposed TOR with some additional TORs and recommended clearance for pre-construction activities.	

Saskang Rong HEP

Dist/ State	West Kameng Dist/ Arunachal Pradesh	
River/ Basin	Pasom Rong and Kimkong Rong	
Proposal	TOR	
Developer	Patel Engineering	
Height of dam (m)	13	
Installed Cap (MW)	36	
Area Req (Ha)	20	
Decision		
12th Meeting (17-18.03.2008)	Desired some clarification/ incorporation in the Form -1 and PFR.	
14th Meeting (07-08.05.2008)	The revised TOR was approved by the Committee.	

Talong HEP

Dist/ State	East Kameng District/ Arunachal Pradesh	
River/ Basin	Kameng	
Proposal	Exp of capacity	
Developer	GMR Londa Hydropower Pvt Ltd	
Installed capacity (MW)	225 (160)	
Height of dam (m)	104	
Decision		
18th Meeting (18-19.09.2008)	<ul style="list-style-type: none"> - The TOR of this project was approved by the EAC at its meeting held on 22nd February, 2007. - The project authority M/s GMR Energy has now revised the project capacity from 160 MW to 225 MW without changing any physical parameters which was submitted earlier for 160 MW installed capacity. They have requested to approve the enhanced capacity. The State Govt has issued NOC for increase in the capacity. - The committee desired to know the basis for proposing the enhancement of installed capacity. 	
19th Meeting (15-16.10.2008)	- The committee decided the methodology used for calculation to be verified by CWC. Decision on enhancing the capacity would be taken in the next meeting after hearing from CWC. The project authority need not to attend the next meeting.	
20th Meeting (20-21.11.2008)	As such committee did not agree for increasing the capacity of 160 MW to 225 MW as proposed by the project authority.	
38th Meeting (30.06.2010)	Due to paucity of time consideration of the project was deferred to the next meeting.	
39th Meeting (17.07.2010)	- The committee approved the FRL of 488m and to keep a free flow of 500m between the u/s and the present project with an enhanced capacity of 225 MW and include all the suggested points in the already approved TOR while undertaking studies.	
61 st Meeting (12-13.10.2012) (For Extension of the Validity Period of TORs)	<p>The project proponent requested the Ministry for the extension of the project on the plea that the MOEF has given few more additional TORs, social impact assessment study could not be completed on time and finally EIA/EMP reports submitted to SPCB for conducting public hearing. It has been informed by the project proponent that the public hearing could not be conducted by SPCB.</p> <p>The MoEF appraised the EAC accordingly and was informed about Office Order dated 22.3.2010 as per which only 1 year extension could be given. Recommended for extension of validity for 1 year i.e. up-to August, 2013.</p>	

Kameng Dam HEP

Dist/ State	East Kameng District/ Arunachal Pradesh	
River/ Basin	Kameng	

Proposal	TOR
Developer	Kameng Dam Hydro Power Pvt. Ltd. of KSK Group
Height of dam (m)	108
Installed Cap (MW)	420
Submergence area (Ha)	3,764
Decision	
4 th Meeting (18-19.07.2007)	The committee desired that the approved TORs of Tato-II should be followed along with some additional TORs. The committee decided to visit the proposed site. However, after the site visit additional TOR will be suggested by the committee if required.
57 th Meeting (27-28.04.2012)	- The Govt of Arunachal Pradesh directed the project proponents that Seppa town & major population of nearby villages to be kept away from submergence. Therefore the KSK proposes to develop the project between EL 377 & EL 305 m which has been approved by the Govt of Arunachal Pradesh. The Committee did not accept the proposal as the proposed location does not appear to be environmentally feasible.

Anjaw Hydro Electric Project

Dist/ State	Anjaw District/ Arunachal Pradesh
River/ Basin	Lohit
Proposal	TOR
Developer	Lohit Urja Private Ltd of Athena Group
Installed Capacity (MW)	280
Height of Dam (m)	26
FRL (m)	EL 580
MDDL (m)	EL 578
Catchment Area (Sq Km)	16,430
Submergence (Ha)	39
Area required (Ha)	359.12
Decision	
51 st Meeting (15-16.07.2011)	Approved the TORs with the some additions.

Demwe HEP

Dist/ State	Anjaw District, Arunachal Pradesh
River/ Basin	Lohit
Proposal	TOR
Developer	Athena Energy Ventures Pvt. Ltd
Height of dam (m)	180
Installed capacity (MW)	3000 (12x250)
Catchment area (sq km)	22,000
Sumergence area (Ha)	2500
Area required (Ha)	3600
Decision	
4 th Meeting 18-19.07.2007)	EAC informed the project authorities that proposal is being considered for one dam. If they change the scope of the project, they have to submit fresh proposals. As, about five projects are coming up on the same river, the TORs proposed for Kalai-I and Hutong should be followed for preparation of EIA/EMP. Recommended clearance for pre construction activities. The committee decided to visit the site.

Demwe upper HEP

Dist/ State	Anjaw District, Arunachal Pradesh
River/ Basin	Lohit
Proposal	TOR for increased installed capacity from 1050 to 1080
Developer	Athena Demwe Power Pvt. Ltd
Height of dam (m)	87
Installed capacity (MW)	1050 (1080)
Sumergence area (Ha)	749 (1440)
Area required (Ha)	967
Decision	
11 th Meeting (20-21.02.2008)	Recommended the proposal with some observations. The committee would like to visit the project sites and may suggest more conditions to be considered for the EIA/EMP studies for both the projects, after the site visit.
16 th Meeting (16-17.07.2008)	- A sub-group of the committee visited the proposed site. The site visit report was considered by the committee and the recommendations for additional TORs, proposed in the report were accepted.
43 rd Meeting (12-13.11.2010)	Recommended the revision of TOR for the modified scheme of 1050 MW subject to some additional conditions.

Demwe Lower HEP

Dist/ State	Lohit District/ Arunachal Pradesh
River/ Basin	Lohit
Proposal	Increase of capacity

Developer	Athena Energy Ventures Pvt Ltd
Installed capacity (MW)	From 1630 MW to 1750 MW
Height of dam (m)	124.8
FRL (m)	424.8
Submergence area	1131
Area required (Ha)	1589.97
Villages affected	23 (204 PAFs)
Decision	
11th Meeting (20-21.02.2008)	Recommended proposal with some observations. The committee would like to visit the site & may suggest more conditions.
16 th Meeting (16-17.07.2008)	Recommendations for additional TORs, proposed in the report were accepted.
17 th Meeting (22.08.2008)	- The project authority should submit a clear letter from CWC recommending water availability for enhanced capacity. The requested information/ clarification may be submitted for further consideration by the committee.
21st Meeting (15-16.12.2008)	Noting that the FRL has been reduced from EL 425 m to 420 m which reduces the submergence area from 1190 ha to 1069 ha, the committee agreed to increase the installed capacity of the proposed project from 1200 MW to 1630 MW.
27th Meeting (15-16.06.2009)	<ul style="list-style-type: none"> - Initially the project authority submitted the Demwe Hydroelectric Project for generation of 3000 MW and the scoping approval along with TOR was granted during August, 2007. - The project was bifurcated into two projects as Lower Demwe and Upper Demwe to avoid submergence of Kamlang Wildlife Sanctuary. Scoping approval with TOR was granted for Demwe Lower Hydroelectric Project on 25 March, 2008 for 1200 MW. - Subsequently, the capacity of the project was increased to 1630 MW after obtaining the concurrence of CEA/ CWC on the water availability studies. The DPR of this project was submitted to CEA in January 2009. - CEA directed to keep the FRL and MWL of Demwe Lower at EL 424.8 m against earlier considered FRL of EL 420 m and MWL of EL 423.5 m respectively by suitably modifying the spillway capacity. - In view of CEA's directions both FRL and MWL of Demwe Lower Hydroelectric Project have been now proposed to EL 424.8 m to ensure optimal utilization of head. - As the FRL of Lower Demwe HEP at EL 424.8 m, the Kamlang Wildlife Sanctuary area will be outside the project submergence area. As the lowest point of the sanctuary is at EL 425 m. Since the EIA/ EMP studies of the project are being conducted considering the FRL at EL 425 m as per the approved TOR, no additional area/ studies would be required. - The studies submitted to CEA with FRL at EL 424.8 m, the installed capacity works out to be 1700 MW and CEA has approved the modification of DPR of Demwe Lower Hydroelectric Project with FRL of 424.8 m and MDDL of 408 m with the enhanced installed capacity of 1750 MW. dated 16th June, 2009. - As there is no change in the physical parameters due to change of FRL and enhanced capacity the Committee approved the enhanced installed capacity of 1750 MW from 1630 MW.
31 st Meeting (21-22.10.09) EC	Recommended the project for environmental clearance subject to submission of some additional information & clarification.
32nd Meeting (16.11.2009)	Reiterated recommendation for environmental clearance to the project subject to submission of some additional information.
33rd Meeting (15-16.12.2009)	The project proponent has carried out impact study on the down stream upto 10km, there are lot of representations about the likely impact beyond 10 km down stream. The project proponent agreed to conduct additional study beyond 10km down stream till the junction where the river joins another river for which a TOR will be separately intimated.

Hotong HEP

Dist/ State	Anjaw/ Arunachal Pradesh
River/ Basin	Lohit
Proposal	Scoping
Developer	Mountaion Fall India Pvt Ltd
Installed Cap (MW)	1250
Decision	
4 th Meeting (18-19.07.2007)	It was suggested that the project proponents should engage different reputed consultants for preparation of EIA etc, reports.

Kalai-I HEP

Dist/ State	Anjaw/ Arunachal Pradesh
River/ Basin	Lohit
Proposal	Scoping
Developer	Mountaion Fall India Pvt Ltd
Height of dam (m)	186
Installed Cap (MW)	1450
Catchment area (sq km)	16616
PAPs	370 (six villages)
Decision	
4 th Meeting (18-19.07.2007)	EAC recommended clearance for pre construction activities subject to incorporating TORs finalized in respect of Tato-II. In addition some additional TORs were prescribed. The committee decided to visit the site. After the site visit additional TOR will be suggested.

Kalai-II Hydro Electric Project

Dist/ State	Anjaw District/ Arunachal Pradesh
River/ Basin	Lohit
Proposal	TOR
Developer	Kalai Power Pvt. Ltd (subsidiary company of M/s Reliance Power Ltd)
Height of dam (m)	161
Installed Cap (MW)	1200
Area required (Ha)	830
Submergence Area (Ha)	660
PAFs	22
Decision	
31st Meeting (21-22.10.2009)	Recommended clearance for pre-construction activity and approved the TOR with some suggestions.

Tipang Hydro Electric Project

Dist/ State	Changlang District, Arunachal Pradesh
River/ Basin	Tirap/ Lohit
Proposal	TOR
Developer	IL&FS Renewable Energy Ltd
Height of dam (m)	65
Installed capacity (MW)	45
Area required (Ha)	557
Decision	
35th Meeting (18-19.02.2010)	For generation of only 45 MW of hydro power a big chunk of forest land will be used which is not environmentally justified and not acceptable. The forest area may be reduced or the proponent has to find an alternate site. The proponent should submit the revised TOR with sufficient data on hydrology and reduced forest area for further consideration by the Committee.
36th Meeting (22-23.03.10)	Recommended prior environmental clearance & approved TOR with the condition that study on Bamboos & cane to be included.

Gimliang HEP

Dist/ State	Anjaw District/ Arunachal Pradesh
River/ Basin	Lohit
Proposal	TOR
Developer	Sai Krishnodaya Industries Pvt. Ltd
Installed Cap (MW)	99
Decision	
61st Meeting (12-13.10.2012)	The project proponent did not attend the meeting and committee also noted the absence of the project proponent.

Raigam HEP

Dist/ State	Anjaw District/ Arunachal Pradesh
River/ Basin	Lohit
Proposal	TOR
Developer	Sai Krishnodaya Industries Pvt. Ltd
Installed Cap (MW)	96
Decision	
61st Meeting (12-13.10.2012)	The project proponent did not attend the meeting.

Dardu Hydro Power Project

Dist/ State	Papumpare District/ Arunachal Pradesh
River/ Basin	Pare River
Proposal	TOR
Developer	KVK ECI Hydro Energy Pvt. Ltd
Height of dam (m)	29.5
Catchment area (sq km)	710
Installed Cap (MW)	60 (2x30)
FRL (m)	400
HRT (km)	8.61
Area Req (Ha)	82.70
Submergence area (Ha)	64.2
Forest Land (Ha)	64.70
Decision	
59th Meeting	Project falls within 10 Km distance of Itanagar Wildlife Area and clearance from National Board for Wild Life (NBWL) shall be taken.

(20-21.07.2012)	The project shall be reconsidered after submission of the requested information.
60 th Meeting (07-08.09.2012)	EAC considers that the project meets adequately the aquatic bio-Diversity need. The justification of cumulative utilization of 37 km is provided by the project proponent from contribution of intermediate streams joining the river and which has been shown in neat catchment area map now provided in compliance commented by EAC. Recommended for scoping clearance and approved the TOR with additional TORs.

Par Hydro Power Project

Dist/ State	Papumpare District of Arunachal Pradesh
River/ Basin	Pare River/ Brahmaputra River
Proposal	TOR
Developer	KVK ECI Hydro Energy Pvt. Ltd
Height of dam (m)	25.5
Catchment area (sq km)	420
Installed Cap (MW)	60 (2x30)
HRT (km)	7.75
Area Req (Ha)	28.25
Submergence area (Ha)	8.5
Forest Land (Ha)	17
Decision	
59 th Meeting (20-21.07.2012)	Project falls within 10 Km distance of Itanagar Wildlife Area and clearance from National Board for Wild Life (NBWL) shall be taken. The project shall be reconsidered after submission of the requested information.
60 th Meeting (07-08.09.2012)	Recommended for scoping clearance and approved the TOR with some additional TORs.

Turu Hydro Power Project

Dist/ State	Papumpare District/ Arunachal Pradesh
River/ Basin	Pare River
Proposal	TOR
Developer	KVK ECI Hydro Energy Pvt. Ltd
Height of dam (m)	29.5
Catchment area (sq km)	560
Installed Capa (MW)	66 (2x 33)
FRL (m)	612
HRT (km)	7.95
Area Req (Ha)	29.49
Submergence area (Ha)	11.24
Forest Land (Ha)	13.75
Decision	
59 th Meeting (20-21.07.2012)	Project falls within 10 Km distance of Itanagar Wildlife Area and clearance from National Board for Wild Life (NBWL) shall be taken. The project shall be reconsidered after submission of the requested information.
60 th Meeting (07-08.09.2012)	Recommended for scoping clearance and approved the TOR with some additional TORs.

TATO-I Hydro Power Project

Dist/ State	West Siang District /Arunachal Pradesh
River/ Basin	Yarjep River
Proposal	Revision of Capacity at TOR stage
Developer	Siyota Hydro Power Pvt. Ltd. of VELCAN Energy Group
Installed capacity (MW)	186
Decision	
7 th Meeting (15.10.2007)	The committee visited the site of Tato HEP which is about 30 km upstream of the Hirong HEP. TOR for this project was approved by EAC at meeting on 15.11.06. The committee stated that the revised TOR shall be followed. In addition for upliftment of the quality of life of the villages, the study should be carried out within a radius of 10 KMS from the project area.
15 th Meeting (18-19.06.2008)	- Noted that some more points may also be included in the TOR:
17 th Meeting (21.22.08.2008)	Approved the TORs the project and recommended clearance for pre-construction activities, The committee also suggested that Secretary (Power) and Secretary (Environment), Govt of Arunachal Pradesh shall be invited to attend the meeting as and when the proposals are submitted for environmental clearance to clarify the allotment of projects on altitude basis.
34 th Meeting (19-20.01.2010)	Committee was of the opinion all the three projects are continuous, flow contribution from the inter-media streams (if any) between contiguous projects will also be utilised for the projects. As there is no free stretching of river between the contiguous projects the river will be without water for a stretch of about 13 kms. The methodology used for calculating water availability was appreciated by the Committee. The Committee wanted the measured rainfall data at the G&D stations which was not readily available with the project proponent. Moreover, the projects are utilising a stretch of river of 13 kms only out of a total of 70 kilometres. The Ministry has already granted clearance for pre construction activities for all the three projects with lesser installed capacity. EAC decided to take a decision after receiving the actual rainfall data at the project site with their analysis.
36 th Meeting (22-23.03.2010)	Recommended clearance for pre construction activities for the revised capacities and the projects features proposed by the

	project proponent and approved the TOR.
52nd Meeting (16-17.09.2011)	Approved the revised capacity with the following additional TORs

TATO-II Hydro Power Project

Dist/ State	West Siang District /Arunachal Pradesh
River/ Basin	Siyom
Proposal	Env Clearance
Developer	Tato Hydro Power Pvt. Ltd.
Height of dam (m)	123
Installed capacity (MW)	700
Area required (Ha)	371.49
PAFs	376
Decision	
45th Meeting (20-21.12.2010)	Recommended environmental clearance to the project with some observations and subject to some standard conditions

Pauk Hydro Power Project

Dist/ State	West Siang District/ Arunachal Pradesh
River/ Basin	Yarjep River
Proposal	Revision of Capacity at TOR stage
Developer	Pauk Hydro Power Pvt. Ltd of VELCAN Energy Group
Installed capacity (MW)	145
Height of dam (m)	113.4
Decision	
15th Meeting (18-19.06.08) TOR	Pauk HEP is allotted for 50 MW, the project authority has submitted the proposal for 80 MW. The project authority ased to restrict the capacity within 50 MW or fresh allotment letter mentioning 80 MW to be submitted. More points may be included in the TOR:
17th Meeting (21-22.08.2008)	Noted that the project authority has not submitted any letter from the Govt of Arunachal Pradesh regarding increase in the installed capacity from 50 MW to 80 MW. The committee made it clear to the project authority that in case the capacity of the project are changed, then they have to take fresh approval for the TOR. - The committee directed that the Ministry may process the proposal for approval of TORs only after receipt of the allotment letter from the Govt of Arunachal Pradesh for 80 MW. - The committee also suggested that Secretary (Power) and Secretary (Environment), Govt of Arunachal Pradesh shall be invited to attend the meeting as and when the proposals are submitted for environmental clearance to clarify the allotment of projects on altitude basis.
34th Meeting 19-20.01.2010	The Dam height raised from 24 meter to 113.4 meter, to reduce the total head of the cascade. The submergence area has been raised from 7 ha to 24 ha. The developer is using a smaller river stretch (515 meter of head against 572 meter) as per new feature to generate more power. The Committee decided to take a decision after receiving the actual rainfall data at the project site with their analysis.
36th Meeting (22-23.03.2010)	The EAC recommended clearance for pre construction activities for the revised capacities and the projects features proposed by the project proponent and approved the TOR.
52nd Meeting (16-17.09.2011)	Approved the revised capacity with the additional TORs.

HEO Hydro Power Project

Dist/ State	West Siang District/ Arunachal Pradesh
River/ Basin	Yarjep River
Proposal	Revision of Capacity at TOR stage
Developer	HEO Hydro Power Pvt. Ltd of VELCAN Energy Group
Installed capacity (MW)	240
Height of dam (m)	18.4
Decision	
15th Meeting (18-19.06.08) TOR	The proposed TORs may be revised based on suggested observations and resubmitted.
17th Meeting (21-22. 08.2008)	- The revised TOR was discussed. It was noted that only the broadline of the suggested TOR was added, however during presentation this TORs were elaborated. In case the capacity of the project are changed, then they have to take fresh approval for the TOR. Approved the TORs and recommended clearance for pre-construction activities, - The committee suggested that Secretary (Power) and Secretary (Environment), Govt of Arunachal Pradesh shall be invited to attend the meeting when the proposals are submitted for EC to clarify the allotment of projects on altitude basis.
34th Meeting (19-20.01.2010)	There is no change of site. The dam height has been reduced from 23 to 18.4 meter with submergence area remaining same 7 ha. EAC to take a decision after receiving the rainfall data at the project site with analysis.
36th Meeting (22-23.03.2010)	The EAC recommended clearance for pre construction activities for the revised capacities and the projects features proposed by the project proponent and approved the TOR.
52nd Meeting (16-17.09.2011)	Approved the revised capacity with the additional TORs

Hirit HEP

Dist/ State	Arunachal Pradesh
River/ Basin	Hirit/ Siyom
Proposal	TOR
Height of dam (m)	17
Installed Cap (MW)	28 (2x14)
Area Req (Ha)	120
Submergence area (Ha)	7
Forest Land (Ha)	115
Decision	
15th Meeting (18-19.06.2008)	This is a 'B' category project needs to be dealt by the SEIAA. SEIAA has been constituted recently but still not functioning. State Govt has requested this Ministry for appraisal of this project. Some points may be included in the TOR.
17th Meeting (21.22.08.2008)	Approved the TORs and recommended clearance for pre-construction activities. EAC suggested that Secy (Power) & Secy (Env), Govt of ArP shall be invited to attend the meeting when the proposals are submitted for EC to clarify the allotment of projects on altitude basis.

Hirong HEP

Dist/ State	West Siang Dist/ Arunachal Pradesh
River/ Basin	Siyom/ Siang
Proposal	TOR
Developer	Jaypee Hydro Power Company Ltd
Height of dam (m)	133.50
Installed Cap (MW)	500
Catchment area (sq km)	1147
Area Req (Ha)	492.76
Forest Land (Ha)	492.76
Village affected	312 PAFs
Decision	
7th Meeting (15.10.2007)	Recommended clearance for pre construction activity and suggested TORs for preparation of EIA report.
62nd Meeting (23-24.11.2012) EC	The Public Hearing for the project was conducted on 18.05.2011. Sought some additional information/clarifications.

Kangtangshiri Hydro Power Project

Dist/ State	West Siang District/ Arunachal Pradesh
Proposal	Extension of Validity of ToRs
Developer	Kangtangshiri Hydro Power Pvt. Ltd.
Installed Cap (MW)	80
Decision	
60th Meeting (07-08.09.2012)	The project proponent has submitted a request to the Ministry for an extension of 1 year for Kangtangshiri hydroelectric (80 MW) project in Arunachal Pradesh. The Ministry granted Scoping/TOR clearance to this project on 20.10.2010. The validity of 2 year period of the TOR will be over in Oct 2012. EAC examined it in view of the justification given and recommended the extension of validity of TOR for 1 year.

Lower Siang Hydro Electric Project

Dist/ State	East Siang Dist/ Arunachal Pradesh
River/ Basin	Siang
Proposal	Exp of capacity
Developer	Jaiprakash Power Ventures Pvt Ltd
Installed capacity (MW)	2700 (2025)
Height of dam (m)	86 (68)
Catchment area (sq km)	2,47,00
Submergence area	51.51 sq km
Decision	
7th Meeting (15.10.07) TOR	EAC desired that Form 1 to be revised & submitted. Recommended clearance for pre construction activity; suggested TORs.
38th Meeting (30.06.2010)	It was accorded prior environmental clearance on 7th November, 2007 for 2025 MW. The Committee examined the adequacy of TOR for already prepared EIA report and suggested some additional TORs for incorporation in the EIA report.
39th Meeting (17.07.2010)	With some observations the Committee approved the proposed TOR for preparation of EIA report.
62nd Meeting (23-24.11.12) extension of validity	The Ministry granted TOR extension to this project which ended on 6.5.2012 for enabling them to conduct public hearing which was not possible due to law and order problems. EAC recommended for extension of validity for 1 year i.e. 31.5.2013.

Lower Yamne Stage-I Hydroelectric Power Projects

Dist/ State	Upper Siang Dist/ Arunachal Pradesh
River/ Basin	Yamne River
Proposal	TOR
Developer	Yamne Power Private Limited

Installed Capacity (MW)	88 (2x44)
Height of Dam (m)	22
FRL (m)	425
MDDL (m)	420
HRT (km)	8.4
Catchment Area (sq km)	967
Area required (Ha)	128.25 (forest land 77 ha)
Decision	
55th Meeting (10-11.02.2012)	Scoping clearance and ToRs for conducting an EIA study was approved with some observations.

Lower Yamne Stage- II Hydroelectric Power Projects

Dist/ State	Upper Siang Dist/ Arunachal Pradesh
River/ Basin	Yamne River
Proposal	TOR
Developer	Yamne Power Private Limited
Installed Capacity (MW)	90
Height of Dam	25
FRL (m)	318
HRT (km)	4.05
Catchment Area (sq km)	1149
Area required (Ha)	105.89 (forest land 63.5 ha)
Decision	
55th Meeting (10-11.02.2012)	Scoping clearance and ToRs for conducting an EIA study was approved with some observations.

Naying HEP

Dist/ State	West Siang Dist/ Arunachal Pradesh
River/ Basin	Siyon
Developer	D S Construction Ltd
Height of dam (m)	105
Inst Cap (MW)	1000
Area Req (Ha)	600
Submergence area (Ha)	200
Decision	
3 rd Meeting (22.06.2007)	Recommended clearance for pre-construction activities.

Phangchung Hydroelectric Project

Dist/ State	East Kameng District in Arunachal Pradesh
River/ Basin	Pachi
Proposal	Revised Project capacity
Developer	Pachi Hydro Power Projects Ltd
Installed Capacity (MW)	From 36 to 56
Submergence area (Ha)	25.5
Decision	
15 th Meeting (18-19.06.08) TOR	This is a 'B' category project needs to be dealt by the SEIAA. SEIAA has been constituted recently but still not functioning. State Govt has requested this Ministry for appraisal of this project. The committee desired in addition to the proposed TORs some pointes may be included.
24 th Meeting (19-20.03.2009)	Noted Phangchung HEP was originally cleared by CEA for 60 MW, as a dam based project. The promoters revised the scheme to a run of the river type leading to reduction of installed capacity to 36 MW with Design Energy of 137.6 MU. The present assessment of design capacity as 56 MW is based on accepting the representative mean rainfall as 4062 mm (Sebu Lanka) and 4100 mm for Badao Lamino. With 75% runoff factor, the yield is taken as 3075 mm. The rainfall data of one-two year is very undependable.

Kameng-I HEP (Bhareli)

Dist/ State	East Kameng/ Arunachal Pradesh
River/ Basin	Bhareli/ Kameng
Proposal	Scoping
Height of dam (m)	123
Installed Cap (MW)	1120
Area Req (Ha)	969
Forest Land (Ha)	716
Decision	
1 st Meeting (18.04.2007)	A Part of the submergence area falls under the Pakke Tiger Reserve. The project can not be recommended for preconstruction activities. The project authority may prepare the EIA as per the suggested TORs. When the EIA/EMP report is submitted for environmental clearance, the

clearance for Standing Council of India Board for Wildlife has to be enclosed. Recommended suggested TORs for the project.
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Rapum HEP

Dist/ State	West Siang /Arunachal Pradesh	
River/ Basin	Yargyap Chu/ Brahmaputra	
Proposal	Exp from 40 MW to 80 MW	
Clearance Proposal	TOR	
Developer	Rapum Hydro Power Pvt. Ltd.	
Installed Cap (MW)	80	
Ht/ L of Dam (m)	40	
Area required (Ha)	40	
	Forest Land	12.595
	Private Land	26.905
Catchment area (sq km)	839	
Decision		
46 th Meeting (21-22.01.2011)	Upstream of Rapum is Rego HEP and downstream is Pauk HEP. The length of Yargyap Chu from the origin up to the proposed diversion site is 53 km. There is no mention about the free flow of river in between the upstream and downstream projects. EAC desired more info.	
47 th Meeting (26.02.11)	It was decided that the Project cannot be given TORs in its present specifications.	
48 th Meeting (26.3.2011)	The revised configuration of Rego and Rapum Projects with a minimum of 0.5 km free reach is preferred environmentally than to the present cascading projects with no free riverine length. The proposal shall be considered for scoping only after the revision suggested by the proponent is approved by the Govt of Arunachal Pradesh. However, the developers have to undertake a cumulative impact assessment study of Yargyap Chu River for ensuring environmental sustainability?	
58 th Meeting (1-2.06.12)	Recommended Scoping/ToR clearance subject to the confirmation by GoAP regarding revised levels of Rego HEP, as proposed by the proponent.	

Rego HEP

Dist/ State	West Siang Dist/ Arunachal Pradesh	
River/ Basin	Yargyap Chu	
Proposal	TOR	
Developer	Tuff Energy Pvt. Ltd.	
Height of dam (m)	8.5	
Installed Cap (MW)	70	
Submergence area (Ha)	23.81	
Forest Land (Ha)	23.81	
Decision		
18 th Meeting (21-22.08.08)	Deferred to the next meeting.	
19 th Meeting (15-16.10.08)	In future the capacity of the project may be increased to 95 MW after the DPR is prepared. The proposed TORs to be revised based on the comments given in writing by Dr. A.K. Bhattacharya, Dr. B.P. Das and Dr. J.K. Sharma.	
21 st Meeting (15-16.12.08)	Recommended clearance for pre-construction activity and approved the TOR with some observation.	

Simang-I Hydroelectric Project

Dist/ State	Arunachal Pradesh	
River/ Basin	Simang	
Proposal	TOR	
Developer	Adishankar Power Pvt. Ltd.	
Height of dam (m)	22	
Installed Cap (MW)	67	
Submergence area (Ha)	29	
Forest Land (Ha)	20	
Decision		
19 th Meeting (15-16.10.08)	Desired to have some information.	
21 st Meeting (15-16.12.08)	Recommended clearance for pre-construction activities and approved the proposed TOR with some observations.	
36 th Meeting (22-23.03.10)	EAC agreed to the alternative 2-stage proposal with continuance of approved TOR, subject to incorporation of some conditions.	
61 st Meeting (12-13.10.12) (Extension of Validity of TORs)	The project proponent requested the Ministry for the extension of project on the plea that the field works, property survey, socio economic surveys could not be completed on time due to unforeseen local problems although, substantial progress has been achieved. Recommended for extension of validity for 1 year i.e. up-to June, 2013.	

Simang-II Hydroelectric Project

Dist/ State	Arunachal Pradesh
River/ Basin	Simang
Proposal	TOR
Developer	Adishankar Power Pvt. Ltd.
Height of dam (m)	22
Installed Cap (MW)	66
Area Req (Ha)	85
Submergence area (Ha)	70
Decision	
19th Meeting (15-16.10.08)	- This is a 'B' category project but has been submitted to the Ministry as the SEIAA committee of Arunachal Pradesh is not functioning. Desired to have some information.
21 st Meeting (15-16.12.08)	Recommended clearance for pre-construction activities and approved the proposed TOR with some observations.
36th Meeting (22-23.03.10)	EAC agreed to the alternative 2-stage proposal of the developer with approved TOR, subject to incorporation of some conditions.
61st Meeting (12-13.10.12) (For Extension of the Validity Period of TORs)	The project proponent requested the Ministry for the extension of project on the plea that the field works, property survey, socio economic surveys could not be completed on time due to unforeseen local problems although, substantial progress has been achieved. Recommended for extension of validity for 1 year i.e. up-to June, 2013.

Tagurshit Hydro Electric Project

Dist/ State	West Siang District/ Arunachal Pradesh
River/ Basin	Tagurshit
Clearance Proposal	TOR
Developer	L&T Power Development Ltd
Height of dam (m)	22
Installed capacity (MW)	74
HRT (km)	2.7
Area required (Ha)	41.7
Submergence area (Ha)	10
Decision	
34 th Meeting (19-20.01.10)	Recommended prior environmental clearance and approved the proposed TOR along with some conditions.
55 th Meeting (10-11.02.12) Capacity revision TORs	After deliberation, it was decided that the request of the Project Proponent shall be reconsidered after submission of the requested data.
56 th Meeting (30-31.03.12) Revision of Capacity from 60 to 84 MW	The Committee had asked to explore the possibility of lowering the design discharge to about 20 cumecs, so that river health is not affected adversely in the downstream reach. On the suggestion of the Committee, studies were carried out by PP to reduce the design discharge while considering viability of the project and the design discharge has been revised and reduced from 24.05 cumecs to 21.19 cumecs, which will reduce the capacity from 84 MW to 74 MW and the corresponding energy loss of around 12% annually. With this design discharge of 21.19 cumecs, the average downstream release (environmental flow + spill) will be 5.76 cumecs during the monsoon period. Any further reduction in design discharge would make the project unviable. Further, the environmental flow would be released through Howell Bungler valve or a mini/micro power house of appropriate capacity located at the toe of the dam. The Committee was satisfied and recommended amendment in TORs for the enhanced capacity of 74 MW.

Yamne -I HEP

Dist/ State	Arunachal Pradesh
River/ Basin	Yamne
Proposal	TOR
Developer	Abir Infrastructure Pvt. Ltd.
Height of dam (m)	55
Installed cap (MW)	60
Area Req (Ha)	400
Submergence area (Ha)	300
Decision	
17th Meeting (21-22.08.08)	Noted that key information is yet to be firmed up and will be done at the EIA stage.
18th Meeting (18-19.09.08)	Additional TORs were suggested. Recommended clearance for pre-construction activities and approved the TOR.

Yamne -II HEP

Dist/ State	Arunachal Pradesh
River/ Basin	Yamne
Proposal	TOR
Developer	SS Yamne Energy Ventures Pvt. Ltd
Height of dam (m)	20
Installed cap (MW)	60 to 96
Catchment area (sq km)	890

Area Req (Ha)	90.4
Submergence area (Ha)	35.50
Decision	
17th Meeting (21-22.08.08)	Noted that key information are yet to be firmed up and will be done at the EIA stage.
18th Meeting (18-19.09.08)	Additional TORs were suggested. Recommended clearance for pre-construction activities and approved the TOR.
62 nd Meeting (23-24.11.12) Revision of TOR for 96 MW	Recommended revision in capacity for 96 MW with some additional TOR.

Jerong Hydroelectric Project

Dist/ State	West Siang/ Arunachal Pradesh
River/ Basin	Siyom
Proposal	TOR
Developer	Jerong Hydro-Electric Power Company Ltd
Height of dam (m)	85
Installed cap (MW)	90
Area Req (Ha)	108.35
Submergence area (Ha)	64
Forest Land (Ha)	13
Decision	
60 th Meeting (07-08.09.2012)	EAC after thorough scrutiny & examination of various issues for the project mentioned that one of the major problems in hydropower projects is gross interference with the natural and normal river flow regime and the riverine life. In this respect, the project proponent was requested to furnish requested points. MoEF may consider the above information/clarification, before issuing TOR to the project.

Pema Shelphu Hydroelectric Project

Dist/ State	West Siang Dist/ Arunachal Pradesh
River/ Basin	Yargyap Chu Rive
Proposal	TOR
Developer	Menchuka Hydro Power Pvt
Height of dam (m)	81
Installed Cap (MW)	70
HRT (km)	3.7
Submergence area (Ha)	16
Area required (Ha)	63
Decision	
28th Meeting (28-29.07.2009)	Adding the reservoir length at FRL to the 3.7 km long HRT, the total length of the river over which the natural river flow will be disrupted due to the project need to be indicated. If this is the only project in the Yargyap chu, the prioritization of the sub-watersheds for CAT plan is to be based the entire catchment. The relevant section in the TOR is unclear and repetitive on the methodology, which should be based on the SYI method of AISLUS. Any change in the project features after TOR approval may require fresh submission of Form 1, TOR, etc., for approval.

Nalo Hydropower Project

Dist/ State	Subansiri/ Arunachal Pradesh	
River/ Basin	Subansiri	
Proposal	TOR	
Developer	Indus Hydro Power (India) Pvt. Ltd	
Installed Capacity (MW)	360 (86x4 & 16)	
Height of Dam (m)	124	
Catchment Area (Sq Km)	12,111	
Submergence Area (Ha)	370.92	
Area required (Ha)	662.94	
	Forest Land	427.94
Decision		
53 rd Meeting (11-12.11.2011)	Approved the TORs proposed by the Proponent with some additions:	

Subansiri Middle HEP

Dist/ State	Lower Subansiri District/ Arunachal Pradesh
River/ Basin	Kamla/ Subansiri
Proposal	TOR
Developer	Jindal Power Ltd
Height of dam (m)	222
Installed Capacity (MW)	1600 (8x200)
HRT (km)	0.765, 0.865, 0.965 & 1.065 (four HRTs)

Submergence area (Ha)	2867	
Area required (Ha)	3180	
	Forest Land	1333
Decision		
36th Meeting (22-23.03.2010)	The TOR was not cleared and the proponent was advised to re-submit the TOR with the reduced submergence area and accordingly optimized power potential along-with latest hydrology data.	
40th Meeting (20-21.08.2010)	The committee desired some more information in the revised TOR especially the reduction in height of dam and sacrifice in energy generation to minimise submergence of land for further consideration by the EAC.	
41st Meeting (24-25.09.10)	Recommended clearance for pre construction activities and approved the proposed TOR with some conditions.	
61st Meeting (12-13.10.12) (For Extension of the Validity TORs)	The project proponent requested the Ministry for the extension of project on the plea that the field works, property survey, social impact assessment study could not be completed on time primarily due to delay in finalisation of DPR. The EAC recommended for extension of validity for 1 year i.e. up-to December, 2013 and change of name of the Project as well as the Company.	

Subansiri Upper Hydro Electric Project

Dist/ State	Upper Subansiri District / Arunachal Pradesh	
River/ Basin	Subansiri River/ Brahmaputra River	
Proposal	TOR	
Developer	KSK Upper Subansiri Hydro Energy Pvt. Ltd.	
Installed Cap (MW)	2000	
Ht/ L of Dam (m)	237	
Catchment area (sq km)	20250	
Submergence Area (Ha)	2220	
Area required (Ha)	3155	
	Forest Land	2170
Decision		
46th Meeting (21-22.01.11)	Approved for pre-construction activities of survey and investigation works and approved the TOR with some observations.	

Tawang Hydro Electric Project Stage-I

Dist/ State	Tawang District/ Arunachal Pradesh	
River/ Basin	Tawang chu river	
Proposal	Env Clearance	
Developer	NHPC	
Installed Cap (MW)	600	
Ht/ L of Dam (m)	26	
HRT (km)	14	
Area affected	25 villages (114 Ha)	
Area required (Ha)	305.60	
	Forest Land	191.80
Decision		
45th Meeting (20-21.12.2010)	To be discussed in the next meeting for Tawang Stage-II along with environmental proposal of Tawang HE Project Stage-I.	
46th Meeting (21-22.01.11)	The EAC recommended the project for the grant of environmental clearance to Tawang HE Project Stage-I.	

Tawang Hydro Electric Project Stage II

Dist/ State	Tawang District/ Arunachal Pradesh	
River/ Basin	Tawang chu river	
Proposal	Env Clearance	
Developer	NHPC	
Installed Cap (MW)	800	
Ht/ L of Dam (m)	28	
HRT (km)	16	
Area affected	14 villages (76 Ha)	
Area required (Ha)	452.60	
	Forest Land	376.60
Decision		
45th Meeting (20-21.12.10)	It would be discussed in the next meeting for Tawang-II along with environmental proposal of Tawang HE Project Stage-I.	
46th Meeting (21-22.01.2011)	The EAC recommended the project for the grant of environmental clearance to Tawang HE Project Stage II.	

Mago Chu Hydro Electric Project

Dist/ State	Tawang District/ Arunachal Pradesh	
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River/ Basin	Mago Chu/ Tawang Chu
Proposal	TOR
Developer	Sew Mago Chu Power Corporation Pvt. Ltd.
Height of dam (m)	50
Installed capacity (MW)	96
Submergence area (Ha)	9
Area required (Ha)	30 (all forest land)
Decision	
31 st Meeting 21-22.10-2009)	There are several mistakes in the documents. The proponent was advised to submit revised proposal based on observation.
34 th Meeting (19-20.01.2010)	Recommended clearance for pre-construction activities and approved the TOR with some conditions.

New Melling Hydro Electric Project

Dist/ State	Tawang District/ Arunachal Pradesh
River/ Basin	Mago Chu/ Tawang Chu
Proposal	TOR
Developer	Sew Energy Ltd.
Height of dam (m)	67
Installed capacity (MW)	96
Submergence area (Ha)	32.7 (all forest land)
Decision	
31 st Meeting 21-22.10.2009)	The proponent was advised to submit revised proposal based on some observation of the EAC.
34 th Meeting (19-20.01.10)	Recommended clearance for pre-construction activities and approved the TOR with some conditions.

Nyamjang Chhu 780 MW Hydroelectric Power Project

Dist/ State	Twang District/ Arunachal Pradesh	
River/ Basin	Tawang Chhu River	
Proposal	Final Env Clearance	
Developer	NJC Hydro Power Limited	
Installed Cap (MW)	780 (6x130)	
Height of Dam (m)	10.2	
FRL (m)	2114.9	
MDDL (m)	2112.2	
HRT (km)	23.45	
Catchment area (sq km)	2650	
Area required (Ha)	254.55	
	Village Affected	3
	Forest Land	NA
Decision		
48 th Meeting (26.3.2011)	The Project Proposal shall be reconsidered after receipt of the requested information from the Project Proponent. The letter of Shri Akhil Gogoi from Krishak Mukti Sangram Samiti, Assam to the Hon'ble MEF against the clearance for this project without carrying out the Manas river basin study was discussed by the Committee. The EAC has been examining the projects without a pre-condition of cumulative Impact Assessment. Since so far, no such decision for not considering the projects without the Basin Study has been taken by the Ministry, the Committee has reviewed the project on its merits.	
52 nd Meeting (16-17.09.2011)	Recommended the Project for environment clearance.	

Nyukcharong Chu Hydro Electric Project

Dist/ State	Tawang District/ Arunachal Pradesh	
River/ Basin	Nyukcharong Chu/ Tawang Chu	
Proposal	TOR	
Developer	Sew Nyukcharong Chu Power Corporation Pvt. Ltd	
Height of dam (m)	46	
Installed capacity (MW)	96	
Submergence area (Ha)	6.06	
Area required (Ha)	Forest Land	25
Decision		
31 st Meeting 21-22.10.2009)	Desired some information.	
34 th Meeting (19-20.01.2010)	Recommended clearance for pre-construction activities and approved the TOR with some conditions.	

Rho Hydro Electric Project

Dist/ State	Twang District, Arunachal Pradesh	
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River/ Basin	Tawang River
Proposal	TOR
Developer	Sew Rho Power Corporation Pvt. Ltd
Height of dam (m)	41.5
Installed capacity (MW)	141 (3X47)
Submergence area (Ha)	9
Area required (Ha)	35.39 (all forest land)
Decision	
42nd Meeting (07.10.2010)	Recommended clearance for pre-construction activities, survey and investigation and approved the TOR with sine observations.

Tsachu-I Lower Hydro Power Project

Dist/ State	Tawang District/ Arunachal Pradesh
River/ Basin	Tsona Chu River
Proposal	TOR
Developer	Energy Development Ltd
Catchment area (sq km)	1870
Installed Capa (MW)	69
HRT (km)	1.67
Area Req (Ha)	19.50 (all forest land)
Decision	
59 th Meeting (20-21.07.2012)	Recommended scoping clearance and approved TORs with some additional TORs.

Tsachu-II Lower Hydro Power Project

Dist/ State	Tawang District/ Arunachal Pradesh
River/ Basin	Tsona Chu River
Proposal	TOR
Developer	Energy Development Ltd
Height of dam (m)	8.7
Catchment area (sq km)	2056
Installed Capa (MW)	79
Area Req (Ha)	38.89 (all forest land)
Decision	
59 th Meeting (20-21.07.2012)	Recommended Scoping Clearance and approved ToRs for with the same additional ToRs as for the Tsachu I Lower.

ASSAM

Karbi Langpi Upper Stage HEP

Dist/ State	Karbi Anglong District/ Assam
River/ Basin	Borpani
Proposal	TOR
Developer	Assam Power Generation Corporation Ltd
Height of dam (m)	127
Installed Cap (MW)	60 (2x30)
Area Req (Ha)	363.20
Decision	
19th Meeting (15-16.10.08)	Project authority did not attend the meeting neither circulated the documents to the members.
20th Meeting (20-21.11.2008)	Suggested that model TOR for North-East prepared by the Ministry may be followed. The revised document may be submitted to the Ministry. The Ministry may process the proposal on receipt of revised documents for clearance.

Lower Kopili HEP

Dist/ State	Karbi Anglong District, Assam
River/ Basin	Kopili
Proposal	TOR
Developer	Assam Power Generation Corporation Ltd
Height of dam (m)	71.345
Installed Cap (MW)	150 (3x50)
Area Req (Ha)	1577
Forest Land (Ha)	1103
Village affected	12 PAFs
Decision	
19th Meeting (15-16.10.08)	Project authority did not attend the meeting neither circulated the documents to the members.
20th Meeting (20-	Suggested that model TOR for North-East prepared by the Ministry may be followed. The revised document may be submitted

21.11.2008)	to the Ministry. The Ministry may process the proposal on receipt of revised documents for clearance.
63 rd Meeting (26-27.12.2012)	As per the PFR, it was envisaged to generate (3x50 MW) i.e. 150 MW of hydropower. The rated discharge was envisaged as 172 cumec. During the course of presentation, it was confirmed by the project proponents that, after accounting for Environmental Flows, installed capacity has been reduced. It was informed that the original proposal for 150 MW HEP has been abandoned and the present proposal has been conceptualized afresh. The EAC suggested that a PFR for the revised project configuration be submitted for consideration of issue of TOR to the project.

MANIPUR

Loktak Downstream Hydropower Project		
Dist/ State	Nungba, Tamenglong Districts/ Manipur	
River/ Basin	Leimatak	
Proposal	Env clearance	
Developer	NHPC Ltd	
Height of dam (m)	28	
Installed Capacity (MW)	66	
Area required (Ha)	211.57 (all forest land)	
	Villages affected	NA (705 PAFs)
Decision		
53 rd Meeting (11-12.11.2011)	The presentation could not be completed due to poor quality of presentation material which was almost illegible. Committee expressed unhappiness for the shabby presentation. The Ministry has received a complaint against the project from Shri S. Sarat Singh, Keishamthong Irompukhri Mapal Imphal. Reply to the points raised in this complaint shall be discussed when the project is reconsidered.	
59 th Meeting (20-21.07.2012)	The revised information presented by the Project Proponent was reviewed and some suggestions were made.	
61 st Meeting (12-13.10.2012)	Recommended environmental clearance subject to some commitments & submission of the information.	

Tipaimukh Multipurpose Project		
Dist/ State	Manipur	
River/ Basin	Barak	
Proposal	Env Clearance	
Developer	NEEPCO	
Installed Cap (MW)	1500	
Area Req (Ha)	31,950	
Forest Land (Ha)	26,237	
Village affected	2027 PAPs	
Decision		
7 th Meeting (15.10.2007)	<p>- Shri Mani Charename, .M.P. and Citizen Concern for Dams and Development, Manipur had sent representations against conducting public hearing at district headquarter in Tamenglang and churachandpur which are 200 km & 300 km away from the project site.. These representations were sent to NEEPCO & State Govt for their comments. Though NEEPCO had sent their comments but State Govt. did not give any comments. They have only forwarded the comment of State Pollution Control Board without mentioning whether they accept the comments of SPCB or not.</p> <p>- The Committee was of the opinion that SPCB is not Govt, hence their comment can not be considered as State Govt's comment.</p> <p>- The earlier committee also noted that a PIL has been filed in Guwahati High Court on this project, but the Hon'ble High Court has not given any direction regarding consideration of the project by the Ministry.</p> <p>- The expert committee at its last meeting i. e on 22. 02.2007 desired some information and decided to depute a sub group to visit the proposed site after receipt of above information. Now some more issues need further clarifications.</p> <p>-A group of people were protesting against the mega dam projects with different placards in front of the NEEPCO building where the meeting was conducted. Chairman requested the NEEPCO officials to invite their representative for knowing their views. Executive Director Shri Borgohain informed the committee that most of them have left, the venue and few persons available at that time are not interested to meet the committee. The copy of representation was handed over to the Chairman. A site visit is required before taking a decision on the project.</p>	
13 th Meeting (12.04.2008)	<p>- Aerial survey of the proposed site was done by the committee on 11th April, 2008. It was noted that back water of reservoir will travel about 175 km. The committee also met the villagers of Tipaimukh, where the dam is proposed. Noted mixed opinion.</p> <p>- Notice of public hearing was issued on 28th and 29th February, 2008 as such the people of the locality did not get 30 days time for lodging their protests.</p> <p>- Naga's students objected for implementation of the project in North Kachar Hills as their culture will be affected due to influx of outsiders for construction work, which may create social problem in their locality. Deputy Commissioner, Churachandpur clarified that all forests do not belong to the communities. The forests belong to the communities are unclassified forests which are about 6000 ha in area. Rests of the forests are either reserved forests or protected forests.</p> <p>- This project was considered by the committee earlier on 15th October, 2007. The clarifications sought by the committee were examined critically. The members were not satisfied with the clarification/ information furnished by the project authority. The committee desired further</p>	

	clarification/ information on some issues.
18th Meeting (18-19.09.2008)	- Several newspaper publications highlighting various issues for and against the project have been brought to the notice of EAC over a long period of time by several groups/ persons. Some groups have even given a call for Chakka bandh of public transport system in Manipur on the date of this EAC meeting to register their protest. The Chairman, therefore, desired detail deliberations on some basic issues. Recommended environmental clearance subject to implementation of the suggested conditions.

MEGHALAYA

Kynshi Stage- I	
Dist/ State	West Khasi Hill District/ Meghalaya
River/ Basin	Kynshi
Proposal	TOR for reduced installed capacity
Developer	Athena Kynshi Power Private Limited
Installed Capacity (MW)	300
Height of dam (m)	53
Area required (Ha)	185
Decision	
14th Meeting (07-08.05.2008)	- Noted that the Kynshi Stage-I HEP is a storage scheme. Desired some more points to be incorporated in the TOR.
45 th Meeting (20-21.12.2010)	Recommended continuance of TOR for amended scheme of 300 MW Kynshi Stage-I HEP with some additional conditions.

Kynshi Stage- II	
Dist/ State	West Khasi Hills District/ Meghalaya
River/ Basin	Kynshi
Proposal	TOR
Developer	Jaypee Meghalaya Power Limited
Installed Capacity (MW)	450
Height of dam (m)	113 (91 revised)
Submergence Area (Ha)	2705
Area required (Ha)	4200 (2169 revised)
Decision	
40th Meeting (20-21.08.2010)	Committee was of the opinion that the proposed project is likely to impact the environment adversely and irreversibly.
43rd Meeting (12-13.11.2010)	The EAC did not accept the proposal due to involvement of large forest area. The revised proposal with revised layout of Kynshi-II HEP submitted by the proponent was considered by the EAC. The representatives of the proponent gave a detailed presentation on the revised proposal. It was noted in comparison to earlier proposal; revised proposal is with reduction of forest area from 4200 ha to about 2169 ha. and reduction in the length of water conductor system from 16.5 km to 14.38 km. - As per revised project layout, project components mainly consist of 91m high concrete gravity dam located downstream of confluence of Wahblei river with Kynshi river, 13 Kms long head race tunnel, a surge shaft, an underground power house with an installed capacity 3 unit of 150 MW and 0.95 km long tail race channel. Accorded approval for pre-construction activities of survey and investigation works and suggested the Terms of Reference (ToR) for undertaking EIA study.

Kynshi Stage- II (revised, figures in brackets are for earlier scheme)	
Dist/ State	West Khasi Hills District/ Meghalaya
River/ Basin	Kynshi
Proposal	Reduction of Capacity
Developer	Jaypee Meghalaya Power Limited
Installed Capacity (MW)	400 (450)
Height of dam (m)	196 (243)
HRT (km)	12 (27)
FRL (m)	193 (204)
Submergence Area (Ha)	522 (1867)
Area required (Ha)	695 (2169)
Decision	
56 th Meeting (30-31.03.2012) For reduction of capacity	- With this revised lay out the project has been divided into two namely Kyunshi-II 400 MW and Kyunshi intermediate 40 MW project which is upstream of Kyunshi-II. Kyunshi intermediate scheme shall be at FRL 310 m. - The Committee felt that since the Uranium deposits are just in the vicinity and above the submergence area, although, at present Uranium is not being extracted from these deposits but in case, in future it is decided to mine these deposits, the project may hamper the extraction. Further, crossing of submergence over the Uranium deposits could be a health hazard also. It was decided that as a precaution, the Ministry may seek comments from the Ministry of Atomic Energy. The possibility

	of Uranium deposits getting a through flow path once the reservoir gets impounded needs examination. Decided that the decision for ToRs shall be taken only after receipt of the comments from Ministry of Atomic Energy. Meanwhile, some additional information may be submitted the Project Proponent
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Mawhu HEP	
Dist/ State	East Khasi Hill Dist/ Meghalaya
River/ Basin	Umiew
Proposal	TOR
Height of dam (m)	38
Installed Cap (MW)	120
Area Req (Ha)	65
Decision	
1 st Meeting (18.04.2007)	The Committee recommended clearance for pre construction activities for the project and also TORs for the project.

Nongkohlait Hydroelectric project	
Dist/ State	East Khasi hills district / Meghalaya
River/ Basin	Umngi
Proposal	TOR
Height of dam (m)	43
Installed Cap (MW)	120
Area Req (Ha)	400 (most of the land if forest land)
Forest Land (Ha)	20 (only in submergence)
Decision	
6 th Meeting (20.09.2007)	The project authority did not attend the meeting.
7 th Meeting (15.10.2007)	Submit detailed TOR, based on TOR approved for Umngot HEP in Khasi hills district.
9 th Meeting (13-14.12.2007)	The revised TOR was considered by the committee and found unsatisfactory. Asked to follow the Umngot HEP TOR.

Umduna HEP	
Dist/ State	East Khasi Hills District /Meghalaya
River/ Basin	Umlam
Proposal	TOR
Developer	ETA Star Infrastructure Ltd.
Height of dam (m)	24
Installed Cap (MW)	57
Decision	
14 th Meeting (07-08.05.2008)	The proposal may be processed for approving TOR by the Ministry after receipt of the revised copy. Recommended clearance for pre construction activities.

Umngi Hydroelectric project	
Dist/ State	Meghalaya
River/ Basin	Umngi
Proposal	TOR
Developer	Meghalaya State Electricity Board
Height of dam (m)	74
Installed Cap (MW)	100
Submergence area (Ha)	495
Decision	
6 th Meeting (20.09.2007)	The project authority did not attend the meeting.
7 th Meeting (15.10.2007)	Submit detailed TOR, based on TOR approved for Umngot HEP in Khasi hills district.
9 th Meeting (13-14.12.2007)	The revised TOR was considered by the committee and found unsatisfactory. Asked to follow the Umngot HEP TOR.

Umjaut HEP	
Dist/ State	East Khasi Hills District /Meghalaya
River/ Basin	Umlam
Proposal	TOR
Developer	ETA Star Infrastructure Ltd
Height of dam (m)	33
Installed Cap (MW)	69 (3x23)
Forest Land (Ha)	2.6
Decision	
14 th Meeting (07-08.05.2008)	The proposal may be processed for approving TOR by the Ministry after receipt of the revised copy. Recommended clearance

	for pre construction activities.
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Myntdu Hydroelectric Project

Dist/ State	Meghalaya
River/ Basin	Myntdu
Proposal	Extension of one Unit
Installed Cap (MW)	42 (additional on existing project)
Decision	
16th Meeting (16-17.07.2008)	- Myntdu Hydroelectric Project was accorded environmental clearance on 26th September, 2001 for generation of 84 MW (2x42 MW). - The project authority gave a detailed presentation on the installation of 3rd unit without changing any physical parameters of the cleared project. The only hydro-mechanical equipment required in the new proposal or the butterfly wall for the new pen stock and the Draft Tube Gate with Rope Drum Hoist. The committee recommended clearance for the additional unit of 1x42 MW in the same complex.

Myntdu Leshka Stage -II HEP

Dist/ State	Jaintia Hills District/ Meghalaya
River/ Basin	Myntdu
Proposal	TOR
Developer	Meghalaya State Electricity Board
Installed Capacity (MW)	280 (4x70)
Height of dam (m)	65
Area required (Ha)	51 (all forest land)
Decision	
22 nd Meeting (22.01.2009)	Desired some more information.
29 th Meeting 19.08.2009)	- Noted that this project will be implemented in two phases, phase-I and phase-II. Two units of 70 MW will be installed for power generation. The present clearance is sought for phase-I that is for 2x70 MW and not for 4x70 MW which they have proposed in their proposal. For construction of the second phase no additional area of land will be required. - The comments/ suggestion made by the committee in its 22 Jan 2009 meeting could not be clarified by the proponent. As such the committee desired the reply to the observations should be specific and given in tabular form against each item. NOC from the competent authority of the Govt of India should be submitted for locating the project near international boundary (4 km from Bangladesh). In addition to the earlier observations, some suggested observations also to be incorporated in the TOR.
36 th Meeting (22-23.03.10)	Recommended clearance for pre-construction activities and approved the TOR with the condition that - No Objection Certificate from concerned Ministry for locating the project near international border should be submitted.

MIZORAM

Kolodyne-II HEP

Dist/ State	Lawngtlai/saiha district / Mizoram
River/ Basin	Kolodyne
Proposal	TOR
Developer	NTPC
Installed Capacity (MW)	460 (4x115)
Height of dam (m)	109
Submergence Area (Sq km)	3700
HRT (km)	3.5
Area required (Ha)	3900
	Villages affected
	3 (878 people)
Decision	
27 th Meeting (15-16.06.2009)	The committee desired more information. Recommended clearance for pre-construction activities for survey & investigation.
50 th Meeting (02-03.06.2011) Change in TOR	The Project Proponent could not attend the meeting.
51 st Meeting (15-16.07.2011)	The proposal shall be reconsidered after submission of requested information.
54 th Meeting (26-27.12.2011)	Recommended the amendment in the TORs issued on 10th July, 2009 with some additional TORs.

NAGALAND

Dikhu HEP

Dist/ State	Mon District/ Nagaland
River/ Basin	Yangnyu with Dikhu
Proposal	TOR
Developer	Manu Energy Systems Pvt. Ltd.

Height of dam (m)	112
Installed Cap (MW)	186
Area Req (Ha)	2440
Submergence area (Ha)	2320
Village affected	15
Decision	
14th Meeting (07-08.05.2008)	Desired some information. EAC desired comments given by Dr. A.K. Bhattacharya, Dr. B.P. Das and Dr. J.K. Sharma may be handed over to the project authority for revising the documents in accordance with the observation of the members.
20th Meeting (20-21.11.2008)	Approved the TOR with some additional issues.
63 rd Meeting (26-27.12.2012) For capacity of 186 MW	Recommended revalidation of TOR for enhanced capacity of 186 MW and extension of TOR for another two years with requested observations to be incorporated in the study as additional ToRs.

SIKKIM

Dickchu HEP	
Dist/ State	East and North Sikkim districts / Sikkim
River/ Basin	Bakcha and Dikchu river
Proposal	Env Clearance
Developer	Sneha Kinetic Power Projects Ltd
Height of dam (m)	36
Installed Cap (MW)	96
HRT (km)	5.7
Catchment area (Sq km)	240
Area required (Ha)	39.07
Forest Area (Ha)	7.9
Private Land (Ha)	1.8
Submergence Area (Ha)	5.694
Decision	
10 th Meeting (16-17.01.2008)	- The committee expressed their concern about the agitation by the local people against setting-up of hydroelectric projects in the protected area. It was clarified by the project authority that the agitations were going on by Lepcha & Bhutia people against HEPs which are to be located in the 'Dzongu' area, which is protected area for them. It was also clarified by the proponent that the project area does not come in Chungthang area, which, as per the carrying capacity report of Teesta Basin in Sikkim is hot spot for ecology. Desired more information:
11th Meeting (20-21.02.2008)	- The committee made a point on 16.1.2008, that the project authority should request the Secretary (Environment), Govt of Sikkim to attend the meeting to clarify the stand of Govt on agitation by the people of Sikkim and to get a better picture of state of affairs in relation to environment and related matters. The Secretary (Environment), Govt. of Sikkim deputed Shri. Chhezung Lachungpa, Conservator of Forests, Land Use & Environment to clarify the stand of Sikkim Govt. He had explained that the agitation is mostly confined to Dzongu area, Which is on the right bank of Teesta in North Sikkim as the locals of that area mostly Lepchas, a tribe considered as the original inhabitants of Sikkim fear that their culture, custom, tradition, privacy and way of life will be disturbed due to deployment of labour during construction stage of power projects. He has also clarified that the Sikkim Govt. is actively pursuing the issues related to the agitation so that an amicable and peaceful solution could be worked out. The Members expressed their satisfaction on the changes made to the Environment Management Programmes based on their suggestions and also on the budgetary provisions and recommended environmental clearance.

Rangit -II Hydro Electric Project	
Dist/ State	/Sikkim
River/ Basin	Rimbi Khola/ Rangit
Proposal	Changes in Layout
Developer	Sikkim Hydropower Ventures Ltd.
Installed Capacity (MW)	66
Height of dam (m)	40
HRT (km)	5.182
PAF	105
Area required (Ha)	64.93
	Private Land 55.87
	PAFs 190
Decision	
23rd Meeting (16-17.02.09)	Desired to have some more information/clarification for further consideration.
24th Meeting (20.03.2009)	The Committee had requested some clarifications in last meeting. The reply to the clarifications sought by the committee was considered. Noted that diversion structure is on Rimbi Khola and power house is on another river named Kalej Khola. Noted that after the construction of dam, the discharge will decrease along with depth, velocity and channel width. .
25th Meeting 21.04.2009)	The members were of the opinion that the study period is too short for recommending on quantity of water to be discharged during lean season to retain the natural character of the river. The proposed 0.4 cumec discharge was not acceptable to the committee. The committee recommended environmental clearance with the environmental flow of 0.8 cumec, which should be

	allowed to flow uninterrupted, without having any on/off mechanism under the control of proponents.
26th Meeting 14.05.2009)	Recommended the project for environmental clearance with environmental flow of 0.8 cumecs. The committee reiterated its earlier decision of 21.04.2009 for keeping minimum environmental flow 0.8 cumecs.
35 th Meeting (18-19.02.2010)	Project got environmental clearance from MoEF during June 2009. Approved the changes in the dam type and layout as proposed by the developer, keeping in view of the environmental advantages of the revised proposal.
58 th Meeting (1-2.06.2012) For Shifting of dam site by 36 m	EAC reviewed and observed that proposed changes are essential to make project techno-economically viable and these changes do not cause any additional environmental impacts. Recommended revalidation of environmental clearance with the proposed changes in the location of dam and other components. The Committee suggested that such small changes having no implication on the environment may be dealt with at the Ministry's level itself.

Tashiding Hydroelectric project

Dist/ State	West Sikkim District/ Sikkim	
River/ Basin	Rangit	
Proposal	Env Clearance	
Developer	Shiga Energy Private Limited	
Installed capacity (MW)	97 (2x48.5)	
Height of dam (m)	12	
HRT (km)	5.437	
Area required (Ha)	17.854	
	Forest Land	3.725
	Private Land	14.129
Decision		
37th Meeting (22.04.2010)	- TOR was accorded by EAC during January 2007. EIA/EMP may be revised based on some observation of the committee.	
38th Meeting (30.06.2010)	Recommended environmental clearance to the project.	

Ting Ting Hydro Electric Project

Dist/ State	West Sikkim District/ Sikkim	
River/ Basin	Rathang Chu River/ Rangit	
Proposal	Env Clearance	
Developer	TT Energy Private Limited	
Installed Cap (MW)	99 (2x49.5)	
Height of dam(m)	44	
FRL (m)	1165	
MDDL (m)	1143	
HRT (km)	2.141	
Catchment area (sq km)	372	
Area required (Ha)	25.4924	
	Forest Land	4.9381
	Private Land	16.1986
Decision		
43rd Meeting 12-13.11.2010)	Revise the proposal & revise the EIA/EMP reports to incorporate all the issues discussed and resubmit for review by the EAC.	
46 th Meeting (21-22.01.2011)	EAC recommended the project for environmental clearance.	
49th Meeting (29-30.04.2011)	- The Khangchendzonga Conservation Committee, Sikkim has been representing to the Hon'ble MEF against the project. The petitioner has desired that despite their repeated complaints the EAC/MoEF have so far not provided any explanation to them. The complainant has desired a fresh public hearing. To address the issues raised by the complainant, Shri S Pradhan, DC, West Sikkim where the public hearing was held and Shri Manjeet Singh, Member Secretary of Sikkim State Pollution Control Board attended the meeting. The point-wise comments of DC on the complaint were already sent to the Committee Members. The DC and MS were of the opinion that there were no major objection/ opposition from the public which is evident from the videography. The Committee did not feel the need for a public hearing again.	

Lethang Hydro Electric Project

Dist/ State	West District, Sikkim	
River/ Basin	Teesta	
Clearance Proposal	TOR	
Proposal	Exp from 60 MW to 96 MW	
Developer	KHC Lethang Hydro Project Pvt. Ltd	
Height of dam (m)	20	
Installed capacity (MW)	96	
HRT (km)	2.136	
Decision		
31 st Meeting (21-22.10.2009)	Approved the TOR with some suggestions. - Revised TOR based on the suggested observations to be submitted to the Ministry for approval of preconstruction activity.	

34 th Meeting (19-20.01.2010)	- Noted that the location of the project is very near to the Kanchendzonga Wildlife Sanctuary, only 300 meters and the whole catchment (360 km ²) is in the Sanctuary of which 152 km ² is snow bound area and remaining 208 km ² is rain-fed. The impact on Wildlife Sanctuary due to this project should be very important item in the TOR and should have clearance from the appropriate authority. Recommended clearance for pre-construction activities and approved the TOR.
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Huntley Tar Hydroelectric Project

Dist/ State	East Sikkim/ Sikkim
River/ Basin	Rangpo Chu
Proposal	TOR
Developer	Moser Baer Electric Power Ltd
Height of dam (m)	17
Installed Cap (MW)	40 (3x13.33)
Area Req (Ha)	39.02
Submergence area (Ha)	7.80
Forest Land (Ha)	13.01

Decision

60 th Meeting (07-08.09.2012)	Noted that this is a Category-B Project. The project falls within 10 km radius of Pangolakha Wildlife Sanctuary, and therefore, the project has been submitted to Ministry for consideration at Central level. Recommended scoping clearance with some observations/conditions.
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Teesta Stage –I HEP

Dist/ State	Sikkim
River/ Basin	Teesta
Proposal	TOR
Height of dam (m)	15
Installed Cap (MW)	280

Decision

1 st Meeting (18.04.2007)	Recommended clearance for pre construction activities and proposed some TORs in addition to the proposed TORs.
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Teesta Stage-II

Dist/ State	North Sikkim District of Sikkim
River/ Basin	Teesta
Proposal	Revision of capacity (TOR)
Developer	Himurja Hydro Pvt. Ltd
Installed Cap (MW)	150

Decision

62 nd Meeting (23-24.11.2012)	The project proponent did not attend the meeting and hence project was not considered.
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Teesta Stage -III Hydro Electric Project

Dist/ State	N Sikkim/ Sikkim
River/ Basin	Teesta
Proposal	Changes in layout
Developer	Teesta Urja Limited
Installed Cap (MW)	1200

Decision

35 th Meeting (18-19.02.2010)	- The environmental clearance for the project was granted on 4th August 2006. In view of Honble Supreme Court Order dated 4th December 2006 in Writ Petition No. 460 of 2004 - Goa Foundation Vs Union of India, and keeping in mind the proximity of Khangchendzonga National Park (KNP), committee asked clarification about the NBWL Clearance. The developer will approach to NBWL for their clearance shortly.
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Teesta Stage -IV Hydroelectric Project

Dist/ State	/Sikkim
River/ Basin	Teesta
Proposal	TOR
Developer	NHPC
Installed Capacity (MW)	520
Height of dam (m)	65
Submergence area (Ha)	105.37
Area required (Ha)	324
Forest Land	143.49
PAFs	256

Decision

20th Meeting (20-21.11.2008)	Upstream of this project is Teesta State-III HEP and downstream is Teesta Stage V & VI HEPs. Teesta-V has already commissioned recently and other two projects are under implementation. The long tunnels of these projects have forced the river to flow through the tunnel only. The original flow of the river vanished. 23 km of the river is bypassed for already commissioned Teesta-V project. The twin HRT, the desilting chambers and the TRT of the proposed project altogether will cause the river underground for about 7 km length. Representations received from the NGOs for keeping the river free in between Teesta Stage-III and Teesta-V projects, were handed over to the project authorities. The committee desired to have some more information/clarification.
23rd Meeting (16-17.02.2009)	In view of a number of representations received from Affected Citizens of Teesta, SANDRP and Kalpvriksh and after critically examining all the environmental related issues, the committee decided to visit the site before taking a decision on the proposal.
24th Meeting (21.04.2009)	This project was considered by the EAC at its earlier meetings held on 21st November, 2008 and 17th February, 2009. As several representations were received from 'Affected Citizens of Teesta? (ACT), SANDRP and Kalpavriksha, the committee had decided at its meeting held in February, 2009 to visit the proposed site and held the EAC meeting in Sikkim. As such the committee visited the proposed site on 20th April, 2009. The 25th meeting of EAC was held in the Conference Hall of Teesta Stage-V HEP at Balatur, Singtam. Before starting the meeting the representatives of Affected Citizens of Teesta met the committee and gave a presentation on environmental degradation around Teesta river due to construction of Hydro electric projects. Discussion on Teesta-IV HEP was deferred due to the representations given by representatives of Affected Citizens of Teesta. The project authority was requested to go through with the representations and make their comments on the same. The matter will be further considered in the next EAC meeting after receipt of the reply from NHPC.
26th Meeting (14.05.2009)	Approved the TOR and recommended clearance for pre-construction activity along with some additional TORs.
27th Meeting (16.06.2009)	- This project was accorded environmental clearance on 21st September, 2006. - Kalpavriksh intimated through on 2nd June, 2008 that desilting chambers proposed in the DPR is being modified which may affect the natural environment. The project authority was requested vide this Ministry's letter dated 6th January, 2009 to send their comments on this issue. The project proponent informed the Ministry vide letter dated 4th February, 2009 that the Techno Economic Clearance (TEC) accorded by Central Electricity Authority (CEA) was subject to completion of the then ongoing Geological investigations desired by Geological Survey of India (GSI). - Noted that the results of the Geological investigations in lay out of desilting arrangement were submitted to CEA for onward transmission to GSI. Noted that Geological Survey of India vide their letter dated 16th April, 2009 intimated the CEA "that the DPR of Teesta Stage –VI HEP, Sikkim – Techno Economic Clearance may be considered cleared subject to the following conditions:- (i) The results of the additional explorations/ investigations carried out be communicated for appraisal. (ii) The status of month-wise progress on the project, particularly on geotechnical explorations/ investigations be communicated regularly. (iii) The suggestions of GSI (furnished as comments) be followed - The clearance may be considered withdrawn if the above conditions are not fulfilled".
60th Meeting (7-8.09.2012) EC	The Kanchendzonga National Park (KNP) is at an aerial distance of about 6 Km from the dam site & Fambong Lho Wildlife Sanctuary (FLWS) is also within 6 Km from the proposed powerhouse. The project proponent may furnish the requested clarification/information for reconsideration of the proposal by the EAC.
62nd Meeting (23-24.11.2012)	The project proponent made a detailed presentation on the project and queries raised by the EAC earlier on the project. The committee further discussed two issues in detail: (i) Provisions made by Teesta-IV project for Dzongu Area (ii) Environmental flow to be released from Teesta-IV Dam The project proponent was asked by the Committee to submit the revised environmental flow calculations based on the revised study for further consideration by the EAC.

Chakung Chu Hydro Power Project

Dist/ State	North Sikkim District/ Sikkim
River/ Basin	Chakung Chu
Proposal	TOR
Developer	Velankani Renewable Energy Pvt. Ltd
Installed Cap (MW)	90
Decision	
57th Meeting (27-28.04.2012)	The legal status of this project was also discussed by the Committee along with the Ralong project. The Committee agreed to have a presentation on this project also on the condition that the scoping clearance shall be subject to the outcome of the decision of the Hon'ble Court and the Ministry shall not be liable for any legal disturbances / implications. Further, in case the project is awarded to some other developer, the scoping clearance and TORs shall not be transferable. The proponent agreed to the conditions and made a presentation on the silent features of the project. The Committee felt that almost the same comments shall hold good for this project also and it will also be reconsidered after submission of the information.

Panam Hydro Power Project

Dist/ State	North Sikkim District of Sikkim
River/ Basin	Teesta
Proposal	enhancement of capacity to 300 MW
Developer	Himagiri Hydro Energy Pvt. Ltd.
Installed Cap (MW)	280

Decision	
56th Meeting (30-31.03.2012)	The discussion on the proposal was deferred on the request of Project Proponent.
Ralong 120 MW Hydro Power Project	
Dist/ State	South Sikkim District, Sikkim
River/ Basin	Rangit
Proposal	TOR
Developer	Velankani Renewable Energy Pvt. Ltd
Installed Cap (MW)	120
Decision	
57th Meeting (27-28.04.2012)	<p>- The Committee desired to know the legal status of the project as Chairman of the Committee and the Ministry has received a representation dated 19th April, 2012 from Amalgamated Transpower (India) Ltd. claiming that they are the owners of both Ralong and Chakung Chu projects in Sikkim. It is mentioned that the matter is before the Arbitration Tribunal constituted by the honorable Supreme Court of India.</p> <p>- The proponent submitted that there is no stay from any of the Courts for development the projects by Velankani group. The Committee however was not fully convinced but agreed to have a presentation on the projects on the condition that the scoping clearance shall be subject to the outcome of the decision of the Hon'ble Court and the Ministry shall not be held liable for any legal disturbances / implications. Further, in case the project is awarded to some other developer, the scoping clearance and TORs shall not be transferable.</p>
Sankosh-Teesta canal project	
Dist/ State	Multi state
River/ Basin	Sankosh
Proposal	TOR
Developer	Tehri Hydro Development Corporation Ltd.
Height of dam (m)	265
Installed Cap (MW)	4000
CCA (Ha)	400000
Decision	
21 st Meeting (15-16.12.2008)	- It was noted by the committee that this canal project is actually link with Sankosh Multipurpose Project which is proposed on the river Sankosh, a tributary of river Brahmaputra in the Bhutan territory. The committee felt that construction of dam for power generation is a hypothetical one like Sapt-Kosi Barrage project in Nepal as the project authority could not inform when the dam construction will be started.

East India**BIHAR**

Dagmara Hydro Power Project	
Dist/ State	Supaul District/ Bihar
River/ Basin	Kosi
Proposal	TOR
Developer	Bihar State Hydroelectric Power Corporation
Installed Capacity (MW)	126
Height of dam (m)	11
Area required (Ha)	7,595.35
Decision	
6 th Meeting (20.09.2007)	The project authority did not attend the meeting.
8 th Meeting (14-15.11.2007)	EAC desired that Form 1 to be resubmitted as some issues listed have not been addressed. In addition to this, topographic map to be given. 30 years actual flow of water in the river to be checked.
9 th Meeting (13-14.12.2007)	The revised TORs were submitted by the project authority, which were found satisfactory. The committee approved the TOR and recommended clearance for pre construction activities.
38 th Meeting (30.06.2010)	The proponent did not attend the meeting.
45 th Meeting (20-21.12.2010)	The proponent did not attend the meeting.
56 th Meeting (30-31.03.2012)	Desired information on some issues: Project proposal shall be reconsidered after receipt of some more information.
61 st Meeting (12-13.10.1012) Revise TOR for 130 MW	- The EAC members expressed concern on the sharp constriction to only 1 Km wide barrage of the 10 Km wide river, prone to extensive avulsion. Recommended clearance for pre-construction activities & approved TOR with some additional TORs.

Saptokoshi Multipurpose Project & Sun Koshi Storage-cum-Diversion (India irrigation Component)	
Dist/ State	Bihar
River/ Basin	Koshi
Proposal	TOR
GCA (Ha)	9.76 lakh
Decision	
4 th Meeting (18-19.07.2007)	Suggested the proposed TORs to be elaborated and while doing this suggested issues to be incorporated. Desired that the revised TOR should be submitted after incorporating requested suggestions.
18 th Meeting (21-22.08.2008)	- It appeared that at present the proposal is hypothetical one. The project authority clarified that the TOR is needed for preparation of EIA chapter for preparation of DPR. Presuming that the proposed project would come up as a joint venture between Govt of Nepal and Govt of India, the project authority has submitted the proposal for providing irrigation in the command area. - The committee approved the TOR with suggested observations.

CHHATTISGARH

Arpa Bhasajhar Barrage project	
Dist/ State	Bilaspur District/ Chattisgarh
River/ Basin	Mahanadi
Proposal	TOR
Developer	Water Resources Department, Govt of Chattisgarh
Height of dam (m)	12.35
CCA (Ha)	25000
Catchment area (sq km)	7811
Submergence area (Ha)	653.586
Area required (Ha)	802.105
Forest Land (Ha)	442.350
61 st Meeting (12-13.10.2012)	The CWC has given in-principle consent for the project for preparation of DPR. The project proponent is not able to provide/ send minimum required documents i.e. Pre-feasibility Report (PFR), detailed hydrological data for the project and a draft TOR for irrigation project in order to go through documents by the members to get a clear view, idea and understand the details of the project before coming to EAC meeting. The Committee asked the project proponent to resubmit the PFR and Form-I incorporating the above information.
63 rd Meeting (26-27.12.2012)	Recommended the project for scoping clearance with some additional TORs.

Kelo Major Irrigation Project	
Dist/ State	Raigarh/Chhattisgarh
River/ Basin	Kelo
Proposal	Env Clearance
Developer	Govt of Chhattisgarh
Height of dam (m)	24.22
CCA (Ha)	22,800
Submergence area (Ha)	1320
Village affected	5
Decision	
15th Meeting (18-19.06.2008)	Desired some more information/ clarification:
16th Meeting (16-17.07.2008)	Recommended EC with the condition that during lean season minimum water discharge should be 2-3 cumecs.

Kanhar Hydro Electric Project	
Dist/ State	Sarguja/ Chhattisgarh
River/ Basin	Kanhar
Proposal	TOR
Developer	Chhattisgarh State Power Generation Corporation Ltd
Installed Capacity (MW)	50
Height of dam (m)	35
Submergence Area (Ha)	660
Area required (Ha)	770
Decision	
36th Meeting (22-23.03.2010)	EAC pointed out discrepancies. The proponent is requested to revise the proposal based on some observation and resubmit.

ORISSA

Khandohota Medium Irrigation Project	
Dist/ State	Dhenkanal /Orissa
River/ Basin	Pichhuli/ Bramhani Basin
Proposal	TOR
Developer	Govt of Orissa
CCA (Ha)	350
Area Req (Ha)	16.80
Submergence area (Ha)	1.52
Forest Land (Ha)	4.80
Decision	
15th Meeting (18-19.06.2008)	- This is a 'B' category project, to be dealt by State Environmental Impact Assessment Agency. However, as the said committee has not yet notified the proposal needs to be appraised by the Central Govt. Considering the project site is very small the committee exempted the projects from obtaining three seasons' environmental baseline data. The EIA may be prepared with the standard environmental parameters. - Considering the small size of the project the committee exempted the project from conducting public hearing.

Rukura Irrigation Project	
Dist/ State	Sundargarh/ Orissa
River/ Basin	Rukura Nallah/ Brahmani
Proposal	Env Clearance
Developer	Department of Water Resources, Govt of Orissa
Height of dam (m)	26
CCA (Ha)	5750
Submergence area (Ha)	667.77
Forest Land (Ha)	343.24
Village affected	4 (250 people)
Decision	
19th Meeting (15-16.10.2008)	- This is a 'B' category project. However, it is submitted to Central Govt for clearance as SEIAA in respect of Orissa State has not yet constituted. The work activities of this project have started since 1994. Environmental clearance was not required for medium irrigation projects under the provision of 1994 EIA Notification. The project authority did not apply for EC. Consequent upon issuance of EIA Notification 2006, Dept of Water Resources, Govt of Orissa, have asked to submit application for obtaining EC. Accordingly, the project authority has submitted the proposal for EC. Recommended EC as per provision mentioned under screening of EIA Notification, 2006.

Samakoi Irrigation Project	
Dist/ State	Angul Distt /Orissa
River/ Basin	Samakoi
Proposal	TOR
Developer	Govt of Orissa
Height of dam (m)	8
Irrigation	9990
Submergence area (Ha)	416
Area required (Ha)	1064.43
Private Land (Ha)	354.92
Forest Land	369.96
Decision	
15th Meeting (18-19.06.2008)	- Noted that this is a medium irrigation project, as such comes under 'B' category projects which are to be dealt by the SEIAA. However, as the said agency has not been constituted the Central Govt has to deal with. The committee desired that additional TORs may be included.
24th Meeting (19-20.03.2009)	With some observations the committee approved the TORs.

Brutang Major Irrigation Project	
Dist/ State	Naya Garh / Orissa
River/ Basin	Brutang/ Mahanadi
Proposal	Revalidation of Environment Clearance
Developer	Govt of Orissa
Height of dam (m)	42
Catchment area (sq km)	725
CCA (Ha)	23,300
FRL (m)	165
Submergence area (Ha)	2110
Forest Land (Ha)	1009.44
Village affected	41 (2002 PAPs)
Decision	
58th Meeting (01-02.06.2012)	The environment clearance to the above mentioned project was given on 2nd June, 2006 under the EIA Notification 1994 with a validity of five years. The project has also got TAC approval on 22.12.2000. The Govt of Orissa has now requested to extend the validity of environmental clearance for another five years as admissible in EIA Notification, 2006. The Govt of Orissa has informed that there was an extreme delay in obtaining other statutory clearances therefore, the project work could not start. Since the EIA Notification, 1994 has been replaced by EIA Notification, 2006, the request of Govt of Orissa has been considered as per the prevailing Notification. Accordingly, Govt of Orissa was requested to submit the following information to the Committee to review the current status of the project.
60th Meeting (7-8.09.2012)	The committee examined the proposal in view of the justification given and recommended the extension of validity of environmental clearance for 5 years for the project with some additional conditions.

Jeera Irrigation Project	
Dist/ State	Bargarh District/ Orissa
River/ Basin	Jeera
Proposal	TOR
Developer	Govt of Orissa
Height of dam (m)	17.58
Submergence area (Ha)	770
Area required (Ha)	831.50
	Forest Land 8.57
Decision	
40th Meeting (20-21.08.2010)	Approved the proposed TOR with some additional TORs.

Ong Dam project	
Dist/ State	Bargarh/ Orissa
River/ Basin	Ong
Proposal	Env Clearance
Developer	Govt of Orissa
Height of dam (m)	30
CCA (Ha)	30000
Village affected	32
Decision	
8th Meeting (14-	As the project is submerging villages of Chattishgarh also the project authority was asked to conduct a public hearing in the affected district of

15.11.2007)	<p>Chattishgarh state. As such the public hearing was held on 11th September 2007 in the affected District of Chattishgarh. A total of 32 villages are likely to be affected, of which 11 villages are fully affected and the rest (21 villages) are partially affected. 4(four) of the partially affected villages fall in Mahasamund district of Chattishgarh State. It was decided in the public hearing that Rehabilitation & Resettlement policy of Chattishgarh will be followed for affected people of Chattishgarh.</p> <p>The revised report was considered by the committee. It was noted that still there are some lacunae in the report which were pointed out. A number of contradictory statements have been made regarding the fishery potential of the river, feeding habit of the fish and use of fish for control of weeds. This needs to be rectified.</p> <p>Recommended environmental clearance subject to submission of the above information. These information need not to put up again to the committee. These may be send to Dr. Bhattacharya for verification. After receipt of his comment Ministry may process the proposal.</p>
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Daha Irrigation Project

Dist/ State	Bhanjanagar, Orissa
River/ Basin	River Daha and Kalinga Nallahs/ Loharakhandi
Proposal	TOR
Developer	Govt of Orissa
Height of dam (m)	Exist dam
Irrigation	270
Forest Land (Ha)	1.70
Decision	
19 th Meeting (15-16.10.2008)	<p>Noted that the project is Minor Irrigation Project and falls under B Category as per EIA Notification, 2006. As the SEIAA in respect of State of Orissa has not yet constituted the proposal has been before the EAC for consideration.</p> <p>- This project has since been completed in the year 1985 for assured irrigation supply to farmers of Bhanjanagar and Sorada Block in Ganjam District. The present system of irrigation is only at the right side of river Loharakhandi.</p> <p>Recommended environmental clearance as per provision mentioned under screening of EIA Notification, 2006.</p> <p>The project does not require further environmental studies for preparation of an Environmental Impact Assessment for its appraisal prior to the grant of environmental clearance depending upon the nature and location specificity of the project.</p>

Sindol 1- Deogaon HEP

Dist/ State	Sambalpur/ Orissa
River/ Basin	Mahanadi
Proposal	TOR
Developer	Orissa Hydro Power Corporation Ltd
Installed Cap (MW)	100
Height of Dam (m)	14.26
FRL (m)	EL 130
Area required (Ha)	250
	Village Affected 3
	Forest Land 40
Decision	
49 th Meeting (29-30.04.2011)	The Committee approved the TORs proposed by the Proponent with some additions.

WEST BENGAL

Dwarkeshwar Irrigation Project

Dist/ State	West Bengal
River/ Basin	Dwarkeshwar, Gandheswari
Proposal	Env Clearance
Developer	Irrigation Dept, Govt of West Bengal
Height of dam (m)	2 dams 1 barrage
CCA	38,500
Drinking Water (cumec)	0.74
Area Req (Ha)	7003
Forest Land (Ha)	247
PAPs	5577
Decision	
11 th Meeting (20-21.02.2008)	<p>- Site clearance to this project was granted by the Ministry during August, 2006 for investigation and survey and as such the proposal has been submitted as per 1994 EIA notification. Ministry has extended the time for submitting the proposal under 1994 EIA notification till 13th September, 2008. In principle clearance for preparation of DPR has been granted by CWC.</p> <p>- the committee desired some more information.</p>
16 th Meeting (16-17.07.2008)	Recommended environmental clearance to the project.

Siddheswari-Noonbeel Irrigation Reservoir Project		
Dist/ State	Birbhum District/ West Bengal	
River/ Basin	Siddheswari and Noonbeel	
Proposal	TOR	
Developer	Govt of West Bengal	
Height of dam (m)	23.65	
CCA (Ha)	29,000	
Area required (Ha)	Forest Land	434
	PAFs	28 villages
Decision		
40th Meeting (20-21.08.2010)	- This is an inter-State project between Jharkhand and West Bengal. An agreement between the Govts of Bihar (now Jharkhand) and West Bengal was executed during 1978. As per this agreement West Bengal will utilise up to a maximum of 1.60 lakhs acre feet of water from the dam and the balance yield of the rivers will be reserved for use in Jharkhand). Clarification on some issues to be submitted and representative of Govt of Jharkhand may be requested to attend the next meeting along with the project proponent.	

Subarnarekha Barrage Project		
Dist/ State	Paschim Medinipur/ West Bengal	
River/ Basin	Subarnarekha	
Clearance Proposal	TOR	
Developer	Subarnarekha Barrage Project Irrigation & Waterways Directorate	
Height of dam (m)	18	
Area required (Ha)	Forest Land	7
Decision		
34th Meeting (19-20.01.2010)	This project was accorded EC on 19th September, 1994. However, the construction work could not be started. Since fifteen years have passed, the proposal is resubmitted for environmental clearance. Desired some more information.	
41st Meeting (24-25.09.2010)	Approved the TOR after addition of some more components.	

Rammam stage-III		
Dist/ State	Darjeeling/ West Bengal	
River/ Basin	Rammam	
Proposal	Env clearance	
Developer	NTPC hydro Ltd	
Height of dam (m)	20	
Installed Cap (MW)	120	
Area required (Ha)	72	
PAFs	216	
Decision		
4th Meeting (18-19.07.2007)	Forest area of Sikkim will also be affected. The Singalia National Park is located at a distance of 5 km. Recommended EC.	

Teesta Intermediate Hydroelectric Project		
Dist/ State	Kalimpong Sub Division Darjeeling District/ West Bengal	
River/ Basin	Teesta	
Proposal	TOR	
Developer	Govt of West Bengal	
Height of dam (m)	19	
Installed Capacity (MW)	144 (4X36)	
Submergence area	50	
Decision		
27th Meeting (15-16.06.2009)	The Committee approved the proposed TOR with the condition that the proposed TOR shall be checked with model TOR prepared by the Ministry. Public hearing is to be done in both the States i.e. West Bengal and Sikkim while submitting the EIA/ EMP for EC, agreement/ MoU with Govt of Sikkim should be submitted.	

Teesta Low Dam-V HEP		
Dist/ State	Darjeeling/ West Bengal	
River/ Basin	Teesta	
Proposal	TOR	
Developer	West Bengal State Electricity Distribution Company Ltd	
Height of dam (m)	19	
Installed Cap (MW)	80	

Submergence area (Ha)	82.5
Area required (Ha)	157.5
Forest Land (Ha)	142
Decision	
61 st Meeting (12-13.10.2012)	In the PFR of the project, the project proponent has not considered environmental flow while conducting the power potential studies. The minimum environmental flow release during the lean months should be 20% of the average of the four lean months of 90% dependable year. In non-monsoon non-lean season the release should be between 20-30% of the average flows during the period in 90% dependable year. The environmental releases/spill during the monsoon season should be 30% of average Monsoon flow for 90% dependable year. This should be adhered to cater to the downstream requirement. Desired additional information. The project proponent should to resubmit the PFR and Form-I incorporating the requested information for further consideration.

TLDP –I & II Combined Hydroelectric Project	
Dist/ State	Kalimpong Sub Division/ Darjeeling District/ West Bengal
River/ Basin	Bari Rangit
Proposal	TOR
Developer	Govt of West Bengal
Height of dam (m)	37
Installed Capacity (MW)	60 (4x15)
Forest Land	240
Decision	
27 th Meeting (15-16.06.2009)	The TOR approved with some observations. Public hearing is to be done in both the States i.e. West Bengal and Sikkim while submitting the EIA/ EMP report for EC, agreement/ MoU with Govt of Sikkim should be submitted.

West India**GUJARAT**

Gulf of Khambhat development project	
Dist/ State	Bhavnagar & Bharuch Districts, Gujarat
River/ Basin	Multi
Proposal	TOR
Developer	NWRWS and Kalpasar Department
Height of dam (m)	14
Decision	
38th Meeting (30.06.2010)	The proponent did not attend the meeting.
39th Meeting (17.07.2010)	The proponent did not attend the meeting.
41st Meeting (24-25.09.10)	The documentation provided are highly inadequate and need to be more holistic which a PFR normally provides.

MAHARASHTRA

Ajansara Barrage	
Dist/ State	Wardha/ Maharashtra
River/ Basin	Wardha
Proposal	TOR
Developer	Govt of Maharashtra
Height of dam (m)	9.21
Catchment area (sq m)	11605
CCA	30004
Submergence area (Ha)	1044
Forest Land (Ha)	31.56
Village affected	5 (100 families)
Decision	
9th Meeting (13-14.12.2007)	Sought clarifications on some issues.
18th Meeting 14-15.11.2007)	Project authority did not attend the meeting as well as copies of the documents also were not received by the members.
9th Meeting (13-14.12.2007)	- The committee requested some more information.
12th Meeting (17-18.03.08)	Approved the TOR with some suggestions which needs to be incorporated in the Form -I/ TOR and PFR.

Dhapewada Lift Irrigation Project Stage-II	
Dist/ State	Gondia District/ Maharashtra
River/ Basin	Wainganga
Clearance Proposal	Env clearance
Developer	Gosikhurd Project, Water Resources Department Nagpur
Submergence area (Ha)	1282
Command area (Ha)	67,506
Area required (Ha)	Private Land 163.92
Decision	
15th Meeting (18-19.06.2008)	Desired inclusion of some more TORs and clarification on different issues.
17th Meeting (21-22.08.2008)	Desired that some more items also to be included in the TORs.
24th Meeting (19-20.03.2009)	- As such in the approval letter of TOR the project authority was directed to submit the EIA report after completing the public hearing. Subsequently, the project authority requested the Ministry for exemption of public hearing. - They project authority was advised to revise the document based on the comments given by the experts. The project authority could not clarify satisfactorily why they want exemption from conducting public hearing. As public hearing is statutory requirement the EAC suggested they should undertake public hearing and thereafter submit the proposal.
34th Meeting (19-20.01.2010)	The PP was advised to resubmit the proposal after conducting public hearing and taking care of other observations.
45th Meeting (20-21.12.2010)	- The EAC agrees to recommend EC to the project and simultaneously advises the Project Proponent to immediately submit some more info. The formal clearance letter may be issued after the aforementioned information is received by the Ministry.

Upper Penganga Project Stage -II	
Dist/ State	Hingoli/ Maharashtra
River/ Basin	Kayadhu River
Proposal	Env Clearance

Developer	Water Resources Department, Govt of Maharashtra
Ht/ L of Dam (m)	20.795
Command Area (Ha)	28,600
Area required (Ha)	5138
Decision	
34 th Meeting (19-20.01.2010)	<p>Shri D.R. Kandi, Executive Director attended the meeting along with Chief Engineer and other officials of Godavari Marathwada Irrigation Development Corporation. The proposal envisages construction of an earthen dam with 20.795 meter height to irrigate 28,600 ha of area in Hingoli and Nanded districts. The site clearance was granted to this project on 28th February, 2005 under the provisions of EIA Notification, 1994. However, the project proponent without submitting the proposal for environmental clearance had invited tenders during 2006 for construction of earthen dam and masonry dam on Kayadhu river near village Sapli, District Hingoli.</p> <p>Several representations were received in the Ministry for inviting the tender without obtaining environmental clearance. Clarification was sought from the project proponent. In response it was intimated that Upper Penganga Project Stage-I was accorded environmental clearance on 13th March, 1995 excluding Sapli Dam. The command area of Upper Penganga Stage-I included the 28,000 ha of command area. Under the Sapli Dam project the independent command area is only 600 ha and as such this project does not come under the purview of EIA Notification, 2006. This issue was reviewed in the Ministry.</p> <p>It was noted that the Sapli Dam will store water at the tune of 7 TMC. The requirement for irrigating 600 ha of water is only 1.5 TMC. The remaining water would be let out in Issapur right bank canal. The Ministry was of the opinion that this project cannot be treated as category 'B' project, as the entire project has to be viewed for impact assessment involving for 7 TMC of water. However, the project proponent had submitted the proposal to State Environment Impact Assessment Authority (SEIAA) for environmental clearance and SEIAA recommended environmental clearance on 8th July, 2009 with confusion regarding its jurisdiction in this case. In the minutes of the meeting the State EAC (SEAC) has opined that ?The Committee therefore feels that while based on proposed measures for the environmental protection and rehabilitation of the project affected persons, the project deserves to be granted environmental clearance, the issue of competent authority to grant environmental clearance has to be decided first. Subject to this, the Committee recommends grant of prior-environmental clearance. However, the Ministry did not agree with this recommendation and asked the project proponent to submit the proposal as per EIA Notification, 2006.</p> <p>Noted that the EIA report which was submitted to SEIAA was for 600 ha only. The public hearing in Hingoli district was held with this EIA report and no public hearing was held in other district i.e. Nanded. In view of the above the Committee desired that the project proponent should submit the proposal for command area of 28,600 ha as per EIA Notification, 2006 for further consideration of the Committee.</p>
46 th Meeting (21-22.01.2011)	<p>The existing cropping pattern over 1,68,270 ha (Table 13.2) and proposed cropping pattern (Table 13.3) showing same figure indicate that benefit is not increasing after introducing irrigation. This is very confusing and needs to be explained.</p> <p>Separate EIA for Social Impact Assessment to be submitted.</p> <p>Plots over a few areas of about 500 ha each, well distributed over the command area should be done.</p> <p>The time schedule for of completing the Command Area Development and OFD works to be given. A sample CAD plan for a small segment to understand the layout and interlinking of field drains link drains and final outlet may also be submitted.</p> <p>The proposal will be reconsidered after receipt of the above and other requested information/ clarification.</p>
50 th Meeting (02.06.11)	Recommended the project for EC subject to the submission of revised SIA to the Ministry within a week. The PP has submitted the same.

Upper Pravara Irrigation Project

Dist/ State	Ahmednagar/ Maharashtra
River/ Basin	Godavari
Proposal	Scoping
Developer	Godavari Marathwada Irrigation Development Corp.
Height of dam (m)	74.5
CCA (Ha)	43886+20374
Submergence area (Ha)	907
Area required (Ha)	3504
Forest Land (Ha)	383.36
Decision	
6 th Meeting (20.09.2007)	The Committee desired clarification on some issues before finalizing TORs. (As per available reports the Nilwande Dam under this project has already been completed and functioning.)

Kanhana River Project

Dist/ State	Nagpur/ Maharashtra
River/ Basin	Kanhana
Proposal	TOR
Developer	Vidarbha Irrigation Development Corporation
Height of barrage (m)	12.07
Drinking Water Supply	5.39 (3.39 Mm ³ to Nagpur- Maharashtra & 2 Mm ³ to Chhindwara- MP) Mm ³
Industrial Water Supply	15 Mm ³
Irrigation Water Supply	48.48 Mm ³
FRL (m)	316
Catchment Area (Sq Km)	4837.67

Gross Command Area (Ha)	4840	
Submergence (Ha)	1319.5 (494.19 Ha in MP and 823.31 Ha in Maharashtra)	
Area required (Ha)	1434.54	
	Villages affected	4 (4360 person)
	Forest Land	72
Decision		
21st Meeting (15-16.12.2008)	The project authority informed that due to Assembly Session they are unable to attend the meeting.	
22nd Meeting (22.01.2009)	Desired to have some more information/ clarification for further consideration of the committee.	
26th Meeting (14.05.2009)	It was informed that the project has been considered in the 23rd, 24th and 25th inter-state meetings of the Maharashtra and Madhya Pradesh Govt and has been approved. The committee accepted the minutes of inter-state meetings and decided that separate NOC from the project authority was not required. Recommended for pre-construction activities & approved the TORs.	
51 st Meeting (15-16.07.11) EC	The Project proposal shall be reconsidered after submission of requested information.	
52nd Meeting (16-17.09.2011)	The Project proposal shall be reconsidered after submission of requested information.	
53rd Meeting (11-12.11.2011)	Recommended the project for environment clearance.	

Malshej Ghat Pumped Storage Scheme

Dist/ State	Pune & Thane/ Maharashtra	
River/ Basin	Kalu	
Proposal	TOR	
Developer	THDC & NPCIL	
Height of dam (m)	Lower Dam (NA) & Upper Dam (NA)	
Installed Cap (MW)	600	
Area Req (Ha)	49.4 + 461.66	
Forest Land (Ha)	49.4 + 174	
Decision		
18th Meeting (21-22.08.2008)	-The project area lies between two wildlife sanctuaries namely Bhimashankar and Harishchandra Ghat. Both the sanctuaries are more than 10 km away from the proposed site. After considering all the issues the committee desired clarification on requirement of forest land in respect of lower dam. It was estimated that the reservoir size of lower dam could be around 20 ha only. The project authority has requested to clarify why 49 ha of forest land is required for lower dam. Keeping in view that forest land can not be used for construction of colony or muck dumping. The details of land use classification to be indicated clearly. Approved the proposed TOR with some addition.	

Ekrukha Lift Irrigation Scheme

Dist/ State	Solapur/ Maharashtra	
River/ Basin	Adhila/ Krishna	
Proposal	TOR	
Command area (Ha)	25,240	
Area required (Ha)	Private Land	176
Decision		
33rd Meeting (15-16.12.2009)	The project authority has intimated their inability to attend the meeting as Assembly Session of State Govt is going on.	
35th Meeting (18-19.02.2010)	Desired information/clarification on some more issues.	
38th Meeting (30.06.2010)	The proponent did not attend the meeting.	
39 th Meeting (17.07.2010)	Approved the TOR with some additional TORs and recommended clearance for pre-construction activities.	

Expansion of Krishna - Koyna Lift Irrigation Project

Dist/ State	Sangli & Solapur Districts / Maharashtra	
River/ Basin	Krishna	
Proposal	Env Clearance	
Developer	Maharashtra Krishna Valley Development Corporation	
Irrigation (Ha)	40219 (additional than existing 68908)	
Submergence area (Ha)	102.785	
Area required (Ha)	1173	
Decision		
8th Meeting (14-15.11.2007)	The Krishna Koyna Lift Irrigation Scheme was originally initiated in 1984 and was accorded EC on 1st June 1989 and augmented in different phases, based on approvals from Govt of Maharashtra as well as environmental clearance from the Ministry of Environment and Forests (MoEF) for irrigating 68908 ha irrigable command area. The present proposal is for expansion to irrigate about 40219 ha irrigable command area without constructing any new storage facility or diversion structures on River Krishna. Desired to have some more information.	
9 th Meeting (13-14.12.2007)	Approved the TOR and recommended clearance for pre construction activities.	
24th Meeting (19-20.03.2009)	Recommended environmental clearance to the project with some conditions.	
27th Meeting (15-16.06.2009)	Recommended environmental clearance to the project.	

Janai Shirsai Lift Irrigation Scheme	
Dist/ State	Pune/ Maharashtra
River/ Basin	Krishna
Proposal	TOR
Developer	MKVDC
Irrigation (Ha)	8350+5730
Decision	
17th Meeting (21-22.08.2008)	The existing water tanks at Warwand and Shirsuphal will be revived by a feeder canal from the existing New Mutha Right Bank Canal which is coming from Khadakwasla Dam. - The Janai scheme is designed to lift water from Warwand tank in three stages to irrigate an area of 8350 ha from Baramati, Daund and Purandar talukas while in Shirsai Scheme, water from the Shirsuphal tank will be lifted to the delivery point to irrigate an area of 5730 ha of Baramati taluka. - The Right Bank Canal of the Janai Lift Irrigation Scheme is passing through the Mayureshwar Wildlife Sanctuary. - The clearance of passing the canal through the sanctuary area has been granted by the Supreme Court in March, 2007. - The committee was of the opinion that this is a Hypothetical proposal and desired to have some clarifications on environment related issues. (As per available reports this project has already been completed and functioning.)

Jihe Kathapur Lift Irrigation	
Dist/ State	Satara/ Maharashtra
River/ Basin	Krishna
Proposal	Env Clearance
Developer	MKVDC
ICA (Ha)	27500
Area Req (Ha)	218.46
Forest Land (Ha)	0.84
Decision	
9th Meeting (13-14.12.2007)	- The project was started in the year 2000 and after six months the work was stopped due to paucity of funds. Thereafter during 2004 proposal for site clearance was submitted for investigation and survey, which was accorded by the Ministry on 13.2.2004. The project is to be considered as per the provisions of 1994 EIA notification. - It was noted that the scheme is to lift 3.17 TMC of water in 3 stages by constructing Kolhapur type weir. - Forest clearance has been accorded on 26.7.2004. Public hearing was conducted on 29.5.2007, Desired more information.
14th Meeting (07-08.05.08)	Recommended environmental clearance to the project.

Krishna Marathwada Irrigation Project	
Dist/ State	Osmanabad/ Maharashtra
River/ Basin	Krishna
Proposal	TOR
CCA (Ha)	92141
Area Req (Ha)	2819.70
Decision	
19th Meeting (15-16.10.2008)	- Noted that the proposed project envisages using of 19 TMC water from the existing Ujjani Reservoir (of which 8 TMC is already being available in the form of Bhima-Sina Link Canal and will be tapped by construction of a barrage) to irrigate an area of 92141 ha. Desired some clarifications/ information. Approved the proposed TORs along with some additional TORs which are to be included.

Purander Lift irrigation	
Dist/ State	Maharashtra
River/ Basin	Mula-Mutha
Proposal	TOR
Developer	Govt of Maharashtra
CCA	21500
Forest Land (Ha)	1.9
Decision	
8th Meeting (14-15.11.2007)	Approved the TOR and requested the PA to resubmit the TOR after incorporating the requested points.

Shirapur Lift Irrigation Scheme	
Dist/ State	Solapur District / Maharashtra
River/ Basin	Bhima/ Krishna
Proposal	TOR
Developer	Water Resource Department , Pune
Command area (Ha)	10,000
Area required (Ha)	507.43

	Forest Land	158.43
Decision		
49th Meeting (29-30.04.2011)	- The Wildlife Sanctuary for Great Indian Bustard is within the command area. The clearance from the NWBL will have to be obtained before submitting for final EC. The project involves forest land therefore, Stage I Forest Clearance needs to be applied for before issue of TORs. The project proposal shall be reconsidered for scoping and TORs after submission of the above and some other requested information, specifically the stage-I Forest Clearance.	
63 rd Meeting (26-27.12.2012)	The project proponent did not attend the meeting and hence project was not considered.	

Thembu Lift Irrigation Project

Dist/ State	Kolhapur/ Maharashtra
River/ Basin	Krishna
Proposal	Env Clearance
Developer	Maharashtra Krishna Valley Development Authority
Decision	
3 rd Meeting (22.06.2007)	The revised proposal with public hearing report has been submitted. However all members did not receive the documents. The discussion on the proposal was deferred for next meeting. Construction started in 1996, in violation of the EIA notification 1994.
4 th Meeting (18-19.07.2007)	Recommended environmental clearance to the project, after taking all relevant matter in to consideration.

Wakurde Lift Irrigation Scheme

Dist/ State	Sangli/ Maharashtra
River/ Basin	Warna
Proposal	Env clearance
Command area (Ha)	28,035
Area required (Ha)	865
Decision	
19th Meeting (15-16.10.2008)	Public hearing was held on 13th August, 2008. The proposal received in the Ministry on 10th September, 2008 before expiring the date for receiving the proposal under EIA Notification, 1994. Desired to have some clarifications/ information.
35th Meeting (18-19.02.2010)	The Committee requested some more information for further consideration.
38th Meeting (30.06.2010)	Due to paucity of time discussion on the proposal was deferred for the next meeting.
39th Meeting (17.07.2010)	Recommended environmental clearance to the project.

Humbarli Pumped Storage Scheme

Dist/ State	Maharashtra
River/ Basin	Krishna
Proposal	TOR
Developer	THDC & NPCL
Installed Cap (MW)	400
Decision	
29th Meeting (19.08.2009)	- Noted that this proposal was earlier submitted by the Govt of Maharashtra to this Ministry for site clearance which was rejected by the Ministry in the year 2000 as the major project area (75.84 ha of the total 108.85 ha) was lying within Koyna Wildlife Sanctuary. - In the revised proposal alternative location has been identified which is 1500 metre upstream of the previous location and area under KWLS has been greatly reduced. In the revised proposal the total land requirement is 70.80 ha of which 23.177 ha is forest land consisting 19.177 ha of KWLS and 47.623 ha is private. Approved the proposed TOR and suggested to incorporate some more TORs. The proposed site could not be recommended for clearance as area of Wildlife Sanctuary is involved which needs to be cleared by the Supreme Court.

Hydro Generation Augmentation Project at Bhira

Dist/ State	Raigad/ Maharashtra
River/ Basin	Mulshi lake
Proposal	Env clearance
Developer	Tata Power Co.
Height of dam (m)	NA
Installed Cap (MW)	100 MW (increase in capacity from From 300 to 400 MW)
Decision	
4 th Meeting (18-19.07.2007)	The existing power station is fed by Mulshi lake. In the past there are instances of overflow of this lake and causing floods in parts of the Pune district. In order to avoid spilling the live storage capacity and concurrently transfer water at a higher rate by augmenting the capacity. It does not involve any land acquisition, rehabilitation and resettlement and additional submergence. The committee stated that PH is a statutory requirement under EIA notification 2006. The project authority may come back after completing the public hearing procedure.

Bodwad Parisar Sinchan Yojana

Dist/ State	Jalgaon/ Maharashtra
River/ Basin	Tapi

Proposal	TOR (on 16-17.02.2009)	
Proposal	Env Clearance	
Developer	TAPI Irrigation Development Corporation	
Command Area (Ha)	42,420	
Total area required (Ha)	1729.64	
Submergence area (Ha)	1029	
	Forest Land	507.31
Decision		
23rd Meeting (16-17.02.2009)	Approved the TOR with some additional TORs. Revised TOR incorporating some points to be submitted to the Ministry.	
28th Meeting (28-29.07.09)	<p>- The total command area of the project is 42,420 ha. Out of which 26,721 ha is in Jalgaon district and 15,699 ha is in Buldhana district. Public hearing was conducted in Jalgaon district on 23rd July, 2009.</p> <p>- It was brought to the notice of the representatives of Project proponent that there is procedural lapse in respect of Public hearing. As per EIA Notification, 2006 Public hearing is to be conducted district wise. As the project is located in two districts, Public hearing in Buldhana district has to be conducted. Further, soft and hard copy of the draft EIA report along with the summary EIA report needs to be submitted to the Ministry for displaying in the Ministry's web site which has not been done. Members of the EAC informed that the documents received by them only a couple of days before the meeting. Hence they did not get time to study the report.</p> <p>- In respect of base line data for monsoon season, it was informed that up to 15th July, 2009 monsoon season data has been collected and presented in the public hearing. However, it could not be followed /clarified how this data could be incorporated in the draft EIA report, which was submitted to Maharashtra Pollution Control Board during June, 2009 for conducting Public hearing. The proponent agreed to resubmit the proposal after collecting the monsoon season data till Sept and after conduct the public hearing. As furnishing the revised report along with Public hearing proceeding is likely to take more than three months time, the committee suggested to close the file as per procedure adopted by the Ministry.</p>	
35th Meeting (18-19.02.2012)	Forest clearance issued on 11th March, 2002. The EAC recommended environmental clearance with some conditions.	

Kurha Badoda Islampur Upsa Sinchan Yojana

Dist/ State	Jalgaon and Buldana / Maharashtra	
River/ Basin	Tapi	
Proposal	TOR	
Developer	TAPI Irrigation Development Corporation	
Command Area (Ha)	6255+8331 (14586)	
Decision		
23rd Meeting (16-17.02.2009)	As some of the members of the committee have not received the copy of documents, it will be considered in next meeting.	
24th Meeting (19-20.03.2009)	The TOR approved for Bodwad Parishar Sinchan Yojana shall be followed for this project also. In addition, some suggested issues should also be included.	

Lower Pedhi irrigation project

Dist/ State	Amravati/ Maharashtra	
River/ Basin	Pedhi/ Tapi	
Proposal	Env Clearance	
Developer	Irrigation Dept, Govt of Maharashtra	
Height of dam (m)	19	
CCA (Ha)	12230	
Area Req (Ha)	2532	
Submergence area (Ha)	2532	
Village affected	7 (4320 PAPs)	
Decision		
3 rd Meeting (22.06.2007)	The project authority did not attend the meeting neither they had send the documents to all the members of the EAC.	
6 th Meeting (20.09.2007)	Committee was of the opinion that the text on EIA & EMP is poorly written. Hydrological consumption for formulating the project are unclear and with factual errors. The committee desired information/clarification on some aspects. Would be considered after the requested information is furnished.	
9 th Meeting (13-14.12.2007)	Recommended environmental clearance subject to furnishing of some more information.	

Lower Tapi Lift Irrigation Project

Dist/ State	Jalgaon District/ Maharashtra	
River/ Basin	Tapi	
Proposal	Reconsideration for TOR	
Developer	Tapi Irrigation Department Corporation	
Height of dam (m)	25.35	
CCA (Ha)	54500	
Area required (Ha)	6913.25	
	Forest Land	3.12

	Villages affected	17
Decision		
32 nd Meeting (16.11.09) For TOR	All the members of the committee informed that the copy of the document related to project has not been received till date.	
33 rd Meeting (15-16.12.2009)	Project proponent has informed they need three months time to prepare the reply.	
38 th Meeting (30.06.2010)	Recommended clearance for pre-constriction activity and approved the TOR.	
63 rd Meeting (26-27.12.2012) EC	The Committee raised some issues. Suggested that all requisite documents complete in all manner incorporating requested information may be submitted for further consideration of the project.	

Madhya Pradesh

Kundaliya Major Irrigation Project		
Dist/ State	Rajgarh and Shajapur Districts/ Madhya Pradesh	
River/ Basin	Kalisindh	
Proposal	TOR	
Developer	Water Resource Department, Bhopal, Govt of Madhya Pradesh	
Height of Dam (m)	44.50	
Drinking water supply	18 MCM	
Industrial Water Supply	84 MCM	
Diversion	1037 cumecs of Lakhundar River to river Kalisindh	
Live storage capacity	495.20 MCM	
CCA (Ha)	58040	
Catchment Area (sq km)	4900	
Submergence area (Ha)	7476	
Villages affected	56 (8630 persons)	
Forest land	680 ha	
Decision		
52 nd Meeting (16-17.09.2011)	Desired some more info.	
53 rd Meeting (11-12.11.2011)	It was decided that the project shall be discussed again along with the information submitted by the M.P. Govt. The Committee felt that considerable area of forest land is to be submerged in the project (680 ha). The forest maps provided as a part of additional information lack clarity.	
54 th Meeting (26-27.12.2011)	Recommended scoping clearance and TORs with some suggestions/comments.	

Mohanpura Major Irrigation Project		
Dist/ State	Rajgarh / Madhya Pradesh	
River/ Basin	Newaj	
Proposal	TOR	
Developer	Water Resource Department, Bhopal, Govt of Madhya Pradesh	
Height of Dam (m)	47.90	
Drinking water supply	20 MCM	
Industrial Water Supply	60 MCM	
CCA (Ha)	65,000	
Submergence area (Ha)	7051	
Area required (Ha)	NA	
	Villages affected	36 (1800 families) (10,240 persons)
	Forest Land	NO
Decision		
52 nd Meeting (16-17.09.2011)	Decided that some additional information may be submitted	
53 rd Meeting (11-12.11.2011)	No effective discussion on the parameters of the project could be made and it was decided that the project shall be discussed again along with the information submitted by the M.P. Govt.	
54 th Meeting (26-27.12.2011)	Recommended scoping clearance and TORs with the same comments and observations made for Kundaliya Project.	

Punasa Lift Irrigation Scheme		
Dist/ State	Madhya Pradesh	
River/ Basin	Narmada main canal head	
Proposal	Env Clearance	
Developer	NVDA	
CCA (Ha)	35008	
Decision		
2 nd Meeting (16.05.2007)	Recommended environmental clearance to the project.	

Sip Kolar Link Medium Irrigation Project	
Dist/ State	Sehore District /Madhya Pradesh
River/ Basin	Narmada
Proposal	TOR
Developer	Water Resources Department, Govt of Madhya Pradesh
Height of dam (m)	18
CCA	6,400
Forest Land (Ha)	39.92
Decision	
61 st Meeting (12-13.10.2012)	Noted that the Sip Kolar project is a diversion project proposed to augment existing Kolar reservoir. The existing Kolar project was granted environmental clearance on 6.4.1984 by the Ministry and the project was completed in 1989. The forest clearance was granted on 10.6.2009, subject to implementation of certain conditions. One of the conditions was with regard to obtaining the Environmental Clearance for the project. As this is a medium sized irrigation project, the proposal was submitted to SEIAA. However, the SEIAA returned the proposal as the original proposal was cleared by the MOEF. After detailed scrutiny and examination of all relevant issues on environment, the committee recommended scoping clearance for the project. The Committee found that this is an extension of the already approved Kolar project for which EC was granted in 1984. Thus the committee decided to consider the additional scope of work and their related environmental safeguard measures only.

Upper Narmada Project	
Dist/ State	Dindora/Madhya Pradesh
River/ Basin	Narmada
Proposal	Env Clearance
Developer	Govt of MP
Height of dam (m)	30.64
CCA (Ha)	3879+17397
Submergence area (Ha)	2952
Villages affected	27 (849 PAFs)
Decision	
1 st Meeting (18.04.2007)	Noted that except CAT all baseline data related to the project has been collected and compiled. Propose some additional TORs.
27 th Meeting (15-16.06.2009)	Desired clarification, reconciliation or correction on some issues. For Omkareshwar Multipurpose Project which was accorded EC during 1993, the land is being acquired in 2009 under emergency clause of Land Acquisition Act, 1894. In view of this the committee desired that action plan for rehabilitation and resettlement of project affected persons of Upper Narmada Irrigation Project to be submitted.
29 th Meeting (19.08.2009)	- It was noted that action plan for R&R plan shows that from land acquisition to resettlement will be completed in 36 months. It was clarified by the proponent that the zero month will start after getting all the clearances from the Central Govt and more specifically from the day of issue of tender. Recommended environmental clearance.

Halon Irrigation Project	
Dist/ State	Mandla/ Madhya Pradesh
River/ Basin	Halon/ Narmada
Proposal	Env Clearance
Developer	Narmada Valley Development Authority
Height of dam (m)	31
CA (Ha)	16782
Submergence area	1680.11
Area required (Ha)	2220.11
Forest Land	149.33
Private Land	1413.02
PAPs	1577
Decision	
26 th Meeting (14.05.2009)	The project is located in the districts namely Balaghat & Mandla, whereas the public hearing is conducted for Balaghat District only. The committee, therefore, desired Public Hearing to be conducted as per the procedure prescribed in the EIA Notification, 2006 district wise. Desired additional information/clarifications on some issues. - It was decided that the proposal be brought back before the committee for its further consideration. In the meantime, Ministry may examine the matter whether the case has to be referred to the National Board for Wildlife as Kanha National Park is located in the buffer zone at a distance of 7 km from proposed site.
27 th Meeting (15-16.06.2009)	- It was found that instead of conducting public hearing in Mandla district the project authority has intimated that the District Magistrate/ Collector of Mandla district also attended the public hearing which was held on 12 th February, 2009 in Balaghat district. This was not accepted by the committee as per EIA Notification, 2006 district-wise public hearing is to be conducted. As such the committee directed the project authority to undertake public hearing in Mandla district.
30 th Meeting	Noted that several persons have objected against implementation of the project. The questions raised by the villagers have not been replied

(14.09.2009)	properly. The proponent agreed that the reply has not been recorded correctly.
32ND Meeting (16.11.2009)	The revised public hearing proceeding submitted by the proponent was examined and the reply was accepted by the EAC. Recommended environmental clearance to the project.

Integrated Raghavpur, Rosara, Basania (RRB) with Bargi Multipurpose Project

Dist/ State	/ Madhya Pradesh	
River/ Basin	Narmada	
Proposal	TOR	
Developer	Govt of Madhya Pradesh	
Height of dam (m)	3 dams (Raghavpur, Rosara and Basania are 52.5 m, 61.5 m and 42.5 m respectively)	
Submergence area (Ha)	8367	
Area required (Ha)	Forest Land	629
Decision		
40th Meeting (20-21.08.2010)	Desired some more information for further consideration.	

Bauras HEP

Dist/ State	Raisen/ Madhya Pradesh	
River/ Basin	Narmada	
Proposal	TOR	
Developer	NHDC	
Height of dam (m)	24	
Installed Cap (MW)	55 (3 x 18.33 MW)	
Submergence area (Ha)	6554.22.44	
Decision		
8th Meeting (14-15.11.2007)	Though there is habitation around the project area, but drinking water provision is not a component of the project. Missing drinking water component to be included, if not the reasons may be given.	
12 th Meeting (17-18.03.08)	Desired some more information should be included in the revised report:	
16th Meeting (16-17.07.2008)	<ul style="list-style-type: none"> - The project authority vide letter dated 24th June, 2008 intimated that Detailed methodology for socio-economic survey and preparation of R&R land for Rehabilitation & Resettlement of the project affected families need not be included in the scoping of TOR as R&R is not included in environment under the 1986 Act. - The Committee, categorically stated that the detailed study/ socio-economic survey for preparation of R&R Plan has to be done irrespective of which policy they are adopted for paying compensation to the affected people. However, the package should not be less than the package offered in the NRRP, 2007. - The project authority was requested to resubmit the TOR including the R&R issue. 	

Handia HEP

Dist/ State	Sehore/ Madhya Pradesh	
River/ Basin	/ Narmada	
Proposal	TOR	
Developer	NHDC	
Height of dam (m)	24	
Installed Cap (MW)	51 (3x17)	
Catchment area (sq km)	51866	
Submergence area (Ha)	3190.44	
Forest Land (Ha)	6.7	
Decision		
8th Meeting (14-15.11.2007)	Though there is habitation around the project area, but drinking water provision is not a component of the project. Missing drinking water component to be included, if not the reasons may be given. Cumulative impact of 1st project on 2nd and 1st & 2nd on third to be brought out. The proposal needs to be resubmitted as the proposed site will be changed to a new site which may be 25 Km away from the present site.	

Hoshangabad HEP

Dist/ State	Madhya Pradesh	
River/ Basin	/ Narmada	
Proposal	TOR	
Developer	NHDC	
Height of dam (m)	24	
Installed Cap (MW)	60 (3x20)	
Submergence area (Ha)	8906.97	
Village affected	23 (12 in Sehore & 11 in Hoshangabad) (15736 PAPs)	
Decision		

8th Meeting (14-15.11.2007)	Though there is habitation around the project area, but drinking water provision is not a component of the project. Missing drinking water component to be included, if not the reasons may be given.
12th Meeting (17-18.03.08)	- The committee pointed out that some information are still lacking in the revised document.
16 th Meeting (16-17.07.08)	- The project authority vide letter dated 24th June, 2008 intimated that Detailed methodology for socio-economic survey and preparation of R&R land for Rehabilitation & Resettlement of the project affected families need not be included in the scoping of TOR as R&R is not included in environment under the 1986 Act. - The Committee, categorically stated that the detailed study/ socio-economic survey for preparation of R&R Plan has to be done irrespective of which policy they are adopted for paying compensation to the affected people. However, the package should not be less than the package offered in the NRRP, 2007.

Lower Goi irrigation project

Dist/ State	Barwani/ Madhya Pradesh
River/ Basin	Goi/ Narmada
Proposal	Env Clearance
Developer	NVDA
Height of dam (m)	43.8
CCA (Ha)	13760
Drinking Water (TCM)	425
Industrial water (TCM)	5,575
Submergence area (Ha)	1279
Village affected	(696 PAFs)
Decision	
1 st Meeting (18.04.2007)	Desired to have some more information.
9 th Meeting (13-14.12.2007)	Recommended environmental clearance to the project.

Morand and Ganjal Complex Irrigation Project

Dist/ State	Hoshingabad, Madhya Pradesh
River/ Basin	Morand and Ganjal Rivers
Proposal	TOR
Developer	Narmada Valley Development Authority
CCA (Ha)	58,052
Drinking Water (MCM)	15.15
Catchment Area (sq km) Morand dam	1031.99
Catchment Area (sq km) Ganjal dam	413.49
Decision	
55 th Meeting (10-11.02.2012)	The proposal shall be reconsidered after receipt of requested information & hard copies of the documents by all the members.
58 th Meeting (01-02.06.2012)	- The Committee felt that the entire project along with point-wise reply may be presented again.
59 th Meeting (20-21.07.2012)	The Committee had desired certain additional information which was presented by NVDA. Recommended Scoping Clearance and approved ToRs with some suggestions.

Chinki Multipurpose Project

Dist/ State	Narsingpur/ Madhya Pradesh
River/ Basin	Narmada
Proposal	TOR
Developer	NVDA
Height of dam (m)	35.5
Installed Cap (MW)	15
CCA (Ha)	73,979
Area Req (Ha)	4150
Submergence area (Ha)	3250
Decision	
58 th Meeting (01-02.06.2012)	It is the sixth project on main Narmada River from its origin. The project location is 16 km from Narsinghpur district, near village Pipariya. - The design flood (PMF) for the Project has been estimated as 67,000 cumec from the catchment of 8,802 sq. km. Recommended scoping clearance for pre-construction activities and approve the proposed TOR along with some additional TORs.

Barrage on Gopad River

Dist/ State	Singrauli/ Madhya Pradesh
River/ Basin	Gopad/ Son
Proposal	TOR
Developer	Jaiprakash Power Ventures Limited
Purpose Of the weir	Providing water for 2X660 MW Thermal Power Plant

Catchment Area (Sq Km)	3342	
Submergence (Ha)	553.6	
Area required (Ha)	Forest Land	2
Decision		
51 st Meeting (15-16.07.2011)	Cleared the proposal for pre-construction activities and approved the proposed ToRs with some additional information.	

Bansujara Dam Project

Dist/ State	Tikamgarh/ Madhya Pradesh	
River/ Basin	Dhasan	
Proposal	TOR	
Developer	Water Resource Department/ Govt of Madhya Pradesh	
Height of dam (m)	47.90	
Catchment area (sq km)	3331.77	
CCA (Ha)	49,373	
Area Req (Ha)	5201.7	
Forest Land (Ha)	57.49	
Village affected	21 (24,655 PAPs)	
Decision		
59 th Meeting (20-21.07.2012)	Recommended general ToRs for the project.	

Ghogra Minor Irrigation Project

Dist/ State	Sehore/ Madhya Pradesh	
River/ Basin	Ajanal	
Proposal	TOR	
Developer	Water Resources Dept/ Madhya Pradesh	
Height of dam (m)	17.5	
Catchment area (sq km)	26.75	
CCA (Ha)	1650	
Decision		
59 th Meeting (20-21.07.2012)	The projects is a 'B' category project, however, since submergence area of this project falls within 10 km periphery of Kheoni Wildlife Sanctuary which is at 8.75 km from the outer limit of submergence area hence considered at the Central level. The Committee was of view that the project size is so small and NBWL and forest clearances are already available, collection of three season baseline data shall be waste of time and efforts. Recommended general ToRs for the project.	

Lower Orr Project/Ken Betwa Link Phase -II

Dist/ State	Shivpuri District of Madhya Pradesh	
River/ Basin	Orr/ Yamuna	
Proposal	TOR	
Developer	NWDA	
Height of dam (m)	34.031	
Catchment area (sq km)	1843	
CCA (ha)	44791	
Submergence area (Ha)	2626.57	
Forest Land (Ha)	968.24	
Village affected	12 (240 PAFs)	
Decision		
53 rd Meeting (11-12.11.2011)	<p>Desired to know the link between the two phases which could not be explained with clarity.</p> <ul style="list-style-type: none"> - It was noted that Phase II of Ken Betwa comprises of 13 major/medium/minor projects and the present proposal is for Lower Orr Major Project for which DPR has been prepared by M.P. State Govt. in 1987. - The Project may be named only as Lower Orr Project rather than naming as Ken Betwa Phase II, which has so many projects. The TORs shall be considered only for this project as an independent scheme rather than for the whole Phase II. - The Committee felt that River interlinking is not a routine activity in India. To examine the impact of physical transfer of water, the water environment of both the donor and the recipient regions is to be clearly understood. Therefore, PFR should clearly indicate complete picture of the water availability and the present water usage of the concerned rivers along with the scenario after the transfer of water takes place. - The proposal shall be considered only on submission of updated PFR and Form-1 along with the requested information. 	
63 rd Meeting (26-27.12.2012)	<p>The project was earlier considered by the EAC in its meeting held on 11-12th November, 2011. Noted that the project details submitted earlier under Ken-Betwa Link Phase-II was not clear. It was also noted that the project involves more than 968 ha of forest land which will come under submergence due to construction of Orr dam in the project. Information on flora and fauna of this area has not been provided in Form-1. This should at least from secondary sources. The Committee after detailed discussions on the project observed some issues.</p> <p>The project will be implemented by Govt of Madhya Pradesh and the NWDA is the consultancy agency. The Govt of Madhya Pradesh should depute the project implementing agency and it would be advisable that the agency concerned submit documents directly to the Ministry of Environment & Forests. The role NWDA in obtaining TOR while they will not be the project proponent was found to be obfuscating to the</p>	

EAC. The committee observed that the documents are incomplete.
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Ken-Betwa River Linking Project (Phase-I)

Dist/ State	/ Madhya Pradesh
River/ Basin	Ken, Betwa/ Yamuna
Proposal	TOR
Developer	NWDA
Canal (km)	231
Decision	
45th Meeting (20-21.12.2010)	<p>- Noted that this proposal relates to inter-basin water transfer. The proposed link involves construction of a dam across river Ken near village Daudhan. Water will be transferred through a 231 km long canal (including 2 km tunnel) into existing Barwa Sagar reservoir, from where the diverted water will join Betwa river through Barwa Nalla. The proposed dam site is within the Panna Tiger Reserve.</p> <p>- Ken-Betwa Link River Project now would be completed in two phases. Phase-I comprising Daudhan dam, power house, link canal and other related components would be taken up first.</p> <p>The project will be implemented by the Govt of Madhya Pradesh, however the TOR to be prepared by NWDA for arranging public hearing due to submergence of Daudhan Dam and for Forest and Environmental clearance of Phase-I of Ken-Betwa Link Project. Approved the TOR with some additional conditions.</p>

Pancham Nagar Multipurpose Project

Dist/ State	Damoh and Sagar Districts/ Madhya Pradesh	
River/ Basin	Bewas River	
Proposal	TOR	
Developer	Water Resource Dept, Sagar, Govt of Madhya Pradesh	
Installed capacity (MW)	10	
Height of Dam (m)	40.24	
FRL of dam (m)	445.02	
Height of weir	20.58	
FRL of weir (m)	375.50	
Catchment area (sq km)	1096.36	
CCA (Ha)	17,700	
Area required (Ha)	1685	
	Villages affected	13 (782 families)
	Forest Land	191.72
Decision		
52nd Meeting (16-17.09.2011)	Requested some more info.	

Bina Complex Irrigation and Multipurpose Project

Dist/ State	Sagar/ Madhya Pradesh	
River/ Basin	Bina and Dhasan	
Proposal	Env clearance	
Developer	Water Resource Department, Sagar, Madhya Pradesh	
Installed Capacity (MW)	32 (2x11 MW) and (2x5 MW)	
Height of Dam-1 (m)	23.5 (on Bina River) Madia Earthen Dam	
Height of Dam-2 (m)	21.6 (on Dhasan River) Dhasan Earthen Dam	
Height of Dam-3 (m)	35 (on Dehra Nala) Dehra Dam - Concrete Gravity	
Height of Dam-4 (m)	25 (on Bina River) Chakarpur Dam	
Catchment Area (sq km)	1853 – (1139 Sq. Km is for Madia Dam), (464.5 Sq. km for Dhasan Dam), (62.50 Sq. km for Dehra Dam) and (187.00 Sq. Km for Chakarpur Dam)	
Area required (Ha)	Submergence area	11,673.87
	Villages affected	69
	Forest Land	702.03
Decision		
11th Meeting (20-21.02.2008)	Some points should be clarified and incorporated in the TOR. Some discrepancies were pointed out in the report, which should be clarified.	
14th Meeting (07-08.05.2008)	Revised TOR incorporating the suggested issues may be submitted to the Ministry. Ministry may process the proposal for approval of TOR on the receipt of the complete information.	
55th Meeting (10-11.02.2012)	<p>The Committee felt that it is not clearly stated how many families will be displaced. The details of PAF survey given in the Appendix do not indicate total number of families/persons. No budget for R&R plan is given in the EMP.</p> <p>- The Committee expressed its displeasure and unhappiness on the most casual way the EIA/EMP has been prepared. No relevant information has been provided in the EIA/EMP report for appraising the project. The Committee felt that the whole report needs to be redone with requested specific information.</p>	

Kalisindh Major irrigation project	
Dist/ State	Sajapur/ Madhya Pradesh
River/ Basin	Kalisindh
Proposal	TOR
Developer	Water Resources Department, Govt of Madhya Pradesh
CCA	49023
Submergence area (Ha)	4239
Area Req (Ha)	4919
Village affected	15 (2384 PAFs)
Decision	
61 st Meeting (12-13.10.2012)	Sought some additional information.
62 nd Meeting (23-24.11.2012)	Recommended clearance for pre-construction activities and approved the TOR with some additional TORs.

RAJASTHAN

Parwan Major Irrigation-cum-drinking water supply project	
Dist/ State	Jhalawar/ Rajasthan
River/ Basin	Parwan
Proposal	Env Clearance
Developer	Govt of Rajasthan
CCA (Ha)	1,31,400
Height of dam (m)	38
Submergence area (Ha)	9810
Irrigation water (MCM)	302
Drinking water (MCM)	16 (for sanctuary) + 50 (820 villages)
Submergence area (Ha)	9810
Area required (Ha)	Forest Land 1608.59 PAFs 3002 (47 villages)
Decision	
40th Meeting (20-21.08.2010)	Desired some more information for further consideration.
45th Meeting (20-21.12.2010)	Recommended EC and suggested that Ministry may process the proposal for EC after receipt of the revised Dam break analysis and information on break up of categories of PAPs.

INTER STATE PROJECTS

Lendi Major Irrigation Project	
Dist/ State	Nanded/ Maharashtra- Nizamabad/ Andhra Pradesh
River/ Basin	Lendi River
Proposal	Env Clearance
Developer	Godavari Marathwada Irrigation Development Corporation, Govt of Maharashtra
Height of dam (m)	27.83
CCA (Ha)	59,000 {MH (27,000), AP (22,000)???? [28286 (in 6 th meeting report) {16950 (MH)+11336(AP)}]}
Catchment Area (Sq Km)	1594
Submergence Area (Ha)	3052
Area required (Ha)	2621.42
Decision	
6 th Meeting (20.09.2007) For scoping	Suggested some more TORs. EAC desired that next time, representative of Andhra Pradesh irrigation dept should also attend the meeting.
35 th Meeting (18-19.02.2010)	The Project Authority is to address some more issues.
53 rd Meeting (11-12.11.2011)	The discussions on the project could not be held due to poor quality of presentation material which was almost illegible.

Bandra Nala Project under the Tillari Hydropower Project Phase-II	
Dist/ State	Kolhapur District of Maharashtra
River/ Basin	Bandra Nala
Proposal	TOR
Developer	Water Resource Development Department, Govt of Maharashtra
Height of dam (m)	40.7
Area Req (Ha)	152

Forest Land (Ha)	125
Decision	
58 th Meeting (01-02.06.2012)	Recommended Scoping Clearance for pre-construction activities and approved draft TOR with additional TORs.

Bhandora Nala Project under the Tillari Hydropower Project Phase- II	
Dist/ State	Kolhapur District/ Maharashtra
River/ Basin	Bhandora Nalla
Proposal	TOR
Developer	Water Resource Development Department, Govt of Maharashtra
Height of dam (m)	40
Area Req (Ha)	286.08 (255.08 Ha from Maharashtra & 31 Ha from Karnataka)
Forest Land (Ha)	232.58
Decision	
58 th Meeting (01-02.06.2012)	This project also falls in Maharashtra and Karnataka States. Recommended Scoping Clearance for pre-construction activities and approved draft TOR along with additional TORs.

Pale Parmar Nalla Project under the Tillari Hydropower Project Phase-II	
Dist/ State	Kolhapur District/ Maharashtra
River/ Basin	Pale Parmar Nalla
Proposal	TOR
Developer	Water Resource Development Department, Govt of Maharashtra
Height of dam (m)	35.56
Area Req (Ha)	203.99 (77.12 in Maharashtra & 126.87 Ha in Karnataka)
Forest Land (Ha)	190.4 (70.38 in Maharashtra & 120.02 Ha in Karnataka)
Village affected	39 PAFs
Decision	
58 th Meeting (01-02.06.2012)	The Dam on Pale Parmar Nalla will be in Karnatak and Maharashtra States. In Karnataka State, it will be in Village Dhamne of Belgaum Taluka and in Maharashtra State, it will be in Kalasgade village of Chandgad Taluka. Recommended Scoping Clearance for pre-construction activities and approved draft TOR for preparation of EIA/EMP report along with some additional TORs.

Par-Tapi - Narmada Link Project	
Dist/ State	Nasik District in Maharashtra and Valsad District in Gujarat
River/ Basin	Par, Tapi, Narmada
Proposal	TOR
Developer	NWDA
Height of dam (m)	3 weirs & 7 composite dams
CCA (Ha)	1,88,414 (17,411 ha is enroute command in the reach between Par and Tapi, 23,940 ha enroute command in the reach between Tapi and Narmada and the balance 1,47,063 ha lies in the Narmada command under the ongoing SSP)
Submergence Area (Ha)	7560
	Forest Land 3570
	Villages affected 75 (14800 PAPs)
Decision	
20 th Meeting (02-21.11.2008)	- Noted that the project comprises of 7 composite dams, 3 weirs, a tunnel interconnecting Mohankavchali reservoir with Paikhed weir, 6 power houses and a canal. The Par-Tapi portion of the link canal traverses through six basins of west flowing rivers viz. Par, Auranga, Ambica, Purna, Mindhola and Tapi. - Noted that it is mentioned in the document that the alternative sites will be investigated during the course of field surveys and investigations. It was felt this will make the present TOR in fructuous if there is a major change in the alignment details of the links and the location of this structure due to relocating the project to one of the alternative sites. - It was also noticed that the project affected people are not beneficiary from the project. The project authority is requested to revise the TOR on the basis of comments and submit the same to the Committee.
22 nd Meeting (22.01.2009)	Desired to have some more clarification.
26 th Meeting (14.05.2009)	Recommended clearance for pre-construction activities and approved the TORs.

South India

ANDHRA PRADESH

Dr. B.R. Ambedkar Pranahitha Chevella Sujala – Srvanthy Project	
Dist/ State	Andhra Pradesh
River/ Basin	Pranahitha
Proposal	Reconsideration for TOR
Drinking Water (TMC)	30
Drinking Water (TMC)	10
Ind Water (TMC)	16
CCA (Ha)	663700
Area required (Ha)	9810
Forest Land (Ha)	980
Private Land (Ha)	6170
Govt Land (Ha)	2660
Villages affected	9 (2800 households)
Decision	
27th Meeting (15-16.06.2009)	- This proposal was considered by the EAC at its meeting on 13 th Dec, 2007. As the information/ clarification sought by the committee could not be submitted by the project authority till August, 2008, the file was closed on 23 rd Sept, 2008 due to non-submission of requisite info. - The proposal was resubmitted, which was received in the Ministry on 2nd June, 2009. The scope of the work was changed in the resubmitted documents. The water from Pranahitha river is proposed to be diverted by constructing a barrage to Sripad Rao Sagar project from where it will be carried to the command areas in 7 districts through composite link canal systems. Approved the TOR subject to additional requested information to be included in the TOR.

Diversion of water from river Pranahita to Sripada Sagar Reservoir	
Dist/ State	Andhra Pradesh
River/ Basin	Pranhita
Proposal	TOR
Developer	Govt of Andhra Pradesh
Water to be diverted (TMC)	160
CCA (Ha)	5.48
Area Req (Ha)	2418 +29066 (for canal)
Decision	
9th Meeting (13-14.12.2007)	Requested that some points in the report may be clarified.

Lower Penganga Irrigation Project	
Dist/ State	Adilabad/ Andhra Pradesh (Multistate)
River/ Basin	Penganga/ Godavari
Proposal	TOR
Developer	Irrigation & CAD Department, Govt of Andhra Pradesh
CCA (Ha)	19,233
Area Req (Ha)	509.261
Forest Land (Ha)	8.78
Decision	
61 st Meeting (12-13.10.2012)	The Ministry of Environment & Forests granted environmental clearance to Lower Penganga Irrigation Project in Yavatmal District of Maharashtra on 17.5.2007. The project envisages construction of an earthen dam across Penganga river. The project has an irrigation potential of 1,40,818 ha in Maharashtra and 19,233 ha in Andhra Pradesh. The project proponent ten could not provide information on environmental issues pertaining to Andhra Pradesh at that time. Therefore, the proposal for irrigation in Andhra Pradesh was not considered by the EAC. Now the project proponent (A.P) made a separate proposal for Andhra Pradesh portion and has submitted to Ministry for Scoping clearance. The committee found the information provided by the consultant as too meager and did not conform to the standards prescribe for ToR of an irrigation project. Desired some more information.
63 rd Meeting (26-27.12.2012)	The Lower Penganga Project (LPP) is an Interstate Irrigation project between Maharashtra and Andhra Pradesh proposed and proposed on the river Penganga, a tributary of river Godavari. As per agreement between the two states, it was agreed by them to share water in 88:12 ratio village, Ghatanji Taluq of Yavatmal District of Maharashtra. The submergence area lies entirely in the State of Maharashtra. The total land required for the joint project is 19335.26 ha of land, 500.48 ha is private land and 8.78 ha is forest land. The Tippeshwar Wildlife Sanctuary is only 2 km away from the link canal. Recommended the project for scoping clearance with the following additional TORs.

P.V. Narasimha Rao Kanthanapally Sujala Sraavanthi project		
Dist/ State	Warangal/ AP	
River/ Basin	Godavari	
Proposal	TOR	
Developer	Irrigation & CAD Department, Govt of Andhra Pradesh	
Installed Capacity (MW)	280 (7 x 40)	
Ht/ L of Dam (m)	28.2	
Water Diversion (MCM)	1415.85	
Command Area (Ha)	3.04 lakh	
Submergence area (Ha)	4170	
	Balancing reservoir (3)	2834 (1134 + 950 + 750 ha)
	Forest Land	250
Decision		
46th Meeting (21-22.01.2011)	Area of 3.04 lakh ha under SRSP will get water for irrigation by supplementation. The areas are mostly in Warangal and Nalgonda districts. Public hearing is required to be conducted in both the districts. Distance of Wildlife Sanctuary of Eturu Nagaram from command area as well as from any other project component needs to be informed. Desired some more info	
48th Meeting (26.3.2011)	EAC was not convinced with the clarification why the water was not reaching the tail end and desired to know the reason whether it was a bad designing of SRSP Project or was there a change in the cropping pattern. The Committee was of the view that the Proponent should submit a comprehensive integrated project providing details of the type of HEP and water utilization and combined effect on the ecology due to both irrigation and hydro projects. The Project may be reconsidered after submission of the integrated project with requested information.	

Polavaram Multipurpose Project	
Dist/ State	Andhra Pradesh
River/ Basin	Sabari and Sileru
Proposal	Env Clearance
Developer	Govt of Andhra Pradesh
Decision	
23rd Meeting (16-17.02.2009)	<ul style="list-style-type: none"> - This project was accorded environmental clearance during October, 2005. - Academy for Mountain Environics filed a petition in the National Environment Appellate Authority (NEAA) against environment clearance to this project. This project involves submergence in Chhattisgarh and Orissa also. - NEAA quashed the environmental clearance as public hearing was not conducted in these two States. - Andhra Pradesh Govt challenged the order of NEAA in the Andhra Pradesh High Court. Andhra Pradesh High Court granted stay on the order of NEAA and allowed the construction work on the project. - Noted that CWC which is the highest competent authority of the Govt. of India has already approved the proposal of the Govt. of Andhra Pradesh for construction of embankments after taking the various relevant technical factors into consideration and after the approval given by the CWC, the Govt. of Andhra Pradesh approached the Ministry of Environment and Forests for environmental clearance for construction of Embankments. - The committee also noted that the present proposal is for the construction of protective embankments along the Rivers Sabari and Sileru with a view to avoiding any land submergence in the states of Orissa and Chhattisgarh, as directed by the Hon'ble High Court of Orissa. - It also noted the project was already given environmental clearance for the other components during 2005 and construction of embankments now proposed does not change the scope of the project which was cleared earlier. - It was also noted that the concerned authorities of Govt of Chattisgarh and Orissa have not been informed about construction of embankment on Sabri and Sileru River on the banks located in these two States. - The EAC finds the statutory requirement of public hearing as mentioned in the EIA Notification, 2006 was not conducted in Chattisgarh & Orissa. The EAC directed the project proponent to initiate suitable action requesting the appropriate authorities in Orissa & Chattisgarh for conducting public hearings in the respective states in respect of embankment proposal and report back to the committee.

Dummugundem Nagarjuna Sagar tail pond link canal project	
Dist/ State	Khammam/ AP
River/ Basin	Krishna
Proposal	TOR
Developer	Irrigation & CAD Department, Govt of Andhra Pradesh
Decision	
46th Meeting (21-22.01.2011)	This proposal does not involve any submergence and no new command area is proposed for irrigation. The proposal is for construction of canal for augmenting the water supply in the existing command area of Nagarjuna Sagar project. This proposal needs to be appraised by the SEIAA, as per amended EIA Notification, 2009.

Modernisation of Krishna Delta system	
Dist/ State	Vijayawada/Andhra Pradesh
River/ Basin	Krishna
Proposal	Env Clearance
Developer	Irrigation & CAD Department, Andhra Pradesh

CCA (Ha) Existing	5.29
Decision	
3 rd Meeting (22.06.2007)	EAC decided that the project require environmental clearance. However, PH has been exempted in the notification for modernization of irrigation projects. The committee also noted that no submergence of forest or other land is involved. Environmental studies have already been started is in progress prior to issue of new EIA notification, 2006. The Proposed TORs were examined and modified.
16 th Meeting (16-17.07.2008)	The Krishna-Delta System under Prakasam Barrage across river Krishna near Vijayawada is about 150 years old and is in dilapidated conditions. Desired to have some more information/ clarification. Apart form requested information, committee also noted that 10% of command area is saline. The committee decided to depute a sub-group to visit the site.
22 nd Meeting (22.01.2009)	Recommended EC subject to submission of requested information. The clarification need not to be put up before the EAC.
26 th Meeting (14.05.2009)	Recommended the project for environmental clearance.

KERALA

Pathrakadavu HEP	
Dist/ State	Palakkad District/ Kerala
River/ Basin	Kunthi
Proposal	Env Clearance
Developer	KSEB
Installed cap (MW)	70
Decision	
2 nd Meeting (16.05.2007)	Public hearing was held on 21.05.2004 based on rapid EIA. Site clearance for investigation and survey was granted to the project on 12.09.2003 subject to the certain conditions. The project authority has gone for public hearing without preparing comprehensive EIA. Keeping in mind the Kerala High Court's order in respect of public hearing of the project, the committee was the option that the project authority may go to the pubic again for intimating them that their consents have been incorporated in the comprehensive EIA report. Till date KSEB has not informed about holding the Public Hearing. The Committee suggested that if within one month the project authority does not respond, the file may be closed for time being. After receipt of the requisite documents the file may be reopened.

Pambar Hydro Electric Project	
Dist/ State	Idukki/ Kerala
River/ Basin	Pambar
Proposal	TOR
Developer	Kerala State Electricity Board
Height of dam (m)	36.5
Installed Cap (MW)	40 (2x20)
Area required (Ha)	45.034
Forest Area (Ha)	12.5
Private Land (Ha)	19.47
PAFs	14
Decision	
33 rd Meeting (15-16.12.2009)	This is a 'B' category project, because a Wildlife Sanctuary exists within 10 kilometer radius the proposal has been submitted to this Ministry. Chinnar Wildlife Sanctuary is about one kilometer away from the powerhouse. Recommended clearance for pre-construction activities and approved the TOR with some conditions.

Athirapally HEP	
Dist/ State	Kerala
River/ Basin	Chalakudy
Proposal	Env Clearance
Developer	KSEB
Installed Cap (MW)	163
Submergence area (Ha)	104.4
Forest Land (Ha)	138.6
Decision	
2 nd Meeting (16.05.2007)	This proposal was granted environmental clearance twice, during 1998 and 2005. But the High Court of Kerala quashed the clearance. Recommended the environmental clearance to the project.
March-July 2010	Following directions by Kerala High Court to KSEB, came back before EAC in March 2010 and was again discussed in April 2010 and July 2010, till when no conclusion could be reached by EAC and EAC had asked for more information and clarifications. There is no mention of the project in any of the minutes of the subsequent EAC meetings.

Achencovil HEP	
Dist/ State	Kerala
River/ Basin	Achencovil
Proposal	TOR
Developer	Kerala State Electricity Board
Height of dam (m)	40
Installed cap (MW)	30 (2x15)
Forest Land (Ha)	93
Decision	
9 th Meeting (13-14.12.2007)	In addition to the proposed TORs some more TORs needs to be incorporated. Revised TOR may be resubmitted after incorporating the requested issues. Ministry may process for clearance after receipt of the revised documents.
11 th Meeting (20-21.02.2008)	-The project authority was requested to justify the submergence of 90 ha of forest area for generation of only 30 MW along with information on other issues. Justification for submerging the forest land could not be found. Requested the project authority to revise the note and resubmit. It was suggested that silt yield index method for total catchment area to be considered.
17 th Meeting (20-21.08.2008)	Out of the total submergence area of 93 ha, the river course/ river bed occupies 21.5 ha. Of the balance 71.5 ha, only 6 ha is natural forest and the balance 65.5 ha is teak plantation. Total number of trees to be felled down at 4 m below FRL is approximately 15,000, which are mostly teak plantation planted by State Forest Department as a part of Social Forestry Scheme. Recommended clearance for pre-construction activities and approved the TOR.

KARNATAKA

Shivasamudram Seasonal Power scheme	
Dist/ State	Coorg District/ Karnataka
River/ Basin	Cauveri
Proposal	TOR
Developer	Karnataka Power Corporation Ltd
Height of dam (m)	9
Installed Capacity (MW)	270 (3x90)
Area required (Ha)	70
Decision	
26 th Meeting (14.05.2009)	Desired to have clarification/additional information on some issues. The committee agreed to prescribe model TOR to the project authority. Based on the same, revised TOR may be prepared and be submitted along with clarifications as requested for final decision.
28 th Meeting (28-29.07.2009)	The revised TOR was considered by the committee. It was noted that this is a seasonal power scheme. Only during monsoon, power will be produced. The committee approved the proposed TOR and suggested some additional TORs.

Kali Pumped Storage Scheme	
Dist/ State	Uttara Kannada District /Karnataka
River/ Basin	Bare/ Kali
Proposal	TOR
Developer	Karnataka Power Corporation Ltd.
Installed capacity (MW)	600
Height of dam (m)	18
Decision	
24 th Meeting (19-20.03.2009)	Noted that catchment area treatment will be in respect of upper reservoir only. Written comments on the proposal given by Dr. A.K. Bhattacharya were clarified during the presentation. The project authority was advised to incorporate the issues raised in the written comments given by Dr. B.P. Das and Prof. J.K. Sharma in the documents and resubmit for further consideration by the committee.

Singtalur Lift Irrigation Project		
Dist/ State	Gadag District/ Karnataka	
River/ Basin	Tungabhadra River	
Proposal	TOR	
Developer	Water Resource Department, Govt of Karnataka	
Height of dam (m)	10	
CCA (Ha)	77,198	
Drinking Water (TMC)	2.55	
FRL (m)	509	
Submergence area (Ha)	1620	
Area required (Ha)	3171	
	Villages affected	6
	Forest Land	1.42
Decision		

56th Meeting (30-31.03.2012)	Desired some additional information for appraisal of the project-
63 rd Meeting (26-27.12.2012)	Recommended clearance for pre-construction activities subject to submission of information/clarification on some issues.

Sri Rameshwara Lift Irrigation Scheme

Dist/ State	Belgaun District/ Karnataka	
River/ Basin	Ghatprabha/ Krishna	
Proposal	Env Clearance	
Developer	Govt of Karnataka	
Height of dam (m)	No dam	
Length of canal (km)	171 (69+102)	
Irrigable CA (Ha)	13,800	
Drinkng Water (TMC)	0.30	
Area required (Ha)	353.70	
PAFs	105	

Decision

15th Meeting (18-19.06.2008)	The project authority submitted the proposal for environmental clearance under 1994 EIA Notification. The committee was informed that site clearance for investigation and survey which was pre-requisite under the said notification was not obtained by the project authority, as well as public hearing of the proposal has not been conducted. Therefore, the proposal was considered only for adequacy of the EIA report, as per circular dated 13th October, 2006. Pointed out some discrepancies in the EIA/ EMP reports and desired clarification/ correction.
26th Meeting (14.05.2009)	Proposed bio-drainage in EMP cautioned the project authority not to take up this activity before finding out concrete success story of this alternative drainage method in controlling water-logging & salinity in India in the command area. Thereafter, the Committee desired additional information/clarifications on some issues.
27th Meeting (15-16.06.2009)	The word "periodical" was used at various paras while clarifying the issues raised by EAC. The project authority was informed that specific period should be mentioned instead of periodical observations, periodical assessment, periodical performance etc. Recommended EC.

Upper Bhadra Lift Irrigation Project Stage-I

Dist/ State	Chikmagalur District, Karnataka	
River/ Basin	Tunga	
Proposal	TOR	
Developer	Govt of Karnataka	
Irrigation (Ha)	107265	
Area required (Ha)	5245.37	
Forest Land	230	

Decision

23rd Meeting (16-17.02.2009)	- Noted that the project authority has already prepared the EIA/ EMP report without scoping. As such committee decided to examine the adequacy of TOR which was considered for preparation of EIA report.
24th Meeting (19-20.03.2009)	- The committee advised the project authority to explore the possibility of shifting the alignment of canal from the nearest point of Wildlife Sanctuary. It was also suggested to increase the sampling number of soil quality proportionately. Public hearing in both the districts to be conducted. Approved the EIA and suggested to come back after completion of public hearing.
31st Meeting (21-22.10.2009)	- Two districts (Chitradurga & Chikmagalur) are involved in this project. Public hearing now has been conducted for both districts on 16.7.2009 & 22.7.2009. The public hearing proceeding and other clarifications sought by the committee were circulated by the proponent. Recommended environmental clearance to the project subject to furnishing information/clarification on some issues to the Ministry.

Gundia HEP

Dist/ State	Hassan and Dakshina Kannada Districts/ Karnataka	
River/ Basin	Gundia	
Proposal	Env clearance	
Developer	Karnataka Power Corporation Ltd	
Installed Capacity (MW)	200	
Height of Dam (m)	3 weirs & 2 dams (a weir of 15 m height across the Yettinahole, 8 m high weir across the Kerihole, 36 m high weir across the Hongadahalla, 62 m high dam across the Bettakumbri stream and about 90.50 m high earthen dam across the Hongadahalla river to store about 132 M. Cum of water.)	
Area required (Ha)	1041.64	
	Forest Land	754.26
	Private land	71.98
	Villages Affected	12 (264+980)

Decision

20th Meeting (20-21.11.2008)	Desired to have some more information/ clarification: <ul style="list-style-type: none"> - Item wise break up of expenditure on different environmental management plan may be submitted. - The project is located in two Districts i.e. Hassan and Dakshina Kannada. The public hearing proceeding has been submitted only for Hassan District. Copy of public hearing proceeding of public hearing in Dakshina Kannada District should be submitted immediately. - It was noted that representation submitted by Malenadu Janapara Horata Samiti is against the project. The Project authorities should
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	furnish clarifications on the issues raised by the Malenadu Gatakada Para Horata Samiti. It was also decided that the Committee would also visit the project site at an appropriate time.
27th Meeting (15-16.06.2009)	The Committee suggested providing a fish ladder for migration of fishes as the weir height is only 8 m. They were requested to submit the information on requested issues for further consideration by the Committee.
31st Meeting (21-22.10.2009)	The compliance report submitted by the proponent in response to the earlier observations of the Committee was considered. It was pointed out by the members that the compliance report indicates some discrepancies. The committee also decided to depute a sub-group of the committee to visit the proposed site for on the spot inspection some time in December 2009.
33rd Meeting (15-16.12.2009)	The proposed site was visited by a sub group of the EAC in the first week of December. The site visit report was considered by the committee. The committee agreed with the recommendation of the sub-group.
38 th Meeting (30.06.2010)	- The EAC has considered this project thrice since 2008. - Noted that the project proponent in response to the observations of the Sub-Group of the EAC which visited the proposed site has decided to delete the Hongadhalla Dam from the scheme. As such the total land requirement has decreased from 1041 ha to 478.96 ha (private land 71.98 ha, forest land 113.22 ha and revenue land including river course is 293.76 ha). - The committee decided to recommend EC with some conditions. However, Ministry may consider the recommendation of the Expert Panel constituted under the chairmanship of Prof. Madhav Gadgil before according EC to the project.
55th Meeting (10-11.02.2012)	The Environment Clearance to Gundia 200 MW Hydroelectric Power Project in Hassan and Dakshina Kannada Districts of Karnataka by M/s Karnataka Power Corporation Ltd. was recommended by EAC in its meeting held on 30.06.2010. However, while recommending the Project, the EAC observed that the Ministry may consider the recommendations of Expert Panel constituted under the Chairmanship of Prof. Madhav Gadgil before according environment clearance to the project. Accordingly, the project proposal was referred to the Western Ghats Ecology Expert Panel (WGEEP) who has now classified the area as Ecologically Sensitive Zone-I (ESZ-I) and has recommended that no large storage Dam should be permitted in this area. The WGEEP has further recommended that the execution of Gundia project in three stages and two phases will cause large scale land covered changes in this Basin. The impacts on the Habitat on the bio-diversity would come not only from the submergence but also associated activity including building constructions as well as roads to access the various project sites. The Panel therefore, recommended not permitting execution of this Project as the loss of bio-diversity and environmental impacts would be significant.
56th Meeting (30-31.03.2012)	The Committee again discussed the recommendations of Western Ghat Ecology Expert Panel (WGEEP) for Gundia HEP and was not convinced regarding the irreversible effects on the bio-diversity due to submergence of certain species which are endemic to the area. It was decided that the Ministry shall provide hard copies of EIA/EMP reports for the project and the report of WGEFP to Dr. T. S. Nair, Prof. J. K. Sharma and Dr. Dhananjai Mohan who would once again look into the matter with specific orientation towards submergence of bio-diversity, its irreversible effects if any, and adequacy of mitigation measures suggested by the Project Proponents and the EAC. The matter shall then be discussed in the next meeting.
58 th Meeting (1-2.06.2012)	It was decided that Prof. J.K. Sharma, Dr. Nayar and Dr. Dhananjay Mohan shall meet and consolidate their views, which shall be presented in the next meeting.
59 th Meeting (20-21.07.2012)	The Committee deliberated on the observations of the three experts and came to the conclusion that both the reports seems incomplete but at the same time, the revised EIA/EMP report of Gundia provided a good amount of information for the Committee to come to a conclusion. It is evident that there is no endemic species specifically of Gundia HEP region and there is no species for which mitigation methods are not available. The damage due to submergence of flora and fauna of the area is mitigable. Moreover, the Committee had looked into these aspects at the time of site visit and had suggested some environmental measures which have been implemented by sacrificing one of the dams by the PP. In view of this, the Committee felt that there is no enough data and reason to go against the recommendations of EAC for environmental clearance for the Project. Hence EAC reiterated its earlier recommendation with some additional environmental conditions.

Shiggaon Lift Irrigation Scheme

Dist/ State	Haveri District/ Karnataka by Karnataka
River/ Basin	Varda
Proposal	TOR
Developer	Karnataka Neeravari Nigam Ltd
Irrigation (Ha)	9900
Area required (Ha)	775
Decision	
36th Meeting (22-23.03.2010)	The TOR may be drawn up considering some suggestions.
45th Meeting (20-21.12.2010)	Recommended clearance for pre construction activities and approved the proposed TOR with some observation.
58 th meeting (1-2.06.2012)	The Committee suggested to the consultant that comprehensive power point presentation providing highlights of the projects instead of putting so much running matter on the slide should be made.

Dandavathy Reservoir Project

Dist/ State	Shimoga/ Karnataka
River/ Basin	Dandavathy
Proposal	TOR
Developer	Karnataka Neeravari Nigam Ltd
Command Area (Ha)	6,933
Ht/ L of Dam (m)	20.09
Submergence area (Ha)	545

	Forest Land	45.48
Area for Canal (Ha)	876	
	Forest Land	60.35
Decision		
35 th Meeting (18-19.02.2012)	The proponent was advised to revise the TOR and submit for further consideration of the committee.	
46 th Meeting (21-22.01.2011)	It has been noted that Gudavi Bird Sanctuary is situated at 7 kms distance from the nearest command area boundary and the sanctuary is spread over an area of 0.73 sq km. As the soil is not suitable for growing paddy, soil based cropping pattern should be adopted, dry crops and oil crops may be considered replacing paddy. Recommended clearance for pre-construction activities and approved the TOR.	

TAMIL NADU

Modified Moyar Ultimate Stage HEP Phase -I		
Dist/ State	Nilgiris Distt./ Tamil Nadu	
River/ Basin	Pykara river/ Moyar	
Proposal	TOR	
Developer	Tamil Nadu Electricity Board	
Installed Cap (MW)	25	
Decision		
17th Meeting (21-22.08.2008)	It is a 'B' category project, but will be treated as 'A' category as it is located within 10 km radius of the interstate boundary between Tamil Nadu and Karnataka. Suggested modifying the TOR, based on the standard TOR prepared by MoEF.	

Kundah PPS		
Dist/ State	Tamil Nadu	
River/ Basin	Cauvery	
Proposal	TOR	
Developer	TNEB	
Installed Cap (MW)	500	
Area Req (Ha)	130.5	
Forest Land (Ha)	30	
Decision		
1 st Meeting (18.04.2007)	Noted that the cost of compensatory afforestation is on higher side in comparison of number of plants to be planted. The Committee suggested to increase the number of plants for plantation and recommended for env clearance.	

Inter-Linking of Tambiraparani, Karumeniyar and Nambiyar Rivers		
Dist/ State	Tirunelveli and Thoothukudi Districts / Tamil Nadu	
River/ Basin	Tambiraparani, Karumeniyar and Nambiyar	
Proposal	TOR	
Developer	Public Works Department, Water Resources Organisation, Govt of Tamil Nadu	
Water diversion (Mcft)	2765 from Thamirabarani River	
CCA (Ha)	17,002	
Area required (Ha)	653.317	
Decision		
53 rd Meeting (11-12.11.2011)	The Committee expressed its unhappiness with the consultant from Anna University for not explaining the process of environment clearance to the proponent properly. The Committee decided that some information may be clearly sent to the all members of the Committee, well in advance before the project is reconsidered.	
59 th Meeting (20-21.07.2012)	It is claimed that about 23,040 ha of land will be benefited out of which 5,220 ha of land will be stabilized, 818 ha of land will be bridged and 17,002 ha of land will be brought under new cultivation. The water table in the adjoining wells will be raised due to the project. The sub soil water to the nearby wells will be recharged. The sea water intrusion in the Sathankulam and Thisaiyanvilai areas shall also be checked, to some extent. The benefit cost ratio works out to 2.26:1. In addition to the above, the drinking and irrigation needs of 50 villages will also be met. Recommended Scoping Clearance and approved the draft ToRs with some additional ToRs for the preparation of EIA/EMP reports.	