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Department of Environment, Science & Technology

Government of Himachal Pradesh

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Dated: 2018

Proceedings of State Steering Committee Meeting of SLADRC project under National Adaptation Fund on Climate Change held on 05-09-2018 at DC office Nahan, District Sirmaur, H.P. under the Chairmanship of Sh. Tarun Kapoor, IAS, Addl. Chief Secretary (Env., Sci & Tech.) to the GoHP.

1. A State level Steering committee meeting regarding implementation of project titled "Sustainable Livelihood of Agriculture Dependent Rural Communities in Drought Prone Districts of Himachal Pradesh through Climate Smart Solution" was convened on 5th September, 2018 at Nahan under the Chairmanship of Shri. Tarun Kapoor, IAS, Additional Chief Secretary, (Env., S&T), Govt. of Himachal Pradesh, wherein Shri. Lalit Jain, Deputy Commissioner, District Sirmaur, H.P., Shri. D.C. Rana, Director, (Env., S&T), Govt. of Himachal Pradesh, Project Coordinator- cum- Principal Scientific Officer (Env.), Department of Environment, Science and Technology (DEST), Shimla, H.P. also participated alongwith all stakeholders from different departments i.e. Agriculture, Horticulture, Forest & IPH. The Block Development Officers from three selected Blocks etc. were also present in the meeting. List of participants is at **Annexure-I**.
2. At the outset, Sh. D.C. Rana, Director(Env. S&T) Himachal Pradesh welcomed all the participants and explained about the Agenda of the meeting to all the participants. He further highlighted that the project is progressing well but still push is needed to for the completion of different irrigation schemes. He also informed the Chair that since last State Steering Meeting three district level review meetings have been held, wherein Director DEST also participated and three district level reviews have been done at the level of Dy. Commissioner. The progress on different components is being reviewed at different stages and the important feedback is being incorporated for successful implementation of the project.
3. Further, with the permission of Chair, a presentation was given by the Project Coordinator- Principal Scientific Officer (Env.), Department of Environment, Science and Technology, Shimla, H.P. He presented the project calendar and further explained the component wise physical and financial achievements/ status vis-a-vis the approved Detail Project Report (DPR).
4. Component wise deliberation and decisions taken in the meeting are as follows:

Component No. 2: Climate Smart Package of Practices for the District.

Sub Comp. No. 2.1 Water Harvesting Structure Creation for Irrigation:

Under this component three lift irrigation schemes are being built up in three blocks:-

- LIS Charna-Devlia-Block Sangrah.
- LIS Odder-Pudla-Block Pachhad,
- LIS Barotiwala-Bodhwara-Block Paonta.

The scheme wise review and decisions are as follows:

a. **Lift irrigation Scheme Charna-Devlia:**

The State Project Steering Committee reviewed the progress of the LIS in Sangrah Block. The Executive Engineer, IPH informed that civil work is 90% complete and at present electrical work is being carried out and would be completed shortly in a month's time.

After deliberating upon the information given by the IPH it was decided that:

- The Executive Engineer, IPH shall ensure to complete all the works of scheme and make it functional by 15th October, 2018.
- A formal communication may also be made with the Secretary, IPH to bear the expenditure of maintenance of the scheme once it is functional.
- The Ex. Engg. IPH shall also share the list of beneficiaries of both the villages, form and register user groups and to complete the pending works as pointed out by the Director DEST during his field visit to the site.

(Action by Executive Engineer, IPH, Sangrah Block & DEST)

b. **Lift irrigation Scheme-Odder Pudla-Block Pachhad:**

The State Steering Committee also reviewed the progress of Pachhad Block and the Executive Engineer informed that 50% work of scheme has been completed. He also informed that the delay in execution of work is due to heavy rains and tough topography of the area. He also informed that as per earlier decision the meeting of Contractor has been held on 11th July, 2018, and it was decided that contractor shall complete the electrical work by 31st August, 2018. The EE also informed that a resident of the area has filed a Court Case against the scheme.

After deliberating upon the information given by the IPH it was decided that:

- The Deputy Commissioner, Sirmaur may convene a meeting with the District Attorney regarding the Court Proceedings in the matter.
- In case the matter is not resolved in a months' time, the matter may again be brought to the notice of Deputy Commissioner, Sirmaur at Nahan.
- The Executive Engineer, IPH shall ensure to complete all the works of scheme and make it functional by 31st December, 2018.
- A formal communication may also be made with the Secretary, IPH to bear the expenditure of maintenance of this scheme once it is made functional.
- The Ex. Engg. IPH shall also share the list of beneficiaries of both the villages, form user groups and register the same.
- The Executive Engineer IPH, to furnish the Utilization Certificate of the amount released along with demand for next instalment.

(Action by DC, Nahan, Executive Engineer, IPH, Pachhad Block)

c. Lift irrigation Scheme Barotiwala-Bodhwala-Block Poanta Sahib:

The Executive Engineer IPH Paonta Block informed that 30% of civil works are complete and about 95% of the electricity work has been completed and delay in executing the civil work is due to interference of local community as they are not allowing to pass the pipeline through their lands. The deputy Commissioner also informed about the reasons and concerns of the villagers and said that the matter could not be resolved due to local issues and therefore some alternate arrangement for laying the pipes needs to be made by the IPH Department.

After deliberating upon the information given by the IPH it was decided that:

- The Executive Engineer, IPH may change the alignment of the laying of pipelines.
- The Executive Engineer, IPH shall ensure to complete all the works of scheme and make it functional by 31st December, 2018.
- A formal communication may also be made with the Secretary, IPH to bear the expenditure of maintenance of this scheme once it is made functional.
- The Ex. Engg. IPH shall also share the list of beneficiaries of both the villages, forming user groups
- The Executive Engineer IPH, to furnish the Utilization Certificate of the amount released alongwith demand for next instalment.

(Action by Executive Engineer, IPH, Paonta Sahib Block)

The Addl. Chief Secretary (E, S&T) also suggested that solar pumps should be promoted and financed under the project so that farmers can be benefitted. After detailed discussions it was decided that:-

- At least 100 solar pumps under new schemes for irrigation purposes may be installed in the selected project area, in which 30% Gol subsidies may be obtained and some subsidy may be provided from the ongoing project so that farmer contribution may be reduced to 20%.

(Action by DC Sirmour, IPH)

Sub Comp. No. 2.1 Water Harvesting Structure Creation for Irrigation &

Sub Comp. No. 2.5 Small ponds at community level, Small run-off management measures and linking of livestock improvement in the proposed area.

The Committee was apprised that a part of Sub component No. 2.1 & 2.5 is being executed through IDP, NAHAN. The Project in charge, IDP, Nahan, Mr. Y.P. Garneria informed that under this component micro-irrigation schemes, irrigation channel and water harvesting ponds are being built up in three Blocks.

The details of completed schemes as informed is as under:

S. No.	Type of Scheme	Block			Status
		Sangrah	Pachhad	Paonta Sahib	

		Proposed	Completed	Proposed	Completed	Proposed	Completed	Balance	Complete
1	MIS	14	4	13	5	14	5	27	14
2	Kuhals	2000rmt	1000rmt	8300rmt	1100rmt	5350rmt	1850rmt	11,150rmt(24)	4550 (9)
		In all 33 Irrigation Channel sites						Work on 9 sites completed. 24 are balance	
3	Ponds	7	3	9	8	13	3	15	14
								66	37
Total								103	

He informed that 41 schemes (micro irrigation scheme, irrigation channels and village ponds) have been completed in first phase and in next phase all schemes would be completed within this year.

The Incharge IDP was directed to submit at least one geo-tagged photograph of all 41 schemes completed as is being requested time and again by the DEST. He may also ensure quality of the photographs, since these photographs will be used in publishing the success stories of the project. Therefore, very good quality geo-tagged photographs are required. Till date the photographs have not been received as per the desired specifications. The Incharge IDP agreed to provide all the photographs in a pen drive to the officers of DEST after the meeting.

The Chairman said that office of IDP Nahan is being closed and therefore will not be in a position to continue this assignment of construction of MIS, irrigation channels & village ponds in future. And hence the further assignment may be given to Block Development Officer of the Concerned Blocks. The BDO's will take over the implementation of the civil works and Rural Department shall oversee the implementation of these work. It was also decided that all the Accounts of IDP related to this Project may be closed immediately and updated progress of schemes be furnished to the DC office and the DEST.

The Chairman said that a formal letter may also be issued to hand over the charge of all the schemes which have been built by the IDP to the Rural Development Department with the following sub points:

- i. Ownership.
- ii. User Groups details.
- iii. Documents and other Inventory of the scheme.
- iv. Unique number to each Scheme (Geo-tagged photographs).

It was decided that the process of transferring the existing schemes alongwith details of proposal of construction of remaining scheme shall be completed within 15 days with under the guidance & supervision of the Deputy Commissioner, Sirmaur at Nahan.

The issue of water scarcity in Rudana Village was also discussed in the meeting. The Chairman suggested that conventional methods of harvesting water may be explored

since lifting of water using Solar Pumps may not be successful. Rain water harvesting structures in the respective areas can be prioritised and used in a bigger scale. It was also advised by the ACS that Deputy Commissioner may visit or depute BDO concerned to visit Rudana village to work out the plan for rain Water Harvesting/Storing and re-using water.

After deliberating upon the information given by the IDP it was decided that:

- Incharge IDP to submit at least one geo-tagged photograph of all 41 schemes completed as is being requested time and again by the DEST.
- The balance 66 schemes shall be built by the Block Development Officer of the Concerned Blocks and the DEST shall release the funds to the DC for further release to the BDOs.
- The IDP shall hand over the charge of all the schemes which have been built by the IDP to the Rural Development Department
- Deputy Commissioner may visit or depute BDO concerned to visit Rudana village to work out the plan for rain Water Harvesting/Storing of water.
- In order to avoid conflicts with the community, the Incharge IDP, Nahan shall obtain No Objection Certificate from the concerned Panchayat where new MIS, irrigation channel and village ponds have been proposed.
- Funds of Rs. 25, 50, 000/- under component 2.5 shall be utilized for construction of small village ponds at community level only. Keeping in view non-availability of land the size of ponds shall be reduced as per the demand and availability of the land.

(Action by Deputy Commissioner, In-charge IDP, BDOs of Pachhad, Sangraha & Paonta Block, RD Department, & DEST)

Sub Comp. No. 2.2 Moisture Management for Vegetables

The committee was apprised that under this activity the proposal of Rs. 20.00 lakhs was submitted by the Horticulture Department. But the total funds earmarked under this activity is Rs. 76,50,000. Therefore, it was decided that the Agriculture & Horticulture Department shall submit the proposal as per the funds earmarked under this activity in the following manner.

Type of Micro Irrigation	Approximate Area (in Hactor) that can be covered for in the project Location	Approximate average Cost/ Hector (As per rate given by Agriculture Dept.)	% Share from NAF after subsidies from State Govt. & Gol	Amount
Wide Spread Drip Irrigation	167	37,200	15%	9,33,750.00
Close Spread Drip Irrigation	163	90,000	15%	22,03,000.00
Micro Sprinkler	150	58,900	15%	13,25,250.00
Mini Sprinkler	200	85,200	15%	25,56,000.00

Portable Sprinkler (Will be used by Agriculture dept)	200	31,600	10%	6,32,000.00
			Total as per Section 2.2 of Costing	76,50,000.00

After deliberating upon the information it was decided that:

- The Horticulture Department shall submit the proposal as per the funds earmarked under this activity revising the earlier proposal.
- The DEST will supply the list of beneficiaries within 20 days to the Horticulture department.

(Action by Horticulture Deptt., DEST)

Sub Comp. No. 2.3 Promotion of Inter-cropping of maize and pulses and SRI cultivation in late but excess moisture condition.

Sub Comp. No. 2.4 Introduction of Legumes and other green fodder as well as early on setting cultivars of fruits.

The State Steering Committee was apprised that the Department of Agriculture, Horticulture is required to re-submit the proposal under the head in the following manner, as the proposal submitted are not as per the requirement:

Activity	Approximate Area (in Hactor) that can be covered for in the project Location per Year	Approximate average Cost/ Hector . (As per rate given by Agriculture Dept.)	% Share from NAF after deduction of subsidies from State Govt. & Gol	Amount for 4 years
Inter- cropping of maize and pulses	380	7,000	50%	53,20,000.00
SRI Cultivation	106	7,000	50%	14,80,000.00
Introduction of legumes & Fruits	170	5,000		34,00,000.00
Total	656		Total	1,02,00,000.00
Note: Total Rs. 68,00,000 is allocated for intercropping and SRI cultivation in the costing section.				

It was discussed that under the component 2.3, there is no concrete proposal submitted by the Agri and Horti Departments and they may submit their proposals at the earliest with list of beneficiaries which shall be provided by the DEST. It was decided that the Horticulture Department may introduce the following fruits varieties and may prepare demand in following manner:-

Sr. No.	Type of Crop/ plant	Amount for budget (Rs.)
1	Maize	2.00 lacs
2	Strawberry	4.00 lacs

3	Garlic-	2.00 lacs
4	Ginger	2.00lacs
5	Guava	1.00 lac
6	Pomegranate	1.00 lac
7	Litchi	2.00 lacs
8	Kiwi	1.00 lac
	Total	15 .00 lacs

After deliberating upon the information it was decided that:

- The Horticulture Department shall submit the proposal as per the funds indicated above revising the earlier proposal covering around 150 ha area for an amount maximum up to 30 lacs under this head.
- The Agriculture Department shall submit the revised proposal under this component specifically for a total Rs. 68,00,000/- which is allocated for intercropping and SRI cultivation besides proposal for the introduction of legumes.
- The DEST will supply the list of beneficiaries within 20 days to the department.

(Action by Agriculture & Horticulture Departments, DEST)

Sub Comp. No. 2.6. – Soil Testing & Soil Moisture Management:

It was also informed to the State Steering Committee that under this component an amount of Rs. 42,50,000.00 is available and the proposal from the Agriculture department has been received is only for Rs. 2.06 lacs which needs to be revised.

The Department informed that they already have sufficient budget under the head and adequate targets are given to them. Hence there is no scope to complete the activity in present form.

The Chairman said that this component can be converted into “Zero Budget Kheti” since the micro nutrient application, pest management practices practiced under Zero Budget Kheti is complementary to each other. Initially the department of Agriculture may keep a target of 150 to 200 farmers which can further be enhanced as per availability of budget.

The Committee was apprised that till date under Component No. 2 against total sanctioned fund of Rs. 9,08,25,242 an amount of Rs. 7,75,05,398 has been released by NABARD and the remaining balance Rs. 1,33,19,884 required to be released by the NABARD.

After discussion it was decided that:

- The Agriculture Department shall submit the proposal for soil testing as per the funds indicated above revising the earlier proposal covering around 900 ha area (300 ha in each block) for an amount maximum up to 10 lacs under this head.
- The Agriculture Department shall submit the revised proposal under this component for “Zero Budget Kheti” keeping in view the micro nutrient application, pest management practices, targeting of 150 to 200 farmers.
- The DEST will supply the list of beneficiaries within 20 days to the Agriculture Department.
- The Committee approved that demand for the balance funds of Rs. 1,33,19,884 may be submitted to NABARD.

(Action by Agriculture Deptts., DEST, NABARD)

Component No. 3: Development of Farmer Producer Organisation Network:

The State Steering Committee reviewed the progress under this component. It was appraised to the State Committee that under this component so far the formation of FIGs has been carried out. So far in all 1061 FIGs have been formed which are being geo-tagged. 392 FIGs in Sangrah Block covering about 6000 farmers, 419 in Paonta Block covering around 7079 farmers and 250 in Pachad Balock covering around 6000 farmers have been formed. Presently the field facilitators are working to activate these FIGs which may take one to two months time.

However, for FPO, as decided in the previous review meeting the Deputy Commissioner, Sirmaur is coordinating the setting up of Farmer Producers Organisation (FPOs) in three Blocks and Department of Industries and that the expert agency- CTRAN shall extend requisite assistance for the formation of FPO's and giving a operational framework.

The Deputy Commissioner, Sirmaur requested that a project cell- SLADRC may be established in the office of Deputy Commissioner to take care of the project related tasks in the office. The Director (Env.,S&T) suggested that one person/data entry operator can be hired from the HPNRM Society Solan or from IDP Nahan and one person can be provided to this project cell from CTRAN Consulting Ltd.

It was also proposed to install a large scale food processing plant to facilitate the FPO for making tomato puree, *Pattals* etc.

Also, in order to speed up the work to activate the FIGs it was decided that 6 motivators may be hired along with the facilitators to finish the above work in a time bound manner. The Chairman also advised DEST to write a letter to HPNRM Society at Solan requesting not to transfer the facilitators for at least six months as the formation of FIG's by the field facilitators is to be completed.

It was apprised to the committee that till date under Component No. 3 out of total sanctioned fund of Rs. 50,00,000/- an amount of Rs. 11,13,433 has been released by NABARD and the remaining balance of Rs. 38,86,567 needs to be released by NABARD.

After discussion it was decided as under:

- The GM Industry Department shall submit the proposal in consultation with CTRAN to the DC for setting up of 3 FPOs in three blocks. He will also take into consideration the other schemes of Industries Department etc. which could be linked in this endeavours within 15 days positively.
- The Field facilitators to complete the activation of FIGs in two months.
- A project cell- SLADRC shall be established in the office of Deputy Commissioner to take care of the project related tasks one person/data entry operator shall be hired from the HPNRM Society Solan or from IDP Nahan and one person shall be provided to this project cell by CTRAN Consulting Ltd.
- The DC Sirmour shall submit a proposal to install a large scale food processing plant to facilitate the FPO for making tomato puree, *Pattals* etc.
- The Committee approved to raise demand for the release of balance funds of Rs. 38,86,567 from NABARD.

(Action by DC, Sirmaur, Industry Department, M/s CTRAN, DEST & NABARD)

Component No. 4: Capacity Building of Community on Climate Smart Knowledge base and lesson learning;

The State Steering Committee was apprised that M/s CTRAN consulting was engaged and MoU has been signed between DEST & M/s CTRAN Consulting to complete the work in 30 months.

The Chairman advised the expert agency to accomplish the work as per desired standards and asked the DEST to monitor the progress on each milestone in time bound manner.

The Committee was apprised that till date under Component No. 4 out of total sanctioned fund of Rs. 6,17,00,00/- an amount of Rs. 88,73,209 has been released by NABARD and the remaining balance of Rs. 5,28,26,791 needs to be demanded from NABARD.

It was decided that:

- The expert agency may give detailed framework for formation of FPO to the Industry department within seven days.
- The training module No (iv) i.e. Training module on Efficient Pest Management may also include chapter on "Zero Budget Kheti".

- The expert agency shall submit Training module, Submit TNA Report, Conduct Agri./Horti. Extension officer Training, Conduct District level Trainings. Conduct training programme of agricultural farmers as per the time schedule of MoU signed.
- The expert agency to monitor the agri- horti plans and submit the report to DEST.
- The Committee approved that demand for the balance funds of Rs. 5,28,26,791 may be raised to NABARD.

(Action by Industry Deptt. M/s CTRAN, DEST& NABARD)

Component No. 5. Inclusion Risk Transfer Instruments:

The State Steering Committee discussed the existing schemes under risk transfer and observed that it would not be advisable to spend or utilize the available funds under sub component 5.2 in paying premium to the insurance company(s), since, it is very difficult for a poor farmer to get relief from the insurance company in case of any loss of crop due to adverse weather or changing climate occurs.

After detailed discussions the Chairman advised that instead of Insurance -an Assurance Fund may be setup with by laws- rules & regulations under the supervision of DC Sirmaur and the funds earmarked under this component could be placed under this Assurance Fund.

In case there are any losses or crop failures due to climate change etc., the relief could be given to the affected beneficiaries farmers after assessing the loss by the concerned department of Agriculture or Horticulture as the case may be.

It was also decided that ongoing insurance schemes can be customized with this project for some of farmers growing new crops as may be falling under the scheme. For that the Agri- Horti departments can submit proposals maximum upto 40 lacs, i.e. 20 lacs each department.

The Committee was apprised that till date under Component No. 5 out of total sanctioned fund of Rs. 1,37,15,534/- an amount of Rs. 16,00,000 has been released by NABARD and the remaining balance of Rs. 1,21,15,534 needs to be demanded from NABARD.

After detailed discussions it was decided that:

- An Assurance Fund shall be setup with by laws- rules & regulations under the supervision of DC Sirmaur and the funds earmarked under this component 5.2 shall be placed under this Assurance Fund. DC Sirmour shall prepare a proposal and submit to the DEST for approval and release of funds.
- The Agri- Horti departments shall submit proposals maximum upto 40 lacs, i.e. 20 lacs each department for insurance cover of eligible farmers from each block.

- The CTRAN expert agency shall assist the DC Sirmour in framing the bylaws for Assurance fund.
- The Committee approved that demand for the balance funds of Rs. 1,21,15,534 may be raised from NABARD.

(Action by DC, Sirmour and M/s CTRAN, DEST& NABARD)

Component No. 6: Project/ Programme Execution Cost

The Committee was apprised that till date under Component No. 6 out of total sanctioned fund of Rs. 1,55,33,981/- an amount of Rs. 35,97,463 has been released by NABARD and the remaining balance of Rs. 1,19,36,518 needs to be released by NABARD.

The Committee approved that demand for the balance funds of Rs. 1,19,36,518 may be raised from NABARD.

(Action by DEST & NABARD)

The meeting ended with vote of thanks from and to the Chair.

Approved by
Additional Chief Secretary (Env.,S&T) to the
Government of Himachal Pradesh.

Endst No. the Shimla dated

CC to following for information and necessary action:

1. All the members of State Steering Committee.
2. The Deputy Commissioner Sirmour at Nahan.
3. The Director Rural Development, BDO of selected Blocks.
4. The Expert Agency- M/s. CTRAN Consulting Co.
5. Guard file.

[Signature]
11/9/18

(D.C. Rana)

Director,
Department of Env. S&T,
Shimla-171001

The Director Rural Development