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Minutes of the 4th Meeting of State Level Steering Committee (SLSC) on Climate Change held on 04.09.2018 at 03:30 P.M. under the Chairmanship of Chief Secretary to the Government Haryana in Main committee Room, 4th Floor, Haryana Civil Secretariat, Sector 1, Chandigarh.

The list of participants is annexed as **Annexure-A**

At the outset, Additional Chief Secretary, Environment & Climate Change welcomed the Chair and participants. He apprised the committee that after the preparation of State Action Plan on Climate Change (SAPCC) in accordance with the National Action Plan on Climate Change (NAPCC), two projects were sanctioned by Ministry of Environment, Forests and Climate Change (MOEF&CC), Government of India under National Adaptation Fund for Climate Change (NAFCC) as adapting measures to counter the effects of Climate Change. The progress of the project "Scaling up Climate Smart Resilient Agriculture practices towards climate smart villages in Haryana" is not as per action plan submitted by Agriculture & Farmers' Welfare Department during approval of the project. Out of Rs.22.09 Crores sanctioned for the project, the first installment of Rs.4.07 Crore was released on 09.01.2017 in the first phase which has not yet been utilized in accordance with the six monthly Action plan submitted by Agriculture Department. Whereas, the second project, is mainly for crop diversification for which Rs.5.99 Crore have been utilized out of Rs.7.56 Crore released for the purpose. Chief Secretary, Haryana inquired about the non-utilization of funds of first installment in spite of lapse of one and a half year since the release of funds which is a matter of great concern. Chief Secretary, Haryana advised to hold a meeting of concerned departments under ACS (E&CC) to review the two projects sanctioned under National Adaptation Fund for Climate Change (NAFCC).

It was also intimated that the project "Mitigating climate change and enhancing adaptations for farmers through agro forestry in Haryana" was submitted under Green Climate Fund (GCF) by Forest Department is still lying with NABARD for revision as per the observation of MOEF&CC, GoI. AGM, NABARD intimated that three components are to be added to the project which are i) Sub surface drainage (Agriculture & Farmers' Welfare Department, ii) Inclusion of Solar Pumps (HARIDA) and iii) Integrated farming systems (CCSHAU).

Chief Secretary, Haryana stressed upon that the project shall be finalized within one month after consultation with the concerned departments being a prestigious project on climate change.

A brief presentation was carried out on the funds utilization, action plan, status of implementation of three projects sanctioned under National Adaptation Fund on Climate Change (NAFCC) Green Climate Fund (GCF). Also, the two projects titled i) **Development of Climate Resistant Biosphere to enhance the livelihood of local communities** ii) **Preparing Haryana for Climate Change Adaptation** which were approved by State Advisory Group (SAG) in its 8th Meeting held under the Chairmanship of ACS (Env.&CC) on 16.07.2018 were also discussed at length.

Chief Secretary, Haryana stressed upon that the land used for Biosphere should not be a fertile land and in this reference, representative of CCS HAU informed that 300 Acres of land is a waste land and is useful for creation of Biosphere which will help in the conservation of flora and fauna. It was further intimated that the number of migratory birds will increase from 7 to 15, resident bird species 80 to 110, aquatic flora 14 to 30, aquatic fauna 20 to 55, wild animal species 25 to 35, fruit trees 21 to 37, timber trees 49 to 150, aesthetic trees 21 to 50 and medicinal plant species 165 to 300 approximately.

ACS (E&CC) further intimated that State Action Plan on Climate Change (SAPCC) is also to be revised in reference to India's Intended Nationally Determined Contribution (INDC) (**Annexure-I**) for which eight working groups i.e. 1. Sustainable Agriculture 2. Water Resources 3. Forest, Environment & Biodiversity 4. Sustainable Habitat 6. Knowledge Management and Skill Development 7. CC after 8. Mountain Ecology are to be constituted to write the relevant chapters. Activities to be proposed for climate action in a particular group.

PS, Irrigation and Water Resources Department will be the member in rank. A detailed Working group must not below than the HoD/C of projects sanctioned deliberations was held on the a funds status, activities of eight working under NAFCC, status of project submitted and

groups under the Administrative Head of respective department. The time line for revision of State Action Plan on Climate Change (SAPCC) has also been discussed in the meeting. The following decisions were taken in the meeting:-

Agenda: 1:

- (a) **Review of the project titled "Scaling up climate smart resilient agriculture practices towards climate smart villages in Haryana"**
- (b) **Review of the project titled "Climate Resilient Building among farmers through crop residue Management"**

A meeting shall be convened under the Chairmanship of Additional Chief Secretary, Environment & Climate Change to review the two projects implemented by Agriculture & Farmer's Welfare Department titled (1) Scaling up Climate Smart Resilient Agriculture practices towards Climate smart villages in Haryana (2) Climate Resilient Building among farmers through Crop Residue Management sanctioned under NAFCC for reviewing the progress of these projects as per the action plan submitted by Agriculture & Farmers' Welfare Department.

Time Line: One Month

Responsibility: Environment & Climate Change Department

Agenda: 2:

Review of Project titled "Mitigating Climate Change and Enhancing Adaptations for farmers through Agro-forestry in Haryana"

The NABARD shall convey the suggestive components to the Haryana Forest Department, Agriculture & Farmers' Welfare Department, HAREDA and CCSHAU, immediately for incorporating the comments into the project. The project required to be submitted within a month as the project has already been pending by more than four years.

Time Line: One Month

Responsibility: NABARD

Agenda: 3: Projects Prepared by line departments under NAFCC

- (a) **Development of Climate Resilient Biosphere to enhance the livelihood of local communities**
- (b) **Preparing Haryana for Climate Change Adaptation**

Project a) Project titled "Development of Climate Resilient Biosphere to enhance the livelihood of local communities" is very important project in view of conservation of endangered and the threatened species of flora and fauna, in the State. The project is approved by SLSC for further submission to National Level Steering Committee (NLSC), MoEF&CC for further approval under NAFCC.

Project b) Project titled "Preparing Haryana for Climate Change Adaptation" is approved with a condition that chapter (B) shall be added as the extension activities to be carried out with the concerned departments which have to utilize the outcome of 10 studies being carried out. It was also approved that attributal study on stubble burning must also be carried out under this project.

Time Line: One Month

Responsibility: HARSAC and HSPCB

Agenda: 4:

- (a) **Revision of the State Action Plan on Climate Change (SAPCC) in the light of India's Intended Determined Contributions (INDC)**
- (b) **Constitution of Working Groups**

Eight Working Groups:-

The groups, namely (i) Sustainable Agriculture (ii) Water Resources (iii) Forest and Environment including by Biodiversity (iv) Energy (v) Sustainable Habitat (vi) Knowledge Management and Skill Development (vii) Industry and (viii) Mountain Ecology are approved with the Administrative Head as the Chairman of the respective groups (**Annexure-II**).

UNDP will be the knowledge partner for the revision of State Action Plan on Climate Change (SAPCC). It is decided that the final draft of SAPCC shall be submitted to MoEF&CC for approval by July, 2018. The time line for revision of SAPCC is at **Annexure-III**.

Meeting ended with the **Vote of Thanks** to the Chair.

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Annexure I.

INDC Goals (INDIA'S INTENDED NATIONALLY DETERMINED CONTRIBUTION:)

1. ***Sustainable Lifestyles*** - To put forward and further propagate a healthy and sustainable way of living based on traditions and values of conservation and moderation.
2. ***Cleaner Economic Development*** - To adopt a climate friendly and a cleaner path than the one followed hitherto by others at corresponding level of economic development.
3. ***Reducing Emission intensity of Gross Domestic Product (GDP)*** - To reduce the emissions intensity of its GDP by 33 to 35 percent by 2030 from 2005 level.
4. ***Increasing the Share of Non Fossil Fuel Based Electricity*** - To achieve about 40 % cumulative electric power installed capacity from non-fossil fuel based energy resources by 2030 with the help of transfer of technology and low cost international finance including from Green Climate Fund (GCF).
5. ***Enhancing Carbon Sink (Forests)*** - To create an additional carbon sink of 2.5 to 3 billion tonnes of CO₂ equivalent through additional forest and tree cover by 2030.
6. ***Adaptation*** - To better adapt to climate change by enhancing investments in development programmes in sectors vulnerable to climate change, particularly agriculture, water resources, Himalayan region, coastal regions, health and disaster management.
7. ***Mobilizing Finance*** - To mobilize domestic and new & additional funds from developed countries to implement the above mitigation and adaptation actions in view of the resource required and the resource gap.
8. ***Technology Transfer and Capacity Building*** - To build capacities, create domestic framework and international architecture for quick diffusion of cutting edge climate technology in India and for joint collaborative R&D for such future technologies.

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Annexure - II

The following eight working groups have been constituted for the revision of State Action Plan on Climate Change (SAPCC).

Working Group/ Sector	Priority Issues (to be updated in Consultation with Working Groups)	Administrative Departments	Convener of the Working Group	Chairman of the Working Group
Group 1. <u>Sustainable Agriculture</u>	<ol style="list-style-type: none"> 1. Watershed Management 2. Water Scarcity 3. Rainfed Agriculture 4. Minimum support price 5. Crop management and rotation 6. Group water depletion and Irrigation 7. Precision Farming 8. Water management 9. Soil Health 	<ol style="list-style-type: none"> 1. HOD of Agriculture Department 2. HOD of Rural Development 3. HOD of Fisheries Deptt. 4. HOD of Animal Husbandry 5. HOD/Chief Engineer of Irrigation Deptt. 6. HOD/Chief Engineer of Public Health & Engineering Deptt. 7. HOD/Chief Engineer of Soil Conservation 8. HOD of Horticulture Deptt. 9. HOD/Special Secretary Finance Department 10. HOD of CCSHAU Hisar 11. HOD of CGWB, Chd. 	Director, Agriculture Deptt. Hry.	Principal Secretary, Agriculture Deptt. Haryana
Group 2. <u>Water Resources</u>	<ol style="list-style-type: none"> 1. Irrigation 2. Recycle of treated water 3. Catchment Protection 4. Rainwater harvesting 5. Water logging 6. Ground water depletion 	<ol style="list-style-type: none"> 1. HOD of Agriculture Department. 2. HOD of Fisheries Deptt. 3. HOD of Disaster Management Cell 4. HOD/Chief Engineer of Irrigation Deptt. 5. HOD of Public Health Deptt. 6. HOD of Horticulture Deptt. 7. HOD /Special Secretary Finance 8. PCCF of Forest Department 9. Dean, Environment Department, Guru Jambheshwar University, Hisar. 10. HOD of Urban Local Bodies Department 11. MD HSIIDC 12. Chief Administrator, HUDA 	Chief Engineer, Public Health Department.	Additional Chief Secretary, Public Health Department. Haryana.
Group 3. <u>Forest & Environment</u>	<ol style="list-style-type: none"> 1. Combatting deforestation and forest degradation to 	<ol style="list-style-type: none"> 1. PCCF of Forest Department 2. HOD of Agriculture & Farmer Welfare Deptt. 	PCCF, Forest Department.	Additional Chief Secretary, Forest Deptt.

<u>including Biodiversity.</u>	combat adverse effects of climate change on biodiversity and Forest. 2. Impact of climate change on Wild life and its habitats. 3. Effect of Climate Change on ecosystems services, biodiversity carbon cycle.	3. HOD/ Special Secretary of Finance Department. 4. HOD of Horticulture Department Haryana. 5. HOD of Indian Institute of Soil & Water Conservation Karnal 6. HOD of the Botany Department, CCSHAU, Hisar		Haryana
Group 4. <u>Energy</u>	1. Solar Energy 2. Energy Efficiency	1. HOD of Industry Department 2. HOD of Agriculture & Farmers Welfare Department 3. HOD/Chief Engineer of Irrigation Department 4. HOD of Science & Technology Department 5. HOD of HAREDA 6. HOD/Special Secretary Finance Department 7. Director Institute of Environment Study, Kurukshetra University, KKR. 8. HOD of Environment Department, Deen Bandhu Sir Chhotu Ram Science, Engineering & Technology, University Murthal, Sonapat	Director, HAREDA	Additional Chief Secretary, Power Deptt. Haryana
Group 5. <u>Sustainable Habitat</u>	1. Transport 2. Integrated Waste Management 3. Drinking Water 4. Energy conservation Pollution abatement	1. HOD of Town & Country Planning Department 2. HOD of Urban Local Bodies Department 3. Chief Administrator, HUDA 4. HOD of Transport Department 5. HOD/Chief Engineer	Chief Administrator, HUDA.	Principal Secretary, Town & Country Planning Deptt.

		<p>of Irrigation Department</p> <ol style="list-style-type: none"> 6. HOD/Chief Engineer of Public Health & Engineering Deptt. 7. Member Secretary of HSPCB 8. HOD of Finance Department 9. HOD of Health Department 10. HOD/Managing Director of Power Department 11. HOD/Chief Engineer of PWD (B&R) 12. HOD/Chief Engineer of HSIIDC 13. Chairman, Environment Department, Chaudhary Devi Lal University, Sirsa 		
<p>Group 6.</p> <p><u>Knowledge Management and Skill Development</u></p>	<ol style="list-style-type: none"> 1. Research & Development 2. Filling up of Knowledge Gaps 3. Capacity Building 	<ol style="list-style-type: none"> 1. HOD of Science & Technology Department 2. HOD/Chief Engineer of Irrigation Department 3. HOD/Special Secretary Finance Department 4. HOD/Chairman, Environment Department, Guru Jambheshwar University, Hisar 5. HOD of Environment Department, Deen Bandhu Sir Chhotu Ram Science, Engineering & Technology, University Murthal, Sonapat 6. Director, Institute of Environment Study, Kurukshetra University, KKR. 7. HOD/Chief of Rural Development Department 	<p>Director, Science & Technology Deptt.</p>	<p>Additional Chief Secretary, Science & Technology Deptt. Haryana</p>

Group 7. Industry	<ol style="list-style-type: none"> 1. Pollution (Water & Air) 2. Inventory of GHG 	<ol style="list-style-type: none"> 1. HOD of Industries Department 2. HOD/Chief Engineer of Irrigation Department 3. HOD/Special Secretary Finance Department 4. Head of Environment Sciences Deptt. MDU, Rohtak. 5. HOD of Public Health Department 6. HOD of Urban Local Bodies Department 7. HOD/ Chief Administrator HUDA 8. PCCF Forest Department 9. HOD/Special Secretary Power Department 10. MS, HSPCB 	MS, HSPCB	Chairman Haryana State Pollution Control Board.
Group 8. Mountain Ecology	<ol style="list-style-type: none"> 1. Conservation of Mountain Lower Shivalik Region, ecology and ecosystem services in context to climate change. 2. Livelihood generation, crop diversification, soil and water conservation techniques. 3. Check the migration from Hilly to plain areas. 	<ol style="list-style-type: none"> 1. PCCF of Forest Department 2. HOD/Chief Scientist of HARSAC, Hisar 3. HOD of Agriculture & Farmers Welfare Department 4. HOD of Department of Rural Development 5. HOD of Horticulture Department 6. HOD/Chief Engineer of Irrigation & Water Resources Department 7. HOD/Chief Executive Officer of Shivalik Development Agency, Ambala 8. HOD of Mine and Geology Department 	Director, Rural Department Deptt. Haryana.	Additional Chief Secretary, Forest Deptt. Haryana.

- i. Each working group shall be headed by the Chairman, as mentioned against the respective Working Groups.
- ii. The members of the Working group shall comprise of the Head of Department / Chief Engineers from the concerned Departments, as mentioned against each Working Groups.
- iii. Convener of the Working Groups shall convene the meeting of the Working Groups and keep the record of the meeting and also get prepared the chapters from the line Departments.
- iv. The chapters of the draft of SAPCC shall be prepared as per the time-line.
- v. UNDP will provide the support and backup to all Working Groups including the basic and essential information on INDC goals and State Action Plan on Climate Change (SAPCC). The contact details of the UN agency expert is as under:-
Vikas Verma
Head of State Office, UNDP
0172-2740188
- vi. The Environment and Climate Change Department will be the Nodal agency for the preparation of SAPCC.
- vii. Chairperson, Working Groups may co-opt representative from other stakeholder (private sector, universities/educational institutions, panchayats, civil society) to assist the particular working group.