



World Bank Assisted

**State of Maharashtra's Agribusiness and Rural
Transformation (SMART) Project**

**Progress Report for
4th Implementation Support Mission of World Bank
12-16 Dec. 2022**

**Compiled By
Project Co-ordination & Management Unit (PCMU)
Department of Agriculture, Government of Maharashtra**

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Executive Summary

1. Department of Agriculture, Government of Maharashtra is implementing the World Bank Assisted Hon. Balasaheb Thackeray Agribusiness & Rural Transformation (SMART) Project. The project effectiveness date is 23rd March 2020. The Project Development Objective (PDO) of SMART is to “support the development of inclusive and competitive agriculture value chains, focusing on small holder farmers and agri-entrepreneurs in Maharashtra.”
2. The PDO is being achieved by expanding access to new and organised markets for producers and enterprises with complementary investments in technical services and risk management capabilities. The project is supporting following interventions:
 - a) Enhancing Institutional Capacity to Support Agricultural Transformation
 - b) Expanding Market Access and Supporting Enterprise Growth; and
 - c) Building Risk Mitigation Mechanisms.
3. Project became effective in March 2020 and at the same time in the same month Covid pandemic lockdown started. This hampered the initiation and further implementation of the project. However, the project was launched virtually by Hon. Chief Minister on 10th September 2020 just before disastrous second wave of pandemic. Approximately 3.00 lakh farmers from all the districts of State participated in the Facebook & Youtube live project launch ceremony.
4. The project team finalized the ToRs of various consultancy services, prepared project implementation guidelines, prepared web-based application for inviting applications from Community Based Organization (CBOs), published Call for Proposal during the lock down period.
5. The project team conducted extensive online outreach program for government staff, CBOs and farmer groups regarding SMART project and about how to fill online application forms etc. 11,000 CBOs and Producer Groups registered online and out of which 5764 CBOs submitted the application forms.
6. Meanwhile, project developed the detailed evaluation format to scrutinize the applications. Project finalized district wise targets of CBOs considering different commodities, area under cultivation, agro-climatic & demographic conditions, all kinds of eligible CBOs mobilized from all the Project Implementing Units etc.
7. Project developed detailed forms for preparation of Full Project Proposals (FPPs) including Financial Calculator in Excel to support shortlisted CBOs for preparing business proposals. Project also empaneled Chartered Accountant Firms & trained them to help the CBOs for preparation of FPPs, although it was not mandatory for CBOs to avail services empaneled CA firms.
8. Project on-boarded consultancy firm for preparation of TNA, Training of Trainers, preparation of training modules, gender mainstreaming modules, audio-visual clips etc. Project trained 100 Master Trainers to guide the CBOs for preparation of business proposals (FPPs), undertake social & environment screening, procurement activities, etc. These master trainers in turn later trained in house staff and 1188 CBO Board of Directors.
9. Till date project has given primary sanction to 963 CBOs, out which 505 CBOs have submitted the FPPs, State Project Approval Committee (SPAC) has given approval for 424 FPPs

amounting to the project cost of Rs. 816.57 crores and out of which project grants share is Rs. 488.65 crores. First tranche of grants has been released to 100 CBOs amounting Rs.56.40 crores.

10. Through sanctioned projects storage capacity of 1.77 lakh MT of grains would be created through new warehouses, 36,000 MT of onion can be stored through proposed onion storage structures and 10,000 MT of fresh fruits & vegetables would be stored through proposed cold storages.
11. Under Component A project is enhancing institutional capacity to support agricultural transformation, in which realignment & strengthening of Dept. of Agriculture is under process and the proposal is submitted to GoM. The System Integrator is onboarded and for integration of various applications & softwares of Dept. of Agriculture the process is initiated. VANAMATI is engaging with leading domestic institutes for capacity building of DoA staff.
12. Under Component A existing functions within the Director of Marketing (DoM) and core technical areas are being strengthened to support the agricultural marketing reforms, to enable ease of doing business (EODB) and establish robust dispute resolution system. Under SMART project DoM developed marking criteria of Agriculture Produce Marketing Committees (APMCs) in the State and accordingly APMC Rankings were published, which is done only by Maharashtra in the country.
13. For establishing Commodity Stewardship Councils (CSC) consultant is on boarded. Registration of Grapes stewardship council is at final stages. Feasibility study to shortlist and recommend other commodities to form CSCs is ongoing and simultaneously stakeholder consultations for potential crops is also initiated.
14. Under Market Access Support PIU, Agriculture is implementing Value Chain Development Schools (VCDS) for member farmers of the selected CBOs under the project. Crop demonstrations, Farmer Field School (FFS), tech-market meets, training cum exposure visits are being conducted.
15. Complimentary Innovation Investments (CII) subproject of SMART aims to pilot, disseminate and adopt innovative technologies. SMART AgTech Integration Facility was launched on 17th May, 2022 under which 107 Disruptive Agri. Technology (DAT) enterprises applied, after the rigorous evaluation process 61 DAT enterprises qualified for the next stage; a bootcamp is envisaged to be organised wherein the CBOs will be introduced to different solutions available to integrate technology for increasing their organizational efficiencies and improving proposed value chains.
16. The SMART Cotton project aims at producing consistent, uniform and clean cotton by better farm management and crop monitoring. Project is implemented by PIU Agri.& PIU MahaCot in 475 villages of 37 blocks of 12 districts. Until now 58,268 farmers participated in the project. PIU-MahaCoT entered into MoU with 37 ginners. Central Institute of Research on Cotton Technology (CIRCOT), Nagpur is associated with project for training and testing the samples.
17. PIU MSAMB has engaged consultant for study using “Prioritizing SPS Investments for Market Access” (P-IMA) tool to identify priorities of facilities required for export infrastructure in the State. Based on this study, the project will take a call on the kind of export infrastructure and the

locations to be created in the state. CBO members are trained on aspects of exports like procedure and documentation, sanitary and phytosanitary requirements of specific markets, forward linkages and logistics, banking in export business, role of custom house agents etc.

18. Under Livestock component trainers training of 20 Pashusakhis from Solapur and Ahmednagar districts were imparted first phase training on Goat and Backyard Poultry at State Level Training Institute, Gokhalenagar, Pune. PIU AHD is working on proposal for development of Livestock Master Plan.
19. PIU-PMC prepared plans and estimates for the open spaces of farmer weekly markets. PIU Agriculture has identified CBOs and the farmer weekly markets along with PIU PMC. PIU Agriculture has also planned crop demonstrations with Good Agriculture Practices and residue testing for member farmers of the CBOs. PIU PMC has formed Multi Stakeholder Group (MSG) for awareness and implement activities for safe and hygienic food in Pune city.
20. PIU MSRLM has appointed two consultants for Bridge technical Support of CLFs and CMRCs. 163 CLFs/CMRCs has been registered as Farmer Producer Companies under the project.
21. For access to finance for CBOs project has undertaken 07 MoUs with various banks. Comprehensive MoU with Bank of Maharashtra is done for banking services required for project and CBO loans.
22. PIU Agriculture a Market Intelligence and Risk Mitigation Cell has been established and made functional. The cell provides price forecasts before sowing and pre-harvesting so that farmers can take inform decision of sowing, storing and selling of the produce. The cell provides forecasts for 06 commodities Soybean, Cotton, Gram, Tur, Maize and Onion. The forecasts are disseminated through various media sources. Crisis Management Plan for Tur is prepared.
23. PIU MCDC, warehousing and warehouse receipt financing for PACS is being implemented. 6 PACS have renovated their warehouse and they are in process of cleaning and grading machine installation. In order to promote warehouse receipts in all the PACS jurisdiction, joint awareness program have been arranged by PACS and CMAs. Call for proposal is published and applications are invited from PACS for developing decentralized warehousing services.
24. PIU MSWC successfully rolled out e-NWR warehouse receipt finance on Blockchain platform, total 3242 warehouse receipts and loan of Rs. 69.82 Cr has been disbursed through e-NWR. 04 numbers of Silos each of 2500 MT are being erected at MIDC, Latur. 04 CBOs shortlisted for erecting 3000 MT each of decentralized warehouses. Study of Agri Logistic Hub on Samruddhi Mahamarg is being undertaken. MSWC has imparted training to 51 CBOs and 8 PACS for Warehouse Management and WDRA registration.
25. Project staffing – Out of total 214 deputation posts 156 posts are filled while out of 290 contractual posts 217 posts are filled, thus out of total 504 posts 373 posts (74%) are filled at various levels. Meetings of SMART Steering Committee, Governing Council and Executive Committee are held regularly.
26. Environment and Social Assessment (ESA) Study has been conducted and Environment and Social Management Framework (ESMF) has been prepared. Social inclusion strategy for the project has been articulated and the guidelines have been issued to all stakeholders regarding the

inclusion of small and marginal farmers, women, scheduled caste and scheduled tribes. Currently out of total CBOs participated in the project, women CBOs are 18 %, women shareholders in CBOs are 54%, women board of directors in CBOs are 44%, small and marginal farmers are 71%, Scheduled Caste farmers are 10 % and Scheduled Tribe farmers are 6 %.

27. Grievance Redressal Mechanism has been operationalized and the complaint redressal is 100%. Environment and Social screening of all sanctioned sub-projects has been completed. The environment and social action plan is incorporated in all sanctioned FPPs. The social screening of farmer's weekly markets and land selected for silo has been completed. The training on Environment and Social Management Framework for all stakeholders has been completed.
28. Manual on "Gender Mainstreaming in Agriculture Value Chain" for DoA staff has been prepared and ToT for 54 (M-24, F-26) trainers has been conducted. The manual on "Gender Mainstreaming in Agriculture Value Chain" has been prepared and incorporated in the training manual of foundation training curriculum of Department of Agriculture. The same module is demonstrated in 3 foundation batches of DoA. The "Gender Sensitization and social safeguard training" for staff of SMART cotton 128 (M-120, F-8) has been conducted.
29. Climate resilient infrastructure such as solar systems for energy generation, solar dryers, Biomass fuel briquette making machines etc. have been sanctioned in FPPs. The approved CBOs have been mapped for reduction in Greenhouse Gas Emission.
30. Consulting agency for Monitoring and Evaluation for SMART Project is on boarded. M&E Strategy Report has been approved while Baseline Survey is scheduled from December 2022. Timely Quarterly Progress Report (QPR) has been prepared & submitted to WB.
31. Project has undertaken MoUs with national and international institutes, for enhancing capacity building, e.g. United States Department of Agriculture (USDA), GIZ, Germany, Van Hall Larenstein University, The Netherlands, ICRISAT, IIMR, World Veg etc.
32. The financial achievement of project is Rs. 95.41 crores till date.

Component A 1 - Enhancing Institutional Capacity of Dept. of Agriculture (DoA)

Introduction:

As per the project implementation plan, there are three DLIs agreed upon by the project. A brief description of these DLIs is as follows,

DLI-1 Institutional realignment and strengthening of DoA

As a baseline of this component it was observed that Agri programs are focused on input subsidy provision only and not outcomes. In order to change this scenario, two sub components viz; Staff management plan developed and instituted AND IT based MIS system implemented, were set to achieve in 2021-22

DLI-2 Enhanced staff capacity of DoA

As a baseline of this component it was observed that staff skills and capacity for market oriented technical service provision and promoting private sector investments are missing. Components included to match the above requirement are Staff training management plan developed AND Staff trained using upgraded modules.

DLI-3 Enhanced market linkages, food quality and safety standards for focus geographies and commodities

As a baseline of this component it was observed that policy and institutional framework to support agri- transformation is weak. For strengthening this framework, a Scheme has to be developed on the basis of cluster / commodity development plans. Implementation of this scheme should include convergence of financing from other schemes. Also increase in area under India GAP standards, and is met when DOA sets goals for GAP standards for focus commodities, develops protocols and undertakes an extension support and testing program to enhance proportion of commodity that meets the GAP standards.

A) Activity wise Progress –

➤ Realignment and Strengthening of DoA

- Proposal for realignment of DoA and proposal for cadrewise roles & responsibilities proposal submitted to GoM. The Institutional & Functional Review of DoA in which the report prepared by the Consultant Deloitte is accepted partially and YASHADA is being engaged for short assignment to complete the functional review study.

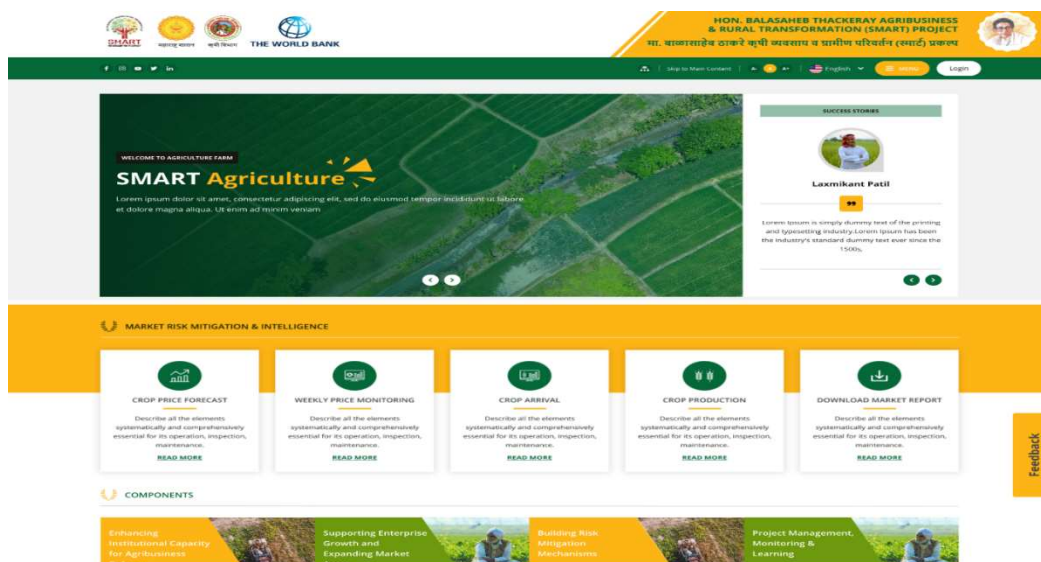
Integrated MIS for DoA and SMART Project:

System Integrator for DoA and SMART: AMNEX Info Technologies Pvt. Ltd. (On-board)

Contract Signed: 21st Sep. 2022

Duration: 36 Mon. (9 Development and 27 Support)

- Project Kick-off meeting conducted on 16th Nov. 2022.
- Priority of Development for Project MIS and Integration of DoA in parallel.
 - **Requirement Analysis completed:** Grievance, CBO, Training
 - **Wireframe:** Training **on-going**, Landing Page, Grievance and CBO level: **Completed**
 - **Development in Progress:** MIS Landing Page, user Mgmt., Grievance and CBO
 - **Finance Module:** Integration with Bank of Maharashtra MIS on-going



DoA Integration Activity: Requirement gathering is on-going with all concern stakeholders, User service mapping activity is on-going. Priority list of application (17 App) identified for first stage of Integration (DoA-6, MH-23, GoI-17, Other-5 application).

Sr. No.	Deliverables	Status	Duration (Mon)
1	Project Plan & Inception Report	Draft Shared	T+0.5
2	Design & development of SRS, SDD, Test plans, Wireframes, etc.	Progress	T+1.5
3.a	Implementation of the data hub consisting of all data sets from all applications under consideration and Development of allied modules	Preparation of user service matrix on-going	T+4
3.b	Implementation of SMART Project Module (CBO, DSS (M&E / Grievance), Training and Finance) in Parallel	Grievance, Web-site, CBO in Development	T+4
4	Design, development, Unit Test, Deployment, Change Mgmt and Go-Live	---	T+8
5	Operations and maintenance of the entire solution after stabilization Training and Knowledge transfer, Go-Live with smooth function	---	T+15
6	Operation and Maintenance and Handover	---	T+36

Way Forward: SMART Project MIS plan to be launch by 26th January 2023, Landing Page (Project web-site) will be operational by 19th Dec. 2022.

- Performance Appraisal of officers is made based on outcome goals using MAHAPAR IT platform and for staff revised circular for annual performance appraisal will be finalized by Dec.2022, accordingly, outcome based performance appraisal for FY 2022-23 will be made.

➤ **Enhanced staff capacity of DoA staff**

- Capacity Building needs and plan of DoA is proposed to updated by YASHADA for 5 years.
- VANAMATI, Nagpur has conducted TNA, prepared annual training calendar, upgrading the modules and imparting the trainings (e.g. comprehensive training module for CBOs)
- Meanwhile VANAMATI is in process to finalize collaboration with 07 leading domestic institutes (for e.g. IIM, Nagpur, BIRD, MANAGE)
- Training program with MANAGE, Hyd. and BIRD, Lucknow are being organized for DoA staff.

➤ **Enhanced market linkages, food quality and safety standards for focus geographies and commodities**

- GoM announced and initiated cluster based execution of Rs. 1000 Cr. scheme for value chain development of Cotton and Soybean.
- Also, cluster based value chain development scheme for Grapes and Pomegranate initiated.
- A separate scheme for Global GAP, IndiaGAP is proposed by DoA
- Cluster based scheme for Organic farming with certification is being implemented and it is proposed to increase area under Organic farming upto 25 lakh ha by 2025.

Sub component wise project cost and action plan to achieve DLIs:

Sr No .	DLI	Cost (Rs Lakh)	Action to be taken	Concerned office PCMU/ DoA	Timeline
1	DLI-1 Institutional realignment and strengthening of DoA				
1.1	Staff management plan developed and instituted	700	A staff management plan against outcomes, thematic and commodity focus areas of the department is developed and submitted to Govt. for approval. Efforts will be done to 1. Take Follow up for approval of Re-organization proposal of DoA submitted to Government 2.Publish revised duties and responsibilities	DoA PCMU	30.12.22 30.12.22

			for DoA staff by Govt Notification 3.Submit proposal to claim DLI grant to WB		
1.2	IT-based MIS system developed and implemented	700	System integrator for development of IT-based MIS system for DoA & SMART Project has been onboarded. Further DoA has to 1.Appoint Nodal officers from DoA for integration activity 2.Share Sample data of existing applications 3.Share dashboard requirements	PCMU DoA	14.12.22 14.12.22
1.3	Staff performance appraisals against outcome goals of department being conducted annually.	4,550	In order to develop Annual appraisal template including outcome goals, process for appraisal against outcomes, conduct annual appraisals DoA will 1.Finalise technical evaluation templates 2. Propose new module to use HRMS system for Staff performance appraisals. It will be included in Integrated MIS. 3.Implement e-Office application (NIC) for Class-III employees too. 4.Submit verification report to WB if 30 % staff get evaluated as per revised evaluation system.	PCMU DoA	30.12.22 30.12.22
	Total DLI 1	5950			
2	DLI-2 Enhanced staff capacity of DoA				
2.1	Staff training management plan developed.	700	VANAMATI has developed staff training management plan. In addition, DoA will 1.Prepare subject wise digitised and printed training material for regular trainings of staff 2.Prepare training plan for next five years 3.Tieup with external institutions for specialised training modules 4.Initiate online courses 5.Submit training plan to WB	DoA/ VANAMAT I PCMU	30.12.22
2.2	Staff trained using upgraded modules	4,900	For implementation of improved training plan DoA will 1.Organise trainings during project period 2.Develop training monitoring application 3.Submit report of implementation to WB every year.	DoA/ VANAMAT I	
	Total DLI 2	5600			
3	DLI-3 Enhanced market linkages, food quality and safety standards for focus geographies and commodities				
3.1	Scheme implementation and financing converged on the basis of cluster. Commodity development plans developed	3,500	In order to implement cluster-based schemes through convergence DoA will 1.Select clusters of agronomic crops and fruit crops for development 2.Identify schemes for convergence 3.Prepare development plan and submit to WB 4.Implement the plan	DoA	
3.2	Increase in area under India GAP standards	4,200	In order to disseminate GAP protocols DoA will, 1.Identify crops for GAP certification		

			2.On board agency for baseline survey 3.Design state level Scheme for certification 4.Develop online facility to avail certification		
	Total DLI 3	7700			
	Total Comp. A1	19,250			

A.2 Enhancing Institutional Capacity of Director of Marketing (DoM):

Introduction –

Based on a review of existing functions within the DoM and core technical areas that need to be strengthened to support the agricultural marketing reforms, to enable EODB and establish robust dispute resolution system, following technical areas are identified.

- a) Enhance Regulatory Effectiveness
- b) Monitoring & reporting on market functioning
- c) Dispute resolution

Capacity Building Interventions through SMART project

The project will support following capacity building interventions to strengthen planning and implementation capacity of DoM along the functional areas listed above:

- a) Functional review of DoM
- b) Planning and goal setting
- c) Outreach activities
- d) Publishing annual ranking of markets
- e) Enhancing capacity of staff along core functional areas
- f) Strengthening core administrative aspects of DoM through enhancing EODB
- g) Dispute resolution

B) Activity wise Progress –

1.1 Completed activities –

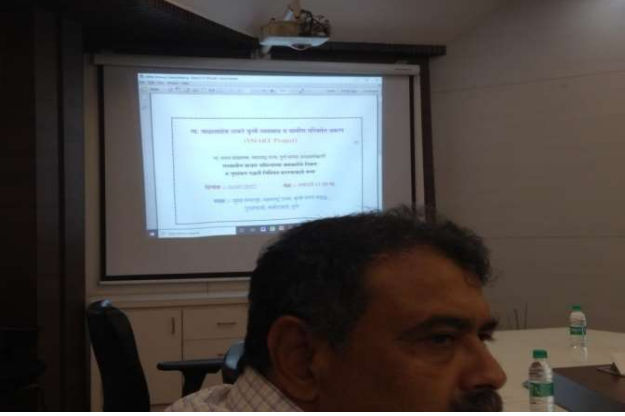

A2.1.14 -Development of market health indicators tools for markets in Maharashtra :-

PIU-DoM formed a consultative group comprising of senior officers from Directorate of Marketing, Officers from MSAMB and Secretaries from some APMCs. Main task before the consultative group was to bring out objectivity and clarity in the criteria and marking scheme. A full day workshop of this group was held on 01/07/2022 to finalise criteria and marking scheme for Annual Ranking of APMCs for year 2021-22. After discussion and deliberations a draft criteria and marking scheme was prepared and shared to all group members. Based on the suggestions and recommendations the Criteria in Proforma - A and Marking Scheme in Proforma - B was finalised for further action.

Accordingly Proforma A of criteria which broadly included 35 criteria in four categories as follows:

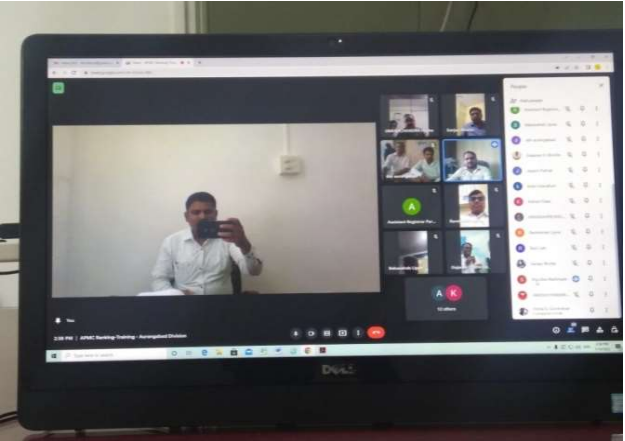

- A. Infrastructure and other service facilities criteria - 14 criteria - 80 Marks
- B. Financial performance criteria - 07 criteria - 35 Marks
- C. Statutory performance criteria - 11 criteria - 55 Marks
- D. Other criteria - 03 criteria - 30 Marks

Proforma - B contains detailed guidelines and marking scheme for each criterion.

Name of Activity: Workshop for APMC Ranking	
Date: 01/07/2022	Venue: MSAMB Hall, Gultekadi, Pune
Photo – 1	Photo-2
	

A2.1.16 -Training workshops on market health indicators to stakeholders -

Division-wise eight sessions of online training workshops were conducted for field authorities of department and APMCs on 19/07/2022 and 20/07/2022. A detailed training was given to field officers regarding inspection and assessment for each criterion of ranking and marking scheme.

Name of Activity : APMC ranking online training workshop for field officers and APMC	
Date: 19/07/2022 & 20/07/2022	Venue: Virtual
Photo-1	Photo-2
	

A2.1.15 - Dissemination of markets rankings -

A press note was prepared and sent to DGIPR, Maharashtra and all leading newspapers to publish news and create awareness regarding proposed APMC Ranking in the state. DGIPR

office and other news outlets gave wide publicity to this activity through their print media as well as social media.

Name of Activity :Publicity of APMC Ranking through press media and social media.
Date: 22/07/2022 to 26/07/2022

Pune 26 Jul 2022 Page 1

After receipt of reports from field officers PIU-DoM scrutinized the reports. After scrutiny the final State Level ranking list was prepared and published on 22 August 2022. DGIPR, Maharashtra and all leading newspapers published news regarding APMC Ranking for year 2021-22 in state. The ranking list was also published on DoM website.

APMC Lasalgaon from Nashik district bagged 1st rank in the state. APMC Hinganghat from Wardha District got 2nd rank and APMC Karaja (Lad) from Washim district got 3rd rank in the state.

Name of Activity : Outreach activity on Market reforms & regulation

Date: 11 and 12 October 2022

Venue: CIDCO Exhibition centre, Vashi, Navi Mumbai

Photo - 1



Photo-2



A2.1.6 - Workshops for alternate market channels

PIU DoM conducted on day workshop for Single License holder focusing on E-Trading platform and e-NAM on 04 October 2022.

A2.1.2 - Publications on Regulations & Reforms for Stakeholders :

PIU DoM has compiled all the circulars issued by DoM and the same were published on the website of DoM. (www.mahapanan.maharashtra.gov.in) Website of DoM was updated with latest activities, FAQs, APMC ranking and links related to licensing application module for alternate market players were made functional.

Name of Activity : Publication of department circulars and FAQ on website of DoM

Date: August / September 2022

Venue: Pune

Photo - 1

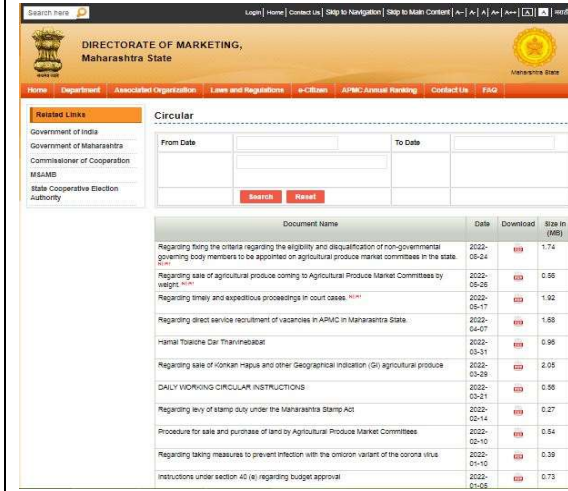
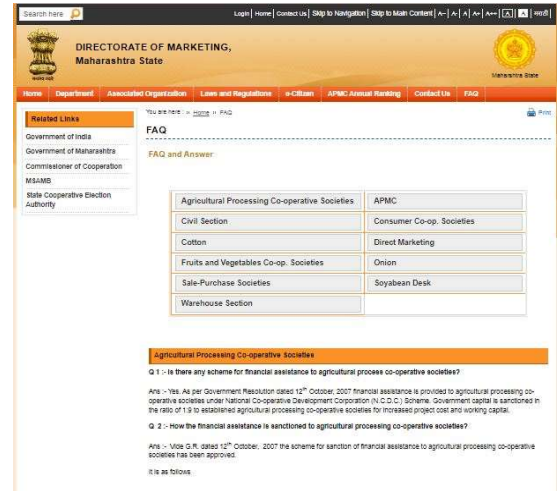


Photo-2



Ongoing activities -

- A2.1.4 - Setting up of Call Centre & Help Desk and**
- A2.1.18 - Development of Online and Call Centre based system for reporting disputes**

PIU DoM has prepared TOR for Call Centre. The same has been submitted to PCMU on 03 November 2022. PCMU has discussed internally with on boarded transaction advisor M/s. E&Y for process development of Call Center.

- A2.1.7 - Service Provider for TNA, Development of training modules**
- A2.1.8 - Conducting training workshops for APMC staff**
- A2.1.9 - Printing of Training Material**
- A2.1.10 - Tie-up with Institutes for trainings**
- A2.1.19 - Decentralization of power for dispute resolution to field officers (trainings, capacity building)**

It has been planned that 1200 officers / Staff of APMC and 400 officers of department will undergo training programme. A Pilot training programme of 42 participants of 21 APMCs from Pune & Solapur districts was conducted by NIPHT, Talegaon Dabhade, Dist-Pune in June 2022. In this pilot batch different level officers and staff of APMCs were included. This batch comprise of Secretary, Asst. Secretary, Market Supervisor, Market Inspector, Senior Clerk and Junior Clerk. Participants submitted their feedback on training programme. Overall feedback of them for training programme is "Very good". Participants also have given feedback that such type of training is needed for effective working in APMCs.

As per WB latest approval PIU DoM is going to conduct TNA, ToT, training workshop and assessment through YASHADA. TOR for single source procurement is being prepared and will be submitted to PCMU.

Name of Activity : Pilot Training workshop for APMC staff	Venue: NIPHT, Talegaon Dabhade, Pune
Date: 14 to 17 June 2022	

Photo - 1



Photo-2



Photo - 3

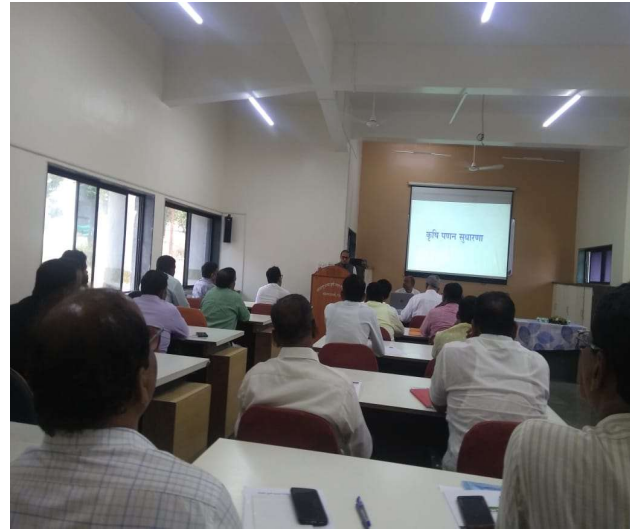


Photo - 4



A2.1.11- Exposure visits within state

A one day exposure visit of 42 participants of 21 APMCs from Pune & Solapur districts was conducted to Export facility centre, Irradiation centre at APMC Vashi, Navi Mumbai on 16/06/2022.

All participants were visited to Fruit & Vegetable Market, APMC Vashi and also interacted with the traders. They also visited to Vapour Heat Treatment Centre and Irradiation Centre. Participants made dialogue with foreign Inspector and got information regarding various export regulative norms.

As per WB latest approval PIU DoM is going to conduct exposure visits for APMC staff through YASHADA. TOR for single source procurement is being prepared and will be submitted to PCMU.

Name of Activity : Exposure visit for APMC staff

Date: 16 June 2022

Venue: Export facility centre, Irradiation Centre, Vashi.

Photo - 1



Photo-2



Photo - 3



Photo - 4



1.2 Next Plan of action

A2.1.2 - Publications on Regulations & Reforms for Stakeholders :

PIU DoM is going to publish Compendium of circulars, a Booklet on Maharashtra Agriculture Produce Marketing Act and Rules and a Guidebook on Direct Marketing and Private Markets.

A2.1.5 - Advertisements for marketing related activities in project

Awareness on market reforms and regulation through broadcast of jingles, audio clips on radio and public transport stations. It is planned that documentaries on Private Markets etc. will be broadcast through digital media.

A2.1.6 - Workshops for alternate market channels

Two day residential workshop cum training on regulatory compliances of Direct Marketing and Export Orientation for FPOs having DML will be conducted in batches of 30 participants each with target of 400 such DML holders.

A2.1.17 - Outreach activities to increase awareness on rights and responsibilities under the state APMC Act

PIU DoM is going to participate in Kisan Agri Exhibition at Moshi, Pune from 14 to 18 December. A graphical presentation on rights and responsibilities of farmers, grievance redressal mechanism etc. will be made in form of posters and leaflet.

C) Financial Status -

Budget heading	Activity	Total budget (As per PIP)		Expenditure (up to Nov 2022)		Total expenditure as on date	
		Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
A2.1.1	Outreach activities on Market Reforms & Regulations	100	100.00	2	0.18	2	0.20
A2.1.2	Publications on Regulations & Reforms for Stakeholders	5	250.00	0	0.00	0	0.00
A2.1.3	Development of Website	1	10.00	0	0.00	0	0.00
A2.1.4	Setting up of Call Centre & Help Desk	7	70.00	0	0.00	0	0.00
A2.1.5	Advertisements for marketing related activities in project	7	175.00	0	0.00	0	0.00
A2.1.6	Workshops for alternate market channels	50	50.00	1	0.00	0	0.00
A2.1.7	Service Provider for TNA, Development of training modules	1	100.00	0	0.00	0	0.00
A2.1.8	Conducting training workshops for APMC staff	24	48.00	1	2.97	1	2.97
A2.1.9	Printing of Training Material	1	10.00	0	0.00	0	0.00
A2.1.10	Tie-up with Institutes for trainings	1	50.00	0	0.00	0	0.00
A2.1.11	Exposure visits within state	600	27.00	42	1.00	42	1.00
A2.1.12	Exposure visits outside state	300	53.00	0	0.00	0	0.00
A2.1.13	Enhance Ease of Doing Business - Agri Marketing (IT based systems)	1	500.00	0	0.00	0	0.00
A2.1.14	Development of market health indicators tools for markets in Maharashtra	1	75.00	1	0.00	1	0.00
A2.1.15	Dissemination of markets rankings	6	30.00	1	0.00	1	0.00
A2.1.16	Training workshops on market health indicators to stakeholders	16	32.00	8	0.00	8	0.00
A2.1.17	Outreach activities to increase awareness on rights and responsibilities under the state APMC Act	1	50.00	0	0.00	0	0.00
A2.1.18	Development of Online and Call Center based system for reporting disputes	1	200.00	0	0.00	0	0.00
A2.1.19	Decentralization of power for dispute resolution to field officers (Trainings, Capacity building)	900	225.00	0	0.00	0	0.00
TOTAL			2055.00		4.15		4.15

D) Remarks If any

The Department of Co-operation, Marketing and Textiles has already decided and appointed a consultant to develop an integrated IT based platform for Commissioner for co-operation, Sugar Commissioner and Director of Marketing, The IT system (software) requirements of DoM have been included in the DPR prepared by the consultant. At present it is at the stage of preparing RFP

document to appointment System Integrator. Therefore project fund for IT based systems (software) to enhance EODB may not be utilized.

To enhance EODB, the DoM has proposed the Government to include licensing services such as DML, PML and Single License to be included in the ambit of Right to Services Act. However Department and it's field officers (Taluka and District) also require compatible IT Hardware system to implement and use the proposed software system.

Hence DoM is proposing that IT hardware system may be provided as part of support of EODB through the Project. The funds available under the sub-activity of EODB – It based system be made available to provide IT Hardware system.

Component wise estimated expenditure up to March 2023 and March 2024 is as follows :

Sr. No.	Main Activity	Target As per PIP	Target upto March 2024	Estimated Expenditure upto March 2023	Estimated Expenditure upto March 2024
1	Enhanced Regulatory Effectiveness	655.00	470.00	22.00	218.00
2	Training and Capacity Building of APMC Staff	288.00	271.00	51.56	184.20
3	Enhance Ease of Doing Business - Agri Marketing	500.00	350.00	0.00	0.00
4	Monitoring and Report on Market Functioning	127.00	118.00	11.00	24.00
5	Enhance Dispute Resolution Functions	475.00	415.00	17.45	161.70
	Total	2055.00	1624.00	102.01	587.90

Component A 3 - Commodity Stewardship Council (CSC)

Introduction –

Commodity Stewardship Councils (CSCs) are commodity associations for specific commodities that seek to coordinate actions of stakeholders across the commodity value chain. The specified goal of CSC is enhancing competitiveness and market access of producers and businesses operating in that commodity. While policy consultations and advocacy is an important role for such associations, they also carry out a range of important technical functions relating to their focus commodities. It is envisioned that using the learnings from international experience a roadmap for developing sustainable CSCs in Maharashtra for selected commodities will be prepared. The project will focus on establishing Commodity Stewardship Councils (CSCs) for selected commodities and identified based on market growth potential for effective public-private sector dialogue. The project will support

- a) identification and mobilization of major stakeholders (representatives from farmer groups, trader groups, distributors, institutional buyers, and other value chain participants) into the CSC; provision of technical and hand-holding support to the SCs and SC members to identify gaps
- b) develop and implement a vision plan listing interventions and joint actions needed to enhance competitiveness and market access; implement joint actions such as market identification and promotional activities, and workforce development.

Sr. No.	Component Name	Sub-Component Name	Allocation (Crores)
1	A. Enhancing Institutional Capacity to Support Agricultural Transformation	A3.2 Establishing Stewardship Councils	61.20

Activity wise Progress –

Completed activities –

- Inception Report for formation of CSC completed.

Ongoing Activities:

- Feasibility study to shortlist and recommend commodities to form CSCs is going on.
- Preparation of roadmaps separately for each of the shortlisted 10 commodities for establishment of CSCs work is in progress.
- Registration of Grapes stewardship council will be done till Dec.2022 end.
- Sectoral meets of all the stakeholders of various commodities are going on with the help of GT Bharat LLP

Proposed Outreach Activities: Sectoral meets of all the stakeholders of various commodities

S No.	Type of Activity	Tentative Date	Focused Group	Topic	Location
1	Hybrid (Physical + Online)	8th December 2022	Grapes	Formation of Policy Group & MoA AoA discussions	Pune
2	Physical Meet	11-19th December 2022	Maize	Stakeholders' Meet for Awareness: Maize	Aurangabad
3	Physical Meet	14- 18th December 2022	Multiple	Participation at a National Level Event: KISAN	Pune
4	Physical Meet	9-13th January 2023	Pulses	Stakeholders' Meet: Pulse	Nagpur
5	Physical Meet	24-30th January 2023	Oilseeds	Stakeholders' Meet for Awareness: Soybean	Latur
6	Physical Meet	27-28th February 2023	Banana	Stakeholders' Meet for Awareness: Fruits	Jalgaon
7	Physical Meet	7-11th March 2023	Vegetables: Onion, Tomato	Stakeholders' Meet for Awareness: Vegetables	Nashik
8	Physical Meet	28-31st March 2023	Pulses	Stakeholders' Meet: Pulse	Osmanabad

Grape Stakeholder Meeting



Buyer Outreach in association with Bombay Chamber of Commerce at Navi Mumbai 11-12 Oct., 2022

Component B: Supporting Enterprise Growth & Expanding Market Access

B 1. Market Access Support

Introduction:

A. Value Chain Development School through DoA

Following are the indicative activities proposed under this:

- i) Tech Market Meets.
 - ii) Market led Crop demonstrations
 - iii) Exposure cum training visits within state
 - iv) Exposure cum training visits outside state
 - v) Exposure cum training visits outside India
 - vi) Farmer Field School
 - vii) Activities to meet the specific market requirements such as GAP certification, food safety, organic farming and pest free area certification.
 - viii) International exposure visits for technical staff
- i) **Tech Market Meets:** In Tech Market meets, representatives of all actors of value chain will be invited including Producer CBOs, technology providers (SAUs, inputs and other service providers), market players (commission agents, traders, wholesalers, processors, exporters and other end users), transporters, bankers, insurance companies, representative of consumer forums etc. During the meet, the value chain will be analyzed by a facilitator and all actors will be involved in this exercise. Actors of that value chain will be sensitized and motivated to prepare action plan to improve existing value chain into more efficient and to create win-win situation for all. This will set the agenda for activities to be followed during implementation of proposed sub-project. The costs estimates for this activity is Rs. 240.00 lakhs, the details are given in below table.
- ii) **Market-led Crop demonstrations:** Crop demonstrations typically are meant for demonstration of improved technologies to increase productivity. However, since the focus of the activity is productivity, the market aspect usually remains neglected. Market-led crop demonstrations in project along with improvement in productivity will emphasize upon needs of market which includes quality of produce in terms of needs of end-user. The costs estimates for various sub-activities under this activity is Rs. 5472.00 lakhs, the details are given in below table.

- iii) **Training cum Exposure Visits-** Classroom trainings for farmers do not give desired impact unless they are coupled with exposure through field visits to understand execution and impact of technology. This would include visits to research institutes, SAUs, role models and visits to markets to identify needs of market, etc. Project proposes to conduct training-cum-exposure visits of farmers in sub-projects. Such training-cum-exposure visits can be within state, outside state and also outside the country. The costs estimates for various sub-activities under this activity is Rs. 2737.00 lakhs, the details are given in below table.
- iv) **Farmer Field School (FFS):** FFS is a proven tool wherein the field becomes a school, a trained facilitator assumes the role of an enabler teacher and standing crops become live laboratories. Transfer of technology is more effective through FFS. Project will conduct FFS as part of VCDS for beneficiary farmers of sub-project. The costs estimates for various sub-activities under this activity is Rs. 1100.00 lakhs, the details are given in below table.
- v) **Service Provider for GAP certification and Food Safety-** This is particularly envisaged for horticulture crops where food safety and traceability have become important issues. The Project will onboard a Service Provider for this activity. Wherever the market requires certification, beneficiaries of sub-projects will be registered under GAP and training will be imparted to them for food safety. The Service Provider shall provide end-to-end support for GAP certification under this activity.
- vi) **International Exposure visits for technical staff:** It is very essential to give international exposure to field staff so as to make them globally competitive and encourage them to engage actively in implementation of sub-projects of value chain development. Project proposes to give international exposure to field staff engaged in implementation of sub-projects. The costs estimate for various sub-activities under this activity is Rs. 900.00 lakhs, the details are given in below table. All procurable activities in this component will be procured by following World Bank procurement regulation and procurement guideline of project.

Achievements:

Value Chain Development School (VCDS) 2022-23

Sr No	Component	Target		Achievement	
		Phy (No.)	Fin. (Rs.Lakh)	Phy (No.)	Fin. (Rs.Lakh)
1	Market Led crop demonstration	10440	552.90	8010	273.00
2	Farmer Field school	348	111.36	272	33.82
3	Training cum Exposure visits within & outside state	3036	398.80	104	2.40
4	International exposure visit for technical staff	79	149.20	0	0.00
Total		13903	1212.26	8386	309.22



Farmers Field School : Gram Seed Treatment Somthana Taluka- Badanapur District- Jalna



B. 1.1 & B 1.2 Productive Partnerships and Market Access Plans:

Introduction:

The project contemplated different types of agricultural value chain development subprojects which would need preparation of FPPs, those are as under:

- Productive Partnerships (PPs),
- Market Access Plans (MAPs),
- Complementary Innovation Investments (CIIs),

Brief about aforesaid types of value chain development subproject is as under:

a) Productive Partnerships subproject:-

A Productive Partnership involves three core partners, a CBO or a group of CBOs, one or more buyers, and the Project. These three Stakeholders are connected through a business proposition, or business plan, which describes the capital and service needs of the producers and proposes improvements that would allow them to upgrade their production capacities and skills to expand access to new & organized markets.

The project will provide technical and financial support for developing and partially financing Productive Partnerships (PPs), between farmers represented by CBOs and buyers represented by Corporate, Processers, Exporters, Start Ups, Agri-SMEs-Lead Firm and Organised buyers. The aim is to develop a long-term, voluntary and commercial relationship that will help the partners to improve their competitiveness in terms of price, cost, productivity, quality, and sales volume and provide holistic solutions to address market imperfections that inhibit smallholder producers' socio-economic progress.

The implementation of such a business plan through a sub-project is supported through core inputs and/or activities viz. productive investments (post-harvest, processing and marketing infrastructure), technical assistance (capacity building & Value Chain Development Schools (VCDS). These core inputs are financed through public grants provided by the project, which are matched by the beneficiary producers and in some cases also by the buyer(s).

PP, as a market linkage tool, is useful for such commodities wherein there is a need for very close coordination between producers and buyers. This would include, among others, perishable commodities, commodities that are requiring processing soon after harvest, and where the product is differentiated according to variety, quality or other dimensions.

b) Market Access Plan (MAP) subproject:-

A Market Access Plan (MAP) will be developed when a set of grower CBOs, like to market their produce to a specific market which is known to them but buyer is not identified. In such cases, CBOs will develop plan to access the new market either in domestic preferably outside Maharashtra or overseas for export and undertake the activities to fulfil the

requirements of specified markets. This will help in existing value chain or developing new value chain to maximize the returns for growers. MAPs may include a range of activities required across the value chain to access the new markets as given below:

- Adoption of improved varieties,
- Support for adoption of Good Agricultural Practices (GAP), Good Hygiene Practices (GHP), Good Manufacturing Practices (GMP) and other relevant global standards,
- Infrastructure support such as collection centers, primary processing and adoption of improved technologies in post-harvest, storage and processing;
- Adoption of food safety standards of target markets;
- Support for marketing activities - customer acquisition through trade fairs, market promotion, brand development etc.
- Capacity building through skill based training for stakeholders involved in the whole value chain.

c) Complementary Innovation Investments (CII) Subprojects:

The project will support development and partial financing of subprojects that aim to pilot, disseminate and adopt innovative technologies. These technologies will have one or more of the characteristics of (i) adding value to the produce, and (ii) introduce new products, concepts and activities that can translate into better access to lucrative markets and higher economic benefits in the medium term. Partnerships supported under PPs and MAPs will be given preference for this type of support to expand the adoption of technologies. Potential beneficiaries for CII would be:

- i) CBOs supported under PPs and MAPs of SMART as beneficiaries of CII would preferably get additional grant for adoption of innovative technologies which are not supported under original grant agreement.
- ii) CBOs operating in matured value chains apart from PPs and MAPs of SMART will also be eligible for CII.

In both the cases, CII support should translate into better access to lucrative market and higher economic returns.

Call for Proposal for PP & MAP:

- ❖ Call for proposal was launched on 10th Sept 2020. Last date of online application was 31st December 2020.
- ❖ Call for proposal was published in 19 local newspapers (Marathi) and 2 National newspapers (English)
- ❖ Applications were invited for development of Crop Value Chain and Goat & Back Yard Poultry Value Chain
- ❖ For application- CBOs from Maharashtra & Buyers from Maharashtra as well as pan India are eligible.



Hon. Chief Minister launched Call for Proposal for PP & MAP 10th Sept. 2020

Outreach Activities conducted for Call for Proposal (CFP) are as below:

Sr. No	Participant	Total No of Online Workshops
1	All PIUs	4
2	Region wise	8
3	District Wise	68
	Total	80

CFP Dissemination: Video Clip : How to fill the application forms & set up help desk.

<https://youtu.be/7T1ESDmN7cg>

CFP Dissemination: Video Clip : Doordarshan.

<https://youtu.be/YWjMpl-vA3c>

Application Received: CBO wise applications received are as under:

Sr.No	Type of CBO	Applications Submitted
1	Farmer Producer Companies	1950
2	FPC Federations	9
3	ATMA registered Farmer Groups	2833
4	MAVIM_CMRCs	262
5	MSRLM-CLF	710
	Total	5764

Criteria of categorization for PP:

❖ **A- Category :**

- i) CBO Should be legally registered entity.
- ii) CBO should have turnover of more than Rs. 5 lakh in at least one audited financial statement in last three years (audit report).

- iii) Minimum membership base of CBOs is required to be: 250 shareholders for FPC, 100 SHGs for CLFs and CMRCs, 10 institutional members for Federations.
- iv) CBO should have a MoU with buyer.
 - ❖ **B - Category:** CBO without MoU with buyer but qualify the above criteria of I,II & III
 - ❖ **C - Category:** CBO which not qualify any 2 or more criteria will come under this group.

Criteria of categorization for MAP

- ❖ **A- Category :**
 - i) CBO Should be legally registered entity.
 - ii) CBO should have turnover of more than Rs. 25 lakh in at least one audited financial statement in last three years (audit report).
 - iii) Minimum membership base of CBOs is required to be: 750 shareholders for fruits & vegetables sub project & 2000 shareholders for grain & pulses subprojects. 100 SHGs for CLFs and CMRCs, 10 institutional members for Federations,
 - iv) CBO should Submit 2 years AGM Meeting MoM.

- ❖ **B - Category:** CBO which is not qualify if any one or more above criteria will come under this group.

Conducted training of Nodal officers in all districts: PCMU/PIU Agriculture conducted online sessions.



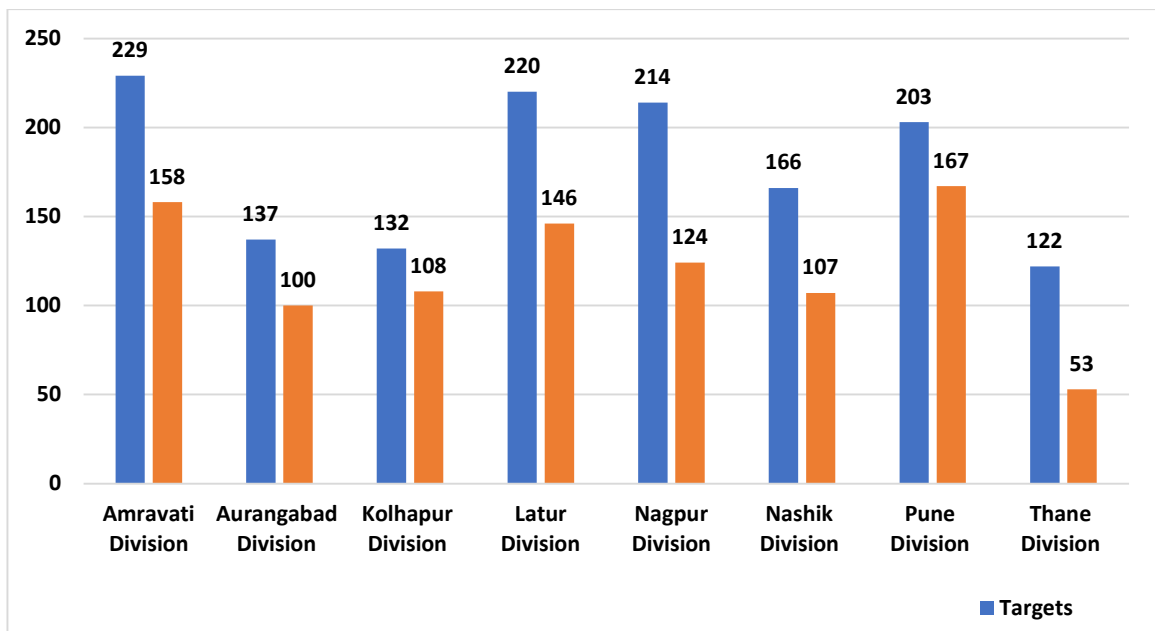
PIU and Division wise no. of Primary Sanctioned (CBOs) :

As per the qualifying criteria CBOs were given primary sanction for preparation of FPP. The PIU wise and division CBO wise sanctioned is as under:

Division/ PIUs	Agriculture		AHD		MAVIM		MSRLM		VSTF		Grand Total		
	Targets	Ach.	Targets	Ach.	Targets	Ach.	Targets	Ach.	Targets	Ach.	Targets	Ach.	%
Amravati	140	138	36	5	8	3	29	8	16	4	229	158	69
Aurangabad	97	91	15	2	1	1	17	4	7	2	137	100	73
Kolhapur	88	88	14	13	15	7	15	0	0	0	132	108	82
Latur	144	130	31	3	3	4	26	1	16	8	220	146	66
Nagpur	105	91	24	2	30	22	45	8	10	1	214	124	58
Nashik	111	91	17	1	7	6	22	3	9	6	166	107	64
Pune	149	131	9	5	15	18	18	6	12	7	203	167	82
Thane	66	34	5	0	21	12	28	7	2	0	122	53	43
Total	900	794	150	31	100	73	200	37	72	28	1422	963	68

- 91 CBOs primary sanctions is in process (MSRLM 20, MAVIM 4, VSTF 10, Agri 57)
- If 963 CBOs who received primary sanction and submit their FPPs, the grant of INR 1020 Cr. may be required.
- As on date 107 CBOs backed out after given the primary sanctions.

Division wise no. of Primary Sanctioned CBOs



Approval of Full Project Proposals (FPPs) of CBOs:

State Proposal Approval Committee (SPAC) approved 424 Full Project Proposals (FPPs) / sub-projects of CBOs. PIU wise FPP Targets vs Achievement is as under:

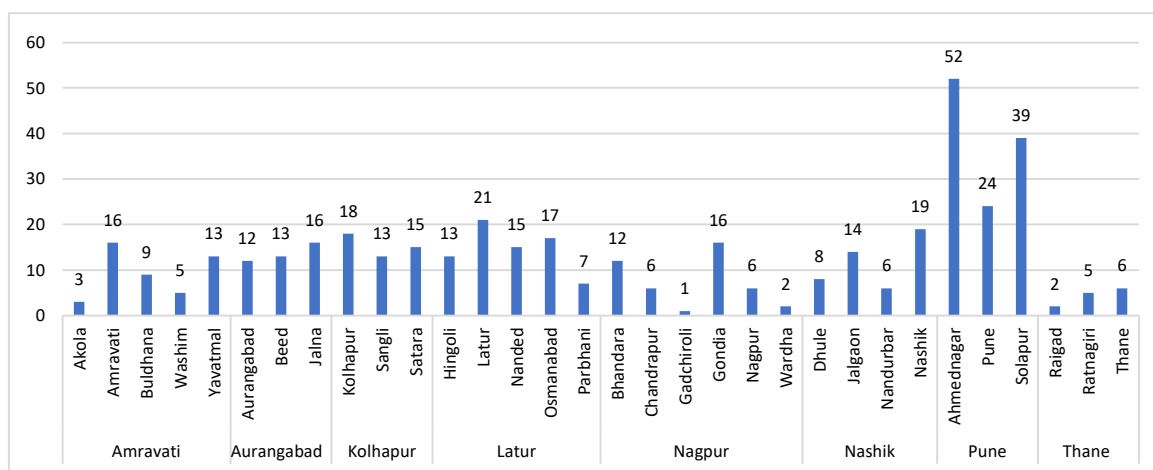
PIUs	FPP Targets		FPP Achievement		Percentage to targets
	Number of CBOs FPP to be Sanctioned	Per cent to total	Number of CBOs FPP Sanctioned	Per cent to total	
Agriculture	600	60	332	78	55
AHD	50	5	6	1	12
MAVIM	100	10	49	12	49
MSRLM	200	20	12	3	6
VSTF	50	5	25	6	50
Total	1000	100	424	100	42

Note- Current achievement of FPP approval is 424 against 432 the target set by WB till Dec. 2022.

Division wise number of FPPs sanctioned and financial details are as under:

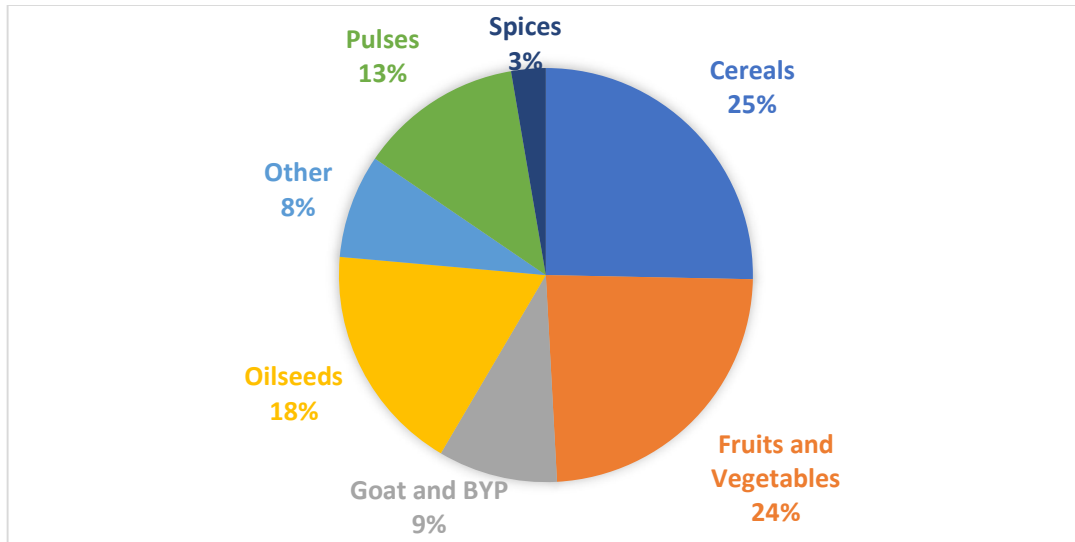
Division	Number of CBOs FPP Sanctioned	Total project cost (INR in Cr.)	SMART Grants (INR in Cr.)
Amravati	46	109.4	65.8
Aurangabad	41	95.4	57.2
Kolhapur	46	92.4	55.5
Latur	73	150.1	89.9
Nagpur	43	67.1	40.1
Nashik	47	87.7	52.6
Pune	115	191.7	113.9
Thane	13	22.7	13.6
Total	46	816.6	488.6

District wise number of FPPs Sanctioned

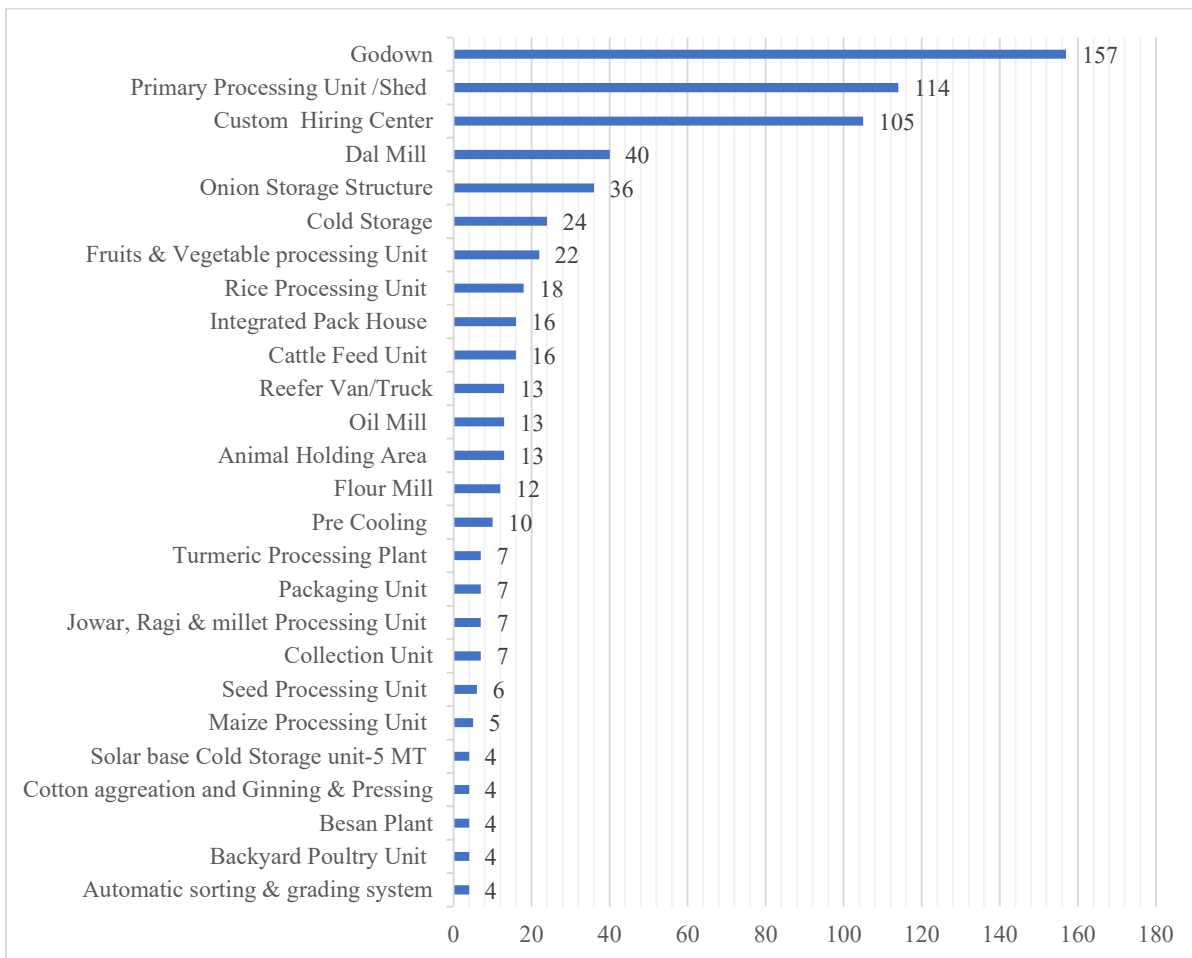


FPP sanctioned for all the districts except Palghar and Sindhudurg districts

Crop Wise number of FPPs Sanctioned



Activities sanctioned:



Grants Released to CBOs:

First tranche is released to released to 100 CBOs and second tranche is released to 05 CBOs. PIU wise release of tranche is as below:

Sr. No.	PIUs	Number of CBOs	Amount (Rs. Cr)
1	Agri	73(Second tranche-5)	44.95
2	MAVIM	15	3.19
3	MSRLM	3	0.74
4	AHD	3	1.35
5	VSTF	6	6.17
Total		100	56.40

In the next fifteen days, the grant of Rs. 5.00 Cr. will be disbursed to 12 CBOs



Aroma FPC Bhokaramba , Latur
Aggregation , Cleaning & Grading and Storage



Godown Construction under PP sub-project of Grushneshwar FPC, Tal-Khultabad, Dist. A'bad

Packhouse, Cold Storage & Pre-cooling Unit of MAP sub-project of Baramati Taluka Fruit Growers Asso.Tal-Baramati, Dist. Pune



B 1.3 Complimentary Innovation Investments (CII)

. These technologies will have one or more of the characteristics of (i) adding value to the produce, and (ii) introduce new products, concepts and activities that can translate into better access to lucrative markets and higher economic benefits in the medium term. Potential beneficiaries to the CII are the CBOs supported under PPs and MAPs of SMART. The pattern of assistance under CII is capped at INR 50 lakh or VGF of 60% whichever is less. In this context, the KWPF grant of the World Bank is focussed on providing technical support in identifying and working with DATs (Disruptive Agriculture Technologies) providers to implement this component and scale up the use of DATs in Maharashtra. Under the CII component of SMART, the SMART AgTech Integration Facility was launched on 17th May,2022 under which 107 DAT enterprises had applied to the facility under the 6 thematic areas namely 1.) Digitisation Solutions 2). Value Chain Actor Aggregation platform 3). Precision Agriculture and Automation Solutions 4). Urban Food Systems and Logistic Solutions 5). Market Linkages and Traceability Solutions 6). Access to Financial Services. The DAT enterprises were evaluated as per a set criteria which were:-

- The enterprise must be registered as a private or public limited company registered under the Companies Act, 1956 or a Limited Liability Partnership registered under LLP Act, 2009
- The enterprise should have been operational for at least a year as of April 1, 2021
- The enterprise must have operations in India and a registered office in India

- The enterprise should have a total annual revenue of at least INR 10 lakh in any of the last three years i.e. FY 2018-19, 2019-20 or 2020-21
- The enterprise should have a customer base of at least 1000 farmers, either individually or through CBOs

Post the rigorous evaluation process, 61 DAT enterprises qualified for going to the next stage. In order to take the process further, a bootcamp is envisaged to be organised wherein the CBOs will be informed of the different solutions available to integrate technology into their operations. This bootcamp will also provide DAT enterprises with the opportunity to interact and understand the work done by CBOs and identify the specific challenges and conditions of interested CBOs that they can provide solutions to. The bootcamp will provide a matchmaking platform for the CBOs to identify best fit solutions for its technology needs and would be expressed through a LOI (Letter of Intent).

The SPARK start-up arena at KISAN Agri Show being organized from 14th to 18th December,2022 in Pune provides an opportunity to organize the bootcamp at the event, as the objective of the event is to provide a platform for startups to connect with progressive farmers. Sine there are synergies coexisting between the SMART AgTech Integration Facility and the SPARK start up arena, the bootcamp will be organized at the Kisan SPARK event. It is envisaged that the LOIs will be finalized by the end of the bootcamp and the proposal development will be taken up by the respective DAT and CBO for submission to SMART PCMU.

Component B.1.4 (i) Market Interventions for Cotton (SMART Cotton):

Introduction –

The SMART Cotton project aims at producing consistent, uniform and clean cotton by better farm management, and crop monitoring. There is immense focus on CBO based production, controlling deterioration of cotton quality in the post-harvest stage and lint-based marketing with traceability and branding. The project also aims at process standardization to control quality losses during processing the CBOs are facilitated by this project with e-Market place for right price discovery. The reverse coding system along with traceability works on a self-correction model and a desire to excel.

Objectives of the SMART Cotton project resonate with the overarching objectives of the sub-component “Priority Investments in Public Infrastructure”. The specific objectives of the project are to

1. Propagate cotton cultivation to ensure demand-based supply of lint through existing CBOs.
2. Digitizing agriculture for traceability and branding of the bales
3. Lint-based marketing of branded bales produced through the CBOs under the trademark of “SMART Cotton”.
4. Create an e-Market place for trading “SMART Cotton” bales and encouraging e-commerce transactions directly between the CBOs and spinners.
5. Opportunity for the Ginners, Traders and Brokers to sell their bales through this e-Market place and brand building on chargeable basis. As well as the groups of farmers producing organic cotton, cotton produced under the better cotton initiative and other will have the opportunity to market their cotton bales on the given e-Market platform.
6. Through planned farm and harvesting management, build an ecosystem around the quality production of cotton that will encourage better price realization.

Institutional Arrangements for the project

The project is jointly executed through the two PIUs viz., PIU-Agri and PIU-MahaCot.

MahaCot (The Maharashtra State Co-op Cotton Growers Mkt. Fed Ltd) is state level apex body in order to pursue its cotton monopoly scheme. The PIU-MahaCot is a separate cell within MahaCot headed by its Managing Director. Managing Director has arranged necessary staff from MahaCot having relevant expertise and experience. This arrangement is made as a temporary measure till such a time that PIU-MahaCot is not replaced by a Special Purpose Vehicle (SPV). The PIU-

MahaCot being temporary in nature will have autonomy in decision making and will be ring fenced from its parent organization in all decision-making including expenditure and accounting.

Implementation Arrangements

Extension activities: Mostly they fall under the administrative control of PIU-Agri. The extension activities mainly encompasses of

- a. The farm management system will be implemented along with VSTF, MAVIM, MSRLM by PIU-Agri.
- b. Crop monitoring and traceability system: PIU-Agri and PIU-MahaCot would mutually develop technical support system for geo mapping of farm location, crop stage monitoring and crop activity monitoring

Responsibilities of PIU-MahaCot

1. Post-harvest management
2. Traceability
3. Quality certification
4. E-market place
5. Branding
6. Make the scheme viable by the end of project duration by creating revenues through sales of self certified bales on chargeable basis through our portal
7. Transform the project entity into a SPV which in the later stage will be handed over to cotton stewardship council

The activity wise / component wise progress of the project so far is depicted as follows

E) Activity wise Progress –

The PIU-Agri has reported that for the 478 CBOs identified by it has taken up the expected extension activities comprising of crop monitoring and capacity building. PIU-MahaCot in compliance of the identified CBOs has performed the following activities

1.3 Completed activities –

- **Establishment of functional office** at the place allotted by MahaCot: The office is established and functional with limited available and provided hardware.

- **Human resources:** Barring the two managerial posts on deputation and one post of assistant through contractual source ; the rest of the staff is functional. Time being two personnel from MahaCot are temporarily assigned to do the required job at PIU-MahaCot. In the field, out of the 35 Multi-tasking Graders, 33 are functional till date.
- **Capacity building for Post-harvest Management:** Training to Lead Resource Persons (LRP) of identified CBOs have been trained on better handling of cotton from picking to aggregation at ginning level. This training was organized at ICAR-CIRCOT, Nagpur. Till date, 08 batches completed the training for the CBOs LRP. 307 LRPs out of 478 has been trained. Similarly, under ToT program, 33 trainers have been trained.
- **Enrolment:** Registration of the CBOs, LRP, Farmers, Ginning Pressing Factories and cotton seed and cotton bale buyers on the portal is ongoing. The portal, the website with all compliant SOPs and relevant information is developed. Handholding of the LRPs to register on the e-portal is demonstrated during the training. Till date, out of the 478 CBOs, 467 CBOs and LRPs are registered on e-portal. 293 farmers are registered out of approximately out of 60000 farmers. Out of the 36 Ginning Pressing factories, 22 factories are on-boarded.
- **Quality Certification:** PIU-MahaCot has developed procedures for sampling and testing the samples for issuing quality certificate for all the lots produced by the CBOs after amalgamating and processing the raw cotton. It has entered into an agreement with ICAR-CIRCOT for testing rates of raw samples and lint and training fees.

1.4 Ongoing activities

- **Office establishment:** The requirement of purchase of computers and peripherals have been freeze which is approved by PCMU, Pune and the process of inviting quotations is in progress.
- **Human resources:** It is informed that MTG of Devli taluka needs to be assigned the additional responsibility for Karanja Ghadge taluka.
- **Capacity building:** For remaining 171 LRPs is scheduled from 05/12/2022 to 10/12/2022 in two batches
- **Enrolment:**
 - a) **Farmers registration:** For expediting the farmers registration on e-portal the follow up with the concern officers is in progress.
 - b) **Agreements with Ginning Pressing factories:** SOPs and draft of agreement are forwarded and the total process is expected to be complete by 15/12/2022.

- c) **On boarding of sellers and buyers:** On boarding of the cotton seed and bale buyers is in process. Since the agreements are to be freeze in the framework of legal and necessary taxation guidelines the process of hiring legal consultant is ongoing.
- **E-market place:** Integration of fin-tech application with the bank is in process. Barring the fin-tech applications the e-market portal is tested for its operations viz., amalgamation, production, stake determination etc. Integration of quality certification is in process which will be completed by 15/12/2022.
 - **SPV formation:** The ToR has been prepared and submitted for approval to PCMU, Pune for hiring an individual consultant. PCMU has uploaded on STEP portal.

Next Plan of action upto June 2023

- Currently the PIU-MahaCot aims to bring in place the technical backup systems viz., registration of farmers to sell of their processed goods on e-market portal and deposit the proceeds out of sell into individual participating farmers account directly on the basis of their stake in the total amalgamated cotton.
- PIU-MahaCot aims to install the systems supporting end to end traceability and branding before the commencement of next season i.e. by November 2023.
- PIU-MahaCot aims to expedite the transformation of PIU into SPV on priority so that in the next season it generates revenue through private business.
- PIU-MahaCot plans to execute its short term objectives through engaging specialized consultants task wise and for long term objective PIU-MahaCot aims to study the response and functional aspects in delivering the short term objective and take services from project management consultancies on the required improvement to be made subject wise.
- Activity wise time schedule is attached as Annexure A

F) Financial Status -

Sr. No.	Activity	Total budget (As per PIP)		Expenditure (Upto Nov 2022)		Total expenditure as on date	
		Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
1	Short term consultancies	0	150.00	0	0.00	0	0.22
2	Tech Agency Support for Smart Cotton	0	50.00	0	0.00	0	0.00
3	Cotton block chain system development	0	250.00	0	0.00	0	0.00
4	Lab Services	0	1200.00	0	0.00	0	0.00
5	IT based online trading platform including AMC	0	1000.00	0	0.00	0	0.00
6	Outreach and marketing activities for SMART cotton promotion	0	104.00	0	0.00	0	0.00
7	Farm traceability software, transactional cost and	0	550.00	0	0.00	0	0.00

Sr. No.	Activity	Total budget (As per PIP)		Expenditure (Upto Nov 2022)		Total expenditure as on date	
		Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
	data hosting						
8	SMART Cotton Management Cost (Rent/TA/DA	0	400.00	0	3.81	0	3.96
9	Government Staff Salary	0	700.00	0	93.65	0	99.7
10	Contractual Salary	0	1252.00	0	6.02	0	6.02
		Total	5655.00		103.48		109.90

G) Remarks If any

1. Dependency for sourcing the backup systems of core importance from the projects performance point of view needs to be owned by the project. We state it on the basis of the experience gathered while sourcing the e-auctioning platform through opening a special purpose account in bank. Though it was a time being arrangement, we need to establish our own resources through the provisions made under cost table.

2. The total success of project hovers on the test results integrity to the basic consignment. Even ICAR-CIRCOT declined to accept the consequences arising out of test results. Hence, we strongly believe the project needs to establish its own quality assurance system. Even raising of cotton testing laboratories through PPP module and involvement of OEM can be explored.

PIU Agriculture:

SMART Cotton Value chain sub-project jointly rolled out by PCMU, PIUs- Agri, Mahacot, VSTF, MSRLM & MAVIM. In year 2022-23 SMART Cotton VCDS engaged in 12 districts, 35 Blocks, 475 villages selected involving 58,268 farmers and 37 ginneries. Value Chain Development schools which includes farmer trainings, market led crop demonstrations (13,920), farmers field schools (451) are being conducted. which included 78.90% Male & Female 21.1% participants.

District	No. of Villages	Total No. of Groups	No. of Farmers Within Group	Gender		Caste Category			Land Category		
				Male	Female	SC	ST	Gen	Small	Margin al	Others
12	448	462	33365	26327	7038	3574	1800	27991	16211	8990	8164

Sr No	Particulars	Yr 2022-23 Target		Yr 2022-23 Achievement	
		Phy	Fin	Phy	Fin
1	Farmer Trainings	942	70.65	419	1.97
2	LRP Training Cum Exposure Visit	475	28.50	384	10.44
3	Farmer Field School	471	150.72	445	27.60
4	Market Led Demo	14130	353.25	14100	169.52
5	Field Staff Training	36	5.40	0	0.00
6	Tech Market Meet	12	12	0	0.00
	Total	16066	620.52	15348	209.54
Achievement -: 34 %) Nov-22)					

B 1.4. ii Set up Export infrastructure for F&V (PIU-MSAMB):

Introduction –

A.1 Tech. Agency (TA) Support for the study through WTO, STDF–PIMA tool - PIU MSAMB will engage with Standard and Trade Development Facility (STDF) of World Trade Organization (WTO) and will constitute study with “Prioritizing SPS Investments for Market Access” (P-IMA) tool to identify what kind of facilities are required for export infrastructure in the state.

A.2 Exit Level Infrastructure for Export- Based on this study, the project will take a call on the kind of infrastructure to be created in the state. Subsequently, PIU MSAMB will engage a service provider for construction and operationalization of this infrastructure.

Sub-component: Export Linkages: Capacity Building Activities

A.3 Agri Export Training Course (AETC): This involves sensitization and training of all stakeholders on various aspects of exports like procedure and documentation, sanitary and phytosanitary requirements of specific markets, forward linkages and logistics, banking in export business, role of custom house agents etc. to develop entrepreneurship among CBOs. It is proposed to conduct 10 courses every year for 35 participants each for 6 years.

A.4 Commodity-Specific Export Training: This involves sensitization and training of export potential of important commodity growers in selected pockets of the state to increase awareness about market requirements and value chain. It is proposed to conduct 6 training programs every year for 25 participants each for 6 years.

A.5 Division Level Training Program: This involves sensitization and training of Nodal officers, Registration Officers, Inspectors, Phytosanitary officers, Pack house operators etc. for market focused SPS

measures and procedures. It is proposed to conduct 6 training programs every year for 25 participants each for 6 years.

A.6 Trainers Training Program of Indian Institute of Foreign Trade (IIFT): This is distance learning program of 4 months duration for capacity building of concerned line department officers. It is proposed to train 5 officers every year for 7 years.

A.7 Participation in International Exhibitions: For market promotion, there is need of aggressive international marketing. For the same, participation in international exhibitions will help to showcase the produce of the CBOs, growers and farmers. This will give the first-hand information about market requirements to the Growers, CBOs, Grower exporters and concerned line department officers. It is proposed to participate in 1 international exhibition every year for 6 years.

Urban Food Pilot-

Farmer Producer Organizations (FPOs)/CLFs/CMRCs/SHGs will address food safety, congestion, improve traceability and sanitation facilities. PMC and Maharashtra State Agriculture Marketing Board, Pune (MSAMB) will be implementing the frontend activities, and agriculture department (Agricultural Technology Management Agency (ATMA) specifically) will perform the backend activities. For that matter MoU will be signed between PMC, MSAMB, ATMA and FPO.

1.4 Training of GAP, Food Safety (1 Day)

1.5 Training cum Exposure Visits outside the state

1.7 International Exposure Visits

Activity wise Progress –

Completed activities –

A.3 Agri Export Training Course (AETC): Two Programs were held in Dec 21 and March 22.



1st Training Program Dec 21



2nd Training Program March 22

A.6 Trainers Training Program of Indian Institute of Foreign Trade (IIFT): Total 26 line department officers of various PIUs were deputed for this online training program in Nov 2021. The program was held between Nov 21 to May 22.

A.7 Participation in International Exhibitions: One officer from PIU-MSAMB participated in Dubai expo 21 held in Nov 2021.

Ongoing activities –

a.1 Tech. Agency (TA) Support for the study through WTO, STDF–PIMA tool – As per the World Bank recommendations in PIP, STDF was contacted many times for getting the P-IMA Tool for this study. For last 1.5 years constant follow-up was made with STDF. As there was no response from STDF, it was decided to conduct procurement process to onboard consultancy for conducting this study and to decide and prioritize the necessary export infrastructure in the state. As per ToR and EoI this study is supposed to be done using P-IMA Tool. For this PIU-MSAMB has contacted Mr. Spencer Henson of STDF and had an online meeting with him on 26th Aug 2022. However, in spite of repeated requests on mail, Mr. Henson had not given any commitment of providing P-IMA tool software free of cost. This hurdle was discussed with Hon. PD, SMART in a review meeting dated 16th Nov 2022. Hon. PD directed to submit the proposal for procuring the PIMA tool software from D-sight Company of Belgium, who has rights to supply this software on a payment basis from STDF. Accordingly, we had contacted Mr. Sam De Swaef of D-Sight and had an online meeting with him on 29th Nov., 2022. After getting the necessary details of PIMA tool software and the cost thereof, we have submitted a proposal to PCMU, SMART for procurement of PIMA tool software on a payment basis.

- The consultancy agreement was signed between PIU-MSAMB and PwC Pvt. Ltd. On 04 July 2022.
- Inception report was submitted by PwC on 24th Aug 2022.
- Stakeholder's workshops were held at Navi Mumbai, Nagpur and Nashik.
- Draft Interim Progress Report was submitted to PIU-MSAMB by PwC on 04th Dec 2022.
- The final draft report could be possible after procuring the PIMA tool software from D-sight.



Stakeholders' meeting- Navi Mumbai



Stakeholders' meeting- Nagpur



Stakeholders' meeting- Nashik

1.5 Next Plan of action-

A.2 Exit Level Infrastructure for Export- After receiving the final study report form PwC Pvt Ltd., the same will be studied by PIU-MSAMB and PCMU SMART and will be approved. As per the findings / observations of the report, the suitable site will be finalized for setting up the recommended export infrastructure. Then PIU-MSAMB will engaged suitable service provider for construction and operationalization of export infrastructure. All Training activities and Exposure Visits, outside state and outside country will be conducted by PIU-MSAMB as and when PCMU SAMRT will confirm the list of selected participants for the proposed activities from various PIUs.

Financial Status –

Budget heading	Activity	Total budget (As per PIP)		Expenditure (up to Nov 2022)		Total expenditure as on date	
		Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
B1.4.ii	Set up Export infrastructure for F&V						
a.1	Tech. Agency (TA) Support for the study through	1	100.00	1	4.99	1	4.99

Budget heading	Activity	Total budget (As per PIP)		Expenditure (up to Nov 2022)		Total expenditure as on date	
		Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
	WTO, STDF-PIMA tool						
a.2	Exit Level Infrastructure for Export	1	13050.00	-	-	-	-
	Sub-component: Export Linkages: Capacity Building Activities						
a.3	Agriculture Export Training Course (5 Days)	60	315.00	2	2.61	2	2.61
a.4	Commodity Specific Export Training Program (2 Days)	36	54.00	0	0	0	0
a.5	Division Level Training Program (2 Days)	36	54.00	0	0	0	0
a.6	Trainers Training Program at IIFT	30	22.50	26	20.45	26	20.45
a.7	Participation in International Exhibitions	6	120.00	1	5.54	1	5.54
b.1	Government Staff Salary	3	252.00	3	26.56	3	26.56
B.3.	Urban Food Pilot						
1.4	Training of GAP, Food Safety (1 Day)	40	20.00	0	0	0	0
1.5	Training cum Exposure Visits outside the state	20	62.50	0	0	0	0
1.7	International Exposure Visits	4	80.00	0	0	0	0
	Total	237	14130.00	33	60.15	33	60.15

B 1.4 (iii) Livestock component in SMART Project

Introduction:

Livestock component in SMART Project					
No	Main Activity / Sub-Activity / Item	Unit cost (Lk INR)	Total Phy Trgt	Total Cost (Lk INR)	Details of activities
Component B 1.4 c (Sectorial investment in Livestock)					
1	TA Support of FAO	1,000.0	1	1000	The LMP will provide a sector-wide strategy for the next 10 -15 years to guide the Animal Husbandry Department (AHD) on sectors with further development potential, options to address risks like climate change and provide investment options including the scaling up of project models and effective engagement with the private sector.
2	TA support through various research institutes like NRC etc	50.0	1	50	FAO or similar entity will facilitate the AHD to carry out broad-based reforms ranging from capacity building within the Department to facilitating nutritious safe food value chains.
3	Training of AHD Staff on GAH & Agribusiness (15 days hands on training)	0.3	150	50	In-service training of AHD staff in agribusiness and market-oriented climate-smart Good Animal Husbandry Practices (GAHP) supported by a TSA would be undertaken.
4	Training of Butchers, AHD & PMC Staff by NRC & other TSAs	0.0	125	4	Butcher training and its curriculum development will be carried out by a specialized TSA like NRC-Meat under the active guidance and support of the Knowledge Partner. It will support PMC for the same.
5	Mobile App development	100.0	1	100	The Pashusakhi's would be connected using modern technologies like WhatsApp and other mechanisms through which they will receive ongoing handholding support.
6	Mobile App Maintenance	20.0	5	100	Mobile App Maintenance
7	Tab to Pashu Sakhis	0.1	1,680	84	Tab to Pashusakhis for data entry of goats/poultry rearing
8	Traceability and Food Safety Interventions activities based on FAO recommendations, Short consultancy & Branding	112.0	1	112	Traceability and Food Safety Interventions activities based on FAO recommendations, Short consultancy & Branding by FAO

Component B 1. (Common Extension activities - Livestock to support PP & MAP				1500	
1	Tech market meet for Goat Farmers (12,000 farmers @100 farmers per meet)	1.0	120	120	Interaction with and meeting with Community based organizations, farmers producing companies, self help groups and producers, exporters and other stakeholders, so as to identify planning and marketing.
2	Community Buck Breeding & Supply Program (Supply of SMART Super Buck) (350 Bucks @ Rs.15,000 : Rs.7,500 Subsidy / Buck towards buck price & insurance for 3 Years - Procured based on standard weighment) (These numbers include breeders training also)	0.1	350	26	Supply of SMART Super Buck) (350 Bucks @ Rs.15,000 : Rs.7,500 Subsidy / Buck towards buck price & insurance for 3 Years - Procured based on standard weighment) (These numbers include breeders training also)
3	CBBP (Support for rearing, feeding & managing bucks) (350 Bucks - feeding cost @ Rs.5,000 / Buck)	0.1	350	18	(Support for rearing, feeding & managing bucks) (350 Bucks - feeding cost @ Rs.5,000 / Buck)
4	CBBP (Disease screening of bucks & vaccination - Rs.1000/Buck)	0.0	350	4	(Disease screening of bucks & vaccination - Rs.1000/Buck)
5	ToT for Sheep and Goat husbandary schools (150 master pashu Sakhis trained - 24 day training)* (Production planning, Operations, Agri-business, marketing, book keeping, etc)	0.8	228	175	228 master Pashu Sakhis trained - 20 day training)* (Production planning, Operations, Agri-business, marketing, book keeping, etc)
6	ToT for Backyard Poultry practices school (ASCI certification) (No of master pashu Sakhis & Mother Unit owners) (No of master pashu Sakhis) (24 day training) (Production planning, Operations, Agri-business, marketing, book keeping, etc)	0.8	100	77	No of master Pashu Sakhis& Mother Unit owners) (No of master Pashu Sakhis) (20 day training) (Production planning, Operations, Agri-business, marketing, book keeping, etc)
7	FFS for Sheep and Goat (20 farmers per FFS - 1500 FFS - total 30,000 farmers) (Production planning, Operations, Agri-business, marketing, book keeping, etc)	0.3	1,500	480	As part of the Farmer Field school approach to training farmers, demos will be established comprising lead farmers who will be facilitated to practice GAHP.
8	FFS for Backyard Poultry (20 farmers per FFS - 150 FFS - total 3,000 farmers)		150	48	(20 farmers per FFS - 1500 FFS - total 30,000 farmers) (Production planning, Operations, Agri- business, marketing,

	(Production planning, Operations, Agri-business, marketing, book keeping, etc)				book keeping, etc)
9	Sub-total Component B 1 (Common Extension activities - Livestock to support PP & MAP)			947	20 farmers per FFS - 150 FFS - total 3,000 farmers) (Production planning, Operations, Agri- business, marketing, book keeping, etc)
	PP & MAP Components				
	Sub-total PP , MAP& Innovative projects		52	9000.0	

A) Activity wise progress -

1.1 Completed activities -

1. Under Mahila Arthik Vikas Mahamadal (MAVIM), 20 Pashusakhis from Solapur and Ahmednagar districts were imparted first phase training on Goat and Backyard Poultry at State Level Training Institute, Gokhale Nagar, Pune.
2. Four productive partnership sub-projects of backyard poultry projects have been approved and those are participated in various activities and exhibition.
3. VCDs guideline is prepared.



4 farmers producing companies participated in the exhibition and sold indigenous eggs





Activities of Farmer Producer Company- Daily Egg Sale, World Egg Day Participation, Stakeholder Meeting



Pashusakhi training (Phase I) Dated 21/11/2022 to 26/11/2022

1.2 Ongoing activities -

1. **Livestock Master Plan(LMP)**– Draft FAO proposal under process. LMP, capacity building components should be in concurrence of RFD of SMART, which is being finalized.
2. Four PP sub-projects have received final approval and 27 projects have received in-Principle approval. Out of them 13 are backyard poultry projects and 18 are goat rearing Projects.
3. Pashusakhi training is in progress

Next plan of action

Financial Status -

Activity	Total budget (As per PIP)		Expenditure (up to Nov 2022)		Total expenditure as on date	
	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
TOT for Goat and Backyard poultry practices school			1	5.65	1	5.65
Government Staff Salary (PIU)			1	6.42	1	6.42
Contractual Staff Salary (PIU)			1	2.48	1	2.48
Consultancy payment (PIU)			1	5.14	1	5.14
4 sanctioned PPs	3	135.0			3	135.0*
Strengthening of SLTC	1	12.0			1	12.0*
Total				19.68		166.68

* This is proposed expenditure; expenditure will be incurred in Dec-2022.

B 1.5 Capacity Building:

1.0 Introduction

- It is expected to design total **four training courses for CBO leaders** (Comp. training) and **one training course** for DOA staff on gender mainstreaming, facilitate TOTs to train 150 MTs (100 MT-CBOs and 50 MTs Gender.) & conduct 5 Demo. Trainings (to train 150 participants – CBO leaders and Nodal officers).
- This will help in designing and implementation of sub-projects effectively and ultimately for creating enabling environment for development and sustainability of CBOs agri. Business.
- Project appointed Service Provider (PriMove, Pune) for the above work. PriMove initiated assignment work from 18th May 2021.
- This is a progress report of comprehensive training of CBOs and MTs and it elaborate work completed under so far till November, 2022 end.

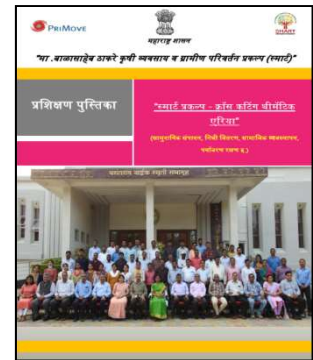
1.0 Designing of Training module and manuals

PCMU in consultation with VANAMATI and RAMETI identified total 160 Master Trainers (115 MTs- CBOs and 55 MT- Gender) for facilitating training of CBOs and DOA staff. Further, team also prepared TOT and Demonstration training strategy. Same was finalized in consultation with VANAMATI.

Later team conducted TNA exercise and based on TNA findings designed five facilitator guidebooks and resource manual on following topics.

- 1.0 Introduction to SMART project
- 2.0 Business planning and implementation
- 3.0 SMART – Cross cutting thematic area
- 4.0 Refresher course
- 5.0 Gender mainstreaming

The brief information about training module and manual is as below.



The brief information about facilitator guidebook and resource manual is as below.

A. Facilitator Guidebook / Module: 05 booklets

The facilitator guidebooks will aim at preparing and assisting the Master Trainers to effectively design and facilitate the trainings.

Content

- Brief information about the training program (trg. Outline)
- Schedule
- Detailed session plans for step by step facilitation (session title, Objective, methodology of facilitation, expected outcomes, material required for each session)
- Pre and post training questionnaires
- Attendance and registration sheet
- Training evaluation format
- Guidance regarding structuring and facilitation of the training program

B. Resource manual (Reading material) :05 booklets

The resource manuals will provide subject knowledge for session facilitation. It will also be a resource material for participants.

Content

- Detailed subject Knowledge
- Best practices and learning's
- List of further readings and references

1.0 Organization of four TOTs of Master trainers and five demonstration training

2.1 Organization of TOT:

PCMU in consultation with Support Agency facilitated 4 TOTs at VANAMATI, Nagpur and trained around 113 MTs. The details of training are as follows.

Sr. No	Training	Training dates	Number of participants
1.	Batch 1 – Aurangabad, Amravati, Latur and Nagpur Divisions	22 nd – 27 th Nov 21	63
2	Batch 2 Nashik, Konkan, Kolhapur and Pune Divisions	22 nd – 27 th Nov 21	50
	TOTAL		113

The key features of training is as below.

- Participatory approach
- Design based on adult learning's principles
- Field visit to APMC, processor, FPC
- Integration of AV clips (Motivational)
- Blend – theory and practical's sessions / Group work & ppt.

Participants and officials from VANAMATI, RAMETIs and project districts appreciated the overall design of training courses

2.2 Organization of Demonstration training at RAMETIs level :

PCMU in consultation with SA and VANAMATI conducted five demonstration trainings at RAMETIs level (at RAMETI- Nasik, Pune, Kolhapur, Aurangabad and Nagpur) and trained around 180 participants. It mainly included BoDs and CBOs . These five demonstration trainings conducted in the month of December 2021 to January 2022.

The table presenting brief information about TOT and Demo. Training is as below.

No	Activity	Description	Remark
1	Facilitation of 4 TOTs at VANAMATI level To train 100 Master trainers	<ul style="list-style-type: none"> • Finalized training schedule and presentations in consultation MTs • Considering project needs and timeline for submitting FPP (31st March) conducted TOTs of MTs at VANAMATI Nagpur in the month of November 2021 and trained 113 MTs 	<ol style="list-style-type: none"> 1. Around 113 in-house staff trained on FPP preparation and SMART project implementation 2. Around 350 FPP

		<ul style="list-style-type: none"> Shared all designed training modules and manuals with MTs. Also provided input on how to use it for facilitating training. Provided handholding support to PCMU and RAMETIs for conducting online trainings across eight agri. divisions <p>Output: Trained 113 MTs (M-90 and F-23) and TOTs report</p>	<p>submitted immediately after TOT and Demo.</p> <p>Training</p> <p>3. Created enabling environment of for project execution in project district</p>
2	Conduct 5 Demonstration trainings on comprehensive training at RAMETI level	<ul style="list-style-type: none"> Conducted five demo. Trainings at RAMETI level (Nasik, Pune, Kolhapur, Aurangabad and Nagpur) in December 2021 and January 2022 and trained 180 participants (CBO leaders and Nodal officers) (Focus- FPP preparation) Shared all training modules and manuals with participants. <p>Output: Trained 180 participants (M-157 and F-23) (CBO leaders and Nodal officers)</p>	

3.0 Conduct TOTs of DOA Staff on Gender Mainstreaming in Agri.

PCMU along with SA and VANAMATI prepared separate training module and manual on gender mainstreaming topic. It consists of following topics.

- Basic Gender Concepts
- Understanding Social Inclusion
- Gender Analysis and its Tools
- Women's participation in Agriculture value chain
- Gender Mainstreaming Strategy of Project
- Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013
- Planning for Mainstreaming Gender in current DoA program
- Facilitation skills



Team organized 2 TOTs at NWA, Khadkwasala in the month of February 2022 and trained around 54 participants (MT-Gender)



4.0 Preparation of AV clips

Effective and smooth facilitation of training sessions on key topics (like value chain, business calculator, VCDS, FPC statutory compliances, intro. To FPP etc.) is equally important. Considering above point PCMU along with SA prepared 20 AV clips.

4.0 Details of training conducted in year FY 2022-2023

During FY 2022-2023 PCMU in consultation with VANAMATI conducted 42 batches and trained around 1188 participants (till date 6 Dec 22). Around 118 Master trainers engaged in these trainers.

Bridge Technical Support for CLFs/CMRCs: (PIU MSRLM & MAVIM):

- I. 2 SP are on boarded for 400 FPCs Registration of CLF & CMRCs.
- II. 163 FPCs got the registration certificates. Remaining FPCs registration process is in progress.

FPO Registration Status

TSA- Primove

Sr.No.	District	Target	Achievment
1	Yavatmal	12	10
2	Chandrapur	10	6
3	Aurangabad	11	6
4	Bhandara	12	7
5	Washim	11	2
6	Jalna	9	4
7	Buldhana	11	5
8	Amravati	12	4
9	Gadchiroli	7	3
10	Nanded	10	2
11	Gondia	11	3
12	Beed	9	3
13	Nagpur	10	0
14	Hingoli	11	3
15	Latur	11	3
16	Osmanabad	11	3
17	Parbhani	11	6
18	Wardha	12	4
19	Akola	9	4
Total		200	78

TSA- Basics

Sr.No.	District	Target	Achievment
20	Jalgaon	15	14
21	Ahmednagar	15	12
22	Nandurbar	12	6
23	Dhule	13	3
24	Nashik	14	8
25	Pune	15	10
26	Sangli	13	3
27	Solapur	16	4
28	Satara	17	1
29	Raigad	7	0
30	Ratnagiri	12	7
31	Palghar	12	2
32	Thane	10	0
33	Sindhudurg	12	6
34	Kolhapur	17	8
Total		200	85



Baseline survey Mapping of potential CLFs and CMRCs, and awareness campaigns by Basics



CLFs/CMRCs Orientation Program by Basics



Mapping of potential CLFs and CMRCs by Primove



**Skill Assessment of BoDs and Designing Of
Training by Primove**

B 2 Enterprise Development Support (PIU, MSRLM):

Introduction:

A value chain is only as strong and competitive as its constituent enterprises. It is imperative that agri-enterprises active in the fields such product development, food safety, traceability, processing technologies etc. be strengthened so that all players in the value chain become more efficient and competitive. This sub-component will provide Business Development Services (BDS) to identified enterprises in focus commodities and value chains. The sub-component will support hiring of specialized Technical Support Providers (TSPs) and provision of last-mile services to enterprises, assistance for developing business plans and commercial loan applications; and adoption of more efficient production and processing technologies, including green technologies. The sub-component “Enterprise Development” will focus on enhancing outcomes for women-owned enterprises through identification of commodities, clusters and processing activities where women predominate; through training and deployment of women last-mile technical service providers; and through longer periods of intensive handholding and technical support to enable growth of such enterprises.

Ongoing Activity:

The ToR for Business Development Support to the Enterprises is prepared and is being sent to World Bank for clearance.

B 3 Access to Finance:

07 MoUs with various banks. Comprehensive MoU with Bank of Maharashtra dated 15.7.2022. The salient features of MoU is as under:

- 1) Collateral free loan up to Rs.200 lakhs in case of CGTMSE cover applicable
- 2) Rate of Interest starting from 7.35% p.a. as per “Maha Krushi Samruddhi Yojana”.
- 3) No interest on loan will be charged limited to the extent of Project grants lying interest free with the bank, in the special current account of CBO.
- 4) Equated Monthly Installment (EMI) will be calculated considering the bank’s exposure/loan amount.
- 5) Bank has standardized credit rating tool namely ‘BOM ICON’ which CRISIL based rating tool and accepts minimum credit rating as “BBB”.
- 6) Bank has centralized loan processing cells at each District/Zones throughout the state for the hassle-free loan and quick loan processing.
- 7) Bank along with beneficiary CBO and Project will strive for convergence with various schemes such as interest subvention scheme of Agriculture Insurance Fund (AIF), Credit Guarantee scheme of Nab Saurakshan, Financial Intermediary Loan (FIL) scheme of Magnet project, SFAC credit guarantee fund scheme and similar schemes where convergence is possible. This will benefit the bank as the loan will get more secured and also the CBO as they will get benefitted by reduced interest rates.
- 8) Bank will monitor proper usage of project funds as mentioned in grant agreement through their loan monitoring mechanism.
- 9) The branch managers of the respective branch will be signing the Grant Agreements (Both Loan and No Loan case).
- 10) MIS for loan and no-loan case CBO for monitoring of CBO sub-project.
- 11) Bank will provide in-principle sanction to CBOs at the State level. The first tranche of subsidy released by project to bank in special account named as “Grant Received from SMART Project” CBOs on basis of in principle sanction will be managed centrally at the same bank branch in CBO’s subsidy reserve account.



Details - Access to Finance:

PIU	Tranche released to no. of CBOs	No. of CBOs with no loan case	No. of CBOs-Loan sanctioned		BOM in principle loan sanctioned
			Other Banks	BoM	
AGRI	73	13	11	28	21
VSTF	6	0	3	3	0
MAVIM	15	12	3	0	0
AHD	3	2	0	1	0
MSRLM	3	3	0	0	0
Total	100	30	17	32	21

70 CBOs received loan sanction and 30 CBOs have raised their own contribution

B4 Pilot Program on Urban Food Systems:

Objectives:

- a. To build safe food systems for the city of Pune
- b. To improve nutritional status of Pune citizens by 3As (Awareness, Access, and Availability of nutritious, safe food)
- c. Forging strong urban rural linkages for creating sustainable food systems.

To achieve these objectives following interventions are planned

1. Behaviour Change Communication Campaign
2. Creating complimentary infrastructure for CBOs for accessing Urban markets
 - a. Farmers weekly markets in PMC
 - b. CBOs as supplier to the Midday meal schemes
 - c. Access to CBOs in Organized retail markets and adopting GAP Safe food protocols by its Members
 - d. Access to Post harvest infra to CBOs
3. To improve goat meat value chain through up gradation of the existing slaughter house.

Activity wise Progress –

1. Upgradation of slaughter house as per APEDA Standards.

- The selected service provider which was shortlisted has been recommended to PCMU for issuing RFP to the said firm.
- PCMU has sent the RFP to the concerned firm (MITCON Consultancy).
- PCMU & PMC has replied the pre bid queries

- MITCON Consultancy along with PMC officers visited Slaughter House on 27 May 2022. Further activity is in process.
- MITCON has submitted their proposal against issued RFP.
- Tender opening and contract negotiation meeting for selection of consultancy firm was held under the chairmanship Hon. Commissioner Agri. in presence of PMC, PCMU members and MITCON Consultancy on 30/08/2022.
- The negotiated contract with M/s MITCON Consultancy and Engineering Services Ltd, Pune JV with National Research Center on Meat, Hyderabad has been approved for the contract price of Rs.69,21,980/- (Exclusive GST)

2. Upgradation of Farmers Weekly Market

- As discussed in the meeting held on 02/12/2021 at PMC, we have forwarded the details of 5 weekly farmer market / Otta market (already constructed in PMC land) & 1 open market (to be developed) to PCMU for further process.
- On 20th June 2022, world bank has reviewed way forward steps and inform about world bank team visit in the July for study the market flow, current happening, involvement of FPOs, and what kind of rehabilitation to be done etc.
- Meeting with PCMU, MSAMB, DIU Pune, and PMC dated on 12/08/2022 related to FWM .
- Ms. Jolly Barooah, Market design Consultant, World bank, PCMU Team and SMART PIU PMC Team Jointly visited to 12 market site plus one demonstration site of community farming within a PMC residential area on 24 and 25 August, 2022. After site visit meeting With Mr Madhav Jagtap, Nodal Officer, PIU-PMC, MSAMB and DIU Agri on 25/08/2022.
- Meeting held on 11/11/2022 under Chairmanship of Mr. Madhav Jagtap , Nodal Officer, SMART PIU PMC with CBO to allocate the Farmers Weekly Markets. In this meeting, decision was taken that with the approval of the Hon. Commissioner, Pune Municipal Corporation 20 open spaces and 6 constructed otta markets will be allocated for organizing farmers weekly markets.

3. IEC implementation plan

- Advertisement for “Selection of Service Provider for IEC activities for Urban Food Pilot” has been publishes on newspaper on 19th July, 2021.
- RFP received from following three consultancy agencies for IEC project.
 - A. Insuco INTL LTD. UK
 - B. LEA Associates South Asia Pvt.
 - C. Vision RI Connexion Service Pvt.
- Initial Technical Evaluation Report was prepared dated 23/03/2022. From this technical evaluation report it was observed that all of the agencies do not fulfill the criteria. Hence the proposals rejected.
- Evaluation team has modified the qualifying criteria and issued the new RFP for proposals by SMART PCMU.
- Advertisement for “Selection of Service Provider for IEC activities for Urban Food Pilot” has been publishes on newspaper on 24th June 2022
- IEC Pre bid meeting done with consultancy dated on 27th June 2022.

- PCMU& PMC has replied the pre bid quarries dated 29th June 2022
- RFP received from following two consultancy agencies for IEC project.
A. AFC India Ltd., Nagpur
B. Parul Arogya Seva Mandal, Vadodara.
- Initial Technical Evaluation Report was prepared dated 19/09/2022. From this technical evaluation report it was observed that both the agencies do not fulfill the criteria.
- From this technical evaluation report it was observed that all of the agencies do not fulfill the criteria. Hence the proposals rejected in the meeting held dated 19/10/2022.

4. FAO Study:

- Multi stake holder group formation done.
- FAO NUTRITION DIALOGUE SERIES 2022 – Geneva on Urban Food Systems for better diets was presented by Dr.Ashish Bharti. Dated on 21/06/2022
- PMC along with World Bank and PCMU is planning to conduct Multi Stake Holder Group (MSG) Meeting in the month of July through online mode.
- FAO Study - Meeting with world bank related to MSG dated on 21st July 2022.
- MSG meeting is proposed in the month of December, 2022.

5. Mid-Day Meal in PMC schools- School nutrition diet plan:

- Once School open will arrange meeting of Central Kitchen owner with Farmer Producer Company.
- Collected data of raw material (Vegetable & Grains) from Central kitchen which required for a year.
- Mid-Day Meal in PMC schools- School nutrition diet plan -Tender published for central kitchen contractor.
- Once Central Kitchen agencies/FPO/CBOs/NGO will be done then will conduct this activity.

1.1 Completed activities –

1. Upgradation of slaughter house as per APEDA Standards -

The negotiated contract with M/s MITCON Consultancy and Engineering Services Ltd, Pune JV with National Research Center on Meat, Hyderabad has been approved for the contract price of Rs.69,21,980/- (Exclusive GST)

2. Upgradation of Farmers Weekly Market –

- Ms. Jolly Barooah, Market design Consultant, World bank, PCMU Team and SMART PIU PMC Team Jointly visited to 12 market site plus one demonstration site of community farming within a PMC residential area on 24 and 25 August, 2022. After site visit meeting With Mr Madhav Jagtap, Nodal Officer, PIU-PMC, MSAMB and DIU Agri on 25/08/2022.



- Meeting held on 11/11/2022 under Chairmanship of Mr. Madhav Jagtap , Nodal Officer, SMART PIU PMC with CBO to allocate the Farmers Weekly Markets. In this meeting decision was taken that with the approval of the Hon. Commissioner, Pune Municipal Corporation 20 open spaces and 6 constructed otta markets will be allocated for organizing farmers weekly markets.



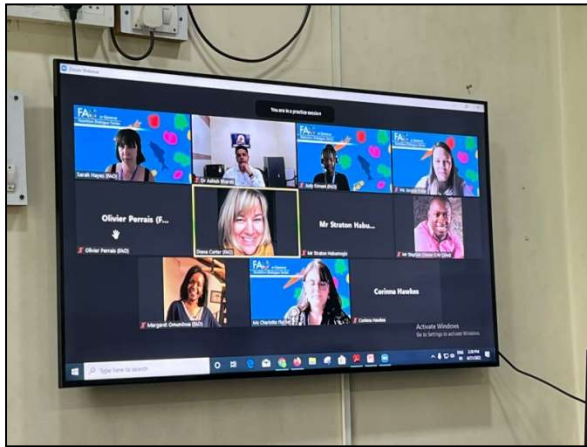
3. IEC implementation plan

Initial Technical Evaluation Report was prepared dated 19/09/2022. From this technical evaluation report it was observed that both the agencies do not fulfill the criteria.

From this technical evaluation report it was observed that all of the agencies do not fulfill the criteria. Hence the proposals rejected in the meeting held dated 19/10/2022.

4. FAO Study

- FAO Study – Meeting held with World Bank related to MSG dated on 21st July 2022.
- MSG meeting is proposed in the month of December, 2022.



1.6 Ongoing activities –

1.Up gradation of slaughter house as per APEDA Standards

The meeting is held on 20/12/2022 under the chairmanship of Hon. Additional Municipal Commissioner, Pune Municipal Corporation and Head, PIU-PMC, SMART to sign contract with M/s MITCON Consultancy and Engineering Services Ltd, Pune JV with National Research Center on Meat, Hyderabad has been approved for the contract price of Rs.69,21,980/- (Exclusive GST).

2. Up gradation of Farmers Weekly Market –

For upgradation of Farmers Weekly Market Cost estimates of Rs.1.67 Lakh and structural plan for construction works of 5 open spaces is submitted to WB for guidance.

3. IEC implementation plan

Proposal is submitted to PCMU, SMART by letter dated 4/11/2022 to appoint Maharashtra Cooperative Development Corporation (MCDC), Pune as Service Provider for IEC activities for Urban Food Pilot.

4. FAO Study

- MSG meeting is proposed in the month of December, 2022.

5. Mid Day Meal in PMC schools - School nutrition diet plan:

- Mid Day Meal in PMC schools- School nutrition diet plan -Tender published for central kitchen contractor. The tender process is expected to complete upto 15/12/2022. After that Central Kitchen agencies/FPO/CBOs/NGO will conduct this activity.

Next Plan of action

1.Up gradation of slaughter house as per APEDA Standards

Key Activities and deliverables of the proposed tasks	Timeline
➤ Renovation of the PMC Abattoir	
•Data collection, drafting and submission of inception report.	30/01/2023
• Data collection, drafting and submission of Final techno-economic feasibility study report to client after incorporating comments from the Client.	28/02/2023
•Finalizing the design of the Abattoir in consultation with PMC official with due consideration to the local challenges.	30/06/2023
• Regulatory compliance – Technical Assistance	31/10/2023
• Development of Sops, work instructions for the smooth functioning of The Slaughterhouse.	30/06/2024
• Training & capacity building of AHD staff, abattoir staff & PMC staff.	30/06/2024
➤ Butcher training	
• Train butchers & meat retailers of Pune city on various aspects of clean meat production	30/06/2023
• Refresher training of previously trained butchers & meat retailers after 2 Years	30/6/2024

2. Up gradation of Farmers Weekly Market –

Key Activities and deliverables of the proposed tasks	Timeline
• After approval to the cost estimates of Rs.1.67 Lakh and structural plan for construction works of 5 open spaces Tender process for selection of contractor for civil and other works of 5 open spaces done for development of farmer's weekly markets.	10/1/2023
• Completion of civil and other development works.	10/02/2023

3. IEC implementation plan

Key Activities and deliverables of the proposed tasks	Timeline
Submission of proposal by MCDC for training	30/12/2022
Appointment of MCDC for training	30/12/2022
Appointment of MCDC for training	15/1/2022
Baseline Survey to be done simultaneously by M & E Adviser of PCMU	01/1/2022 to 30/1/2022
Training of Stakeholder	
Submission of Draft Training Module (Stakeholder/Subject matter Expert review)	01/02/2023
Submission and approval of Final training Action Plan including IEC strategy based on findings of Baseline Survey for Food handlers in the city. (Total of 6 Training sessions to be conducted covering approx. 10,000 beneficiaries) Ref- Annexure 1	01/03/2023
Training 1- Meat Traders /Butchers/Slaughterhouse Staff	01/04/2023
Training 2- Mid day workers	01/05/2023
Training 3- FPO/CBO	15/05/2023
Training 4- Hoteliers/Restaurants	08/06/2023
Training 5- Street Vendors	31/06/2023

4. FAO Study

- MSG meeting is proposed in the month of December, 2022.
- A representative from PMC will participate in the World Bank - FAO Knowledge Series on Food System arranged from Dec 2022 to June 2023.

5. Mid-Day Meal in PMC schools - School nutrition diet plan:

- Mid-Day Meal in PMC schools- School nutrition diet plan -Tender published for central kitchen contractor. The tender process is expected to complete upto 15/12/2022. After that Central Kitchen agencies/FPO/CBOs/NGO will conduct this activity.

H) Financial Status -

Budget heading	Activity	Total budget (As per PIP)		Expenditure (up to Nov 2022)		Total expenditure as on date	
		Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
B3.1.8-Feasibility study of slaughter house.		1	720	0	0	0	0
B3.1.11-Appointment of technical consultant for Training module development, IEC strategy plan, design, content development		1	260	0	0	0	0

Budget heading	Activity	Total budget (As per PIP)		Expenditure (up to Nov 2022)		Total expenditure as on date	
		Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
	(including content for social media)						
	B3.1.16-Development of farmer's weekly markets	1	280	0	0	0	0
	B3.1.18-Government Staff Salary	2		1	3.24	1	3.24
	B3.1.19 – Contractual Staff Salary	2		1	2.44	1	2.44
	D1.9 – IT infra with software license copy PCMU/PIU/RIU/DIU)			0	0	0	0
	D2.4Admin and operating cost (PCMU/ PIU/ RIU/ DIU)			0	0.11	0	0.11
	TOTAL Rs. (Lakhs)	7	1260	2	5.79	2	5.79

Project Implementation Unit, Agriculture:

This Project is jointly implemented by ATMA Wing, Dept. of Agriculture GOM, PMC Pune, MSAMB, and Farmer Producer Company.

Under this Project the Components Implemented by Dept. of Agriculture GOM, are Follows,

- Selection of CBOs to Participate in direct Marketing (Farmer to Consumer).
- Baseline Survey of existing Supply chain and its MRL.
- Organization of Market oriented Demonstration (MLD).
- Testing of Fruit and Vegetable for Agriculture Practices MRL (Traceability) & organic Certification and GAP certification.
- Creating Awareness in Farmers about safe Production of Fruits & vegetable.
- Farmer Field School.
- Exposure Visits.
- Creating Infrastructure to address the Cleaning, Sorting, Grading and Packaging Issues.
- Call for proposal for selection of CBO in urban food system -

Advertise published in newspaper on date 08/07/2022 to apply for participating in Urban Food Pilot program implemented in SMART project by CBO (Farmer Producer Company/Farmer Group).

28 CBO Applications are received. Details are as follows-

Sr.No.	CBO Name
1	Kendramata Agro Producer Company Ltd.
2	Kastakari Raja Agro Farmers Producer Company Ltd.
3	Swami Samarth Shetkari Producer Company Ltd.
4	VNS Farmer Producer Company Ltd.
5	Pavitrak Farmer Producer Company Ltd.

6	Gramvikas Krushishakti Shetkari Utpadak Company
7	Purandar Laxmi Shetkari Mahila Producer Company
8	Shaswat Krushivikas India Shetkari Utpadak Company
9	Deccan Vally Farmers Producer Company Ltd.
10	Fargade Farmers India Production Company Ltd.
11	Vigro Agriteak Producer Company Ltd.
12	Tikone Farmer Producer Company Ltd.
13	Sastain Agro Producer Company Ltd.
14	Torana Agro Producer Company Ltd.
15	Krushi Navkalpana Farmer Producer Company Ltd.
16	Bana Health Farmer Producer Company Ltd.
17	Bhudargad Natural Producer Company Ltd.
18	Bhairavnath Uas Utpadak Shetkari Gat
19	Lokadnya Farmer Producer Company Ltd.
20	Virtual Agro Farmer Producer Company Ltd.
21	Bhairavnath Krushi Vikas Shetkari Gat
22	Natural dna Farmer Producer Company Ltd.
23	Dhoneshwar Bhat va Bhajipala Utpadak Shetkari Bachat Gat
24	Mahaswaraj Group of Agro Producer Company Ltd.
25	Namo Abhiyan Sahakari Sanstha
26	Shivmalhar Sendriya Sheti Vikas Gat
27	Krushi Navkalpana Farmer Producer Company Ltd.
28	Shribhimahankar Agro Producer Company Ltd.

Details of Various Meetings held by PMC Pune and DIU Pune Regarding Urban food System

1. Meeting with PMC held on 02/12/2021 regarding Ota market and Farmers weekly markets are available to start by CBO. Following 5 Otta markets and 1 Weekly Bazar selected in SMART Project -
 - Kharadi Otta Market, Survey No.5 Kharadi, Pune
 - Punya Nagari Otta Market, Survey No.39 Vadgaon Sheri, Pune
 - Kuranjai Otta Market, Survey No.120 Kalas, Pune
 - Suncity Otta Market, Survey No.12 Vadgaon Bu.Sheri, Pune
 - Baner Otta Market, Survey No.85 Baner, Pune
 - Shivaji Vyayam Mandal, Shivaji nagar gavthan,Pune
2. Meeting with PMC held on 23/03/2022 regarding FPO selection, Mid Day mil Scheme, Development of Weekly Markets and slaughter houses.
3. Meeting with PMC held on 12/08/2022 regarding allotment of Otta market and Farmers weekly markets, Central kitchen and Mid day meal scheme to selected CBO by DIU Pune.
4. Meeting with CBO held on 29/08/2022 regarding involvement of Selected CBO for Demonstration and MRL testing by DIU Pune
5. Meeting with PMC held on 13/09/2022 regarding procedural formalities to start Farmers weekly and Otta markets.
6. Meeting with PMC held on 11/11/2022 regarding final allotment of Open Space Farmers Weekly Market and Otta Market.

Allotment list is as follows-

Sr. No.	Open Market Details	Allotted CBO Name
1	Dasara Chauk, Balewadigaon road, Balewadi	Swami Samarth Farmer Producer Company Ltd.
2	Baner Pashan link road S.no.134 Pashan, Pune	Kashtkari Raja Agro Farmer Producer Company Ltd.
3	Adishakti yoga centre, Sai chauk to sutarwadi Pashan Sus road, Pune	Shaswat Krushi Vikas India Farmer Producer Company Ltd.
4	Patil nagar Suryadatt college Bavdhan, S.No.342 Pune	Swami Samarth Farmer Producer Company Ltd.
5	L.M.D. Chauk, Bavdhan S.no.17/2, 18/1	Shaswat Krushi Vikas India Farmer Producer Company Ltd.
6	Opposite of Gold Jim, Kalyaninagar, Pune	Shaswat Krushi Vikas India Farmer Producer Company Ltd.
7	Netaji Subhas Chandra Bose Higher Secondary School Open space, Yerwada, Pune	Tikone Farmer Producer Company Ltd.
8	Kondhawa Khud S.no.13/1/2/3, Bramha Majestic & Bramha Exabiasation,Pune	Gramvikas Krushishakti Farmer Producer Company Ltd.
9	S.no.16/3 B, Pune PMC Open Space, Dhanori Lohgaon Road, Dhanori	Shaswat Krushi Vikas India Farmer Producer Company Ltd.
10	vadgaon Sheri S.no.9/2,10//1,1/3+10/2, Plot No.3,13/3,10/5 Nyati Tech Park,Pune	Wingrow Agritech Producer Company Ltd.
11	S.no.54/, Behind Eklavya Complex, Opposite of D Wing, Jijai Nagar, Kothrud, Pune	Bhudargad Natural Farmer Producer Company Ltd.
12	Near Arvind Ganpat Bartakke Hospital, Warje Malwadi,Pune	Tikone Farmer Producer Company Ltd.
13	Near Bharat Petrol Pump, B.T.Kawade Road, Ghorpadi, Pune	Fargade Farmers India Producer Company Ltd.
14	Nav Chaitanya Hasya Club ground, Wakeshwar Chauk, Pashan Sus road, Pashan,Pune	Deccan Valley Farmer Producer Company Ltd.
15	Opposite side of S.R.P.F. Ground, Kothi Wanwadi, Pune	Lokadnya Farmer Producer Company Ltd.
16	S.No.63, Salunkhe Vihar chauk,Kondhawa Khurd, Pune	Bhudargad Natural Farmer Producer Company Ltd.
17	Sitaram Avaji Bibve School, Bibvewadi, Pune	Torana Agro Farmer Producer Company Ltd.
18	Eskon Mandir, Kondhawa, S,No.56/8A/25A/9A	Gramvikas Krushishakti Farmer Producer Company Ltd.
19	Nagari Vasti Vibhag Adhar Centre, Mahila Unnati Kendra, Baner, Pune	Virtual Agro Producer Company Ltd.
20	Nadbramha Society, Amenity Space, Warje, Pune	Mahaswarajya Group of Agro Producer Company Ltd.

Sr.No.	Otta Market Name and Address	Alloted CBO Name
1	Punya Nagari, Otta Market, S.No.39 Wadgaon Sheri, Pune	Gramvikas Krushishakti Farmer Producer Company ltd.
2	Kharadi Otta Market, S.No.5/1 Kharadi, Pune	1.Kendrainmata Agro Producer Company ltd 2. Shaswat Krushi Vikas India Farmer Producer Company ltd.
3	Kuranjaimata, Otta Market, S.No.120, Kalas, Pune	Shaswat Krushi Vikas India Farmer Producer Company ltd.
4	Bhanori Rajmata Jijau Otta Market, Dhanori road, Pune	1.Kendrainmata Agro Producer Company ltd 2. Shaswat Krushi Vikas India Farmer Producer Company ltd.
5	Baner Smart City Otta Market, S.No.85/1, Baner, Pune	1.Kashtkari Raja Agro Producer Company ltd 2.Torana Agro Producer Company ltd 3.Deccan Valley Farmer Producer Company ltd.
6	Suncity Otta Market, S.No.39 Wadgaon Budruk, Pune	1.Mahaswarajya Group of Agro Producer Company ltd. 2. Bhudargad Natural Farmer Producer Company ltd.

▪ **Current Status of Weekly Markets Started by CBO -**

Sr.No.	Weekly Market Name	CBO Name	Day	Time
1	L.M.D. Chauk, Bavdhan S.no.17/2, 18/1	Shaswat Krushi Vikas India Farmer Producer Company ltd.	Tuesday	3 pm to 9 pm
			Saturday	3 pm to 9 pm
2	Adishakti yoga centre, Sai chauk to sutarwadi Pashan Sus road, Pune		Wednesday	3 pm to 9 pm
3	S.no.16/3 B, Pune PMC Open Space, Dhanori Lohgaon Road, Dhanori		Thursday	3 pm to 9 pm
4	Dasara Chauk, Balewadigaon road, Balewadi		Swami Samarth Farmer Producer Company ltd.	Thursday
5	Patil nagar Suryadatt college Bavdhan, S.No.342 Pune		Friday	3 pm to 8 pm

Remaining Markets will be started after completing procedural formalities from PMC, Pune.
(Agreement, Finalization of rules and regulations for operating respective market)

Meeting with CBO held on 22/11/2022 Regarding Demonstration Crop finalization of selected
CBOs under Urban Food System by DIU Pune.

Component C: Building Risk Mitigation Mechanism:

The objective of this component is to strengthen risk mitigation measures, including building the capacity of the state to respond to commodity-price fluctuations; developing access and ability of farmers to take considered decisions based on timely market intelligence reports; enhancing access of producers to collateral-based financing at locations close to their farms; and facilitating farmers' use of hedging instruments through their CBOs. Under this component, As an important component towards building the risk mitigation mechanisms, the Project envisages an establishment of **Market information and Market intelligence cell (MIC)** in project implementation Unit-Agriculture.

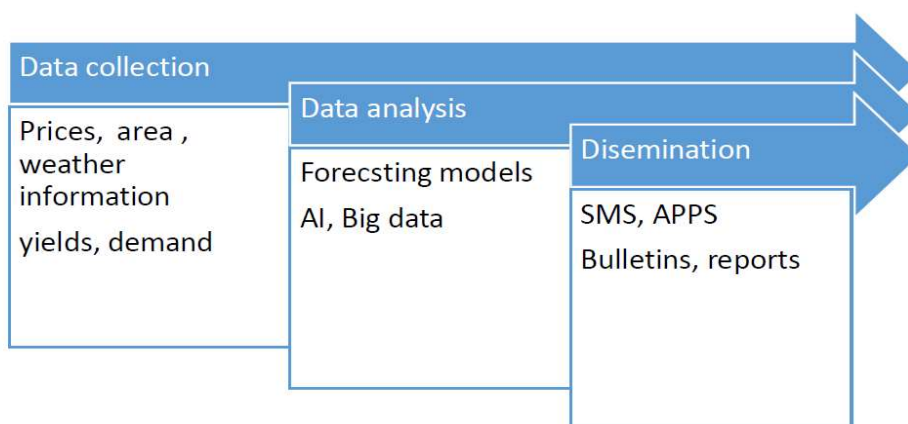
Subcomponent C1: Market Information & Intelligence Cell (MIIC):

The objective of this cell is to help farmers to make marketing and storage decisions based on market information and market intelligence thus avoiding distress sale at the time of harvest and realize better prices. Briefly, the component involves: collecting, analyzing and dissemination of real time market prices, predicting market prices in storage, building capacity of CBOs /farmers so that they in turn can correctly interpret the market information and market intelligence data also focusing on support to the CBOs, farmers, and the GoM to plan and implement cropping, sales, and procurement decisions based on enhanced market information and intelligence. The project is being support to the adoption of information technology (IT) solutions to disseminate information online and via mobile phone, coupled with support offered to CBO members to understand and use the information for cropping, harvesting, and sales decisions. This cell is focusing on use of market intelligence services to the project beneficiaries through focused outreach and workshops.

Objectives of the Market Information & Intelligence Cell (MIIC)

- a) To strengthen the ability of farmers /farmer groups to take decisions based on market intelligence report
- b) To create market intelligence system that will enable farmers to maximize their earnings through
 - i) achieving the right mix of crop, ii) more effective crop care and iii) better timings of sale of their produce.
- c) To create market information system to support the state's capacity to design suitable policy interventions on supply, demand, stocks and export availability of select crops, especially in response to weather and price shocks as well as facilitation of food procurement management for stable price regime.
- d) To create strong, dynamic database for better predictions as well as effective monitoring of government policy

Process flow the Market Information & Intelligence Cell (MIIC)



Team of Market Information & Intelligence Cell (MIIC)

Dr. A.P. Kulkarni has been appointed as Advisory Consultant for MIC

Posts approved and filled as per GR dt.11.11.2021.

Sr. No.	Post approved	Post Filled	Name of the Staff	Educational Qualification
1	Crop Analyst - Agriculture	Crop Analyst - Agriculture	Dr. Raviraj Pawar	Ph.D. (Agri. Economics)
2	Crop Analyst - Horticulture	Crop Analyst - Horticulture	Mr. Sachin Kadam	MA, M.Phil.(Economics)
3	IT & Communication Expert	(Post Vacant)	-	-

Approval Committee for the Price Forecast Finalization

Sr. No.	Post & Organization	Post	Sr. No.	Post & Organization	Post
1	Hon. Commissioner - Agriculture	Chairman	11	Managing Director , MSAMB	Member
2	Managing Director - MSWC, Pune	Member	12	HoD (Agri. Economics) Agriculture University - Rahuri, Dapoli, Parbhani, Akola)	Member
3	Managing Director - MSSC	Member	13	Director - Horticulture, DoA, Pune	Member
4	Managing Director - MAIDC	Member	14	Director - Extension & Training, DoA, Pune	Member
5	Project Director - SMART	Member	15	Director - Planning and Processing , DoA, Pune	Member
6	Director - Directorate of Marketing , Pune	Member	16	Director- ATMA, DoA, Pune	Member
7	Managing Director -MIDH	Member	17	Chief Statistical Officer, DoA,	Member

				Pune	
8	Regional Coordinator – NAFED Western Zone	Member	18	Gokhale Institute of Politics & Economics, Pune	Member
9	Chief General Manger – NABARD, Pune	Member	19	Crop Analyst- Horticulture, MI&RMC, SMART	Member Secretary
10	Chief General Manger – BoM, Pune	Member			

The first meeting of committee members has been conducted on dated 13.09.2022 for finalization of price forecast

Commodities selected by Market Information & Intelligence Cell (MIIC)

The Market information & Intelligence cell is established under PIU-Agriculture, SMART project started its functioning in June 2022 with major objective of being collection and analyzing the agricultural prices and preparing and disseminating their forecast. Initially Market Information & Intelligence Cell proposes to analyze and forecast the prices of following 06 commodities out of selected 16 commodities for the year 2022-23.

Year 2022-23	Year 2023-24 (Additional Commodities)	Year 2024 onwards (Additional Commodities)
Soybean	Tomato	Rice
Cotton	Turmeric	Cashewnut
Tur	Grapes	Orange
Maize	Mango	Banana
Gram	Pomegranate	
Onion	Goats	

Markets selected for Price analysis

The markets are selected on the basis of maximum arrivals during last five years. These are as follows:

Sr. no.	Commodity	Market
1.	Soybean	Latur
2.	Cotton	Rajkot
3.	Tur	Akola
4.	Maize	Nandgaon
5.	Gram	Latur
6.	Onion	Lasalgaon

a. Data collection and sources of data

The data on the following variants were collected from the various sources.

1. The yearly data (Worldwide /all India level /state wise /district wise) of Area, production and productivity of selected commodities
2. Yearly series on World import and export of the selected commodity (Quantity and Value) for major countries of the world.
3. Yearly series on India's import and export of the selected commodity (Quantity and Value) for major countries.
4. Time series data on monthly arrivals and prices of the selected commodities from AGMARKNET.
5. International prices of the selected commodities.
6. Season wise Minimum support prices in India
7. Yearly balance sheet for the selected commodities both for India and other important countries (Opening stock, Production, Imports, Exports, Utilization/Consumption, Closing Stock)
8. Future commodity prices from NCDEX and MCX.
9. Data sources and monthly reports of Department of Agriculture (Govt. of Maharashtra), APEDA, USDA, AMIS, FAO & CCI etc.

b. Methodology of forecasting

On the basis of data collected from various sources, both statistical and econometric tools were used for preparing the forecast. The different models were experimented by using statistical tools like GRETL, E- views, R etc. The detailed models used for forecasting is as follows:

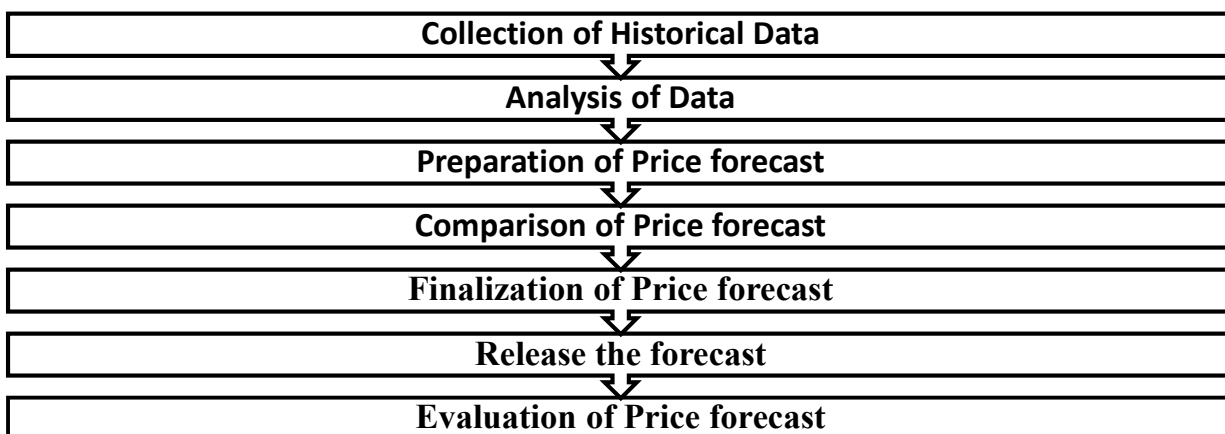
1. **Fundamental Models** using Econometric Models [establishing relationships between prices and production, availability, exports, imports, crop - wise rainfall indices, etc.]
2. **Technical Models using Classical Time Series Decomposition Models** [identifying seasonality, cycles, trends and irregular components]
3. **Technical Models using Traditional Time Series Models** [Moving Averages and Exponential Smoothing]
4. **Advanced Technical Models** like ARIMA, X-13 ARIMA etc.

On the other hand, the detailed discussion has been done with different stakeholders like; Traders, processors, exporters before the forecast finalization. The latest historical data were collected and examined with its accuracy and gaps. The prepared forecasts were also compared with its errors, past deviations from actual prices and consistency. The forecasts were also compared with the

future prices of the selected commodities whichever available on the trading platform. Also the various forecast reports published by the different organizations like USDA were taken in a consideration before the forecast finalization.

The detailed technical note is being prepared for the methodology adopted for each commodity.

c. Stages involved in preparing price forecast



Activities carried out during June to December 2022

a. Price forecast prepared and Published for the month of October – December 2022 (Released in July, Aug, Sep and October 2022)

Sr. No.	Crops	MSP for MY 2022-23 (INR/Qtl.)	Price Forecast (INR /Qtl.) Released in October 22
1	Soybean	4300	5500 - 6000
2	Cotton	LS- 6380 MS- 6080	6000 - 8000
3	Tur	6600	6000-7000
4	Maize	1962	1600 - 2200
5	Gram	5230 (2021-22)	4500 – 5000
6	Onion	-	1600- 3000

b. Price forecast prepared and published for the month of January to March 2023 (Released in October and November 2022)

Sr. No.	Crops	MSP for MY 2022-23 (INR/Qtl.)	Price Forecast (INR/Qtl.)
1	Soybean	4300	5800 - 6500

2	Cotton	LS- 6380 MS- 6080	7500 - 9500
3	Tur	6600	6500-7500
4	Maize	1962	1800 - 2400
5	Gram	5230 (2021-22)	4500 – 5000

c. Preparation of Rainfall Index

The districtwise data on actual and normal rainfall along with yearly production of selected commodities were collected to calculate the rainfall index for selected commodities. The data were collected from the reports published by the Indian meteorological department (<https://mausam.imd.gov.in>). The fortnightly rainfall index was calculated and used as an important variable for the analysis.

d. Publications

The Monthly reports on the price forecast were prepared in a template format for dissemination purpose. Both English and Marathi reports were prepared and published on official website of SMART and Department of agriculture, GoM with disclaimer. Following is the format of prepared forecast report.

बाजार माहिती विश्लेषण व जाँचीम व्यवस्थापन कक्ष

मक्याच्या संभाव्य किंमती - ऑक्टोबर ते डिसेंबर - २०२२

मका हे आंतरराष्ट्रीय स्तरावरील मकाचे अन्वेषण योग्य आहे. अमेरिका, चीन, ब्राजील, अर्जेंटिना आणि भारत या देशात मोठ्या प्रमाणात उत्पादन घेतले जाते. या पट्टेवरील देशांमध्ये एकूण जागतिक उत्पादनाच्या ७६ टक्के उत्पादन होते. त्यामुळे या देशातील मकाची मागणी, पुरवठा व उपभोग या घटकामध्ये होणाऱ्या बदलाचा मकाच्या किंमतीवर परिणाम होत असतो. अमेरिकेच्या कृषी विभागाच्या (WASDE, जुलै, २०२२), अहवालांनुसार सन २०२२-२३ मध्ये, जगात १८८५.१ दशलक्ष मेट्रिक टन उत्पादन होण्याचा शक्यता आहे. जे मागील वर्षीच्या तुलनेत २.६३ टक्के कमी होण्याचा अंदाज आहे. मागील वर्षी जागतिक १२१८.८७ दशलक्ष मेट्रिक टन उत्पादन झाले होते. भारताने सन २०२२-२३ या हंगामात मकाचे उत्पादन ३२.५० दशलक्ष मेट्रिक टन होण्याची शक्यता वर्तवली आहे. मागील वर्षी (२०२१-२२) या काळावर्षीमध्ये ३३ दशलक्ष मेट्रिक टन उत्पादन झाले होते.

भारतातील मकाचे पेरणी क्षेत्र मागील वर्षीच्या तुलनेत ११.६६ % कमी झाले आहे (१५ जुलै २०२२ पर्यंतची माहिती) नसेच महाराष्ट्रातील सरासरी मका पीक क्षेत्राच्या ७२ टक्के क्षेत्रावर पेरणी झाली आहे (खारिफ पेरणी अहवाल ११ जुलै २०२२ पर्यंतची माहिती). १ जून ते १५ जुलै, २०२२ या काळावर्षीत भारतातील प्रमुख मका उत्पादक जिल्ह्यांमध्ये पाऊस सरासरीपेक्षा मुसारे २६ % जास्त होत.

मागील तीन महिन्यात (एप्रिल ते जून, २०२२) दरम्यान नांदगाव बाजारत मकाच्या किंमतीचा निम्न काल टिपून येतो. एप्रिल २०२२ मध्ये मकाची सरासरी किंमत रुपये २१८६ प्रति बिन्ड होती. त्यामध्ये घट होऊन मे महिन्यात रु. २०८६ प्रति बिन्ड झाली. तर जून महिन्यात पुन्हा सरासरी रुपये २१८६ प्रति बिन्ड झाली. खारिफ हंगाम २०२२-२३ साठी मका पिकाची आध्यात्म किंमत (MSF) रु. १९६२ प्रति बिन्ड, टुन्की आहे. मागील दोन वर्षांतील नांदगाव बाजारत मकाच्या ऑक्टोबर ते डिसेंबर महिन्यातील सरासरी किंमती पुढील प्रमाणे

वर्ष	ऑक्टोबर ते डिसेंबर किंमती (रु./बिन्ड.)
२०२०-२१	१९५३
२०२१-२२	१९७६

टि. १८ जुलै २०२२ रोजीच्या गुलाबबाग बाजारतील मकाच्या वटपुस किंमती खालील प्रमाणे -

माहिती	किंमती (रु./बिन्ड.)
१६ ऑक्टोबर- २०२२	२३२०
१६ नोव्हेंबर- २०२२	२३२१
२० ऑक्टोबर- २०२२	२३३१
१६ नोव्हेंबर- २०२२	२३२०

बाजार माहिती विश्लेषण व जाँचीम व्यवस्थापन कक्ष

मागील काही वर्षांतील मकाच्या किंमतीचे अर्थमिती विश्लेषण व बाजारतील सद्यस्थिती, माहे ऑक्टोबर ते डिसेंबर या काळावर्षीत नांदगाव बाजारतील मकाच्या संभाव्य सरासरी किंमती रु.१६०० ते रु. २२०० प्रति बिन्ड या दरम्यान राहण्याची शक्यता आहे. सदर अहवाल प्रत्येक महिन्याला प्रकाशित केला जाईल. पुढील अंदाज ऑगस्ट २०२२ मध्ये प्रकाशित केला जाईल.

टीप (Disclaimer) : सदर अहवाल हा बाजाराची सद्यस्थिती व भविष्यकालीन किंमती विश्लेषण अंदाजाने तयार केलेले आहे. आंतरराष्ट्रीय किंमती, हवामान, आर्थिक घटक, आणि सरकारी धोरण या घटकामध्ये होणाऱ्या बदलांमुळे संभाव्य किंमतीमध्ये बदल होऊ शकतो. परिणामी वास्तविक किंमती या संभाव्य किंमती पेक्षा वेगळ्या असू शकतात. त्यामुळे वाचकांनी या अहवालाचा काळजीपूर्वक वापर करावा.

अधिक माहितीसाठी
अतिरिक्त प्रकरणी संचालक
बाजार माहिती विश्लेषण व जाँचीम व्यवस्थापन कक्ष,
मा. बाळासाहेब ठाकरे कृषी व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकरण
एम.एस.एफ.सी. बिल्डींग, २४० भायभूत, नारायण एस.सी. मार्ग,
सिंबायॉसिस कॉलेज, गोखले नगर, पुणे ४११०१६
फोन: ०२०-२५६५६५०६, वेबसाईट: <https://www.smart-mh.org/>

Dissemination of Price forecast reports

The prepared price forecast reports were disseminated through various resources like; M-Kisan SMS portal, Kishi panan mitra, Shetkari Masik, WhatsApp group & orientation programme. The detailed report is as follows:

- Shetkari masik:**

“Shetkari Masik” is one of the most popular monthly magazine in the Agriculture sector, under publication since 1965. It is published by Department of Agriculture, Govt. of Maharashtra. The main purpose of the magazine is to provide information about agriculture and modern technology to readers (mainly farmers). The magazine carries articles on various aspects of agriculture and covers topics such as new crop technologies, pest and disease management, organic farming, farming methods resulting in higher yields, irrigation methods, crop insurance etc. Apart from agriculture, animal husbandry, poultry, fishery, forestry, agro industry and biotechnology are also covered. The articles are written by agriculture officers from the department as well as experts and scientist from the agriculture universities and research centers. The prepared price forecast report published in Shetkari masik on September 2022 is as follows:

भा. बाळासाहेब ठाकरे कृषी व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प
शेतमालाच्या संधाव्य किंमतीचा अहवाल
 (ऑक्टोबर ते डिसेंबर २०२२) प्रकल्प अंमलबजावणी कक्ष-कृषी
बाजार माहिती विश्लेषण व जोखीम व्यवस्थापन कक्ष, पुणे

सोयाबीनच्या संधाव्य किंमती: अमेरिकन सूची विभागाच्या (WASDE, जुलै - २०२२) अहवालांनुसार सन २०२२-२३ मध्ये, जगत ३९१.४० दशलक्ष टन सोयाबीनचे उत्पादन होण्याची शक्यता वर्तविली आहे. जे मागील वर्षीच्या तुलनेत १०.९९% (३१२.७४ दशलक्ष टन, २०२१-२२) अधिक आहे. भारतात सन २०२२-२३ मध्ये ११.५० दशलक्ष टन उत्पादन होण्याची शक्यता वर्तविली आहे. जे मागील वर्षीच्या तुलनेत कमी आहे. मागील वर्षी (२०२१-२२) मध्ये ११.९० दशलक्ष टन उत्पादनाचा अंदाज आहे. भारतात खरीप हंगाम २०२२-२३ मध्ये, १५ जुलै २०२२ पर्यंत ९६.३५ लाख हेक्टरवरील सोयाबीनी पेरणी झाली आहे. मागील वर्षी (२०२१-२२) वर्षी १२२ लाख हेक्टर क्षेत्र सोयाबीन पिकासाठी होते. महात्मा जवाहरलाल नेहरू कृषि विद्यापीठाच्या अंदाजात ३८.१४ लाख हेक्टरवरील सोयाबीनी पेरणी झाली आहे. १ जुलै ते १५ जुलै २०२२ या कालावधीत सोयाबीन पीक उत्पादन क्षेत्रामध्ये सरासरी लक्षा ५०% पाऊस अधिक झाला आहे.

मागील तीन महिन्यांच्या कालावधीत (एप्रिल ते जून २०२२) या दरम्यान लातूर बाजारातील सोयाबीनच्या किंमतीत घट केल्या जाऊन येते. किंमतीमध्ये १०% घट झाल्याचे दिसून येते. एप्रिल २०२२ मध्ये सोयाबीनच्या सरासरी किंमती रु. ७२.२९ प्रति क्विंटल होत्या. त्या कमी होऊन रु. ६५.५६ प्रति क्विंटलवर पोहोचल्या होत्या. सन २०२२-२३ या खरीप हंगामातील सोयाबीनी किमान आयातपूर्व किंमत (MSP) रु. ४३०० प्रति क्विंटल आहे. मागील दोन वर्षांतील लातूर बाजारातील सोयाबीनच्या ऑक्टोबर ते डिसेंबर या कालावधीतील सरासरी किंमती पुढीलप्रमाणे:

वर्ष	ऑक्टोबर ते डिसेंबर सरासरी किंमती (रु./प्रति क्विंटल)
२०२०	३९६४
२०२१	५९८०

मागील व्हॉल्यूम किंमतीचे अधिगती विश्लेषण व बाजारातील सध्याच्या किंमतीचा अहवाल, माहे ऑक्टोबर ते डिसेंबर २०२२ या कालावधीतील लातूर बाजार सोयाबीनच्या संधाव्य किंमती रु. ५५०० ते रु. ६००० प्रति क्विंटल राहण्याची शक्यता आहे.

कापूस: वर्ष २०२२-२३ दरम्यान भारतात अंदाजे कापूस उत्पादन मागील वर्षीच्या तुलनेत ५ टक्क्यांनी वाढण्याचा अंदाज आहे तसेच जागतिक स्तरावर अंदाजे उत्पादन ०.७२ टक्क्यांनी वाढणार असल्याचे दिसून येते. राष्ट्रीय आयात आणू निर्यातीच्या बाबतीत, वर्ष २०२२-२३ दरम्यान मागील वर्षीच्या तुलनेत आयातीत ५५ टक्के वाढ आणि निर्यातीत २३ टक्के घट होण्याचा अंदाज आहे. हाच कल जागतिक स्तरावर मागील वर्षीच्या तुलनेत आयातीत ३.८४ टक्क्यांनी वाढल्यास दिसून येते. जागतिक स्तरावर कमी प्रमाणात कापूस उत्पादन होण्याची शक्यता वर्तविली आहे. मागील वर्षी (२०२१-२२) मध्ये देशातील उत्पादन २.६३ टक्के अधिक असून (जागतिक: USDA) सन २०२२-२३ हंगामासाठी कापूस किंमत आयातपूर्व किंमत लक्षा घ्यायच्या कापसासाठी रु. ६३०० प्रति क्विंटल व मध्यम घाण्याच्या कापसासाठी रु. ६००० प्रति क्विंटल इतकी आहे. राजकोटच्या बाजारपेठेत कापसाच्या किंमतीत गेल्या वर्षापासून सारथ्याने वाढ होत आहे. कापसाच्या बाबते बाजारातील किंमतीमध्ये घट झाल्याचे दिसून येते आहे. MCX वरील १९ जुलै २०२२ रोजीच्या कापूस किंमती पुढीलप्रमाणे:

किंमती महिना	किंमत (Per Bale of 170 kgs.)
ऑक्टोबर २०२२	३३,९३०
नोव्हेंबर २०२२	३२,२००
डिसेंबर २०२२	३२,१७०

मागील ११ वर्षांच्या किंमतीच्या गुणात्मक व परिमाणवाचक विश्लेषणानुसार तसेच बाजारातील सध्याच्या किंमतीवर, ऑक्टोबर ते डिसेंबर २०२२ महिन्यात राजकोट बाजारातील कापसाच्या संधाव्य सरासरी किंमती रु. ६००० ते ८००० प्रति क्विंटल या दरम्यान राहतील, असे अपेक्षित आहे.

रू - पुरीच्या बाजारपेठेवर मागील वर्षीतील तूर श्या, अजय तसेच चांदू वर्गीतील उत्पादन याचा परिणाम होताना दिसतो. केंद्र शासनाने एरु निर्यातीसाठी खुली केलेली अल्प तुरीचा अभाव कोटा स्थाविर उदरेता आहे. आर्थिक वर्ष २०२१-२२ साठी ४ लक्ष टन इतकी मर्याद ठरविली होती. तिथेही व्यापार महसंचालनालय (DGFT) ने प्रकाशित केलेल्या अहवालानुसार तुरीसाठीचे 'मुक्त आयात घोरण' दि. ३१ मार्च २०२३ पर्यंत लागू राहण्याची शक्यता आहे.

वर्ष २०२२-२३ साठी तुरीची किंमत आयातपूर्व किंमत रु. ६,६००/- प्रति क्विंटल इतकी आहे. मागील दोन वर्षांतील लक्षणीय उत्पादन विचारत घेता तुरीच्या किंमती किमान आयातपूर्व किंमती पेक्षा कमी झालेल्या आहेत. सध्या परिस्थितीत हेरकरे, बाजार समिती कमंतारे, शेवळणी उत्पादन कंपन्यांचे पदाधिकारी यांच्याशी केलेल्या चर्चेनुसार तुरीच्या किंमती किमान आयातपूर्व किंमती पेक्षा कमी राहण्याची शक्यता आहे. अकोला बाजारपेठेतील तुरीच्या ऑक्टोबर ते डिसेंबर दरम्यानच्या किंमती पुढीलप्रमाणे:

वर्ष	ऑक्टोबर ते डिसेंबर किंमत (रु. प्रति क्विंटल)
२०२०	५,९३६
२०२१	५,७५८

सध्याच्या बाजाराचा कल विचारत घेता, अकोला बाजारपेठेतील तुरी किंमत ऑक्टोबर ते डिसेंबर २०२२ या कालावधीत रु. ५,५०० ते ६,५००/- प्रति क्विंटल इतकी राहण्याची शक्यता आहे.

हर्भरा - भारतातील एकूण डाळ उत्पादनापैकी ४० ते ५०% हिस्सा हर्भराचा आहे. सन २०२०-२१ मध्ये भारतातील एकूण हर्भराचे क्षेत्र आणि उत्पादन अनुक्रमे ९९.९६ लाख हेक्टर आणि १९९.१५ लाख टन इतके होते. सन २०२१-२२ मध्ये हर्भराचे अंदाजे उत्पादन सुमारे १३९.६ लाख टन असण्याची शक्यता आहे. सन २०२०-२१ या कालावधीत भारताच्या एकूण डाळीच्या निर्यातीत सुमारे ६० टक्के वाढा हर्भराचा आहे. सन २०२२ मध्ये तीन महिन्यांच्या कालावधीत (मार्च ते मे) लातूर बाजारपेठेतील हर्भराच्या किंमतीत घसरता कल दिसून येतो. मार्च २०२२ मध्ये हर्भराच्या किंमती सरासरी रु. ४६६१ प्रति क्विंटल होत्या. त्या कमी होऊन रु. ४४०४ प्रति क्विंटल पर्यंत आली आल्या आहेत. सन २०२१-२२ या हंगामासाठी हर्भराची किंमत आयातपूर्व किंमत (MSP) रु. ५२३० प्रति क्विंटल आहे. मागील दोन वर्षांतील लातूर बाजारपेठेतील हर्भराच्या ऑक्टोबर ते डिसेंबर या कालावधीतील सरासरी किंमती पुढीलप्रमाणे:

वर्ष	ऑक्टोबर ते डिसेंबर सरासरी किंमती (रु./प्रति क्विंटल)
२०२०	४७११
२०२१	४५६९

मागील ११ वर्षांच्या किंमतीच्या गुणात्मक व परिमाणवाचक विश्लेषणानुसार तसेच बाजारातील सध्याच्या किंमतीवर, ऑक्टोबर ते डिसेंबर २०२२ महिन्यात लातूर बाजारपेठेतील हर्भराच्या संधाव्य सरासरी किंमती रु. ४५०० ते ५००० प्रति क्विंटल या दरम्यान राहतील, असे अपेक्षित आहे.

मका - अमेरिकेच्या सूची विभागाच्या (WASDE, जुलै, २०२२), अहवालांनुसार सन २०२२-२३ मध्ये, जगत १८८.५१ दशलक्ष मेट्रिक टन उत्पादन होण्याच्या शक्यता वर्तविली आहे. जे मागील वर्षीच्या तुलनेत २.६३ टक्के कमी होण्याचा अंदाज आहे. मागील वर्षी (२०२१-२२) मध्ये देशातील उत्पादन १.९९ दशलक्ष मेट्रिक टन उत्पादन झाले होते. भारतात सन २०२२-२३, या हंगामात मकाचे उत्पादन ३.२५ दशलक्ष मेट्रिक टन होण्याची शक्यता वर्तविली आहे. मागील वर्षी (२०२१-२२) या कालावधीमध्ये ३३ दशलक्ष मेट्रिक टन उत्पादन झाले होते. भारतातील मकाचे पेरणी क्षेत्र वर्षीच्या तुलनेत ११.९६ टक्के कमी झाले आहे (१५ जुलै २०२२ पर्यंतची माहिती). तसेच महात्मा जवाहरलाल नेहरू कृषि विद्यापीठाच्या अंदाजात ७२ टक्के क्षेत्रावर पेरणी झाली आहे (खरीप पेरणी अहवाल १५ जुलै २०२२ पर्यंतची माहिती). १ जुलै ते १५ जुलै, २०२२ या कालावधीत भारतातील प्रमुख मका उत्पादन केंद्रांमध्ये फक्त सरासरीपेक्षा सुमारे २६ टक्के पाऊस होता. मागील तीन महिन्यात (एप्रिल ते जून, २०२२) दरम्यान नांदेड बाजारात मकाच्या किंमतीत गिरावळ केल्या जाऊन दिसून येते. एप्रिल २०२२ मध्ये मकाची सरासरी किंमत लक्षा २१.६६ प्रति क्विंटल होती, त्यामध्ये घट होऊन मे महिन्यात रु. २०.६६ प्रति क्विंटल झाली, तर जून महिन्यात पुन्हा सरासरी लक्षा २१.६६ प्रति क्विंटल झाली. खरीप हंगाम २०२२-२३ साठी मका पिकाची आयातपूर्व किंमत (MSP) रु. १९६२ प्रति क्विंटल इतकी आहे. मागील दोन वर्षांतील नांदेड बाजारातील मकाच्या ऑक्टोबर ते डिसेंबर महिन्यातील सरासरी किंमती पुढीलप्रमाणे:

वर्ष	ऑक्टोबर ते डिसेंबर किंमती (रु./प्रति क्विंटल)
२०२०-२१	१२५३
२०२१-२२	१५२४

दि. १८ जुलै २०२२ रोजीच्या गुणात्मक बाजारातील मकाच्या पचपूर किंमती खालीलप्रमाणे -

महिना	किंमती (रु./प्रति क्विंटल)
१८ ऑगस्ट-२०२२	२३१०
१८ सप्टेंबर-२०२२	२३२९
१८ ऑक्टोबर-२०२२	२३३९
१८ नोव्हेंबर-२०२२	२३४०

मागील काही वर्षांतील मकाच्या किंमतीचे अधिगती विश्लेषण व बाजारातील सध्याच्या किंमती, माहे ऑक्टोबर ते डिसेंबर या कालावधीत नांदेड बाजारातील मकाच्या संधाव्य सरासरी किंमती रु. १६०० ते रु. २२०० प्रति क्विंटल या दरम्यान राहण्याची शक्यता आहे. याच अहवाल प्रकल्प महिन्याला प्रकाशित केला जाईल. पुढील अंदाज ऑगस्ट २०२२ मध्ये प्रकाशित केला जाईल.

टीप (Disclaimer): सध्या अहवाल हा बाजाराची सध्याची व भविष्यकालीन किंमती विश्वक अनुमान दर्शवतो. अंतरराष्ट्रीय किंमती, हंगाम, आर्थिक घटक आणि सरकारी धोरण या घटकांमध्ये होणाऱ्या बदलांमुळे संधाव्य किंमतीमध्ये बदल होऊ शकतो. परिणामी वास्तविक किंमती या संधाव्य किंमती पेक्षा वेगळ्या असू शकतात, त्यामुळे वाचकांनी या अहवालाचा काळजीपूर्वक अर्थ करावा.

अधिक माहितीसाठी: अतिरिक्त प्रकल्प संचालक, बाजार माहिती विश्लेषण व जोखीम व्यवस्थापन कक्ष, भा. बाळासाहेब ठाकरे कृषी व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्प, एम. एस. ए. सी. बिल्डिंग, २०० भा.भु.स. पराणप एम. सी. मार्ग, सिंध्यापारिस कॉलेज, गोवळी नगर, पुणे ४११०१६ फोन: ०२०-२५६६५९७९, वेबसाइट: <https://www.smart-mh.org/>

- **Krishi Panan Mitra**

Krushi Panan Mitra (कृषी पणन मित्र) is monthly Magazine of Maharashtra State Agricultural Marketing Board (MSAMB). The main purpose of the magazine is to provide information about agriculture and agricultural marketing to the readers. The price forecast report prepared by the MIC is submitted for publication and is in process.

- **m-Kisan SMS portal**

m-kisan is the SMS portal advisory established in 2013 with an outreach of about 327 crores of message sent to the farmers throughout the length and the breadth of the country.

m-Kisan SMS Portal for farmers enables all Central and State government organizations in agriculture and allied sectors to give information/services/advisories to farmers by SMS in their language, preference of agricultural practices and location.

The price forecast SMS prepared by the MIC is submitted to this portal o is in process of publication. The primary outreach of this SMS is near about **30 lakh farmers** in

स्मार्ट प्रकल्पातील बाजार माहिती विश्लेषण व जोखीम निवारण कक्षांतर्गत शेतमाल किमतींच्या अभ्यासानुसार ऑक्टोबर ते डिसेंबर २०२२ या कालावधीसाठी अंदाजित किमती (रु. प्रती क्विंटल) पुढील प्रमाणे राहण्याची शक्यता आहे: मका रु.१६०० ते २२०० ,सोयाबीन रु. ५५०० ते ६०००,कापूस रु.६००० ते ८०००,तूर रु.५५०० ते ६५००,हरभरा रु.४५०० ते ५०००.
संपर्क : mirmc.smart@gmail.com

Maharashtra state. The detailed draft of SMS is as follows:

- **WhatsApp group**

The WhatsApp group of registered CBOs has been created with an objective to disseminate the monthly price forecast report to the project beneficiaries. With this view, approx. 150 CBOs have added till now in this group. The detailed draft of message sent on the group is as

follows:



मा. बाळासाहेब ठाकरे कृषी व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्पातील “बाजार माहिती विश्लेषण व जोखीम निवारण कक्षांतर्गत” शेतमालाच्या किमतीचा अभ्यास करून पुढील हंगामातील ऑक्टोबर ते डिसेंबर २०२२ मधील पिकांच्या संभाव्य किमतीचा अंदाज वर्तविला आहेत. सदर पिकांच्या ऑक्टोबर ते डिसेंबर २०२२ या काळात पिकांच्या संभाव्य किमती पुढील प्रमाणे राहतील.

❁ मका: रु.१६०० ते २२०० प्रती क्विं.,

❁ सोयाबीन: रु. ५५०० ते ६००० प्रती क्विं.,

❁ कापूस: रु.६००० ते ८००० प्रती क्विं.,

❁ तूर: रु. ५५०० ते ६५०० प्रती क्विं.

❁ हरभरा: रु.४५०० ते ५००० प्रती क्विं. या दरम्यान राहण्याची शक्यता आहे.

market

CHATS

SMART Market intelligence 8/25/2022
Arvind Rite SMART added +91 95035 47171

CONTACTS

Desai Market Yard Store
At work

Sachin Mane Karad Market Yard Store
👍👍 Success comes in Can not in Can! 👍👍

Vijay Market Deokar Park
Hey there! I am using WhatsApp.

MESSAGES

SMART Market intelligence
Arvind, Arun, Ganesh, Abhay, PCMU, Sachin, SMART, SMART, SMART, +91 70203 70470, +91 70401 06099, +91 70837 54477, +91 74...

+91 91456 09151 left

🌿🌿🌿🌿🌿
मा. बाळासाहेब ठाकरे कृषी व्यवसाय व ग्रामीण परिवर्तन (स्मार्ट) प्रकल्पातील "बाजार माहिती विश्लेषण व जांसीय निवारण कक्षनिर्गत" शेतमालाच्या किमतीचा अभ्यास करून पुढील हंगामातील ऑक्टोबर ते डिसेंबर २०२२ मधील पिकांच्या संभाव्य किमतीचा अंदाज वर्तविला आहेत. सदर पिकांच्या ऑक्टोबर ते डिसेंबर २०२२ या काळात पिकांच्या संभाव्य किमती पुढील प्रमाणे राहतील.

🌿 मका: ₹. १,६०० ते २२०० प्रति कि.
🌿 सोयाबीन: ₹. ५,५०० ते ६,००० प्रति कि.,
🌿 कापूस: ₹. ६,००० ते ८,००० प्रति कि.,
🌿 तूर: ₹. ५,५०० ते ६,५०० प्रति कि.
🌿 हरभरा: ₹. ४,५०० ते ५,००० प्रति कि. या दरम्यान राहण्याची शक्यता आहे.

टीप : सदर अहवाल हा बाजाराची सद्यस्थिती व भविष्यकातील किमती विषयक अनुमान दर्शवितो. अंतरराष्ट्रीय किमती, हवामान, आर्थिक घटक, आणि सरकारी धोरण या घटकामध्ये होणाऱ्या बदलामुळे संभाव्य किमतीमध्ये बदल होऊ शकतो. परिणामी वास्तविक किमती या संभाव्य किमती पेक्षा वेगळ्या असू शकतात. स्वामुळे वाचकानी या अहवालाचा काळजीपूर्वक वापर करावा

अधिक माहितीसाठी व अभिप्राय कारिता संपर्क :
ईमेल : mimc.smart@gmail.com
सविस्तर अहवाल पाहण्यासाठी:
<https://www.smart-mh.org/media/project-document>

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Orientation programme:

The Presentation on activities carried out in MIC has been done to the project staff during SMART Orientation programme held on 20-22 June 2022 & 03-05 July 2022.



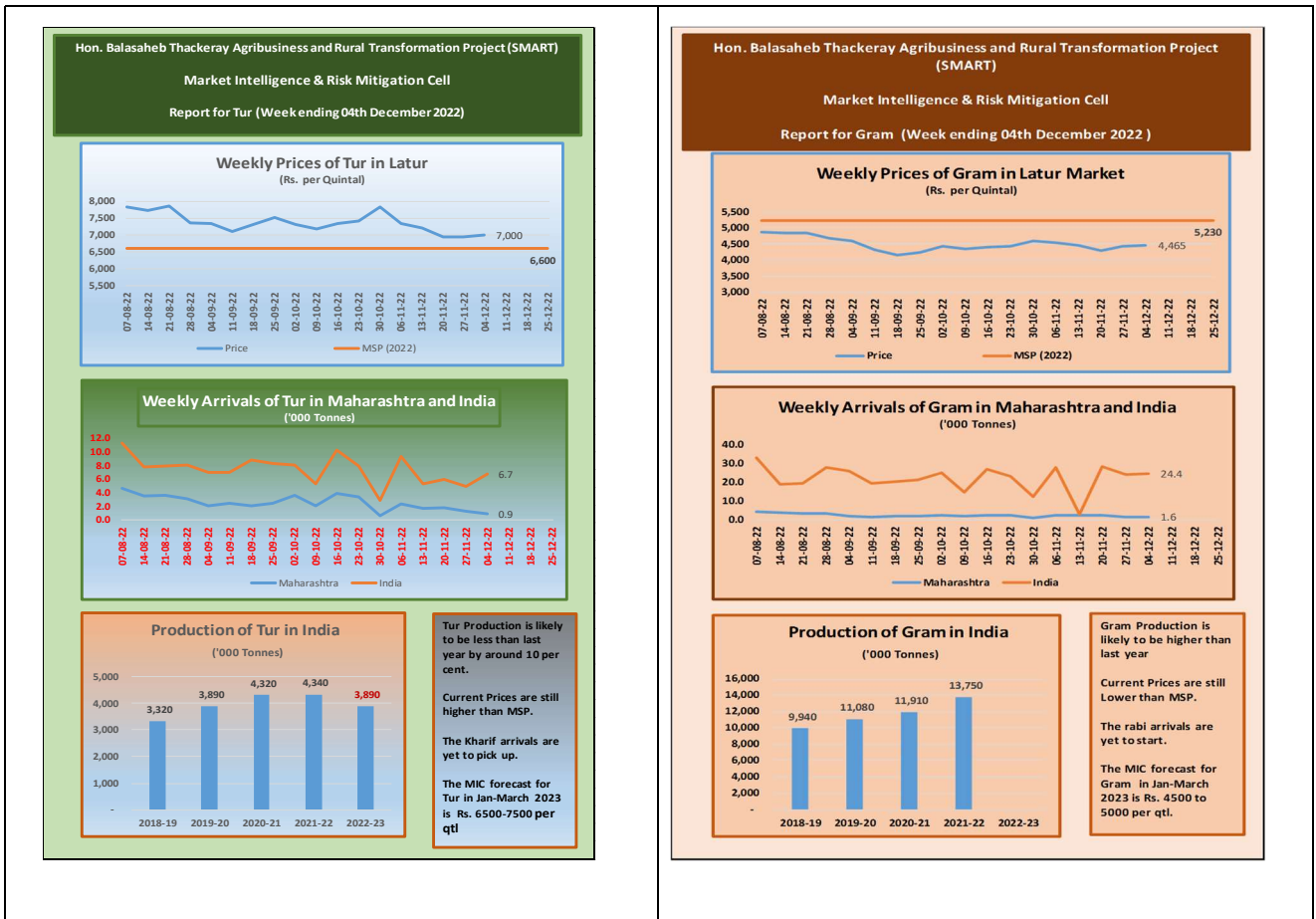
Orientation programme dated on 20-22 June 2022 & 03-05 July 2022

- **Participation & presentation of price forecast in Maize & soybean value chain development workshop**

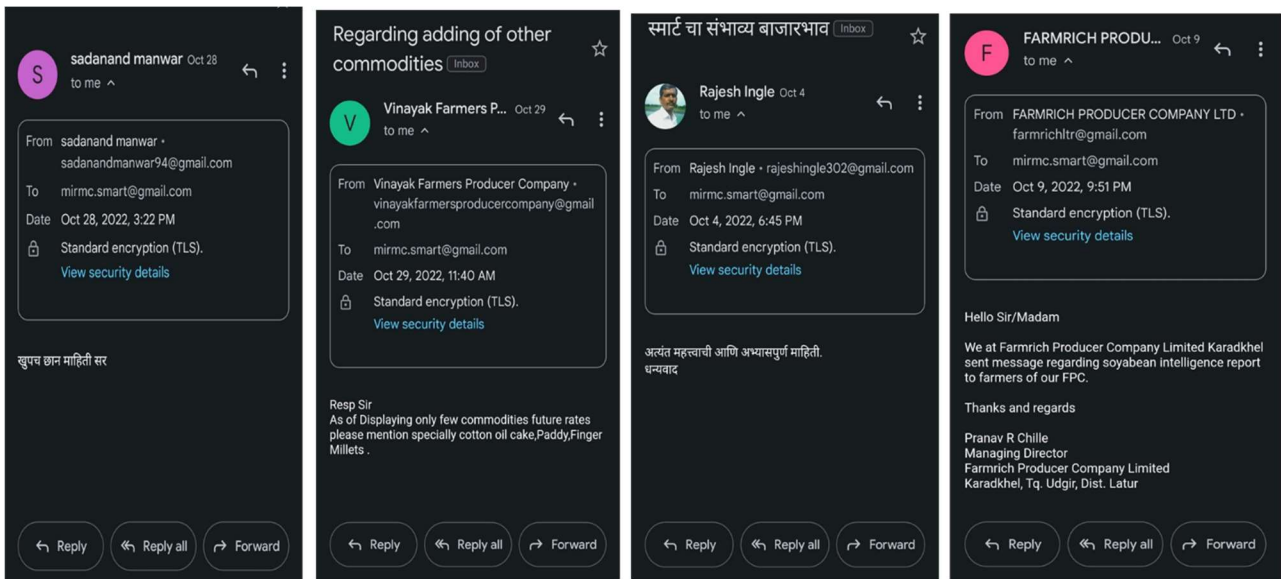
Under the component C, the maize and soybean value chain development workshop has been conducted by the MSWC at Aurangabad dated 28th July 2022 and Latur dated 25th August 2022 respectively. Around 70 Directors/Members of CBOs were presented at Aurangabad and 66 were presented at Latur. The Presentation on activities carried out in MIC and dissemination of price forecast has been done by the MIC staff.



Latur Workshop dated on 25th August 2022



g. Feedback received from project beneficiaries



Sub-Component C2: Strengthening of Warehousing and Warehouse Receipt Financing System

This sub-component C2 focuses on mitigating risk by strengthening warehousing system and making available warehouse receipt (WR) finance against or negotiable WR or NWR.

Sub-Component C 2.1 Warehousing and Warehouse Receipt Financing for PACS (PIU-MCDC)

About 20,744 Primary cooperative societies are located in the state out of them, 5500 Co-operatives warehouses were constructed in the State over many years.

- i)** Many of them are used **to store items** other than grains (whereas they can be used for grain storage with some pre-storage operations), such as fertilizers.
- ii)** Many others have been **shut down or under-used**.
- iii)** Even many of them **rented** but received less rent or negligible rent amount.
- iv)** Many warehouses are full of **schools or PACs own office**.

There are various stories behind the PACs warehouses. The reason that the warehouses are not used for storage of local farmers' crops is said to be lack of knowledge and trained manpower in proper scientific warehousing practices.

Key Objectives of the PACS Warehousing Plan:

- a)** Operationalize existing closed /under-used warehouses of PACS.
- b)** Make available more storage space at village level (near production centers).
- c)** Demonstrate the feasibility of operating small sized PACS warehouses
- d)** Benefit participating PCAC member farmers.

Overall plan of activities under Risk Mitigation Component

In order to generate income to PACs and its members following activities have been designed to start WHR through PAC's old warehouses. Therefore focused activities have been planned with existing warehouse renovation in minimal cost with cleaning and grading set up, CMA support and if necessary construction of new warehouse. Following targets need to be achieved during the specified period given below:

Phase	Period	Details	Activities	Remarks
I	Year 0-1	10 PACs	i) Renovation of Existing Warehouses ii) Pilot study	Pilot Study (small sized existing warehouses)
II	Year 2-5	158 PACs	Renovation of Existing Warehouses	Expansion
II	Year 2-5	33 PACs	Construction of New Warehouses	Creation of additional WH cap. (33000 MT in all)

I) Activity wise Progress –

Phase	Period	Year	Details	Activities	Status
I	Year 0-1	2020-21	10 PACs	i) Renovation of Existing Warehouses ii) Set up Cleaning & grading unit. iii) CMA support iv) Pilot study	i) Out of 10 Pilots 7 have been partly started. ii) Out of 10 PACs 3 PACs withdrawn from the Project iii) CMA appointed and WHR process partly started I 7 PACs.
II	Year 2-5	2021-22	158 PACs	Renovation of Existing Warehouses	i) ToR for pilot study has been designed ii) Call for Proposal process started. Advertisement published in Newspaper at state Level. iii) Total 70 PACs application has been received till date and only 25 are eligible to set up the sub-project. iv) Due to insufficient no. of proposals in specified period, one month extension has been given and simultaneously awareness campaign has been started.

II	Year 2-5	2022-23	33 PACs	Construction of New Warehouses	In Pilot Study 7 sub projects has sanctioned for New Warehouse. Out 7 only 3 wants to set up New warehouse and remaining 4 is on back foot due to financial problems.
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1.7 Completed activities –

PIU-MCDC has partly completed first year’s target of implementation of 10 Pilots and evaluate the feasibility of the sub-projects.

- ❖ Out of 7 PACs, 6 PACs have renovated their warehouse and they are in process of Cleaning and Grading Machine Installation. Procurement process for these activities has been started.
- ❖ Out of 7 PACs, 2 PACs installed cleaning and grading machinery.
- ❖ All 7 PACs have signed agreement with CMAs.
- ❖ All 7 PACs have applied for Warehouse license from District Deputy Registrar office.
- ❖ All 7 PACs have started promotions for WHR with CMA
- ❖ Out of 7 PACs 4 PACs have started WHR, initially quantity is very minimal.

Following Pictures are indicating the previous and current situation of PACs

1) Godawari Primary Coop. Society, Chandori, Niphad Nashik (Warehouse-500 MT)



Before

After



2) Ahmedpur Primary Agriculture Cooperative Society (200MT)



1.8 Ongoing activities

In order to promote WHR in all the PACs jurisdiction, joint awareness program have been arranged by PACs and CMAs. Directors of PACs have taken lead to promote WHR in their villages. Banners and Pamphlets along with newspaper Articles also used to promote the activity. For the successful implementation of Pilot sub-projects PACs directors personal meetings were taken and will be continued periodically to speed up the activities.

PACs Awareness program an Ahmedngar



After overall evaluation of the project activities and project period, PIU- MCDC have taken further steps to improve performance and achieve targets in stipulated period of time.

- ❖ PIU MCDC started process of “**Call for Proposal**” and simultaneously PACs awareness program.

- ❖ On 26th Oct 2022, Advertisement. for Call for proposal have been given for the period of 1 Month. Last date was 28th Nov 2022.Total 25 Applications have been received.
- ❖ Again first extension has been given to the advertisement for the period of 1 month. Last date is 30th Dec 2022. Till date 70 Applications have been received and 25 are eligible applications for the sub- projects.

Head-PIU MCDC presenting the project details and call for proposal process of SMART to all the DDR and Joint Registrar



- ❖ Rigorous promotional campaign have been planned and implemented accordingly.
- ❖ Till date Akola, Buldana, Amravati, Nagpur Division, Satara district have been covered and successful awareness programs have been taken.
- ❖ Information about Call for proposal of WHR scheme for the PACs has been shared to all the District Central Cooperative Banks and asked to identify potential PACs for the scheme.

Awareness Program -Akola



- ❖ In order to Promote the WHR scheme of SMART, PIU MCDC is taking 21 awareness programs with the help of MSWC in their Warehouses. In these programs ATMA is playing outreach activities in order to make workshop successful and MCDC is coordinating all the departments to participate and make awareness about the WHR run by the MSWC.



- ❖ MAVIM, MSRLM, Dept. of Cooperation and Marketing, Dept of Agriculture, Pani Foundation are the other stakeholders who are dedicatedly support the program. In this awareness program PIU-MCDC is also making awareness and promoting the SMART's WHR component. Beneficiaries from the above mentioned entire department are participating in these workshops.

1.9 Next Plan of action

In order to speed up the project, following activities have been planned.

- ❖ PIU-MCDC is trying to focus on successful implementation of pilot sub-projects and for that purpose; from Dec 2022 onwards awareness program have been planned at village level with all the directors of PACs.
- ❖ Till March 2022 Capacity of all the PACs warehouses will be fulfilled and new warehouse construction will be started in Nerpingalai, Yedeshwari, and Wadala Mahadev PACs.
- ❖ Final approval for the ToR of the pilot study will be taken before March 2023.
- ❖ Procurement process for the 3 Warehouses will be finished and construction will be started till MARCH 2023..
- ❖ Planning has been made for 90 PACs to be selected and at least 20 PACs proposal in SPAC will be sanctioned.

Financial Status (Rs. In Lakhs) –

Sub-project wise financial status

Sr. No.	Project	Project Cost (Rs. in Lakhs)	Total Grant (Rs. in Lakhs)	Bene. Contri. (Rs. in Lakhs)	Grant released till Nov 2022
1	Staragri Warehousing & Ahmedpur VKSS, Dist – Latur	38.07	22.84	15.23	11.42
2	Star Agri Warehousing And Kharola Primary Agriculture Credit Society, District – Latur	136.80	82.08	54.72	15.09
3	Star Agri Warehousing Private Limited & Godavari PACs, Nashik	108.87	65.32	43.55	18.07
4	Go Green Commerce & Shirampur Pragat Bagayatdar vkss, Ahmednagar	49.54	29.72	19.82	14.86
5	Go Green Commerce and Wadala Mahadev VKSS, Ahmednagar	126.78	76.07	50.71	6.38
6	StarAgri Warehousing & Collateral Management Ltd. And Nerpingalai Vividh Karyakari Sanstha	113.31	67.99	45.32	16.77
7	Go Green Commerce and Yedeshwari Audyogik Sahakari Sanstha, Osmanabad	122.26	73.36	45.32	19.66
	Total	695.63	417.38	274.67	102.25

Overall Project Financial Status :

Sr. No.	Activity	Total budget (As per PIP)		Expenditure (up to Nov 2022)		Total expenditure as on date	
		Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
1	Renovation of Existing Warehouses (Pilot10)	10	122.4	07	102.25	07	102.25
2	Renovation of Existing Warehouses (158)	158	1933.92	0	0	0	0
3	Construction of New Warehouse (33)	33	1485	0	0	0	0
4	Pilot study	1	10	0	0	0	0
5	CMS Expert Salary (1)	1	84	1	6.12	1	6.12
6	Govt. Staff salary (2)	1	84	1	12.46	1	12.46
7	Contractual Staff Salary (2)	1	84	1	2.40	1	2.40
8.	Admin & operating Cost	1	7	1	0.30	1	0.30
	TOTAL	-	3810.32	-	123.53		123.53

Remarks If any:

- ❖ Needs to make more efforts on training about Procurement process for newly selected PACs secretary, director and manager.
- ❖ DIU level support should be provided to the selected PACs.
- ❖ Limit for all the sub components of the PACs should be revised and at least 1 Cr. Limit to the sub-project should be approved.
- ❖ Cost of Warehouse Renovation and Cleaning grading support, CMA consultation fees, should be revised and these cost should be as per Govt. norms and should be approved for this particular component.
- ❖ As per the fund distribution mechanism of SMART, we have taken experience in Pilot sub-projects, major PACs couldn't match their financial contribution during the project implementation. In case of New warehouse construction, PACs couldn't deposit funds as per grant agreement signed. In this case different provisions should be proposed like two separate Grant Agreements should be prepared etc.
- ❖ There are issues of Loan sanctioning process from District Cooperative Banks, as some of the District Cooperative banks are under solvency. There should be some alternatives for access to finance for the PACs.

Above are some issues undertaken and solutions for the same have been identified. Overall mix response from the PAC have been received about the scheme, as some of them are consider this component as a Warehouse construction component. In Cooperative sector other than PACs various other cooperatives are very much interested to implement the scheme.

C 2.2 Warehousing and Warehouse Receipt Finance for CLF/CMRCs:

Introduction:

Warehousing and Warehouse Receipt Financing is an important part of the agri value chain. Storage in modern scientifically designed warehouses benefits the CLF, CMRCs and its women member farmers through reduced post-harvest losses and avoid distress sale at harvest time. Participation in warehousing and value addition activities by women farmers is even less common than men farmers. Though active at production stage, women farmers lack opportunity to participate in subsequent or higher levels of value chain. Ownership of land is one of the limiting factors that is a barrier for benefitting from women farmers currently in India.

Ongoing activities:



Navi disha CLF Vairag, Solapur



Godown construction in Progress



Navi Umed Farmer Producer Company, Wardha doing collective procurement of Tur, Gram & Soyabean



Hon. CEO Z.P. Wardha Visited Sub-Project Navi Umed Land Site.

C 2.3 Warehousing and Warehouse Receipt Finance PIU-MSWC:

Introduction:

MSWC is a major warehouse operator across the State, with over 17 lakh MT storage capacity. They own and operate modern, scientifically designed 900 or so warehouse facilities from 190 locations that include district headquarters, major urban centers and market places and in few major production areas. They are used regularly by a large number of traders, processors and Government agencies like FCI, NAFED & some large farmers.

CBOs and small farmers use their storage facilities on small scale as only limited storage space is available at or near villages and for reasons attributed earlier. To encourage farmers, MSWC offers 50 percent discount in monthly rental, however farmers' share is a mere 7 percent of the total available capacity. Under the SMART Project MSWC proposes to partner with CBOs, CBO or CBO – led Small Enterprises and set up Silos at two locations on pilot basis for facilitating supply by CBOs to large processors.

MSWC plans to make all their warehouses available, especially the 240+ warehouses located at 112 locations that were renovated with support under the recently concluded WB-assisted Maharashtra Agriculture Competitiveness Project (MACP).

Key Objectives: The objectives of MSWC partnership with CBOs are.

- a) To bring small farmers to use modern, scientific warehousing to minimize postharvest losses and avoid distress sale.
- b) Make available Negotiable Warehouse Receipts (NWRs) and linking them with Banks for finance against collateral.
- c) Link warehouses to e-marketing platforms within and outside the State to facilitate ease of access to markets.
- d) Impart training, education and capacity building over a three-year period, so that the staff of CBO can themselves operate warehouses, and become eligible to receive WDRA accreditation (which enables them to issue e-NWRs) by meeting required standards

Activity wise Progress –

1. Silo Project Feasibility Study

Completed activities – a] TOR approved by World Bank – 18/03/2021

b] Appointment of Individual Consultant – 07/06/2021

c] Final acceptance of consultant report – 13/07/2022

Ongoing activities – Feasibility Study Completed.

2. Construction of Centralized Silos Storage (2500 MT x 4 = 10000 MT)

Completed activities – a] Approval of PCMU to construct Silos at Latur - 28/11/2022

b] Land for construction of silo identified in Additional MIDC, Latur-
area 7 acre. MSWC is in process of taking possession.

c] Social screening of the location done by PCMU team on 16/09/2022



Land site Additional MIDC Latur

Ongoing activities – a] Tender document preparation is in progress.

Next Plan of action – a] Tender for procurement of Silo will be published after getting sanction of PCMU & World Bank.

b] Tentative month of tender publication Jan 2023.

c] Tender Cost - 13.87 Cr.

3. Decentralized warehousing for small enterprises

Completed activities – a] Call for proposal published on 04/04/2022

b] 17 proposals received. Technical evaluation completed and 4 proposals selected.

c] PCMU final approval for 4 proposals received on 19/09/2022

d] Warehouse site land location inspection completed on 20/10/2022

e] Special AGM of Kanchani FPC, Varora, Chandrapur conducted on 11/11/2022

Ongoing activities – a] Lease agreement of Kanchani executed on 01/12/2022.

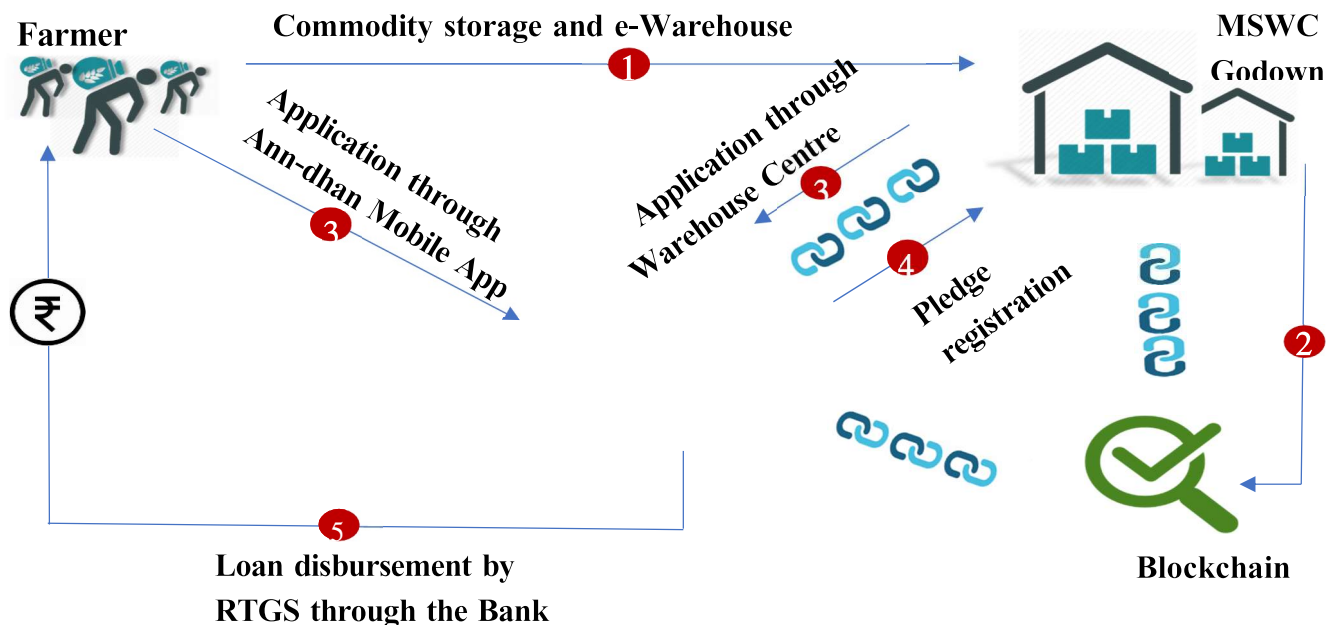
- b] Land site of other FPC yet not finalized due to technical reasons
 - i] Aanandraodada FPC Co. Kolhapur, ii] Padmalaya FPC Co. Nashik,
 - iii] Sonpaul FPC Co. Buldhana
- c] Warehouse site of Padmalaya FPC not suitable for warehouse construction. Hence, suggested to offer alternate site



- Next Plan of action –
- a] Sublease agreement & Commercial agreement between MSWC and Kanchani will be executed by 15th Dec, 2022.
 - b] After getting sanction of PCMU for agreements tender for Kanchani FPC will be floated Jan 2023.
 - c] Compliance follow up regarding site selection & agreement execution will be done with other 3 FPC's in the month of Dec 2022.
 - d] Tenders of these 03 FPC's will be floated in month of Feb 2023.

4. Samruddhi Mahamarg Hub Feasibility Study

- Completed activities –
- a] TOR approval by World Bank – 16/04/2022
 - b] RFP(QCBS) published by MSWC for appointment of Consultant – 15/06/2022
 - c] Responses received – 5 proposals
 - d] 1st stage Technical Evaluation completed on 17/09/2022
(1 proposal ineligible)
 - e] 2nd stage of evaluation & marking completed by Technical Committee on 17/10/2022. Finally 3 proposals qualified for financial bid.



Ongoing activities – a] Presently there is tremendous response from Farmers/ FPCs for Blockchain Pledge loan system.
 b] Till date 03/12/2022 – Pledge loan disbursement

Year	Farmer		Farmer Producer Company		Total	
	WHR	Loan in(Cr)	WHR	Loan in(Cr)	WHR	Loan in (Cr)
2020-21	166	3.70	-	-	166	03.70
2021-22	1589	33.86	41	02.20	1630	36.06
2022-23 (till 03/12/2022)	1427	29.19	19	0.87	1446	30.06
Total	3182	66.75	60	3.07	3242	69.82

Next Plan of action – a] MSWC is going to implement Blockchain Warehouse Receipt Finance to all locations (150 locations) and expect to disburse Rs.100 Cr. to 5000 farmers till March 2023.
 b] MSWC is in process of finalizing configuration of the Hardware with the help of DIT, GOM and likely to publish tender of procurement of hardware in the Month of Jan 2023.

7. Value Chain Development School for Warehousing

a] Synergy Workshop for stakeholders (Bankers, CMAs, CBOs, Tech. providers, Commodity Exchanges)

b] Certificate Course for Warehouseman

Completed activities – a] MSWC has been appointed as a Nodal Agency to impart Warehouse Management Training to FPOs/CBO/CLFs/CMRCs etc.

b] MSWC has also prepared Operational guidelines / booklet of

Warehouse management.

c] Till date MSWC has conducted 4 Certificate Courses for Warehouseman.

S.N	Period	Participants	Topics Covered
1	15 to 19 Feb 2021	MCDC identified PACs representatives 8 PACs	Methods & procedure of Scientific storage, issuance of WHR, pledge loan, accounting, scientific construction of warehouses, WDRA registration, importance of Agri Value chain, Case studies
2	23 to 27 Aug 2021	ATMA identified FPC & CBO representatives 8 – FPCs	
3	14 to 18 Nov 2022	PCMU identified FPCs of 4 districts- Thane, Kolhapur, Satara and Solapur 20 FPCs	
4	21 to 24 Nov 2022	PCMU identified FPCs of 4 districts- Latur, Sangli, Osmanabad, Gondia 23 FPCs	



Ongoing activities – a] PCMU has recommended 146 FPCs for training.

b] Accordingly, next training is scheduled at December 2022 last week.

Next Plan of action – a] MSWC intends to cover all FPCs/ CMRCs/CBOs/ PACs to whom SMART Project has sanctioned warehouse & will achieve the target of 300 Participants by June 2023 end.

c] **Exposure Visit cum training for BOD of CBOs**

Completed activities – a] Exposure visit is part of training conducted by MSWC.

- b] One day exposure visit is arranged to nearest warehouse of MSWC to understand actual functioning of warehouse including scientific storage procedure
- c] Till date 4 exposure visit were arranged.

S.N	Date of exposure visit	Place of exposure visit	No. of Participants	Topics Covered at exposure visit
1	17 Feb 2021	Gultekadi 'A' Centre, Pune	22	Actual functioning of WHR issuance, Receipt of Agri commodity, procedure of depositing and storing the agri commodity, fumigation, spraying, staking, pledge loan procedure of the WHR and final delivery of the commodity.
2	25 Aug 2021		17	
3	16 Nov 2022	Baramati Centre & KVK, Baramati	37	
4	23 Nov 2022		40	

Ongoing activities – One exposure visit will be arranged in month of Dec 2022.

Next Plan of action – a] Exposure visit apart from training can be arranged with the help of Other PIUs like ATMA/ MAVIM/MCDC at regional level.

b] MSWC will arrange such exposure visit in consultation with PCMU, SMART.



d] IEC and Dissemination activities for Farmers on Warehousing Receipts

Completed activities – a] To create awareness about warehousing and Warehouse Receipt Finance. MSWC has conducted 31 workshops in 1st phase.

b] In these workshops information regarding scientific storage, importance of warehousing, benefits of warehouse receipts and procedure of pledge loan finance on Blockchain and WDRA, NERL/CCRL portal has been disseminated.

c] 2886 farmers and FPOs participated in the workshops.

S.N	Region	Total Workshops
1	Amravati	5
2	Aurangabad	8
3	Latur	11
4	Nagpur	6
5	Pune	1
	Total	31



- 1.1 Ongoing activities – a] Currently MSWC has arranged 21 workshops at 21 different MSWC locations
- b] Particularly in these workshops beneficiaries of MCDC, ATMA, MAVIM and MSRLM have been invited. This activity making very good impact on the mind sets of participants.
- c] In these workshops officers of the market intelligence cell of SMART Project also participated and disseminated information.

Ongoing Workshops -

S.N	Region	Total Workshops
1	Kolhapur	3
2	Pune	3
3	Nashik	5
4	Amravati	4
5	Nagpur	3
6	Aurangabad	1
7	Latur	2
	Total	21

Next Plan of action – a] MSWC intends to cover all 200 locations for IEC activity focusing on importance of storage, scientific storing of agri commodity in warehouses and benefits of warehouse receipt finance.

J) Financial Status -

Sr. No.	Activity	Total budget (As per PIP)		Expenditure (up to Nov 2022)		Total expenditure as on date	
		Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
1	Silo Project Feasibility Study	1	10.00	1	6.90	1	6.90
2	Construction of Centralized Silos Storage	2	2000.00	0	0.00	0	0.00
3	Decentralized warehousing for small enterprises	4	1200.00	0	2.50	0	2.50
4	Samruddhi Mahamarg Hub Feasibility Study	1	20.00	0	0.00	0	0.00
5	WDRA Registration Fees for CBOs	300	40.00	0	0.00	0	0.00

Sr. No.	Activity	Total budget (As per PIP)		Expenditure (up to Nov 2022)		Total expenditure as on date	
		Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)	Phy (No)	Fin (Lakhs)
6	IT Support for MSWC	LS	500.00	1	91.45	1	91.45
Total		-	3770.00	2	100.85	2	100.85
7	Value Chain Development School for Warehousing						
7.1	Synergy Workshop for Stakeholders (Bankers, CMAs, CBOs, Tech. providers, Commodity Exchanges)	12	12.00	0	0.00	0	0.00
7.2	Certificate course for warehouseman	300	75.00	118	4.74	118	4.74
7.3	Exposure Visit cum Training for BoD of CBOs	1500	113.00	0	0.00	0	0.00
7.4	IEC and Dissemination activities for Farmers on Warehousing Receipts	1	14.00	2	0.42	2	0.42
8	Government Staff Salary (PIU)	1	-	1	2.74	1	2.74
9	Contractual Staff Salary (PIU)	4	60.00	2	7.36	2	7.36
10	Admin and operating cost (PIU)	7	7.00	2	0.04	2	0.04
Total		-		125	15.30	125	15.30
Grand Total		-	-	-	116.15	-	116.15

C3 Risk Mitigation Mechanism:

A. Risk Mitigation Cell (RMC)

As an important component towards building the risk mitigation mechanisms, RMC is responsible for preparation of crisis management plans (CMPs) for major commodities in the State. The CMPs will be ex-ante (price forecasts and advisories to farmers on when to store and when to sell) and ex-post (selling on futures platform, hedging for price risk management) and offering early warning advisories based on production and market demand forecasts. RMC will operate Hedging Desk and also provide training to the staff of Line Departments and other stakeholders on Risk Mitigating Measures. The principal objective of RMC is to provide market-based risk management tool/s to CBOs /farmers and the State authorities, from time to time. The followings are the major objectives planned for RMC:

1. Providing management tool to framers for mitigating price risks
2. Providing price intelligence to the DoA for managing food procurement and price support mechanism
3. Undertake pilot studies for participation of farmers and CBOs, particularly women CBOs, in futures markets and provide technical and handholding support to them.

a) Approved staff for RMC

Dr. A.P. Kulkarni has been appointed as Advisory Consultant for MIC

Sr. No.	Name	Designation	Educational Qualification
1	Dr. Deepak Waghmode	Risk Mitigation Advisor	Ph.D. (Economics)
2	Dr. Arvind Rite	Crop Analyst	Ph.D. (Economics)
3	Mrs. Supriya Jadhav	I.T. Assistant	B.E. (I.T.)

Financial Arrangement of the RMC

S. N	Proposed Intervention	Amount (Rs. In Lakhs)
A	Investment	
1	Pilot on Buyer Credit Risk Rating Mechanism	50
2	Electronic surveillance (IoT)	100
3	Quality Price Dispute Resolution Mechanism Pilot	50
4	Pilot on CBO & State Agency participation in Commodity Futures Market	400

5	Study of constraints and development of strategy for promoting exchange traded instruments for price risk mitigation by CBOS	50
6	Setting up of Risk mitigation Cell / Hedging Desk including Hardware & Software for HQ and field Staff	150
7	Training, Capacity Building, Exposure Visit of Staff and Stakeholders	60
8	Consultancy and Advisory service	130
A	Subtotal	990
B	Recurring Charges	1178
	Total (A+B)	2168

B. Work carried out during June-September 2022

The Risk Mitigation cell was established under SMART project started its functioning in June 2022 with principal objective is to provide market-based risk management tool/s to CBOs /farmers and the State authorities, from time to time

Preparation of Price forecast for Cotton and Maize

- Collection of historical data on price, arrivals, trade, rainfall and other important variables.
- Technical exercise on developing Univariate linear time series models i.e. : Exponential Smoothing, ARIMA, Seasonal Decomposition and we also tried Econometrics models.
- Data repository: Historical arrivals and price series, international prices, rainfall indices, Future commodity prices from NCDEX and MCX.

COTTON PRICE FORECAST FOR JAN TO MARCH 2023

Cotton is one of the most important commercial crops cultivated in India. Due to its economic importance in India, it is also termed as "White-Gold". It plays a major role in sustaining the livelihood of an estimated 6 million cotton farmers and 40-50 million people engaged in related activity such as cotton processing & trade.

Globally India is the major producing country of cotton followed by China and U.S.A. It accounts around 25% of the total global cotton production. As per the latest report published on 9th November, the US Department of Agriculture (USDA) has revised global cotton balance sheet includes lower production, consumption, trade and ending stocks. Production is down 1.6 million bales from last month. (Source: USDA)

Cotton prices in the Indian domestic market have increased by 5-10 per cent since the beginning of this month as arrivals have declined due to heavy rains in many parts of the country. After dropping to a 14-year low production last year, India's cotton crop is projected at 344 lakh bales for the season starting October 1, 2022, higher by 36.95 lakh bales on last year's crop size. In case of national Import & Export, 55% increase in import and 23% decrease in export has been estimated during the 2022-23 than the previous year. Same trend has been Occurred at global level with 3.84% increase in import and 1.81% decrease in export than the previous year. China is the major consumer of cotton with 33% of global cotton consumption followed by India. The estimated domestic consumption also seems to be in a lower side in 2022-23 with percent decrease of 2% at both national and global level.

In India, Minimum Support Price (MSP) for 2022-23 is Rs. 6380 per quintal for long staple cotton & Rs. 6080 per quintal for medium staple cotton.

The Prices of Cotton in Rajkot Market has experienced increasing trend since last two months and also the Future (closing) prices of Cotton shows an increasing trend. On the MCX platform Future (closing) prices of Cotton as on 17th November 2022 is as follows:

Delivery Month	Prices in Rs. (Per Bale of 170 kgs.)
November 2022	32770
December 2022	31970
January 2023	33500

During last two years, the average prices of cotton in Rajkot market for the month of Jan-Mar is as follows:

Marketing Year	Jan-Mar Prices (Prices in Rs. per qtl.)
2020	5029
2021	5706
2022	9546

Based on the qualitative & quantitative analysis and present market sentiments, the average price of cotton in the Rajkot market for the months of Jan to Mar 2023 is expected to be lies in the range of Rs. 7500 to 9500 per qtl.

MAIZE PRICE FORECAST FOR JAN TO MARCH 2023

Maize is one of the most important cereal crops cultivated globally. The United States of America (31%), China (23%), Brazil (11%), EU (6%), Argentina (5%), and India (2%) contributed around 78% in the total production of maize in the world (USDA, Feed Outlook: May 2022). Maize is consumed as feed, food, fodder and in pharmaceutical industry. The world production of maize 1217 MMT in 2021-22, likely to decline by 4 percent in 2022-23 (1168 MMT).

The India's maize production is projected 32 MMT for 2022-23, a decline of 4.76 percent from previous year. (33 MMT 2021-22), WASDE report, USDA, Nov-2022). The major states are Karnataka, Andhra Pradesh, Maharashtra, Madhya Pradesh and Uttar Pradesh. In Rabi, maize is grown in Bihar and coastal region of Andhra Pradesh. Production of Kharif/Maize in the country during 2022-23 is estimated at 23.10 million tonnes (GoI).

The prices of maize during the last three months in Nandgaon market has experienced declining trend. The average spot price of maize in the month of August was 2343 per qtl. and it has declined to Rs. 1740 per qtl. in the month of October 2022. The minimum support price (MSP) of Maize for 2022-23 is Rs. 1962 per qtl. During the last two years, the average prices of maize in Nandgaon market was as follows: -

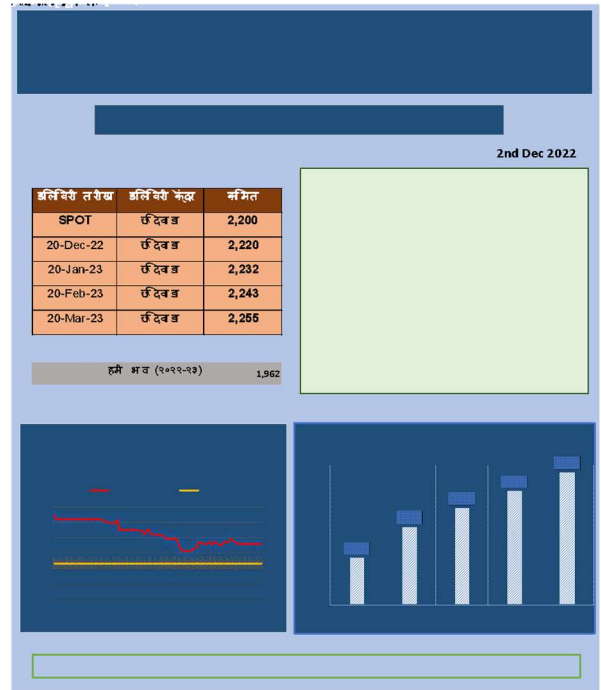
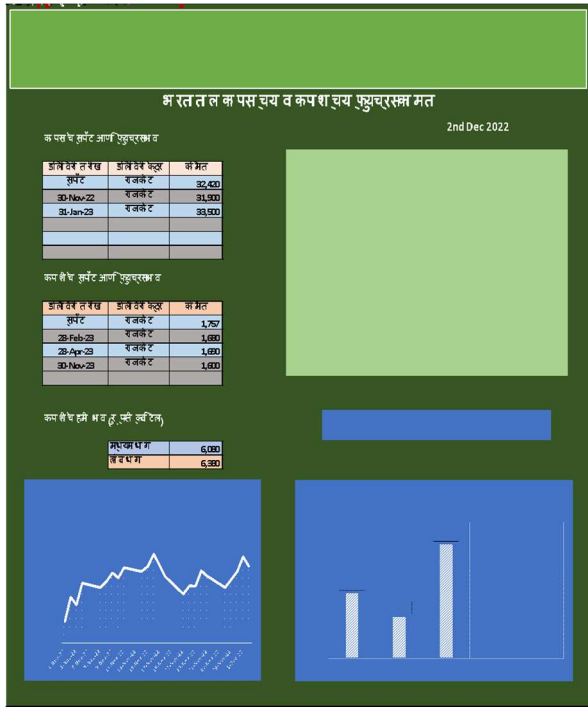
Marketing Year	January to March (Prices in Rs. Per qtl.)
2020-21	1273
2021-22	1919

The futures (closing) prices of maize in Chhindwara market as on 18th Nov 2022 in NCDEX is as follows

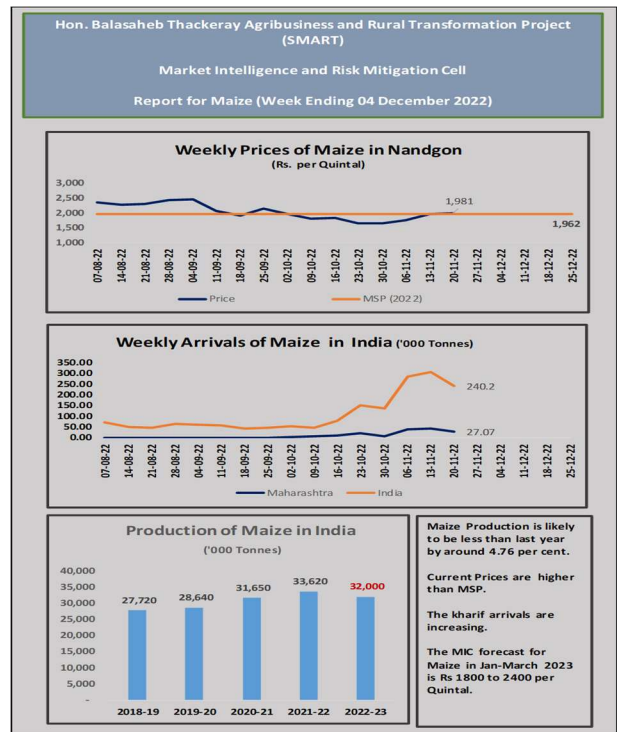
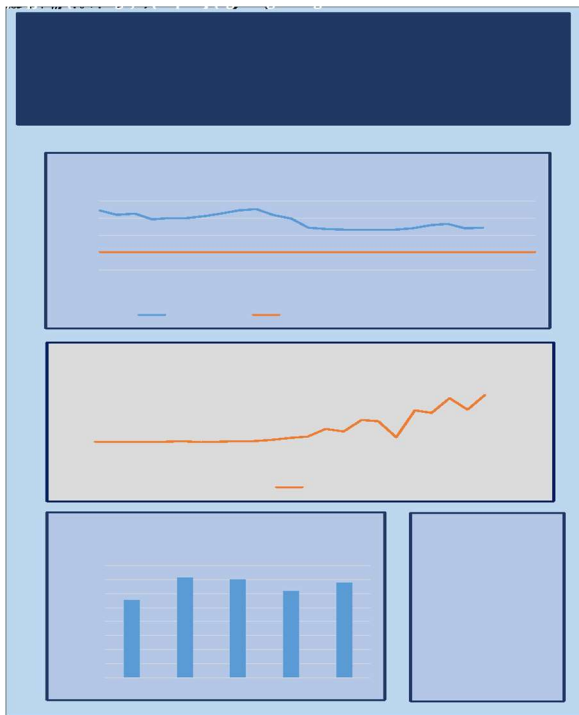
Delivery Month	Price (Rs. Per quintal)
20-Dec-22	2249
20-Jan-23	2249
20-Feb-23	2249
20-Mar-23	2249

Based on the econometric analysis of past data and present market sentiments, the average price of Maize in the market for the months of January to March -2023 is expected to be between Rs. 1800 to Rs. 2400 per qtl. This price forecast is for FAQ grade of maize.

Weekly Future Prices Monitoring: Cotton and Maize



Weekly Price Monitoring: Cotton and Maize

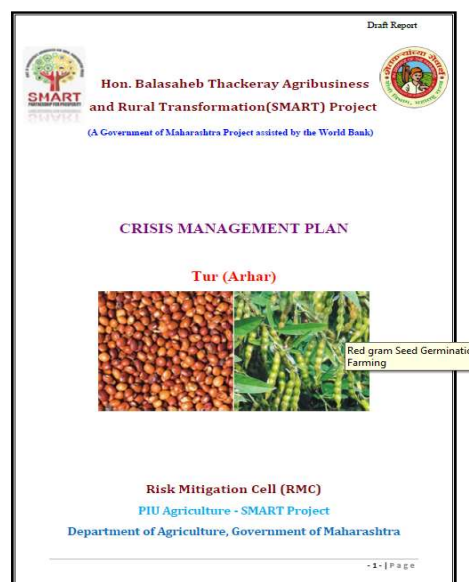


Preparation of Rainfall Indices

The district-wise data on actual and normal rainfall along with yearly production of selected commodities were collected to calculate the rainfall index for selected commodities. The data were collected from the reports published by the Indian meteorological department (<https://mausam.imd.gov.in>). The fortnightly rainfall index was calculated and used as an important variable for the analysis.

Preparation of Crisis Management Plan (CMP) of Tur

The main purpose of preparing this report is to understand the tur production and marketing situation in Maharashtra state and to suggest possible risk mitigation strategies to the policy makers. In the kharif season 2022-23 Tur prices likely to remain below MSP. The government needs to protect farmers from a rapid fall in prices in years of bumper production, just as it proactively manages the risk of a rapid rise in prices to protect consumers in years of low production.



Report: Deloitte Touche Tohmatsu India LLP (Deloitte) and NCDEX Institute of Commodity Markets and Research (NICR) conducted a study of price risk management plans using Exchange traded instruments by farmers/CBOs and state agencies.



Government agencies may use derivatives market in various ways to hedge stocks, support prices, and stabilise prices.

Use of derivatives market by stakeholders in various ways, i.e. hedging, option trading etc.

Suggest to implement the pilot programme for cotton and maize

Commodity Profile: Maize

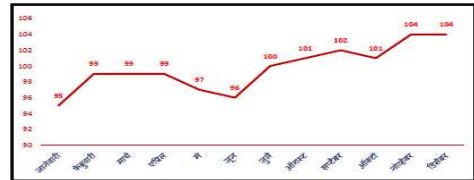
मसुदा नोट - एनसीडीईएक्स (NCDEX) प्लॉटफॉर्मवर मका ट्रेडिंग परिचय :
 मका हे भारतातील चौथे प्रमुख पीक आहे. भारताला सुमारे 28 बिल्लन टन मकाचे उत्पादन होते तर जागतिक एकूण उत्पादन 1100 बिल्लन टन इतके आहे. झिम्बावेड व्हॅनेटल ऑफ अमेरिका (USA) हा मकाचा सर्वात मोठा उत्पादक देश आहे. जगातील एकूण उत्पादनाच्या जवळपास 36% इतका वाटा USA वा आहे. आंध्र प्रदेश, तेलंगणा, कर्नाटक, बिहार, महाराष्ट्र, मध्य प्रदेश, छत्तीसगड, राजस्थान, तामिळनाडू आणि उत्तर प्रदेश ही भारतातील प्रमुख मका उत्पादक राज्ये आहेत. कर्नाटक, आंध्र प्रदेश, पंजाब, गुजरात, हरियाणा, तेलंगणा, तामिळनाडू, बिहार आणि पश्चिम बंगाल ही प्रमुख उपभोगाधार करणारी राज्ये आहेत.

- मकाचे उपयोग**
- मकाचा खाद्यदाल, औद्योगिकरिच्या खाद्यनद्याधर प्रक्रिया, पर्युशन व पोल्ट्री खाद्यदालासाठी प्रामुख्याने वापर केला जातो.
 - पॉस्टिक्नुइया, मक्यामध्ये 60 ते 68% स्टार्च आणि 7 ते 15% प्रथिने असतात.
 - खाद्यदाल म्हणून स्वीट कॉर्न, पॉपकॉर्न इत्यादीसाठी मकाचा वापर केला जातो.
 - इथेनॉलच्या उत्पादनासाठी पेट्रोलियम अतारित इंधनाचा पर्याय म्हणून मकाचा वापर प्रायोगिकपणे इथेनॉल उत्पादने घेऊन केला आहे.
 - मका हा औद्योगिक उत्पादनाचा मुलभूत कच्चा माल म्हणून देखील उपयोग केला जातो ज्यामध्ये स्टार्च, तेल, प्रथिने, अल्कोहॉल्युम सेटे, औषधी, कॉस्मेटिक, मानक, ड्रिंक, पॅकेज आणि कापड उत्पादने इ.

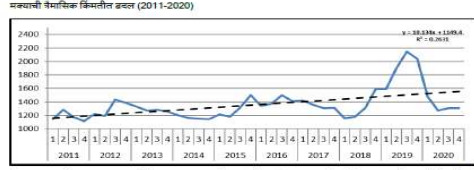
- मकाच्या किमतीवर परिणाम करणारे घटक -**
- मका उत्पादन क्षेत्रातील हवामानाची स्थिती विशेषतः पेरणीच्या वेळी.
 - प्रक्रिया उद्योगातून मकाचा मागणी.
 - सरकारी सोपणे जसे की किमान आकारभूत किंमत (MSP) आणि आयात शुल्क.
 - बाजरी आणि सोयाबील सारख्या इतर स्पर्धात्मक पिकाची मागणी. पुरवठा आणि किमतीची परिस्थिती.
 - आंतरराष्ट्रीय एकलक्षेजमध्ये मकाच्या किमतीची अवक.
 - मकाचे आंतरराष्ट्रीय उत्पादन

मकाचा हंगाम
 भारताला मका हे पीक खरीप (80%) आणि रब्दी (20%) दोन्ही हंगामात घेतले जाते.

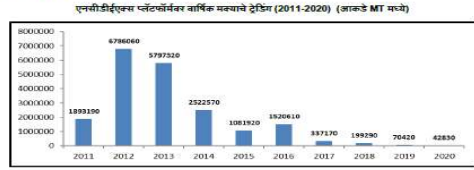
हंगाम	बाजरी	सोयाबी	मका	पिक	र	पू	पू	डो	डो	डो	डो	डो	डो	डो	डो
मका: खरीप				खरीप	खरीप	खरीप									
मका: रब्दी							रब्दी	रब्दी	रब्दी	रब्दी	रब्दी	रब्दी	रब्दी	रब्दी	रब्दी



वरील असेलखणुसार, पहिल्या दोन तिमाहीत (जानेवारी ते जून) मकाच्या किमती सरासरी किमतीपेक्षा 5 कमी आहेत आणि पुढील दोन तिमाहीत (जून ते डिसेंबर) सरासरी किमतीपेक्षा 4 टक्के जास्त आहेत.



वरील वार्षिक मकाच्या वार्षिक किमतीत बदल जाणवत आहे. 2019 मध्ये कोविड-19 बाधित परिस्थितीमुळे किमतीत अचानक वाढ झाल्याचे दिसून येते.



SMART Decision - Making Tool for Futures and Options Trading

The tool developed for advising farmers and their Associations in price risk mitigation through futures and options trading. The commodities selected are Maize and Cotton. These are the only commodities of interest (for Maharashtra) traded in the Indian Exchanges. Out of these two, Maize is traded both for futures and options; while Cotton is traded only for futures. Maize is traded only in NCDEX. Cotton is traded in larger quantities in MCX.

SMART Decision - Making Tool

Exchange: NCDEX	
Data to Input	
Date of Decision Making	26-Jul-22
Date of Intended Delivery	18-Nov-22
Prices of Maize (Rs. Per Quintal)	
Spot and Futures	Source of Data Rs.
Spot	NCDEX 2300
Futures on the date of intended Delivery	NCDEX 2335
Options	Source of Data Strike Rate Option Selected
Preferred Put Option	NCDEX 289.00 2,500
Forecast Price (Rs. Per Quintal)	
Forecast	Source of Data Rs.
Trend in Current Prices	MIC 1900
Trend in spot and futures prices during last 2 months	
Source	MIC Increasing

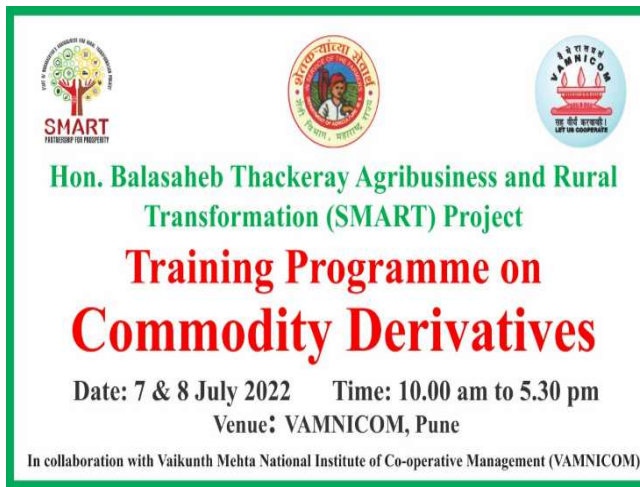
Transaction Cost for Futures (Calculated with the above data and assumptions)

	Rs.
Value in the Futures Transaction	2,33,500
Commission	11,879
Margin (Initial Minimum Investment)	23,350
Number of Days	115
Interest on Margin	736
Storage Cost	12,411
Total Transaction Cost	124
Transaction Cost per Quintal	
Net Futures Price Realized (Rs. Per Quintal)	Gulabgha 2,211
Net Futures Price Realized (Rs. Per Quintal)	Jalana 2,211

Recommendations

Recommendations for Hedging in Futures:
 Realized futures price is more than MSP, Hedging in Futures is recommended
 Realized futures price is more than Forecast, Hedging in Futures is recommended
 Recommendations for Options in Futures:
 Purchasing Option seems to be beneficial
 Note: If the current prices show an increasing trend, waiting for decision is suggested.

Organized two days training program on Commodity derivatives in collaboration with NCDEX and VAMNICOM, Pune



Participation & Presentation in Maize value chain development workshop at Agri Warehousing and Logistic Park, Jambargaon, Aurangabad

The maize value chain development workshop has been conducted by the MSWC at Aurangabad on 28th July 2022. Around 70 Directors/Members of CBOs were presented at Aurangabad. The detailed actives of Risk Mitigation Cell have been Presented.





Visit to Latur APMC on 25th August 2022

Plan of Action:

Tentative Timeline

Interventions		Oct- Dec 2022	Jan-Mar 2022	Apr- Jun 2023	July -Sept 2023
Step- 1	Identifying the target districts and creating awareness/ publicity about the programme				
Step- 2	Planning of Training Events/ Programmes				
Step- 3	Marketing and publicity through print and audio-visual media				
Step- 4	Other operational guidelines of the pilot programme				
Step- 5	Documentation of Success stories				

Research Activities

S.N.	Activities	Year 2022			Year 2023								
		O c t	N o v	D e c	J a n	F e b	M a r	A p r	M a y	J u n	J u l	A u g	S e p
1	To prepare Commodity Profile – Maize												
2	To prepare Commodity Profile – Cotton												
3	To prepare Crisis Management Plan (CMP) for Tur												
4	To prepare long term Price Risk Mitigation Strategy for Maize												

5	To prepare long term Price Risk Mitigation Strategy for Cotton												
6	To conduct thematic studies on Crop Insurance/ Productivity												
7	Continuous monitoring of the selected crops												
8	Preparation of Qtrly. News Letter												

Regular Capacity Building and Handholding

Sr.	Activities	Year 2022			Year 2023								
		O c t	N o v	D e c	J a n	F e b	M a r	A p r	M a y	J u n	J u l	A u g	S e p
1	Training on Commodity Markets (Module 1-3)												
2	RMC & MIC Staff training												
3	Farmers Training												
4	Training for SMART Officials												
5	CBO/FPO Workshop												
6	Staff - Hands on Training (R/Python)												
7	Training cum Exposure Visits												

Component D- Project Management:

D 1 Staffing: The project position of staffing is as under:

Sr. No.	Agency Name	Post Sanctioned			Post filled		
		Deputation	Contract	Total	Deputation	Contract	Total
1	Project Coordination & Management Unit (PCMU)	21	34	55	14	32	46
2	PIU- Agriculture	14	14	28	7	13	20
3	Regional Implementation Unit (RIU)	24	56	80	15	56	71
4	District Implementation Unit (DIU)	128	148	276	98	113	211
5	PIU- DoM	2	5	7	2	5	7
6	PIU-MCDC	2	3	5	2	3	5
7	PIU AHD	3	2	5	3	2	5
8	PIU-MSRLM	4	2	6	1	2	3
9	MAVIM	1	5	6	1	0	1
10	PIU-VSTF	2	13	15	1	2	3
11	PIU-MSWC	1	3	4	1	3	4
12	PIU-MAHACOT	7	3	10	8	3	11
13	PIU-MSAMB	3	0	3	3	0	3
14	PIU-PMC	2	2	4	1	2	3
	Total	214	290	504	157 (73%)	236(81%)	393(78%)

- By GR dated 27.05.2019, 37 posts (14 deputation+23 contractual) has been sanctioned for creation of Project Management Unit.
- By GR dated 11.11.2021, total 504 posts has been sanctioned (37 old & 467 newly created) out of which 214 are deputation and 290 contractual.
- By GR dated 11.11.2021, the contractual positions has to be recruited by appointing outsource agency.
- By GR dated 14.07.2022 powers to depute cadre posts of Agriculture Department were given to Commissioner Agriculture. Orders of 91 officers were issued on dated 15.07.2022.
- Thesre project has appointed T&M Services Consulting Private Limited, Mumbai as outsourcing agency from 1st Sept. 2022.
- For recruiting of 173 contractual positions an advertisement was published by the project on 20th July, 2022.
- The information about sanctioned posts and post filled is enclosed.
- Till date 157 cadre posts (73%) and 236 contractual posts (81%) were filled.
- Till date 57 cadre posts and 54 contractual posts are not filled, the procedure for filling the vacant posts is under progress.

D 2 Gender Strategy:

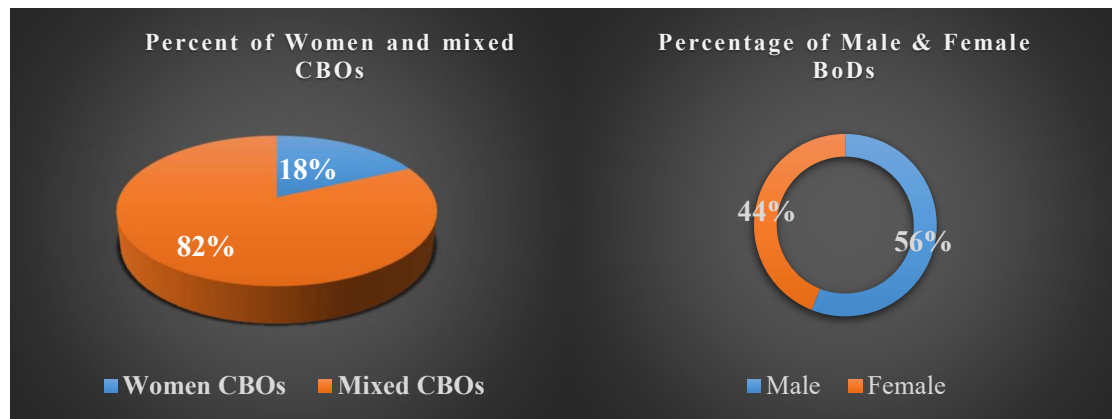
A. Bridge Technical Support

Under Bridge Technical Support, 163 Women FPCs have been mobilized against the target of 400 women FPCs.

B. Subproject Implementation

The CBOs of the sanctioned Full Project Proposal (Productive Partnership and Market Access Plan Sub-projects) do have the women's participation as below;

- Out of total CBOs, 18 percent are women CBOs
- Female shareholders/members are 54 percent
- Female board of directors are 44%



C. Capacity Building

- 1) Prepared training manual on “Gender mainstreaming in Agriculture Value Chain” for DoA staff and Conducted ToT of 54 Master Trainers { M-24, F-26}
- 2) Conducted training on “Gender Mainstreaming and Social Safeguard in Cotton Value Chain for SMART Cotton Agri Officials 128 {M-120, F-8}. The aspects of concept of Gender, sex, gender discrimination, gender roles, gender needs, gender box, gender equality, gender equity, gender mainstreaming, gender analysis of cotton commodity, tools for gender analysis i.e. Gender division of labour, 24'hours clock, access to and control over resources and decision making, POSH Act 2013, gender inclusive planning of SMART Cotton , social issues in cotton value chain i.e. child labour, labour health and safety, sexual harassment of women and equal pay for same work for male and female workers etc. covered in the training.
- 3) Conducted a study on “Gender gaps in the training curriculum by VANAMATI”.
- 4) One Day Training module on “Gender Mainstreaming in Agriculture Value Chain” prepared and incorporated in Foundation Batches of DoA conducted by VANAMATI and RAMETIs and delivered this module in 3 foundation batches.



4. SMART Cotton:

Under SMART cotton, the cotton picking bags have been provided in the demonstrations kit to 13920 farmers for minimizing the adverse health effects of women



D 3 - Management Information Systems and Monitoring & Evaluation:

Monitoring & Evaluation - The principal objective of the M&E system is to enhance the effectiveness and efficiency of the development project by measuring and managing results

M&E Milestones	Report	Responsible entities	
		PCMU	External M&E Consultant
Inception	M&E Strategy Report	Providing data/ documents for M&E Strategy report, facilitation discussions with relevant stakeholders, finalization of the report	Submission of draft M&E Strategy Report Submission of final M&E Strategy Report after incorporation of feedback from PCMU
Project Evaluation	Baseline survey Report	Provide data for selection of sample, facilitate field visits for survey through coordination with RIUs, DIUs, CBOs, Provide inputs on draft baseline report, finalization of baseline report	Carry out the preliminary baseline activities, Conduct the baseline survey, Submission of draft baseline report, Submission of final baseline report after incorporation of feedback from PCMU
	1 st Mid Term Evaluation Report	Provide requisite data for evaluation survey, facilitate field visits for survey through coordination with RIUs, DIUs, CBOs, Provide inputs on draft evaluation report, finalization of evaluation report	Carry out the preliminary evaluation activities, Conduct the evaluation surveys, Submission of draft evaluation report, Submission of final evaluation report after incorporation of feedback from PCMU
	2 nd Mid-Term Survey Report		
End-term Evaluation Report			
Project Monitoring	Six Monthly Monitoring Reports (11)	Provide data for six monthly reporting, ensure timely reporting of data in MIS, Facilitate field visit for survey, Provide inputs on draft six monthly report, finalization of report	Carry out the preliminary monitoring activities, Conduct six monthly visits, Submission of draft six monthly report, Submission of final six monthly report after incorporation of feedback from PCMU
Thematic Studies	Thematic Studies Reports (10)	Provide data for thematic studies, finalization of study themes, Provide inputs on draft thematic study report, finalization of thematic study report	Carry out data collection for thematic study, Submission of draft report on the thematic study, Submission of final report on thematic study after incorporation of feedback from PCMU
Project Closure	M&E assignment handover and closure		M&E handover and closure.

Progress till date –

- PricewaterhouseCoopers Pvt. Ltd. (PwC) has signed contract with SMART project on 7th February 2022, for consulting services as Monitoring and Evaluation Agency for SMART Project Pune.
- As a part of deliverable, PwC has submitted draft M&E Strategy Report and SMART project has given approval to the same.
- Baseline Survey is scheduled from December 2022 to February 2023.
- Timely Quarterly Progress Report (QPR) has been prepared & submitted to WB.

Result Framework Document

PDO level Indicators -

Indicator Name	Baseline	Cumulative Values			Remarks
		Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
		Increase in net price realization at producer level (Percentage)	0	0	
Full Time Equivalent jobs generated in beneficiary firms (Number)	0	2500	5000		M&E Agency Thematic Study
Of which, to female beneficiaries (Number)	0	370	1600		
Of which, to SCs and STs (Number)	0	500	1000		
Private sector finance mobilized and utilised by the project (Amount(USD), Thousand)	0	3600	52150	8671	Rs.56.40 Cr from bank loan & 4.30 Cr through CSR
Farmers reached with agricultural assets or services (CRI, Number, Thousand)	0	650	1025	119	VCDS and other capacity building program
Farmers reached with agricultural assets or services- Female (CRI, Number, Thousand)	0	230	380	45	
Of which, SC and ST farmers (Number, Thousand)	0	85	130	15	

Intermediate Results Indicators

No.	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021- 22)	Year 3 (2022- 23)	Achievement (as on Nov 2022)	
			A	Component A: Enhanced Institutional Capacity to Support Agricultural Transformation		
	Progress against outcome goals tracked and reported annually by DoA (Yes/No)	No	No	Yes	No	
	Annual ranking of markets in Maharashtra and publication of the same (Yes/No)	No	Yes	Yes	Yes	Annual rankings of APMCs was published on 1st Sept. 2022.
	Functional Agriculture Stewardship Councils established (Number)	0	0	3	1	Sustainable Grape Stewardship Council (in progress)
B	Component B: Expanding Market Access and Supporting Enterprise Growth					
	Productivity for selected commodities (mt/ha) (Number)					
	Cotton – Lint (Number)	0.29	0.29	0.3	0.29	Crop cutting experiment at field level
	Maize (Number)	2.91	2.91	3.02	2.91	
	Pigeon pea (Number)	0.93	0.93	0.97	0.93	
	Banana (Number)	52.29	52.29	54.38	52.29	
	Tomato (Number)	23.39	23.39	24.33	23.39	
	Average goat live weight (kg) (Number)	16	16	16.64		Field survey will be conducted after empanelment of M&E Agency
	Beneficiaries meeting quality standards set by sub-projects (Percentage)	0	40	50		
	Market linkages established with the support of the project (Number)	0	75	100	30	PP/MAP
	Project supported enterprises making incremental investments (Number)	0	0	500	0	
	Of which, female entrepreneurs	0	0	300	0	
	Of which, SC and ST entrepreneurs	0	0	100	0	
	Volume of credit accessed from FIs by CBOs and enterprises supported by the project (Amount(USD), thousand)	0	28,571	42,143	5,667	Total project cost - 8357.08 SMART Grant - 5087.40 CBO Contribution - 2905.9 Release - 566.79 (Rs Lakh)
	Of which, by female-led CBOs and female entrepreneurs (Amount(USD),Thousand)	0	10,714	16,286		

No.	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
	Of which, by SC and ST entrepreneurs (Amount(USD), Thousand)	0	0	429		
C	Building Risk Mitigation Mechanism					
	Beneficiaries who are aware of market intelligence given by the project(Number(Thousand))	0	0	240	0	Established Agricultural Market Intelligence Cell
	Of which, female beneficiaries (Number(Thousand))	0	0	48	0	
	Of which, SC and ST beneficiaries (Number(Thousand))	0	0	31.2	0	
	Warehouse receipts issued to project beneficiaries (Number(Thousand))	0	79.37	142.29	0	
	Of which, to female beneficiaries(Number(Thousand))	0	7.94	14.23	0	
	Of which, to SC and ST beneficiaries (Number(Thousand))	0	10.32	18.5	0	
D	Project Management, Monitoring, and Learning					
	Grievances registered related to delivery of project benefits that are actually addressed (Percentage)	0	80	80	100%	

Output Indicators

No	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
A1	Report on Capability Assessment of DoA submitted (Y/N)	N	Y	Y	Y	DLI
	Report on Capability Assessment of VANAMATI and RAMETI submitted (Y/N)	N	Y	Y	Y	DLI
	Activities scheduled by DoA as per the recommendations of the Assessment Report (Y/N)	N	Y	Y	Y	DLI
	Report on Capability Assessment of DoM submitted to DoM (Y/N)	N	Y	Y	Y	
	Activities scheduled by DoM as per the recommendations of the Assessment Report (Y/N)	N	Y	Y	Y	

No	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
				Workshops on market reforms and regulations and alternate market channels (number)	0	
	Setting up of Call center for dissemination of market information (Y/N)	N	Y	Y	N	
	Trainings conducted for APMC staff (number)	0	16	24	0	
A2	Officers trained on dispute resolutions (number)					
	Delegation of powers for dispute resolutions to field officers(Y/N)	N	Y	Y	Y	
A3.a	Research studies initiated to evaluate reform efforts (Y/N)	N	Y	Y	N	
A3.b	Establishment of functioning Agriculture Stewardship Councils (number)	0	0	3	1	Sustainable Grape Stewardship Council (in progress)
	CBOs members and non-CBO members of the ASCs (number)	0	0	90		
B	Supporting Enterprise Growth and Expanding Market Access					
	PCNs submitted for PPs (number)	0	405	540		
	FPPs submitted for PPs (number)	0	135	180		
	PP Grant Agreements signed (number)	0	90	120	353	71 for SPAC 10 (Total 424)
B1/ B1.a/ B1.b/ B1.c	PCNs submitted for MAPs (number)	0	405	540		
	FPPs submitted for MAPs (number)	0	135	180	12	
	MAP Grant Agreements signed (number)	0	90	130	8	
	Farmers trained in agriculture and horticulture practices through the Value Chain Development School (number)	0	26070	51660	11970	
B.1.d (i)	Study report on operational integrated facility required for export and submitted to MSAMB. (Y/N)	N	Y	Y	Y	
	Report of Knowledge Partner on interventions at AHD(Y/N)	N	N	Y	N	

No	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
			B.1.d	Creation of Livestock Master Plan i.e. LMP (Y/N)	N	
	In-service training for AHD staff on GAHP	0	125	250	0	
	No. of ginners empaneled with SMARTCOTTON	0	30	40		
	No. of bales processed through empaneled ginners	0	120000	255500		
B.1.d (iii)	No. of smart cotton bales sold on e-market place		84000	204400		
	No of ginners registered for selling self-certified bales on e-market place		60	80	37	
	Percentage of the produced bales sold by registered ginners on e-market place (percentage)		30	40	35	
	No. of farmers selling on platform	0	42000	91000	0	
	No. of ginners selling on platform	0	60	80	0	
	No. of buyers buying on platform	0	15	20	0	
	Price differential = (Price for rated bale on platform) less (Price of rated bale elsewhere) (INR)	0	500	750		
B1.e	CLF and CMRC members reached through Bridge Technical Support (Training and Exposure Visits)	0	1000	1525	0	
B2	Entrepreneurs trained (number)	0	400	800	0	
	Tie-ups formalized with Banks / FIs on Partner Financial Institution platform (number)	0	7	10	6	
	CBOs rated by agency (number)	0	200	300	10	
B.3	Feasibility study report on evaluation of the option of setting up PCG/FLDG (Y/N)	N	Y	Y	N	
	Development of IT enabled / Cloud tools for digitization of CBOs records- MIS system (Y/N)	N	Y	Y	N	
	Farmers certified with GAP/organic certification under urban food pilot intervention (number)	0	500	1000	0	
B4	Weekly markets upgraded under the urban food pilot intervention (number)	0	28	28	0	
C	Building Risk Mitigation Mechanisms					

No	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
			C1	Beneficiaries reached with price forecast (number)	0	
C2	MoUs between CMAs and PACS (number)	0	10	70	9	
	Storage capacity operationalized (MT) by PACS(number)	0	51150	91650		
	New warehousing capacity created (MT)	0	15000	33000	0	
	Farmers using the storage capacities created by PACS (non-cumulative,number)	0	16028	30735	0	
	WR issued to farmers using the storage capacity created by PACs (non- cumulative, number)	0	16028	30735	0	
	Percentage of farmers linked to market of the total number of farmers using the storage capacities created by PACS (percentage)	0	15	25	0	
	MoUs entered between CMAs and CLFs (number)		30	45	2	
	Additional storage capacity newly created (MT) by CLFs (number)	0	11250	15000	0	
	Farmers using the storage capacities created by CLFs (non-cumulative, number)	0	6750	18375	0	
	WR issued to farmers using the storage capacity created by CLFs (non- cumulative, number)	0	6750	18375	0	
	Warehouses of CBOs such as PACS, CLFs, FPOs accredited by WDRA (number)	0	0	0	0	
	Advisories and reports sent to Government by Risk Mitigation Cell (number)	0	4	6	0	
C3	Study report on constraints and development of strategy for promoting exchange traded instruments for price risk mitigation by CBOs and State Agencies (Y/N)	N	Y	Y	Y	Report has been submitted by agency
D	Project Management, Monitoring, and Learning					
	Land area (ha) brought under Climate Smart Agriculture	0	15000	25000	0	Scheduled field survey in the

No	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
				technologies promoted by project		
	Climate SMART Technologies adopted by Producers (number)	0	1	1	0	

Outcome Indicators

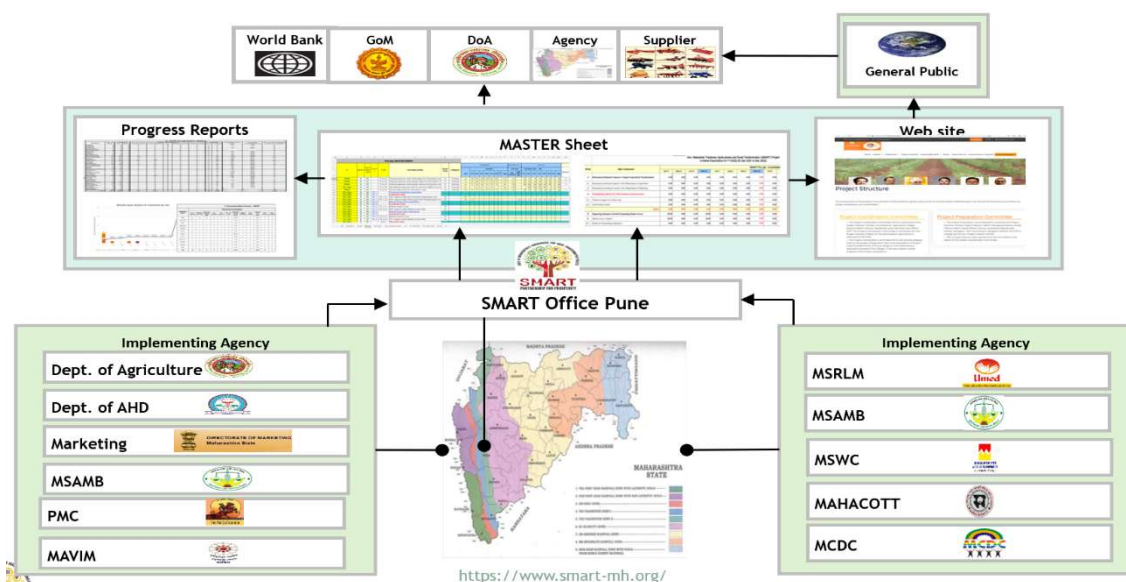
No	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
			A	Enhancing Institutional Capacity for Agribusiness Reforms		
1	Progress against outcome goals tracked and reported annually by DoA (Y/N)	N	Y	Y	N	DLI
2	Compiling and disseminating information on market regulations measured through number of publications released(Y/N)	0	2	3	0	
3	Annual ranking of markets in Maharashtra and publication of the same (Y/N)	N	Y	Y	N	
4	Enhanced dispute resolution capacity through setting up of online reporting and tracking system for disputes (Y/N)	N	Y	Y	N	
5	Strengthened systemic capacity for generating a knowledge base for reform measured through publication of policy studies based on market data (Y/N)	N	Y	Y	N	
6	Functional Agriculture Stewardship Councils established (number)	0	0	3	1	Sustainable Grape Stewardship Council (in progress)
B	Supporting Enterprise Growth and Expanding Market Access					
7	Enhanced market access measured through volume sold under PP, MAP, IP by beneficiaries as percentage of total volume produced by beneficiaries (share)	0	--	30		Scheduled field survey in the month of December 2022 by M&E Agency
8	Productivity for 11 select commodities (MT/ha)					
	Cotton - lint	0.29	0.29	0.3		

No	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
	Maize	2.91	2.91	3.02		
	Pigeon pea	0.93	0.93	0.97		
	Banana	52.29	52.29	54.38		
	Tomato	23.39	23.39	24.33		
	Goat (live weight in kg of an animal at 6 months)	16	16	16.64		
	Soybean	1.36	1.36	1.36		
	Pomegranate	11.72	11.72	12.19		
	Grapes	22.42	22.42	22.76		
	Onion	14.64	14.64	14.86		
	Okra	9.69	9.69	10.08		
9	Percentage beneficiaries meeting quality standards set by sub-projects (percentage)	0	40	50	--	Field survey will be conducted after empanelment of M&E Agency
10	No. of market linkages established with the support of the project	0	75	100	11	
11	Strengthened export linkages measured through MAPs targeting export markets (percentage of all MAPs operationalized in the preceding 2 years and the current year)	0	--	15	--	Scheduled field survey in the month of December 2022 by M&E Agency
12	SMART cotton price comparator defined as Price accruing to farmer with SMART Cotton intervention compared to Price accruing to farmer	0	--	1.05	--	
13	Establishment of independent institutional mechanism for SMART cotton whose standards are adopted by:	0	Y	Y	--	Scheduled field survey in the month of December 2022 by M&E Agency
	i. Farmers	0	42000	91000		
	ii. Ginners	0	24	32		
	iii. Spinners	0	12	16		
14	Number of project supported enterprises making incremental investments	0	0	500	0	
	Of which women entrepreneurs	0	0	300	0	

No	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
			Of which social category entrepreneurs	0	0	
15	Volume of credit (Rs. crores) accessed from FIs by CBOs and Enterprises	0	200	295	5.64	
	<i>Of which Volume of Credit accessed by women led CBOs and women entrepreneurs</i>	0	75	114	0	
	<i>Of which Volume of Credit accessed by entrepreneurs belonging to social category</i>	0	0	3	0	
16	Enhanced access to finance as measured by CBOs accessing credit from Partner Financial Institutions(number)	0	20	70	0	
17	Increased awareness across the value chain about safe food measured through number of participants reached through safe food value chain interventions (number)	0	30000	60000	0	
	Of which female beneficiaries (percentage)	0	15	20	0	
C	Building Risk Mitigation Mechanism					
18	Number of beneficiaries who are aware of market intelligence given by the project			24000	Y	Approx. 62500
	<i>Of which, female beneficiaries</i>			48000		
	<i>Of which social category beneficiaries</i>			31200		
19	WRs issued to project beneficiaries	0	79368	142288	15199	Farmers - 5141 and Traders 10058
	<i>Of which, female beneficiaries</i>		7937	14229		
	<i>Of which social category beneficiaries</i>		10318	18497		
20	Farmers getting pledge finance using NWR as a percentage of the total number of farmers getting WRs (percentage)	0	15	20	0	
21	Integration of the project supported warehouse facilities with the state warehousing grid through IT infrastructure (Y/N)	N	N	Y	N	
D	Project Management, Monitoring, and Learning					

No	Indicator Name	Baseline	Cumulative Values			Remark
			Year 2 (2021-22)	Year 3 (2022-23)	Achievement (as on Nov 2022)	
			22	Grievances registered related to delivery of project benefits that are actually addressed (percentage)	0	
Climate Indicators						
23	GHG emissions reduced in selected value chains (percent)	0	2	4	0	Field survey will be conducted by M&E Agency
24	GHG Reduction Impact (tCO2-e per year)					
	Cotton	2156869	2113732	2070594		
	Turmeric	560584672	549372979	538161285		
	Soybean	516958	506619	496280		
	Okra	701	689	673		
	Banana	36765	36030	35294		
	Goat Rearing	1059	1038	1017		
25	Kwh of coal-based electricity replaced through renewable energy sources (solar) in select infrastructure supported by project (percent):					Field survey will be conducted by M&E Agency
	New Infrastructure	0	10	20		
	Existing Infrastructure	0	5	10		

Excel-based MIS is functional at all level of implementation: PIU / RIU and DIU



Physical and Financial Tracking (PCMU, All PIU, 8 RIU, 34 DIU) based on Cost-table.

CBO Monitoring (All DIU, PIU Agri, MSRLM, MAVIM, MCDC and VSTF)

VCDS and SMART Cotton activity Tracking

Training (VANAMATI / RAMETI) Tracking

Call for Proposal, SMART Activity, filed inspection (Google form)

Transaction Advisory of System Integrator for DoA and SMART: E&Y LLP

Contract Signed: 23rd Mar. 2021

Duration: 24 Month (Upto 22nd Mar. 2023)

Sr. No.	Deliverables	Status
1	Submission of As-Is report (DoA App)	Completed
2	GAP Analysis, To-Be and Business Process document	Completed
3	Functional Requirement Specification (FRS)	Completed
4	Detailed Project Report (DPR)	Completed
5	Request for Proposal (RFP) for System Integrator DoA and SMART	Completed
6	Evaluation to on-boarding of System Integrator	Completed
7	Overseeing the implementation of System Integrator (6 Qtrly Report)	Progress

D 4 Fiduciary Arrangements- Financial & Procurement:

D 4.1 Financial Management:

1) Status of counterpart funding for the Project :-

- Details of budgetary provision, grants received from GoM and expenditure by Project till 30.11.2022.

(Rs. in Cr.)

Year	Budgetary Provision	Grants Received	Expenditure (as on 30/11/2022)
2019-20	9.90	4.75	4.64
2020-21	70.00	18.41	7.16
2021-22	142.58	50.86	17.76
2022-23	100.00	75.00	66.06
	Total	149.02	95.61
	Corporate funding	4.30	4.30

- Proposal for supplementary demand for Rs.34 Cr.has been sent to GoM for 2022-23.
- Budget for F.Y.2023-24 amounting to Rs. 452 Cr.has been sent to GoM.

2) Position of expenditure and disbursement received from the WB :-

Application No	IUFR Reference Period	Expenditure (in cr.)	Disbursement received from WB	
			INR in Cr	In million \$
Front end fees			3.93	0.53
IUFR-1 (Retro Period)	24/01/2019 to 23/01/2020	3.25	2.26	0.30
IUFR-2	24/01/2020 to 31/03/2020	1.04	0.72	0.10
IUFR-3	01/04/2020 to 30/09/2020	2.53	1.75	0.24
IUFR-4	01/10/2020 to 31/12/2020	1.48	1.04	0.14
IUFR-5	01/1/2020 to 31/03/2021	3.20	2.24	0.31
IUFR-6	01/04/2021 to 30/06/2021	0.93	0.65	0.09
IUFR-7	01/07/2021 to 30/09/2021	5.83	4.06	0.54
IUFR-8	01/10/2021 to 31/12/2021	4.86	3.41	0.45
IUFR-9	01/01/2022 to 31/03/2022	6.12	4.28	0.55
IUFR-10	01/04/2022 to 30/06/2022	7.24	5.05	0.64
IUFR-11	01/07/2022 to 30/09/2022	36.65	25.91	3.17
	Total	73.13	55.30	7.06

3) Year wise WB targets & disbursement :-

WB fiscal year ending 30th June	Currency	June-20	June-21	June-22	June-23	Total
Annual target as per PAD (1\$=Rs.72.05)	million \$	1.49	7.53	10.70	19.99	39.71
	Rs. Cr	10.74	54.25	77.09	144.03	286.11
Disbursal from WB	million \$	0.92	0.69	1.64	3.81*	7.06
Shortfall in WB target (1\$=Rs.72.05)	million \$	0.57	6.84	9.06	16.18	32.65
	Rs. Cr	4.10	49.31	65.30	116.57	235.28

* Disbursement up to Sep-2022

4) Status of Implementation :-

A) Audit

External Audit:

- Kaloti & Lathiya, Chartered Accountants, Amravati were appointed as External Auditor of SMART Project for F.Y.2020-21 and 2021-22 on 14th December 2021.
- External auditor has conducted audit for both the years and submitted audit report for F.Y.2020-21 on 15.2.2022 and F.Y. 2021-22 on 17.11.2022.
- External audit report for F.Y.2020-21 has been sent to WB on 1.4.2022. External audit report of F.Y.2021-22 has been sent to WB on 6.12.2022

Internal Audit:

- S.K.Patodia & Associates, Chartered Accountants appointed as Internal Auditor of SMART Project for the period F.Y.2018-19 to 2023-24 on 26.7.2022.
- Internal Audit is in progress

B) TALLY-Roll-Out in SMART Project:

- Service provider for TALLY roll out, M/s Dexterity Techsys Pvt. Ltd., has been appointed on 4th August 2022.
- Data for tally customization and reporting requirements have been shared by Project with service provider.
- Service provider has customized the accounting software accordingly.
- The testing on the same is in progress.
- TALLY software licenses for the accounting centre will be purchased after procurement of computers at accounting centers.

C) IUFR & Project Financial Statement:

- Till quarter ending Sept 22 all IUFRs are submitted within due date and disbursement from WB received.
- Project Financial Statement audited till F.Y.2021-22 by external auditor.

D) Training:

- Training and handholding on preparation of IUFR given to all accounting centres on quarterly basis.
- Offline Training given at VANAMATI on CBO finance & FPP to all master trainers of SMART in Nov 21.
- Online training series conducted every Wednesday for all accounting centres from Dec 21 on different subjects such as
 - a) Taxation matters and related compliances,
 - b) PFMS operation,
 - c) Budget preparation,
 - d) Preparation of project's internal and external audit,
 - e) Maintenance of Books of Accounts,
 - f) Pre-audit checklist for bill verification and
 - g) Other finance related matter as per the FMM.
- Handholding given by finance team to all accounting centres as and when required through virtual mode, on call and personally.
 - a) PFMS.
 - b) PFS.
 - c) IUFR.
 - d) Various deductions from payments.
 - e) Applicability of different taxes.

- Offline training given at orientation workshop to all newly recruited accounts staff on finance and accounts related matter in June 22.
- Online training given to PCMU, PIU and DIU technical staff regarding verification of CBO's business calculator in full project proposal.
- Circulars and guidelines issued as and when required for removal of difficulties and better implementation of finance and accounting system in the project.
- Meeting held for preparation of compliances of audit paras raised by external auditor.

E) Changes in FMM with respect to fiduciary safeguards to project funds in CBO fund flow:

- Rounds of discussions held with various bankers for fiduciary safeguard of project funds given to CBO.
- Credit linked Subsidy scheme was agreed upon and accordingly necessary amendments were made in FMM w.r.t. fiduciary safeguard in CBO fund flow.
- The above amendments were approved by World Bank and Project Steering Committee.

F) MoU with Bank of Maharashtra

- Bankers meet was held at VAMNICOM on 27th October 2021 for discussion on integrated banking solution for SMART Project and fiduciary safeguards to be introduced in CBO fund flow on the basis of pilot project experiences.
- As per the advice of banking expert appointed, project approached four lead banks & project bank (SBI, BoM, BoI CBI & Canara Bank) w.r.t integrated banking, financing to CBOs, MIS, safeguard of project funds etc.
- Selection of Bank of Maharashtra (BoM) was done on competitive basis for integrated banking solution. Project entered into a MoU with BoM on 15th July 2022.
- Development of comprehensive MIS for finance from BoM is in progress.

G) Funding to CBO on in principle loan sanction basis

- As approved in project's governing council meeting held on 10th June 2022, first tranche to CBOs will be released on the basis of banks in principle loan sanction letter instead of loan sanction letter.
- The above policy has been agreed by World Bank for 200 CBOs on pilot basis.
- Project has released first tranche to 45 CBOs (details attached) on the basis of in principle loan sanction letter issued by BoM.

H) Funding to CBO:

- Till date 117 CBOs has been financed by Project out of that no-loan CBOs are 45 and loan CBOs are 72.
- A legal expert was appointed by project. In consultation with him Grant agreement for loan and no-loan case of CBO has been drafted.

Componentwise Expenditure Statement:

Rs. In Lakhs

Sr. No	Main Component	Project Cost	Expenditure	In %
A	Enhancing Institutional Capacity to Support Agricultural Transformation			
A1	Enhancing institutional capacity of the Department of Agriculture	19250	0.00	0.00%
A2	Enhancing Institutional Capacity of the Department of Marketing	2220	17.70	0.80%
A3	Strengthening capacity for reform measures and joint actions			
A3.1	Technical support for reforms unit	670	0.00	0.00%
A3.2	Stewardship Council	6120	24.29	0.40%
Sub-Total A		28260	41.99	0.15%
B	Supporting Enterprise Growth & Expanding Market Access			
B1	Market Access Support	26472	953.04	3.60%
B1.1	Productive Partnership Subprojects	32400	4937.52	15.24%
B1.2	Market Access Plans Subprojects	36100	239.99	0.66%
B1.3	Complementary Innovation Investment Subprojects	4900	0.00	0.00%
B1.4	Priority investments in public infrastructure	25321	494.83	1.95%
B1.5	Capacity Building	2950	244.83	8.30%
B2	Support Enterprise Development	2312	6.69	0.29%
B3	Access to Finance	2019	26.08	1.29%
B4	Pilot Program on Urban Food Systems	9066	0.27	0.00%
Sub-Total B		141540	6903.25	4.88%
C	Building Risk Management & Mitigation			
C1	Enhanced Market Information and Intelligence Services	2106	3.91	0.19%
C2	Strengthening the warehouse receipts systems	8670	288.74	3.33%
C3	Price Risk Management Support	2168	14.78	0.68%
Sub-Total C		12944	307.43	2.38%
D	Project Management Monitoring & Learning			
D1	Project Management Monitoring & Learning	8002	367.67	4.59%
D2	Recurrent Costs (PCMU/PIU/RIU/DIU)	14388	1940.66	13.49%
Sub-Total D		22390	2308.33	10.31%
Contingency E		11370	0.00	0.00%
Total (A+B+C+D+E)		216504	9561.00	4.42%

D 4.2 Procurement Management:

1) **SMART Consultancy Status:** The status is as under:

Particulars about Consultancy Services	No of consultancy	Value in Lakhs
Total Consultancy Planned	43	14838.09
Total Consultancy cancelled at initial stage	6	910.65
Total Consultancy Cancelled at procurement stage	10	6350.45
Actual Procurement plan after cancellation	27.00	7576.99
Total Consultancy Contract Awarded	21	5466.87
Total Consultancy procurement in process	6	2138.21
Procurement completion achievement	77.78 %	

2) **Procurement Training:** The training details are as under:

Sr. No.	Training on	Date	Participant	Mode of training
1	World Bank's Procurement Regulations July 2016	07-18 Sep 2020	1. Shri D.L. Tambhale, Add. Project Director 2. Shri.J.R.Bunde, Coordinator Agri 3. Smt. V.N. Kolhatkar, Finance Specialist 4. Shri. Pradip Patil, Dy. Director 5. Shri Sanjay Bhirud, Procurement Expert	Online ASCI, Hyderabad
2	World Bank's Procurement Regulations July 2016	26 Nov -06 Dec 2018	Dr. Abhay Gaikwad, Market Analyst	Offline IIM Lucknow, Noida Campus
3	Procurement procedure for CBO	26/11/2021	Master trainers	Offline VANAMATI
		07/09/2022	Amaravati division Nodal & technical officers	Online
		13/09/2022	Aurangabad division Nodal & technical officers	Online
		16/09/2022	All Nodal officers, Technical officers and master trainers	Online
		22/9/2022	Aurangabad RIU & DIUs Nodal officers, Technical officers (12 participants)	Offline
		22/09/2022	Latur and Aurangabad division CBOs directors (40 directors of 20 CBOs)	Offline at RAMETI
		22/09/2022	Thane division all Nodal & technical officers	Offline at RAMETI
		23/09/2022	Latur division all Nodal & technical officers (15 participants)	Offline

Sr. No.	Training on	Date	Participant	Mode of training
		23/09/2022	Pune division all nodal and regional officers	Online
		4/10/2022	CBO directors	Offline
		19/10/2022	Ahmednagar CBO directors & district officials (34 participants)	Offline
		04/11/2022	CBO directors (25 participants)	RAMETI Pune Offline
		08/11/2022	Pune divisional Nodal & technical officers	Offline
		10/11/2022	VANAMATI -Master trainers (25 CBO directors)	Online
		15/11/2022	CBOs directors (21 CBOs, 42 participants)	Offline VAMNICOM
		22/11/2022	CBOs directors (22 CBOs, 40 participants)	Offline VAMNICOM
		28/11/2022	All VCDS officers of PIU-Agri and all concern of other PIUs (65 participants)	Offline VAMNICOM

3) Community Procurement status – Works / Goods/ Non-consultancy

Procurement details	Nos	Value in Lakhs
No of CBOs initiated Procurement activities	42	5533.78
Total Tender published	59	4469.92
Total Contract Awarded	37	1462.06
Total Tenders in process	22	2950.32
Total works completed	24	734.78
Total tender in publishing stage	15	1063.86

D 5 Safeguards- Environment & Social Management Framework:

D 5.1 Environment Management Framework:

As a part of project preparation, an Integrated Environmental and Social Assessment Study (ESA) was undertaken with an aim to provide inputs into the design of the SMART Project in accordance with the World Bank's Operational Guidelines and Policies. It involved identification of key environmental and social issues arising out of the proposed project activities and mainstream the environmental and social management measures in all stages of the project cycle. Based on the ESA study, Environmental and Social Management Framework (ESMF) has been developed to ensure that:

- a) Environmental considerations are fully mainstreamed in project planning, implementation and monitoring; and
- b) The potential adverse impacts are adequately mitigated and potential benefits of the project are further enhanced to improve the effectiveness and sustainability of the project.
- c) All activities under all the component and subcomponents of the SMART project will be implemented in accordance with the provisions and mitigation measures given in the ESA/ESMF document.

Focus of the ESMF Document- Adequately mitigate potential adverse environmental impacts/risks and enhance the potential benefits of the project.

Operational Policies (OPs) –

OP 4.01- Environmental Assessment and

OP 4.09 - Pest Management are triggered.

Climate Change: Project is promoting development of the Climate Resilient Agriculture Value Chains and GHG emission reductions.

Emphasis of ESMF: Construction management guidelines for project's postharvest infrastructure, good industrial practice, pest management plan, phytosanitary measures for agricultural propagation materials, food safety, etc.

Environmental Safeguard Targets Linked to OP 4.09 - Pest Management

- To do IPM demonstrations for all the SMART related agri-commodities.
- Target to bring minimum of 50 % of the SMART project's area under the IPM practices by the end of the project.
- Provide training and capacity building to all the producers (CBO representatives) on IPM practices for the SMART related agri-commodities through agri-value chain school.

Climate Co-Benefit Inclusion Targets (Linked to OP 4.01 Environmental Assessments and OP 4.09 - Pest Management)

- Demonstrate 10 Climate SMART Technologies (CSTs) to the Producer's in the Project and facilitate adoption of at least 03 best suited CSTs relevant to the subproject by the producers.
- SMART project has a target to bring 70,000 ha. area under Climate Smart Agriculture (CSA) by the promotion of organic certification (4,000 farmers), GAP certification (9,500

farmers), Good Animal Husbandry Practices (GAHP), productive use of crop residues, IPM, INM, renewable/energy efficiency in the warehouses, introduction of climate hardy seed varieties, use of ICT for climate change risk management.

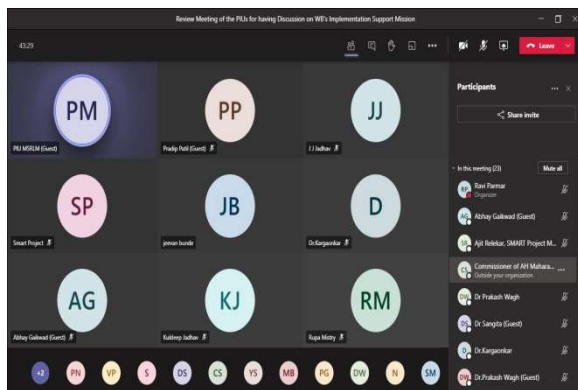
- In the project's post-harvest infrastructure like warehouses, processing units, etc., target is set to carry out 50 % replacement/reduction of kWh of coal-based electricity by renewable energy sources (solar)/use of energy efficient electrical equipment's. Electricity meter reading in relation to storage capacity utilized to be reviewed for validating the improvements achieved.
- Bring at least 10 % reduction in the use of agrochemicals through the promotion of GAP, organic certification, precision farming (INM), Integrated Pest Management (IPM), etc.

B. Activity wise Progress of the Environmental Safeguards

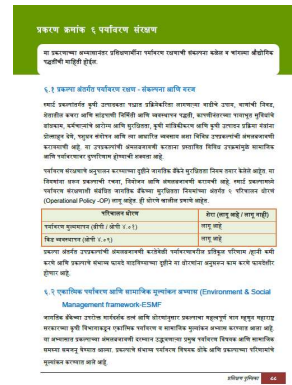
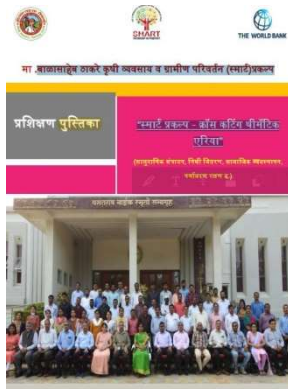
Component/Sub-Component: Comp D- Project Management, Monitoring & Learning

D5 Safeguards- Environmental Management Framework

- Carried out ESMF orientation of 397 CBO representatives, 491 state line department functionaries and 63 Master Trainers of VANAMATI and RAMETIs.



- Prepared Environmental Action Plan (EAP) template in English and Marathi for the FPP in word and digital Google form format. Conducted screening of primary sanctioned CBOs.
- Prepared EMP advisory for the subproject stakeholders and draft EMP for the IIMR proposal.
- Orientation to PriMove team on the Environmental Management Framework (EMF). Finalized content of the Environmental Safeguards Modules for conducting Comprehensive Training of the CBOs.



- Developed documents (REoI, ToRs) on empanelment of the certification agencies for Organic and GLOBALG.A.P. standards.
- EMP plan included in the procurement document according to construction guidelines of ESMF.
- Prepared ToR for positioning of the Environmental Officers (EOs) at RIU Level. Two Environmental Experts are joined at RIU Nashik and Nagpur. Remaining 6 Environmental Experts will be joining shortly.
- Conducted orientation of ESMF to newly joined experts for Nashik and Nagpur division.
- Conducted orientation of Environment safeguards to 140 newly joined staff.
- Environmental baseline database is collected for 164 approved subprojects. Data collection for remaining CBOs are in process.
- Conducted MIS team orientation regarding monitoring formats for Environment safeguards and finalized formats for timely data collection.
- Conducted online orientation to 185 CBOs representatives for environment action plan to be submitted along with the FPP.



- Conducted division wise DIU level online review on Environment Action Plan.
- Attended Training on Environmental and Social Management Framework at BIRD, Lucknow.

C. Climate Indicator based updates

C1. Climate resilient infrastructure integrated in FPP:

- Sanctioned grant for climate resilient infrastructure for 20 CBOs (Solar dryers, Baler machines etc).
- Sanctioned grant for fuel briquette making machine as a potential CSA technology for Crop Stubble Management.

C2. Climate Smart Agriculture (CSA)

Integration of climate resilient infrastructure, Integrated pest management, Integrated nutrient management, Agricultural waste management, Energy efficiency and Organic farming are most preferred climate smart agriculture technologies by the CBOs under SMART project.

C3. Green House Gas reduction: CBOs mapped for GHG reduction activity at production, storage, processing and transport stage of value chain. Formats are finalized and shared with MIS team. Environment Experts at RIU level will collect stage wise data and estimate GHG emission in each selected value chain.

Commodity selected	CBOs mapped
Banana	9
Cotton	4
Okra	10
Soybean	94
Turmeric	12
Goat Rearing	25

C4. Renewable energy sources (solar) in select infrastructure:

- Sanctioned grant for solar system of total capacity of 2393 KWH for 52 CBOs.
- Finalized 1134 KWH for 26 CBOs are under process.
- Net metering based formats are shared through MIS to be filled by DIU officials on monthly basis, and reviewed by RIU Environment Experts on quarterly basis for final reporting.

D. Next Plan of action

- Hiring consultant for Increase in area under Good Agricultural Practices is in process.
- Staff Training on ExACT software for greenhouse gas reduction in selected value chains.
- Regular monitoring for net metering based reading of electricity units generated through solar system.
- Regular monitoring of tender documents for proper integration of EMP plan according to construction guidelines of ESMF.
- IEC Material on Sustainable Agricultural Practices

D 5.2 Social Management Framework:

The progress of different components of Social Management Framework is mentioned as below;

A. Recruitment of Social Development Experts at Regional Implementation Unit (RIU):

The interviews for Social Development Experts (8 posts) have been conducted by T & M Services Consulting Private Limited on 1st December 2022 and 8 candidates have been selected and appointment orders have been issued. It is envisaged that within a period of one month Social Development Experts will join at Regional Implementation Units.

B. Sub-Project Implementation:

Project has sanctioned the 424 Full Project Proposals (FPPs). The PIU wise details of approved FPPs is as below;

Sr. No.	PIUs	Target for CBO	Primary Sanctioned CBOs	Received FPPs	Approved FPPs
1	Agri	900	794	404	332
2	MAVIM	100	73	49	49
3	MSRLM	200	37	13	12
4	AHD	50	31	7	6
5	VSTF	72	28	23	25
Total		1322	963	496	424

The Social Action Plan have been incorporated in all sanctioned 424 FPPs.

C. Social Screening

i. The social screening of approved sub-projects:

Social screening of approved 424 subprojects have been completed. The district Nodal Officers/Value Chain Experts/District officers of respective PIU have completed the screening. The major observations are as below;

1. The land selected for infrastructure development in the sub-projects is either owned by CBO or taken on lease. No land is purchased in any of the sub-project.
2. The CBOs have submitted the land document i.e. 7/12 extract in case of own land or 29 years registered lease agreement in case of leased land in the Full Project Proposals.
3. The land identified for all sub-projects is free from encroachment. All sub-projects have submitted the non-encroachment certificates either by Gram panchayat or district Nodal Officer of concerned PIU in the Full Project Proposal (FPP).
4. There will be employment generation at local level. Members of CBOs/community are aware about the sub-project intervention.

5. Out of total sub-projects, 17 falls under Schedule V areas. One falls under fully covered and remaining 16 falls under partially covered area. The stakeholder consultation and consent is availed in the PESA villages. There is no any adverse impact of sub-project implementation on livelihood and socio-cultural aspects of tribal community.

ii. Social Screening of Farmers Weekly Market –PMC

The social screening of 15 places identified by PMC for farmer’s weekly market has been completed. After social screening and visit to all locations by concerned authorities, PMC has finalised 5 places for the Farmers Weekly Markets i.e Baner Pashan Link road, Adishakti Yoga Kendra Baner, Dushara Chowk Balewadi, Brhma Majestic Society Kondwa and Dhanori Lohagaon.

The details of social screening of five selected places is as below;

Sr. No	Name of Place	Type	Observations
1	Baner Pashan Link Road, Pashan Pune	Open space	The area is 1524.28 sq.mt. The space is too small to conduct a weekly market. It will face issues like parking. The space is not easily accessible to the community as the area is commercial location. No encroachment on site. Lack of basic infrastructure. Land is owned by PMC.
2	Adishakti Yoga Centre, Pashan Sus Road	Open Space	The area is 4000 sq.mt .and located just behind the Yoga Centre open ground with well connectivity to the surrounding community. The area is mostly residential and is easily accessible to the community. As there is sufficient space, parking and mobile toilets facility can be provided. There is a yoga centre in front of the open space. Site can be accessed from both sides of the Yoga centre. Land is owned by PMC and no encroachment on site
3	Dhanori-Lohgaon (Dhanori Open Market	Open Space	Location: S.No 16/3 B, Dhanori- Lohgaon Road,Dhanori, Pune, Area: 3224 Sq.Mt The space is well connected to adjoining road. Currently it is vacant and can be a suitable space for weekly market with parking facility. There is proper compound wall. The space is road touch and is accessible to the community. There is no encroachment and the land is owned by PMC.
4	Kondhwa (Kh)	Open space	Area 1500 sq .mt.Location: S.No 13/1/2/3, Space Between Brahma Majestic & Brahma Exabiasation, Pune The space is adjoining to Kondhwa Kh Road. Currently the space is used for vehicle parking purpose. Can be easily accessible to nearby community. The land is owned by PMC and is encroachment free.
5	Dushera Chowk, Balewadi	Open space	Area is 1752.30 sq.mt .Location: Balewadi Open space with well connectivity to the vicinity. As the development is mostly residential the space is easily accessible to the community. The space has a compound wall. A part of space can be made available for 2-wheeler parking. Currently the FPO Swami Samarth runs the weekly Market on every Thursday. The FPO has provided a stall to farmers having foldable table and cover and a waterproof roof. Currently the FPO running the ideal Farmer’s Market. The land is encroachment free but it is under amenity space reservation.

The social action plan for all these 5 proposed farmer weekly places have been prepared and the proposed major intervention are as below;

1. Some places to be reserved in each market for women/women SHGs/CMRCs/CLFs/Women FPCs
2. Separate wash rooms for males and females in each market
3. Provision of clean drinking water
4. Local street vendors need to be accommodated in the market so that their livelihood should not be adversely affected.

iii. Social Screening of location identified for Silo by MSWC:

The location has been identified by MSWC in MIDC Latur. The land selected is 7 acre. Four Silos each of 2500 MT is proposed. Land is encroachment free. There are no adverse social impacts. The Social Action Plan has been prepared which includes the major key points as below;

For Civil work the key action points are;

- i. Incorporation of ESHS plan in tender document
- ii. Orientation of ESHS plan in pre-bid meeting
- iii. Incorporation of ESHS plan in the agreement with Contractor
- iv. Implementation of ESHS plan by Contractor



For implementation stage key action points are;

- i. Employment opportunities for females, landless labours, returnee migrants etc.
- ii. Separate wash rooms for male and female
- iii. Occupational safety and health provisions to male and female workers
- iv. Establishment of Grievance Redressal

Social screening of land selected for Silo, PIU MSWC for workers

Mechanism

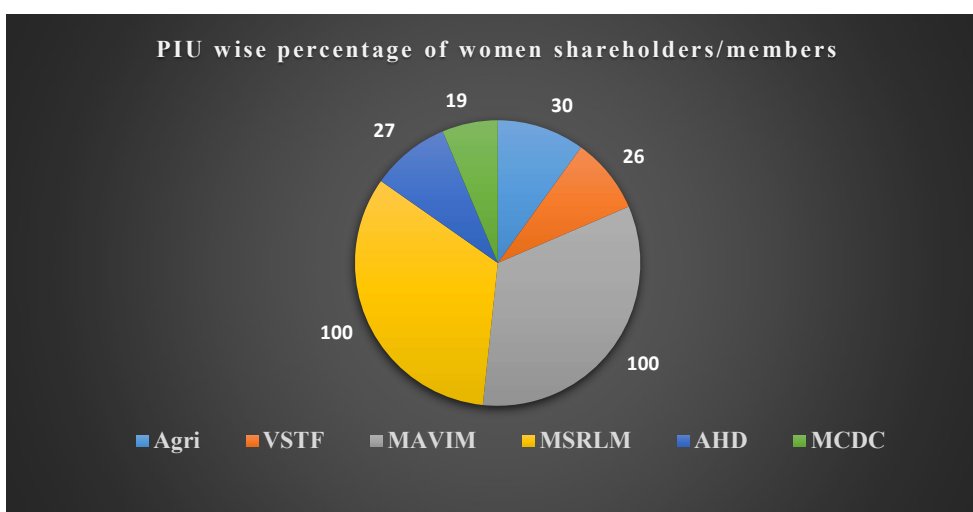
Adishakti Yoga centre, Farmers Weekly Market, PIU PMC

D. Social Inclusion: The gender and social inclusion in different components of the project is as below;

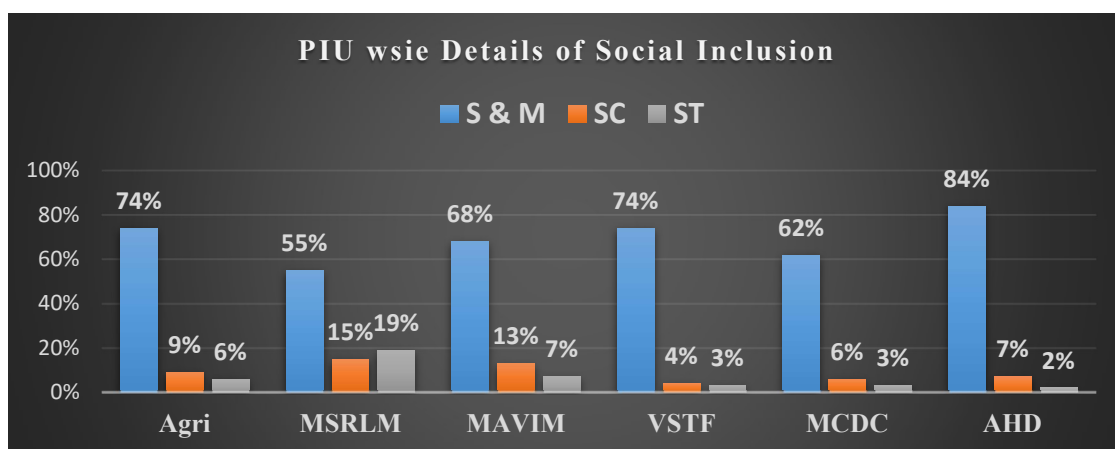
1. Sub-project Implementation: For social and gender inclusion in the FPPs, guidelines have been prepared and issued to CBOs and the undertaking of CBO regarding fulfilment of inclusion targets has been undertaken.

Out of 426 of the approved FPPs, the analysis of 351 CBOs has been done and the observations are as below;

- Membership of female shareholders is 54 percent
- Representation of women as a board of directors is 47% and the percentage of Scheduled Caste and Scheduled Tribe board of directors is 11 and 4 percent respectively.



- The percentage of small and marginal farmer is 70 percent
- The percentage of Scheduled Caste and Scheduled Tribe is 9 and 7 percent respectively

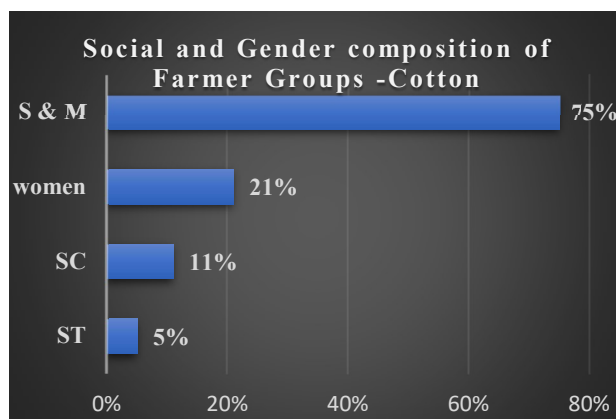


2. Value Chain Development Schools (VCDS): The guidelines for gender and social inclusion in the VCDS has been prepared and issued to all DIUs. The current status of gender and social inclusion in the interventions of VCDS is as below;

- Market –led demonstrations: The percentage of women beneficiary is 40 % and the percentage of Scheduled Caste and Scheduled Tribe beneficiary is 7% and 6% respectively.
- Training with exposures: The percentage of women beneficiary is 41% and the percentage of Scheduled Caste and Scheduled Tribe is 8% and 9% respectively.

3. SMART Cotton:

- The 462 cotton farmer groups have been mobilized. The composition of gender and social inclusion is as below;
 - Women-21%
 - Scheduled Caste farmers-11%
 - Scheduled Tribes farmers-5%
 - Small and Marginal farmers-75%
- Market Led demonstrations -13920 farmers benefited in market led demonstration which cover 20% women, 9% Scheduled Caste and 5% Scheduled Tribes
- Farmer Field Schools: 13408 farmers participated in Farmer Field Schools which covers 20% women, 11% Scheduled Caste and 4% Scheduled Tribes and 76% small and marginal farmers
- Farmer Training: Pre- sowing and pre-harvesting training conducted for farmers. 43396 farmers participated in the training which involves 25% women, 7 % Scheduled Caste and 4% Scheduled Tribes and 68% small and marginal farmers.



E. Grievance Redressal Mechanism:

- Grievance Redressal Officer (GRO) and Appellate Authority (AA) nominated at DIUs, PIUs, RIUs and PCMUs
- Toll Free No. 1800 210 1770 has been operationalized.
- The dedicated email ID for GRM i.e. mahasmart.grm@gmail.com has been created.
- Online Orientation to GROs and AAs on GRM Mechanism completed. 87 members participated. (Female-12 and Male -75)
- Brief description of GRM and information of GROs and AAs of all units is disclosed on SMART Website
- Circular on GRM operational procedure issued to PIUs, RIUs and DIUs.
- The GRM register is maintained at all levels
- Printing of broacher for information dissemination is in process.

- Orientation of Social Management Framework to newly joined staff. 140 staff (M-, 116, F-24) participated in the training.
- Training to Social Management Framework to 21 CBOs (Participants-42, M-38, F-4) of Warehouse Infrastructure



A. Field Visit to Pilot sub-projects:

Field visit to CBOs of pilot subprojects i.e warehouses infrastructure of Aroma Agro Producer Company, Vikas Agro Producer Company and Katpur Agro Producer Company.



B. Social Management Framework Advisory to PIUs:

Social Management Framework Advisory to PIUs has been prepared in Marathi and training of staff PIUs -Agri, AHD, MAIM, MSRLM, VSTF PIU. (participants-65, M-58, F-7) has been conducted.
