



Dated: 12.09.2019

Proceedings of 8th State Steering Committee Meeting of SLADRC project under National Adaptation Fund on Climate Change held on 02-09-2019 in the Committee Room, Armsdale Building, HP Secretariat Shimla-1.

1. 8th 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 2nd September, 2019 at Shimla under the Chairmanship of Shri. R.D. Dhiman, IAS, Additional Chief Secretary, (Env., S&T), Govt. of Himachal Pradesh, wherein Shri. D.C. Rana, Director, (Env., S&T), Govt. of Himachal Pradesh, Ms. Priyanka Verma, ADC, District Sirmaur, H.P., DGM & AGM (NABARD), Project Coordinator- cum- Principal Scientific Officer (Env.), Department of Environment, Science and Technology (DEST), Shimla, H.P. participated including all stakeholders from different departments i.e. Agriculture, Horticulture, Forest, Industry, BDOs & IPH and from district level all BDOs, Dy. Directors (Agri-Horti), Executive Engineer, IPH (Pachhad, Paonta Sahib & Sangrah), Representatives of M/s CTRAN consulting.

All the members, stakeholder department representatives attended the meeting as per list/attendance sheet at **Annexure-I**.

2. At the outset, the Director(Env. S&T) Himachal Pradesh welcomed the Chairman and all the Members of the Committee including participants and explained about the agenda of the meeting to all the participants. He further highlighted that the project is progressing well. He informed the Committee that the project has recently been reviewed by the MoEF&CC, GoI through video conferencing on 6th August, 2019. The MoEF&CC has appreciated the progress of the project. He apprised the Committee that the success of the project will open up more opportunities to the State in fetching more such projects under NAFCC fund in case implemented in time with successful demonstration.
3. Further, with the permission of Chair, he asked the Project Coordinator-Principal Scientific Officer (Env.), Department of Environment, Science and Technology, Shimla, H.P. to make the component wise physical and financial achievements/ status under the project besides presenting the agenda of the meeting.
4. Component wise deliberation and decisions taken in the meeting are as follows:

Agenda Item No 1

Compliance of decisions of 7th State level Project Steering Committee Meeting held on 20th March, 2019 and status of progress:

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

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

The project coordinator apprised that under this component three lift irrigation schemes are being build up in three blocks i) LIS Charna-Devlia-Block Sangrah ii) LIS Odder-Pudla-Block Pachhad iii) LIS Barotiwala-Bodhwara-Block Paonta. These schemes are being built up by IPH department. One LIS scheme of Odder Pudla in Pachhad has been inaugurated by the Hon'ble Chief Minister on 1/9/2019.

The ACS specifically directed the IPH department & BDOs & that the flood irrigation should be avoided. He suggested that the climate smart provisions for irrigation may be adopted where ever these schemes are being built up, like drip & sprinkler irrigation. He appreciated that the water is being provided to the farmers upto their fields through distribution chambers and laying PVC pipes.

He directed the representatives of the Agriculture & Horticulture Departments, representatives of expert agency M/s CTRAN consulting present in the meeting that the farmers may be sensitized by demonstrating the benefits of irrigation through drip and sprinklers.

The Committee was informed that the total sanctioned budget in the beginning was Rs. 1.51 Crores and after the approval by the Committee in its 7th Meeting held on 20th March 2019 an additional amount of Rs. 32.73 lakhs was approved and released to IPH Department. Hence, the total cost of the scheme increased to ~ Rs. 1.84 Crores for LIS Charna-Devlia-Block Sangrah. Now, the IPH department, Pachhad has submitted the requirement of additional funds of Rs. 17.62 lakhs for extra works to be executed as per topography and demand of the public/farmers of the area under following components:

- i) Protection wall for electrical transformer and sump well.
- ii) Additional chambers 10 No. as per farmers demand.
- iii) Additional pipe for linking additional chamber of the fermers.
- iv) Fencing and approach stairs for pumping stations.

The Committee was informed that the works of Lift Irrigation Scheme of Charna-Devlia-Block Sangrah and Lift Irrigation Scheme Barotiwala-Bodhwara-Block Paonta are about to completion. The ACS directed the representative of IPH to complete these schemes immediately in view of project closure date.

After detailed discussions the following decisions were taken:

- i) The Committee approved to release the additional funds of Rs. 17.62 lakhs required for the proposed extra works under LIS Odder-Pudla-Block Pachhad out of the Savings under component 2 subject to the submission of estimates for different components to be created under proposal and completing all codal formalities.

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- ii) The implementing agency shall ensure to avoid uncovered/flood irrigation and provide water to the farmers through irrigation pipes.
 - iii) The completion and implementation of other two LIS schemes shall be ensured by Deputy Commissioner and shall be reviewed regularly in district level technical advisory committee.
 - iv) The Committee decided that the scheme may be handed over to IPH Pachhad for running and O&M in future.

(Action by DC &, Executive Engineer, 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 as part of Sub component No. 2.1 & 2.5 41 schemes (MIS, Village Ponds, and Irrigations Channels) have been completed through IDP, Nahan and made operational in three blocks and at present 11 MIS schemes are under construction through BDO, Paonta Sahib, 15 schemes through BDO, Pachhad and 15 Schemes through BDO, Sangrah Blocks for which 100% advance funds have been released.

The ACS directed all the concerned BDOs to expedite the implementation of schemes since all other activities and training to the farmers are directly linked with the completion of these schemes. The BDO's reported the progress as under:

- BDO, Paonta Sahib informed that 7 schemes have been constructed and 4 are under progress.
- BDO, Sangrah informed that informed that 5 schemes have been constructed and 8 are under progress.
- BOD, Pachhad informed that informed that the construction of all the schemes is in progress.

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

- The BDOs shall complete all these schemes within a month of period.
- The BDOs shall share the list of beneficiaries with the DEST in fifteen days.
- The ADC shall review the progress of the schemes with convergence of different micro watershed schemes.
- The BDO concerned shall share the geo-tagged pre-construction photographs of all the schemes with DEST. The BDOs shall submit geo-tagged photos of construction phase and post-construction phase, i.e. three stage photographs shall be submitted pre-construction, during and after construction.

(Action by BDOs of Pachhad, Sangra & Paonta Block, RD Department, & DEST)

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- Sub Comp. No. 2.2 Moisture Management for Vegetables**
- 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.**
- Sub Comp. No. 2.6. Soil Testing & Soil Moisture Management**

The Committee was apprised about the progress on the activities being carried out by Horticulture & Agriculture Departments as per earlier decision and the funds have also been released to the Departments.

Following activities have been proposed by the Horticulture Department to be implemented under this component:

Sr. No.	Components	Total Area	Proposed Cost
1.	Moisture Management and area to be covered under drip irrigation	72.00 Ha.	70.49 lakhs
2.	Early on-setting cultivars of fruits	20.66 Ha.	9.36 lakhs
	Total		79.85 lakhs

Total amount of Rs. 76.50 lakhs have been released to the Horticulture Department in the month of January, 2019. Progress on this activity is to be reviewed before the Committee.

Information received from the office of Dy. Director Agriculture, Nahan placed before the Committee that total Rs. 27.66 lakhs have been utilized out of Rs. 72.72 lakhs as per the following components:

Sr. No.	Components	Target	Achievement	Physical
3.	Moisture Management for Vegetable	6.32	0	0
4.	Inter cropping of maize and pulses	26.6	22.38	242 qtls maize & 30 qtls Mash distributed
5.	Vegetable cultivation	14.8	6.01	60 kg. vegetable seeds (tomato, capsicum brinjal, cucumber, radish, okra) distributed
6.	Introduction to legumes and other fodder	19	6.45	243.74 qtls green fodder introduced
7.	Introduction of maize and ginger	6	3.82	22.78 qtls of maize & 6.60 qtls of ginger
		72.72	27.66	

The Dy. Director, Horticulture informed that they also intends to apply wheat and mustard under intercropping during the upcoming season.

The ACS expressed his serious concern over delayed preparation and implementation of Agriculture/Horticulture. The ACS specifically directed Ms. Priyanka Verma, ADC Sirmour present during the meeting that the execution of these activities may be expedited and she

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may convene meeting with Agriculture & Horticulture departments at district level. He said that there is a great scope of success, if these activities are implemented in convergence with the existing schemes of Agriculture & Horticulture Departments. The ADC may ensure to expedite the execution of the activities in convergence with existing scheme with field functionaries viz. Dy. Director Horticulture & Agriculture and extension officials.

After deliberating upon the following decision were taken:

- The ADC will review the preparation and implementation of Agri/Horti Plans to expedite the execution of the activities in convergence with existing scheme with field functionaries viz. Dy. Director Horticulture & Agriculture and that plans are prepared and the activities are completed within three months.
- In order to expedite the implementation, the DC Sirmaur may hold review meeting to see progress at district level. The Dy. Director Agriculture & Horticulture shall ensure the quantitative progress on implementation of agriculture & horticulture plans as per requirement of project in time bound manner.
- The list of FIG around LIS, MIS, Ponds and Irrigation Channels shall be shared with the Agriculture & Horticulture Departments. The Field Facilitators shall coordinate with Agriculture & Horticulture Departments for this purpose. The Field Facilitators shall give the list of farmers to Horticulture/Agriculture Departments with demands of fruit plants, seed requirements etc.

(Action by District Administration, Agriculture & Horticulture Deptts.)

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 total 498 Farmer Interest Groups (FIGs) covering more than 15,000 beneficiaries has been registered/ inventorized.

It was appraised that the Deputy Commissioner, Sirmaur is coordinating the setting up of Farmer Producers Organisation (FPOs) in three Blocks with Department of Industries and that the expert agency - CTRAN to extend requisite assistance for the formation of FPO's and giving a operational framework.

The ACS expressed his serious concern upon slow progress on the formulation of FPOs. The Manager, DIC Sirmaur explained that earlier setting up of tomato purely unit was proposed but the industry is only feasible when the tomato are available @ of Rs. 8-10 per kg. However, farmers of the area are already getting higher rates on their crop and they may not be willing to supply their crop in less rates to the unit. He also said that availability of land is another constraint in setting up of such units.

The ACS advised the ADC to proactively deal with this component. He said that the scope of FPOs may not be limited to making tomato purely but also to create cluster storage, cold storages etc. He suggested that there are many latest technologies we can work on, such as Individual Quick Freezing (I.Q.F.) is one of the latest technology available in freezing to preserve and store raw fruit and vegetables in the same farm-fresh condition for more than a

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year, with the colour, flavour and texture of produce remaining as good as fresh from the farm. He said that setting up of such small units may not require large area of land.

He directed the ADC Sirmaur, Manager (DICs) to explore possibility of setting up of units on such technologies and other aspects. He directed them to personally visit the panchayats and come up with feasible model in collaboration with expert agency M/s CTRAN consulting, Horticulture & Agriculture Departments within in a months of time.

After discussions, it was decided that:

- The ADC Sirmaur & Manager (DICs) to work/ prepare a feasible model w.r.t. establishing and functioning of FPOs in collaboration with expert agency M/s CTRAN consulting, Horticulture & Agriculture Departments and submit the proposal within a one month of time to the DEST to hold meeting with all stakeholders.
- The Field Facilitators engaged with the project shall also assist and facilitate ADC and Industry Department in formulation of the FPOs.

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

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

The State Steering Committee was apprised that this component is being implemented through and expert agency M/s CTRAN consulting. The Committee was apprised that training of Agriculture Extension Officers has been completed and report has been submitted. Further, as per the MoUs signed M/s CTRAN consulting the following 7 training modules have been published and submitted by the agency in both Hindi & English Language including information brochures:

1. The drought resilient varieties & cropping systems.
2. Efficient water management systems including micro-irrigation for water use efficiency.
3. Management of soil nutrition including practices to enhance soil organic carbon.
4. Efficient pest control through integrated pest management.
5. Agro-met advisory plan as per local water conditions.
6. Governance aspects of community institutions and convergence.
7. Farmers Producers Organizations (FPOs) & climate change adaptation.

Total 12 trainings covering more than 300 Extension Officers of Agriculture & Horticulture Department have been completed and the report has been prepared and submitted. The Committee was also informed that trainings of the lead farmers is being conducted in three blocks of district Sirmaur.

After discussions it was decided that:

- The DEST shall share the training modules developed with the the Ministry of Environment, Forest & Climate Change, GoI, NABARD, Administrative

Secretaries of Himachal Pradesh, HODs & concerned stakeholders departments like Rural Development, Agriculture, Horticulture & IPH etc.

- The expert agency M/s CTRAN consulting shall complete the trainings and other activities as per the terms and conditions of the MoU and adhere to the prescribed time line. The agency shall ensure to distribute the training modules to the trainees attending capacity building trainings.
 - The M/s CTRAN consulting to submit the training calendar within 15 days.
- (Action by M/s CTRAN, DEST)

Agenda Item No. 2

Approval & Launch of Project web portal.

The Director (DEST) informed that in order to disseminate the activities of the NAFCC project a web portal has been developed. The web site has been hosted on url: www.slarde.in. He explained that this web portal contains all the information from its inception to the execution. All State & district level meeting details, GIS based maps of activities with monitoring through geo-tagged images (Pre-construction, construction & post construction phase), Study Report, Training Modules, IEC Material, Field visit photographs, videos are available in the portal.



The State Project Steering Committee approved and launched the web portal and directed the DEST to keep updating the project information on the web portal.

Agenda Item No. 3

Expenditure approval.

The Committee was apprised about release of the 3rd instalment of Rs.5.00 Crores by MoEF&CC, GoI through NABARD and against which an amount of Rs.4,85,43,689.00 have been released to DEST. after deducting 3% as project cycle management fee i.e. Rs. 14,56,311.00. Till date total Rs.14,56,31,067.00 have been released by NABARD in three instalments out of Rs.19.40 Crores (*Total Sanctioned Amount Rs.20.00 Crores less 3% programme management fee by NABARD*).

As per the MIS of Utilization Certificate submitted to the NABARD upto 30/6/2019 total funds utilized is Rs. 10.04 crores out of Rs. 14.56 crores. The component wise expenditure is as under:

Sr. No.	Component & Activities	Budget Sanctioned	Funds Released	Expenditure	Status
1.	C-1 Drought related vulnerability assessment - Climate Change Vulnerability and List of Beneficiaries	74,00,000.00	43,97,875.00	43,97,875.00	Completed
2.	C-2 Climate smart package of practices for the district - Water harvesting structure creation: 3 LIS through IPH Department, about 102 small schemes (MIS, Irrigation	9,08,25,242.00	8,95,25,242.00	7,87,44,600.00	In process

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Sr. No.	Component & Activities	Budget Sanctioned	Funds Released	Expenditure	Status
	Channels, Village Ponds) through IDP & BDOs) - Activities through Agriculture & Horticulture Departments (Moisture Management, Promotion of Inter cropping, Introduction of legumes & fodder, micro nutrient & soil moisture)				
3.	C3: Development of Farmer Producer Organisation Network - Engagement of Field facilitator through IDP for formation of FIGs, Setting up of FPOs through Dy. Commissioner.	50,00,000.00	41,64,500.00	17,97,937.00	In progress
4.	C4: Capacity Building of community on climate smart knowledge base and lesson learning - Signed MoUs with M/s CTRAN consulting after completion of all codal formalities through bidding process. The approval of the Hon'ble Chief Minister accorded for the purpose. - Development of Training Modules, Training / Orientation of target farmers on climate resilient agriculture / horticulture; co-ordination and monitoring of agricultural and horticultural plans is being done through the selected agency i.e. M/s CTRAN	6,17,00,000.00	3,48,78,209.00	1,13,14,593.00	In progress
5.	C5: Inclusion risk transfer instruments - Setting up of Assurance fund through Dy. Commissioner.	1,37,15,534.00	76,57,000.00	16,00,000.00	In progress
6.	C6: Project/Programme Execution cost - Organization of State Steering Committee & District Technical Committee and other project execution cost as per the approved activities	1,55,33,981.00	50,08,241.00	25,89,259.00	In progress
7.	NABARD Cost	58,25,243.00			
	Total	20.00 Crores	14,56,31,067.00	10,04,44,264.00	

It was informed that the above expenditure has been carried out after approval of the competent authority. The quarter wise UCs have been furnished through MIS and submitted to the NABARD.

The State Steering Committee approved the total expenditure of Rs. 10.04 Crores incurred upon, for implementation of the project.

Approval for Creation of Assurance Fund.

As per the decision of the State Level Project Steering Committee meeting held on 05.09.2018 for the creating Assurance Fund, after approval of the District level Technical Committee the draft Assurance Fund was placed for final approval of the State Project Steering Committee. The Committee is apprised that the concept of Assurance Fund has also been discussed with the MoEF&CC and NABARD. The Ministry has asked to share the copy of the same for further perusal.

The ACS appreciated the efforts of the Department in framing Assurance Fund. He said that this fund will be very helpful to compensate the farmers at least from the damage occurred to their crops due to adverse impacts of climate change risks.

The Committee after detailed discussions approved the Assurance Fund and decided that the Assurance fund shall be executed as per the by-laws, rules & regulations framed.

Agenda Item No. 4

Proposal for installation of Solar pump based Lift Irrigation Schemes to village Kathad in Block Pachhad, District Sirmaur, IHP Department for approval.

The Committee was apprised that a proposal has been received from the office of Dy. Commissioner, Sirmaur to be executed by the IHP Department, regarding setting up of Solar Pump based Lift Irrigation Scheme to village Kathad in Gram Panchayat Kathad Tehsil Pachhad, District Sirmaur with estimated cost of Rs. 18.23 Lakhs only. The village Kathad is situated 8.00 kms. away from National High Way near Naina Tikker. The total population of the village is 275 person. There is no water source or irrigation scheme in the village. People of the area are very hard working and depend on rain water which is being tapped in small ponds. People grow cash crops, vegetables in limited quantity due to non-availability of irrigation facility. The villagers are agreed to give their land for the purpose without any financial compensation. Farmer user groups for use and maintenance of the scheme shall be formed for this scheme.

It was informed that as per the vulnerability assessment report prepared for panchayats and villages the Kathad village of Kaghad Panchayat is also highly vulnerable to the climate change.

It was also informed that Rs. 60.17 lakhs are available under Activity-1 of the Component 2 as per MIS report submitted to the Ministry. This fund may be utilized for implementation of proposed solar based Lift Irrigation Scheme.

After detailed discussions, it was decided that:

- i) The Committee approved proposal for setting up of Solar Pump based Lift Irrigation Scheme to village Kathad in Gram Panchayat Kathad Tehsil Pachhad,

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District Sirmaur with the financial budget of Rs. 18.23 Lakhs with the condition that no additional funds will be provided. The IPH Department shall be responsible for future O&M of the scheme through Farmer User Groups. The IPH Department shall execute the scheme after obtaining all codal formalities.

(Action by DC Sirmaur, IPH Department)

The ACS (Env.,S&T) to the GoHP in his concluding remarks said that this is one of the project sanctioned under NAFCC by Ministry of Environment, Forest & Climate Change which can become model project for other States. Its timely and successful completion is very important. We look forward for its successful implementation and completion in time bound manner.

The meeting ended with vote of thanks to the Chair.



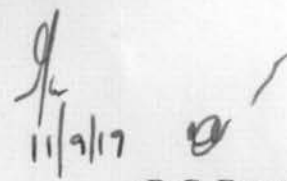
(R.D. Dhiman)

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

Endst No. the Shimla dated 2019.

CC to following for information and necessary action:

1. All the Members of State Steering Committee.
2. The Expert Agency- M/s. CTRAN Consulting Co.
3. Guard file.



(D.C. Rana)

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