

**Proceedings of the meeting of Technical Appraisal Committee (TAC) held on 4<sup>th</sup> & 5<sup>th</sup> August 2023, 10.00 AM onwards at NIC-Conference Hall, Armsdale Building, H.P. Secretariat, Shimla, HP.**

List of participants is at Annexure A

Decisions of TAC is at Annexure B

1. At the outset, the Sh. Nishant Thakur –HPAS (Rev-DM) welcomed the Director cum Special Secretary (Revenue-DM) to the Government of Himachal Pradesh, the Members of Technical Appraisal Committee (TAC), the Nodal officers of various departments and the officers of various Departments who had joined through video conference and also discussed the agenda of the meeting.
2. The Director-cum-Special Secretary (Revenue-DM) requested the TAC members to evaluate the DPRs as per the guidelines of NDMF/SDMF. He also requested that TAC members must ensure that all the DPRs should have enclosed with it the GIS maps along with KML file so that the duplicity of the projects and near real time monitoring of projects at National, State and District level during different stages of project implementation may be done.
3. Further he discussed the guidelines of State Disaster Mitigation Funds (SDMF) to make clarity to TAC members on SDMF provision and said that at least 10% funds in a year should be earmarked for the non-structural measures and not more than 50% of funds may be utilized to mitigate single hazard whereas up to 5% of the NDMF/ SDMF, funds may be earmarked for small grants window to support small proposals related to innovation, technology, community leadership, research, studies and learning.
4. The Members of TAC were requested to handhold the PIAs in order to fine tune the DPRs. The R&D & technical institutions which were represented by the Members of TAC were requested to help the State by undertaking the DPR preparation assignment.

5. There was a request from members and implementing agencies to constitute region-wise technical subcommittees. The suggestion from the members is to initially form two teams, each consisting of experts who specialize in specific hazards. These hazard-specific experts would be involved in conducting field visits to the project sites, so that the teams can provide more targeted and effective recommendations for improving the existing Detailed Project Reports (DPRs). The members were also requested to share the name of experts who would be placed in these two technical subcommittees.

At the conclusion of the meeting, Sh. Nishant Thakur –HPAS (Rev-DM) expressed his gratitude to all the Technical Advisory Committee (TAC) members for dedicating their valuable time to the discussions and deliberations during the meeting. His acknowledgment highlights the importance of the TAC members' contributions and their commitment to the project's progress and success.

The meeting ended with a vote of thanks.

**Approved by**

Director cum Special Secretary (Rev-DM) to  
the Government of Himachal Pradesh

Endst. No. No. Rev. (DMC) (F) 9-1/2022-DPRs-MF

Dated the August, 2023

Copy forwarded for information and necessary action to:-

1. All the Members of the TAC.
2. The Pr. Chief Conservator of Forests-HP(HoFF), Talland, Shimla-1.
3. The Director of Energy, Shakti Bhawan, Sector-6, New Shimla-9.
4. The Engineer-in-Chief (PWD), Nirman Bhawan, Shimla-2.
5. The Engineer-in-Chief (JSV), Tutikandi, Shimla-2.
6. The Member Secretary, AGiSAC-HIMCOSTE.
7. The Director, Department of Agriculture, HP.
8. The Deputy Commissioner-cum-Chairman, DDMAAs, all districts (concern) in HP.
9. The Director, Health Services, Health and Family Welfare Directorate, SDA Complex Kasumpti, Shimla-9.
10. The Director, Directorate of Elementary Education, Lalpani, Shimla.

11. The Director, CBRI Roorkee.
12. The Director, IIT Mandi.
13. The Director, NITTTR, Chandigarh.
14. All the participants of the meeting.



Office In-charge (officiating)  
O/o Director cum Special Secretary (Rev-DM)  
Government of Himachal Pradesh.

**Annexure-A****List of Participants**

<b>Sr. No</b>	<b>Name</b>	<b>Designation/ Organization</b>
1.	Sh. D.C. Rana	Director cum Special Secretary (Rev-DM)
2.	Sh. Nishant Thakur	HPAS-(Rev-DM)
3.	Dr. Suresh Attri	CSO- DEST & CC
4.	Er. Ajay Kapoor	SE Works HPPWD
5.	Dr. S.S.Randhawa	Principal Scientific Officer, HIMCOSTE
6.	A.K. Mahajan	Central Univ. HP
7.	Dr. R.S Banshtu	NIT Hamirpur
8.	Dr. B. R. Thakur	HP University- Summer hill
9.	Dr. Hemant Vinayak	NITTTR-Chandigarh
10.	Dr. H.C. Arora	CBRI, Roorkee
11.	Dr. Manojit Samanta	CBRI, Roorkee
12.	Dr. Kesar Chand	G.B.P.N.I.H.E-Kullu Unit
13.	Dr. Sandip Saha	IIT Mandi
14.	Dr. K. V. Uday	IIT Mandi
15.	Er. Anil Kumar	SE JSV Dharampur
16.	Er Naresh Dhiman	SE JSV Una
17.	Dr Devinder Sharam	Deputy Director Health, Shimla
18.	Sh. Sanjeev Sood	Addl. Director, Higher Education, Shimla
19.	Er. Sushil Dhadwal	XEN PWD, Kangra
20.	Er. Rajeev Kumar	XEN PWD, Chamba
21.	Er. Basant Singh Rathore	EE, JSV, Kasumpti
22.	Er. Yogesh Kumar	EE JSV, Dharampur
23.	Er. Puneet Sharma	EE JSV, Una
24.	Er. Bhushan	AE HPPWD
25.	Er Nand Lal Sharma	AE JSV, Dharampur
26.	Er Ashish Chaudhary	AE JSV, Una
27.	Sh Ramesh K Verma	Supt. G-II Health
28.	Er. Vishal Verma	JE, JSV, Kasumpti
29.	Er. K. Singh	JE PWD
30.	Er. B. Sehgal	JE HPPWD, Chamba
31.	Er Diwakar Sharma	JE
32.	Dr. Rohit Chauhan	GIS&RS, Rev. DM Cell
<b>Virtual Mode</b>		
1	Amit Kumar,( Xen) JSV Shahpur.	
2	Dr. Ajay Chaurasia, CBRI Roorkee.	
3	Nodal Officers (DM) District Level.	
4	Sr. Officers from Various Departments.	
5	All the concern Coordinators from DDMA's, Himachal Pradesh.	

**HPPSDMA**  
**TECHNICAL APPRAISAL COMMITTEE MEETING, (Held on 4<sup>th</sup> & 5<sup>th</sup> August 2023)**  
**Evaluation Sheet for DPR Assessment**

S.N	Title of the Proposal	Hazard	Implementing Agency	Estimated cost	Remarks
1	Restoration of RRD on Kullu Manali Left Bank Road Near Chhrruru during flood on dated 21 September 2018 Kullu. Landslide mitigation measures by soil Nailing Reach length 90 mtr for HT app. 30 mtr, C/O wire created B/Wall, RCC R/Wall, C/O U Shape Drain etc & C/o CC Pavement	Landslide	Executive Engineer, HPPWD-Katrain	8,43,48,346	Considering the strategic location of the site, the committee felt that this proposal is recommended with additional information to be furnished by the agency. <ul style="list-style-type: none"> <li>Basic Geological, Hydrological, Geotechnical and Geophysical information are required.</li> <li>All the proposed measures and its alternative should be examined.</li> <li>Need to recheck the stability design and calculation.</li> <li>Landslide prone area required to be reinvestigated.</li> <li>DPR need to be resubmitted as per NDMF/SDMF guidelines.</li> <li>The GIS based map and KML file needs to be submitted.</li> <li>The detailed timeline of the project needs to be submitted.</li> </ul>
2	Flood Protection work for Janjehli Bazaar and Lamba Thach area in tehsil Thunag Dist Mandi	Flood Protection	Executive Engineer JSV division Thunag, Mandi	3,49,21,395	Recommended in Principle with modifications <ul style="list-style-type: none"> <li>Flood plain area should be demarcated clearly on GIS map.</li> <li>Discharge at different section need to be measured.</li> <li>Flood modelling as per CWC guidelines and BIS code need to incorporate and planned considering the HFL of the river.</li> <li>DPR need to be resubmitted as per NDMF/SDMF guidelines.</li> <li>The GIS based map and KML file needs to be submitted.</li> <li>The detailed timeline of the project needs to be submitted.</li> </ul>
3	Flood Protection work for Jawal Khad and Bagsdaid Nallah, Thunag, Mandi	Flood Protection	Executive Engineer JSV division Thunag, Mandi	3,56,86,047	

Name: Dr. Rohit Chauhan (GIS&RS)	Name: Dr. K. V. Uday (IIT Mandi)	Name: Dr. Sandip Saha (IIT Mandi)	Name: Dr. B. R. Thakur (HPU)	Name: Dr. Kesar Chand (G.B.P.N.I.H.E)	Name: Dr. Manojit Samanta (CBRI)	Name: Dr. H.C. Arora (CBRI)
Signature 	Signature 	Signature 	Signature 	Signature 	Signature 	Signature 
Name: Dr. Hemant Vinayak (NITTR)	Name: Dr. R. S Banshtu (NIT Hamirpur)	Name: Prof. A.K. Mahajan (Central Univ. HP)	Name: Dr. S.S. Randhawa (PSO HIMCOSTE)	Name: Er. Ajay Kapoor (SE-PWD)	Name: Dr. Suresh Attri (CSO-DEST & CC)	
Signature 	Signature 	Signature 	Signature 	Signature 	Signature 	Signature 

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### TECHNICAL APPRAISAL COMMITTEE MEETING, (Held on 4<sup>th</sup> & 5<sup>th</sup> August 2023)

#### Evaluation Sheet for DPR Assessment

S.N	Title of the Proposal	Hazard	Implementing Agency	Estimated cost	Remarks
4	DPR- Protection/Treatment of Landslides on Bhaler to Duli Roads under Kangra Division 0/000-2/000	Landslide	Executive Engineer, HPPWD-Kangra Division	11,44,79,150	<ul style="list-style-type: none"> <li>Need to be Re-examine</li> <li>The slide areas needs to be visited by experts before final estimation of cost.</li> <li>Project is required to be reinvestigated for adequate drawing of structure at vulnerable locations.</li> <li>Detailed geological inputs like slope material, thickness and the lithology of the upper catchment are required for the landslide mitigation.</li> <li>Landslide prone area required to be investigated</li> <li>DPR need to be resubmitted as per NDMF/SDMF guidelines.</li> <li>The GIS based map and KML file needs to be submitted.</li> <li>The detailed timeline of the project needs to be submitted.</li> </ul>
5	DPR- Protection/Treatment of Landslides on Bhaler to Duli Roads under Kangra Division 2/000-4/000	Landslide	Executive Engineer, HPPWD-Kangra	16,59,35,887	

Name: Dr. Rohit Chauhan (GIS&RS) Signature	Name: Dr. K. V. Uday (IT Mandi) Signature	Name: Dr. Sandip Saha (IT Mandi) Signature	Name: Dr. B. R. Thakur (HPU) Signature	Name: Dr. Kesar Chand (G.B.P.N.I.H.E) Signature	Name: Dr. Manojit Samanta (CBRI) Signature	Name: Dr. H. C. Arora (CBRI) Signature
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### TECHNICAL APPRAISAL COMMITTEE MEETING, (Held on 4<sup>th</sup> & 5<sup>th</sup> August 2023) Evaluation Sheet for DPR Assessment

S.N	Title of the Proposal	Hazard	Implementing Agency	Estimated cost	Remarks
6	Flood Protection /Anti Erosion Measures works for Hariari Nallah in Tehsil Dharampur, Mandi	Flood Protection	Executive Engineer HP/PH Division Dharampur	10420000	<p>Recommended in Principle with modifications</p> <ul style="list-style-type: none"> <li>Protective measures required to be included in the upper catchment along the 1st and IInd order streams so as to check the erosion and the velocity of the flow along the channel and the same can be included in the proposal before resubmitting.</li> <li>DPR need to be resubmit as per NDMF/SDMF guidelines.</li> <li>The GIS based map and KML file need to be submitted.</li> <li>The detailed timeline of the project need to be submitted.</li> </ul>
7	Flood Protection/Anti Erosion Measures works for Srianka Nallah in Tehsil Dharampur, Mandi	Flood Protection	Executive Engineer HP/PH Division Dharampur	10380000	
8	Flood Protection/Anti Erosion Measures works for Dhardi Nallah in Tehsil Dharampur, Mandi	Flood Protection	Executive Engineer HP/PH Division Dharampur	25620000	
9	Flood Protection/Anti Erosion Measures works for Balhara Nallah in Tehsil Dharampur, Mandi	Flood Protection	Executive Engineer HP/PH Division Dharampur	1,06,80,000	
10	Flood Protection works to nald khad in GP Laungani Dharampur Dist. Mandi	Flood Protection	Executive Engineer IPH Division Dharampur at Bharari	1,95,04,692	
11	Flood protection work for Kuhat nallah in Sandhole, tehsil Sandhole Mandi, RCC Channel from CSD Canteen to PWD Rest house From RD 0 to 1/000m)	Flood Protection	Executive Engineer HP/PH Division Dharampur	2,94,43,000	
12	Flood Protection/Anti Erosion Measures works for Lower Tanehar Nallah in Tehsil Dharampur, Mandi	Flood Protection	Executive Engineer HP/PH Division Dharampur	1,49,50,000	

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## HPSDMA










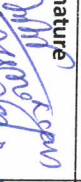
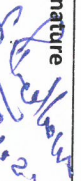
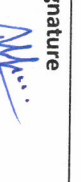
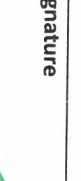

### TECHNICAL APPRAISAL COMMITTEE MEETING, (Held on 4<sup>th</sup> & 5<sup>th</sup> August 2023) Evaluation Sheet for DPR Assessment

S.N	Title of the Proposal	Hazard	Implementing Agency	Estimated cost	Remarks
13	Providing Storm Water Drainage to Una Town under State Disaster Mitigation Fund in Tehsil & Distt Una	Flood Protection	Executive Engineer JSV Division 1 Una	19,66,71,222/-	Recommended in Principle with modifications <ul style="list-style-type: none"> <li>Flood zonation map of complete catchment indicating priority actions in GIS format</li> <li>Material characteristic and quantity confirmation required.</li> <li>Historical analysis of past HFL_data in consonance with the present precipitation trends.</li> <li>DPR need to be resubmitted as per NIDMF/SDMF guidelines.</li> <li>The GIS based map and KML file need to be submitted.</li> <li>The detailed timeline of the project needs to be resubmitted.</li> </ul>
14	Providing Flood Protection Work to Protect the Harizan Basti in Village Khad in Distt Una	Flood Protection	Executive Engineer JSV Division 1 Una	6,98,45,000/-	
15	Providing Flood Protection Work in Athwai Khad Sub Tributary of Pandoga Khad from RD 24725/0/2500/0/2300m to 3155 on left bank and RD 24725/0/2500/0/2300 to 2912 on right Bank i/c C/O Bridge & Culvert in Tehsil Haroli Distt. Una (HP)	Flood Protection	Executive Engineer JSV Division 1 Una	3,35,36,000/-	

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**HPSDMA**  
**TECHNICAL APPRAISAL COMMITTEE MEETING, (Held on 4<sup>th</sup> & 5<sup>th</sup> August 2023)**  
**Evaluation Sheet for DPR Assessment**

S.N	Title of the Proposal	Hazard	Implementing Agency	Estimated cost	Remarks
16	Providing household drainage system in ward No 7 Mohalla Tallian in village lower Pandoga, Tehsil Haroli)	Flood Protection	Executive Engineer JSV Division 1 Una	99,73,000	<ul style="list-style-type: none"> <li>Recommended in Principle with modifications</li> <li>Flood zonation map of complete catchment indicating priority actions in GIS format.</li> <li>Material characteristic and quantity confirmation needs to be conducted.</li> <li>Historical analysis of past HFL data along with the present precipitation trends.</li> <li>Cross sections of the proposed site (rivers) at 100m distance are required.</li> <li>DPR need to be resubmitted as per NDME/SDMF guidelines.</li> <li>The detailed timeline of the project needs to be resubmitted.</li> <li>The GIS based map and KML file need to be submitted.</li> </ul>
17	Channelization of seer mallah in village Panjavar, Tehsil Haroli Dist. Una (HP)	Flood Protection	Executive Engineer JSV Division 1 Una	7,22,06,000/-	<ul style="list-style-type: none"> <li>Recommended in Principle with modifications</li> <li>Flood zonation map of complete catchment indicating priority actions in GIS format.</li> <li>Material characteristic and quantity confirmation needs to be conducted.</li> <li>Historical analysis of past HFL data along with the present precipitation trends.</li> <li>DPR need to be resubmitted as per NDME/SDMF guidelines.</li> <li>The detailed timeline of the project needs to be resubmitted.</li> <li>The GIS based map and KML file need to be submitted.</li> </ul>

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## HPSDMM

### TECHNICAL APPRAISAL COMMITTEE MEETING, (Held on 4<sup>th</sup> & 5<sup>th</sup> August 2023)

#### Evaluation Sheet for DPR Assessment

*S. N	Title of the Proposal	Hazard	Implementing Agency	Estimated cost	Remarks
18	DPR-Bhatwalwan Ghar on Chamba Khajjiar Road	Landslide	HPPWD-Chamba	9,29,05,498	<p>Needs to be revisited by experts before submission of final proposal for re-consideration.</p> <ul style="list-style-type: none"> <li>The committee felt that expert committee should visit the area and after field inputs, project needs to be resubmitted</li> <li>DPR needs to be resubmitted as per NDMF/SDMF guidelines.</li> <li>The GIS based map and KML file need to be submitted.</li> <li>The detailed timeline of the project need to be submitted.</li> </ul>
19	DPR- Sliding Prone on Link Road Helipad	Landslide	HPPWD-Chamba	14,30,69,033	
20	DPR-Gali Ghar on Chamba Sahoo Kiri Road	Landslide	HPPWD-Chamba	1,69,18,150	
21	Regarding the Disaster Related Mitigation of WSSL WSS schemes in Shalpur, Kangra	Flood	JSV	1,65,27,126	<p>Recommended in Principle with modifications</p> <ul style="list-style-type: none"> <li>DPR needs to be re-submitted as per NDMF/SDMF guidelines.</li> <li>The GIS based map and KML file needs to be submitted.</li> <li>The detailed timeline of the project needs to be resubmitted.</li> </ul>

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**TECHNICAL APPRAISAL COMMITTEE MEETING, (Held on 4<sup>th</sup> & 5<sup>th</sup> August 2023)**  
**Evaluation Sheet for DPR Assessment**

SN	Name of the Building	Hazard	Implementing Agency	Remarks
22	CHC (20 Nos) Kangra, Sirmour, Kinnaur, Hamirpur	Earthquake Retrofitting	HPSDMA/HP Department of Health and Family Welfare	Retrofitting of CHC and Schools for Kangra, Sirmour, Kinnaur and Hamirpur has been recommended and suggested to re-calculate the cost of project as per present HPSOR and resubmitted
23	GSSS (20 Nos) Kangra, Sirmour, Kinnaur, Hamirpur	Earthquake Retrofitting	HPSDMA/HP Department of Health and Family Welfare	

Name: Dr. Rohit Chauhan (GIS&RS) Signature	Name: Dr. K. V. Uday (IIT Mandi) Signature	Name: Dr. Sandip Saha (IIT Mandi) Signature	Name: Dr. B. R. Thakur (HPU) Signature	Name: Dr. Kesar Chand (G.B.P.N.I.H.E) Signature	Name: Dr. Manojit Samanta (CBRI) Signature	Name: Dr. H.C. Arora (CBRI) Signature
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