

# **OPERATIONAL GUIDELINES**

For

**Promotion of National Agriculture Market (NAM) through  
Agri-Tech Infrastructure Fund (ATIF)**



**Uttam Fasal Uttam Enaam**

**September, 2016**

**Government of India  
Ministry of Agriculture and Farmers' Welfare  
Department of Agriculture, Cooperation and Farmers' Welfare  
Krishi Bhawan, New Delhi**





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Government of India  
Ministry of Agriculture & Farmers Welfare  
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## FOREWORD

While self-sufficiency in agriculture has been a priority for the Government and several policy initiatives weave around this objective, the post harvest management including agricultural marketing has not kept pace with the changes in the economy, particularly relating to setting up of an efficient supply chain. Agriculture Marketing has so far been administered by the States as per their Agricultural Produce Marketing & Regulation Acts. Government of India has taken a major step by launching the National Agriculture Market which is a pan-India electronic trading portal networking the existing APMC and other market yards to create a unified national market for agricultural commodities. NAM is a "virtual" market with a physical market (mandi) at the back end. The NAM Portal will provide a single window service for all APMC related information and services. Online trading of agricultural commodities on e-NAM portal will facilitate real-time price discovery in a transparent manner thereby increasing competition among traders resulting in better remunerative price to farmers. The price discovery will happen in a more transparent & competitive environment.

I am very happy to know that operational guidelines of such an important programme are being released for the benefit of implementing agencies like State / UT Governments, Agriculture Marketing Boards, APMCs / RMCs and other stakeholders.

I am sure these operational guidelines will be useful in achieving the goals of the National Agriculture Market towards enhancing the income of farmers.

  
( S.K. Pattanayak )

Date: October 4, 2016



## **Operational Guidelines for Central Sector Scheme for Promotion of National Agriculture Market (NAM) through Agri-Tech Infrastructure Fund (ATIF).**

### **1. Introduction:**

1.1 Following successive Budget announcements of 2014-2015 and 2015-16 on setting up an “Agri-Tech Infrastructure Fund” and the need to create a National Agriculture Market to increase the income of farmers with incidental benefit of moderating price rise respectively, Government approved a Central Sector Scheme for “Promotion of National Agriculture Market (NAM) through Agri-Tech Infrastructure Fund (ATIF) on 01st July, 2015 with a budget allocation of Rs. 200 crore. The scheme envisages deployment of a common e-market platform in 585 selected regulated wholesale agriculture markets (hereinafter called markets) by March, 2018. The common e-market portal will be called e-NAM.

### **2. Objectives:**

The main objectives of the Scheme are -

- (i) to integrate markets first at the level of the States and eventually across the country through a common online market platform, to facilitate pan - India trade in agricultural commodities;
- (ii) to streamline marketing / transaction procedures and make them uniform across all markets to promote efficient functioning of the markets;
- (iii) to promote better marketing opportunities for farmers / sellers through online access to more buyers / markets, removal of information asymmetry between farmer and trader, better and real-time price discovery based on actual demand and supply of agri-commodities, transparency in auction process, prices commensurate with quality of produce, online payment etc. that contribute to marketing efficiency;
- (iv) to establish quality assaying systems for quality assurance to promote informed bidding by buyers; and
- (v) to promote stable prices and availability of quality produce to consumers.

### **3. Scheme design:**

3.1 NAM is envisaged as a pan-India electronic trading portal, to be managed centrally by a lead implementing agency i.e. Small Farmers’ Agribusiness Consortium (SFAC), which will network 585 selected markets in a span of three years (2015-16 to 2017-18) to create a unified national market for agricultural commodities. NAM is a “virtual” market but it has a physical market at the back end. While one time registration of farmers / sellers, lot details at the entry gate, weighment, quality assaying, auctions / trade transactions, payment by buyers to sellers and other agencies involved in the chain of transaction will take place online on e-NAM, actual material flow will happen physically through the market. Entire arrivals of agricultural commodities selected for trading on e-NAM will be traded on-line only.

- 3.2 The centralized special software to be developed for e-NAM will be offered free of cost to each market which agrees to join the national network and necessary customization will be undertaken to conform to the provisions of the relevant marketing regulations of each State.

#### **4. Eligibility criteria for availing assistance under the scheme:**

- 4.1 The scheme being linked to agricultural marketing reforms, the States / Union Territories (UTs) need to undertake mandatory reforms in their Agriculture Produce Market Committee (APMC) Acts in respect of following three areas to avail the assistance under it -

- (i) single trading license to be valid across the State;
- (ii) single point levy of market fee across the State; and
- (iii) provision for e-auction / e-trading as a mode of price discovery to be facilitated by the State Agriculture Marketing Department / Board / APMCs / Regulated Market Committees (RMCs), as the case may be.

- 4.1.1 In respect of 4.1 (i) above, State/UT must provide, through appropriate legislation / executive order in consonance with the concerned APMC Act / regulation, for issue of single trade license to any eligible person from across India irrespective of one's domicile to enable one to trade through e-NAM portal in the markets across the State / UT.

Further, State / UT must provide for a liberal process of single trade license for wholesale traders / buyers for the entire State & ensure that there are no barriers like prohibitively high security deposits or stipulations regarding minimum quantities to be transacted or requirements of establishment of purchase centre / premise' etc.

- 4.1.2 In respect of 4.1 (ii) above, State / UT must provide, through appropriate legislation / executive order in consonance with the concerned APMC Act / regulation for single point levy of market fee for wholesale trading of same produce across the State i.e., levy of market fee / cess at point of first transaction only in the State. No further market fee / cess / service charge, or by whatever name it is called, should be leviable on subsequent wholesale transaction (s) of the same produce.

- 4.1.3 In respect of 4.1 (iii) above, State / UT must provide, through appropriate legislation / executive order in consonance with the concerned APMC Act / regulation, that State Agricultural Marketing Department / Directorate / Board , as the case may be , and concerned APMC / RMC shall provide necessary legal framework therefor and required infrastructure connected thereto to promote National Agriculture Market (e-NAM).

- 4.2. Proposals from such States / UTs meeting above three pre-requisites received on prescribed pro-forma (Annexure-I) will be considered for sanction of one time grant for purchase of hardware, internet connection, assaying equipments and related infrastructure to make the market ready for plug in with e-NAM platform.

4.3 In addition, States / UTs must also undertake-

- (i) to trade 100 % volume of selected agricultural commodities through e-trading / e-auction in the markets proposed to be covered under e-NAM;
- (ii) to make provision\*\* for Soil Testing Laboratories (STLs) or ensure that markets are linked to STLs located in close proximity;
- (iii) to meet the balance fund requirement towards implementation of e-NAM, if any, over and above that granted by the Project Appraisal Committee (PAC);
- (iv) to bear all future escalations, as may arise after 5 years upon expiry of service agreement with Strategic Partner;
- (v) to bear annual maintenance provisions for the software as may arise after 5 years upon expiry of service agreement with Strategic Partner;
- (vi) to register their implementing agency on PFMS portal (<https://pfms.nic.in>) and intimate the same to Department of Agriculture, Cooperation and Farmers' Welfare (DAC&FW) (hereinafter called Department) along with the bank details etc. to enable transfer of funds.

\*\* Proposals for setting up of STLs may be taken up under the National Mission for Sustainability of Agriculture (NMSA) and RKVY schemes of DAC&FW.

4.4 States / UTs, which either do not have marketing regulation or have one which is not in force, in order to integrate with e- NAM portal and avail grants under the scheme, must identify some institution / organisation and frame appropriate legally enforceable guidelines . The entity so identified may develop the appropriate physical infrastructure required for e-trading on e-NAM at back end and provide required logistic support. Regulatory framework / legally backed guidelines may include all the required facilitatory provisions for trading on e-NAM portal including enlisting / registration of traders / buyers, transaction fee etc.

4.5 The proposals of private markets for providing access to e-NAM portal may also be considered by the Project Appraisal Committee (PAC) provided they are recommended by the competent authority of the concerned State / UT. However, in such cases they must provide for mandi analyst, related hardware, assaying facilities and other support services at their own cost.

## 5. Assistance under the scheme:

- (i) Assistance to APMCs / RMCs is subject to approval of Project Appraisal Committee (PAC).
- (ii) State / UT / their agencies may apply for approval of Detailed Project Reports (DPRs) and grant under the scheme. Proposals for all selected APMCs / RMCs in the State / UT shall be routed through the State Government / UT administration in the prescribed format provided at Annexure-I along with all supporting documents.

- (iii) e-NAM software will be provided to States / UTs free of cost.
- (iv) Department will give grant as one time fixed cost to the States / UTs up to Rs.30.00 lakh per market, based on their DPR for purchase of hardware, internet connection, assaying equipments and related infrastructure to make the market ready for integration with e-NAM platform. State Government / UT / their agencies would bear balance fund requirement, if any, for making arrangement for electronic trading in proposed markets.
- (v) SFAC, the Lead Implementing Agency (LIA), through Strategic Partner (SP) identified for implementation of e-NAM, will depute free of cost one person at each market, for a period of one year to provide day to day hand holding support to stakeholders for its successful implementation. If this support is required to be continued further, concerned market will be required to bear the cost of such person / support. Private markets however will have to bear the cost of mandi analyst from the beginning.
- (vi) Based on the availability of funds and the number of projects submitted by States / UTs, Department may decide to put a cap on the number of markets that may be covered in this scheme from each of the State/UT.

## **6. Approval of proposals and release of assistance:**

- 6.1 The proposals received on prescribed Pro-forma (Annexure-I) from States / UTs and their agencies for integration of their markets with e-NAM shall be scrutinized and considered for sanction of one time grant by Project Appraisal Committee (PAC) under the Chairmanship of the Secretary, DAC&FW. The Committee will have the following composition:
- (i) Additional Secretary (Marketing), DAC&FW - Member
  - (ii) AS&FA, DAC&FW - Member
  - (iii) Managing Director, SFAC - Member
  - (iv) APC/Secretary, I/c Agriculture Marketing of concerned State - Member
  - (v) Joint Secretary (Marketing), DAC & FW - Member Secretary
- 6.2 The PAC will scrutinize the proposals received from States / UTs or their concerned agencies with the assistance of SFAC and Directorate of Marketing and Inspection (DMI).
- 6.3 PAC will sanction the project and release grant.
- 6.4 PAC will guide the States / UTs in all matters related to the implementation of e-NAM and will advise suitable measures / corrective actions, if any, during the course of implementation, keeping in view the overall aim & objective of the scheme.
- 6.5 Chairman, PAC may at his discretion, co-opt any other member to the PAC or to any of its meetings.



## 7. Budget provisions and management:

- 7.1 The scheme provides an initial allocation of Rs. 200 crore and comprises two components-
- one time fixed cost subject to the ceiling of Rs.30.00 lakh per market for related hardware including quality assaying equipment / infrastructure for 585 markets;
  - cost of software for common e-platform and its customization to meet States'/UTs' needs, annual maintenance, data centers, servers, training costs and administrative expenses. The software will be provided free of cost to the States/UTs;
- 7.2 Release of one time fixed grant to the States / UTs for the markets will be made on approval of the DPRs by the PAC and compliance with all observations made by the PAC. Entire grant, as approved by PAC and Integrated Finance Division of Department, will be released in the account of beneficiary / State/UT implementing agency.
- 7.3 States/UTs will be required to submit Utilization Certificate in the form of GFR 19A, within a period of one year in respect of the grant released to them.
- 7.4 The funds received under the Scheme cannot be utilized for any purpose other than for integration of the approved markets with e-NAM and no diversion of funds is permitted.
- 7.5 The scheme will be subject to audit by Comptroller and Auditor General (CAG) of India.

## 8. Role of various Agencies:

- 8.1 Small Farmers Agribusiness Consortium. (SFAC): SFAC has been appointed as the lead agency for implementation of National Agriculture Market by the Department. SFAC will implement e-NAM with support from Strategic Partner (SP) selected by the Executive Committee of SFAC headed by Secretary (DAC&FW). M/s Nagarjuna Fertilizers and Chemicals Limited, (NFCL) has been appointed as SP for a period of 05 years from the date of signing the contract agreement i.e. 23.12.2015 to develop and maintain e-NAM Portal. SFAC will hire Consultants and support staff on contract basis and will set up a dedicated Project Management Unit (PMU) manned with subject matter specialists, to facilitate the implementation of the platform. In its role as L.I.A., SFAC will carry out all administrative and management functions with respect to implementation including-
- scrutiny of DPRs submitted by the States / UTs for integration with e-NAM and submission of its recommendations to PAC with respect to fulfilling various requirements as stipulated in Annexure – I (attached hereto) other than those related to regulations and reforms in agricultural marketing for sanction of one time grant.
  - co-ordination with S.P., States / UTs, concerned APMCs / RMCs and other stake holders;
  - co-ordination with NIC for the technical support required from time to time;
  - co-ordination with DMI for formulation of tradable parameters to facilitate quality assaying

of notified commodities to be traded on e-NAM platform, quality assaying procedures and training material required to train and orient various market functionaries;

- (v) periodic review and monitoring the progress of the implementation of e-NAM project;
- (vi) to consider the requests of States / UTs in consultation with the Department and DMI for adding new commodities for trading on e-NAM platform from time to time and advise the SP for inclusion of such commodities;
- (vii) review and monitor integration of markets as per targeted timelines;
- (viii) co-ordination with SP and Banks for integration of online payment gateway with e-NAM platform and also coordination with Department in implementation of NAM ;
- (ix) handle all legal matters arising out of NAM implementation in consultation and coordination with the Department and
- (x) carry out any other responsibility assigned by the Department from time to time.

8.2 **Directorate of Marketing and Inspection (DMI):** DMI, an attached office of the Department will provide assistance on following matters-

- (i) scrutiny of the DPRs submitted by the States / UTs and assist PAC with respect to regulatory and reforms aspects as stipulated in Annexure –I (attached hereto);
- (ii) formulate and recommend tradable parameters, for the notified agri-commodities proposed to be traded on e-NAM, to the Government for its approval;
- (iii) provide technical advice/support to the State Agricultural Marketing Department / Directorate /Board/ APMC/RMC for establishing quality assaying laboratory and related apparatus and issues incidental thereto;
- (iv) frame and release required standards and specifications for assaying laboratories; manpower requirements and other activities incidental thereto;
- (v) equip human resource and lay down the procedures for approval of assaying Laboratories; and
- (vi) assist SFAC on any technical issues relating to marketing and status of marketing reforms in the various States.

8.3 **National Informatics Centre (NIC):** National Informatics Centre (NIC) as technical partner of the Department will be responsible for-

- (i) hosting of e-NAM software on Meghraj cloud;
- (ii) providing and maintaining all the necessary infrastructure including virtual machines (servers), base operating systems, firewall, load balancers, SMS and email services etc. as per policies of NIC / DeitY applicable from time to time;

- (iii) extending all support services necessary to ensure uninterrupted functioning of the e-NAM platform on Meghraj cloud;
- (iv) providing technical advice to SFAC on Functional Requirement Specifications (FRS) Software Requirement Specifications (SRS), Process Design Document (PDD) and evaluation of change request including efforts and cost involved;
- (v) NIC will serve as a member of the project monitoring committee for all technical aspects of the project;

8.4 **Strategic Partner (SP):** The S.P. will design, develop, test, implement, maintain, manage, enhance and modify the set of applications and modules of e-NAM platform. SP is responsible for implementing e-NAM, in the selected markets of different States / UTs in an effective and time bound manner. The role and activities of SP as described in the Request for Proposal (RFP) inter alia, includes-

- (i) to design, develop and implement e-NAM platform, which will comprise following major modules-
  - a) masters and administrations;
  - b) gate entry – exit management;
  - c) lot management;
  - d) quality assaying management;
  - e) bid management;
  - f) e-tender / e-auction portal;
  - g) weighment integration;
  - h) sale agreement and sale invoice;
  - i) payment gateway integration;
  - j) email / SMS integration; and
  - k) reports and MIS.
- (ii) to ensure that application including its entire functionality is running and is available at all times as per the criteria defined in RFP;
- (iii) fixing of software faults in a time bound manner as described in RFP;
- (iv) maintenance of the complete code base of e-NAM platform including all versions of the software, system documentation in all respects as described in RFP and up gradation of the code base;

- (v) processing of data requests received from SFAC in time bound manner;
- (vi) modification and enhancements in software within agreed time frame and system integration testing;
- (vii) maintenance of application performance as per scope of work;
- (ix) provide ground level support to SFAC and markets by deploying support staff as detailed in the RFP / agreement;
- (x) SP will set up a help desk that will answer queries and handle/escalate issues reported by the users during business hours. The help desk shall function on all days on which markets are functional;
- (xi) training and education services: The training and awareness material will be prepared by SP in consultation with DMI and SFAC and will be revised / upgraded regularly. SP will also train market related officials, farmers, commission agents, traders, employees of markets, data entry operators and such others as may be necessary for successful operation of e-NAM;
- (xii) marketing and usage of the portal: SP shall carry out appropriate promotion and marketing activities to enhance acceptability and usage of e-NAM portal amongst various stakeholders;
- (xiii) generation of reports: SP shall make suitable provisions in the e-NAM software to provide /generate such daily and periodic MIS reports as may be required by various stake holders viz. SFAC, DAC&FW, APMCs etc. from time to time.

**8.5 State Governments / UT Administration:** State/UT Agricultural Marketing Department/ Directorate/Agricultural Marketing Boards in accordance with the powers vested in them shall ensure-

- (i) that necessary regulatory framework and mandatory reforms as stipulated under eligibility criteria at 4.1 above are adequately provisioned in respective State's/UT's marketing laws to facilitate unhindered operation of NAM. They shall also put in place all needed facilities and support to undertake on-line trading of notified agricultural produce on e-NAM; platform;
- (ii) that APMCs /RMCs integrated with e-NAM have all infrastructural facilities like hardware, internet connectivity, e-auction hall, assaying laboratory, required manpower, training and awareness , etc. as needed to implement e-NAM;
- (iii) that well structured Dispute Resolution Mechanism (DRM) is put in place for handling the disputes arising out of transactions on e-NAM;

- (iv) that APMCs / RMCs adopt best practices;
- (v) that market outreach is enhanced, farmers' transportation costs are reduced, by notifying warehouses/cold storages with infrastructure and facilities, as prescribed, preferably by the Warehousing Development and Regulatory Authority (WDRA) shall be declared as market sub-yards to function as delivery and sale point. The minimum infrastructure and facilities may include existence of adequate safety, internet, sorting, cleaning, grading and quality assaying lab etc. Further, on-line trading of Negotiable Warehouse Receipts (NWRs) issued by WDRA registered warehouses under Negotiable Warehouse Receipts System (NWRS) also needs to be promoted;

**8.6 State Agriculture Marketing Board (SAMB) / Directorate of Agricultural Marketing:** SAMB / Directorate of Agricultural Marketing shall facilitate APMCs/RMCs to implement e-NAM in an efficient and effective manner by-

- (i) ensuring availability of required manpower at the APMCs / RMCs;
- (ii) by constituting suitable institution / organization / special cell for close monitoring of the implementation of e-NAM platform;
- (iii) by making available adequate cleaning, sorting, grading and quality assaying facilities;
- (iv) by putting in place well structured Dispute Resolution Mechanism (DRM) for handling disputes arising out of transactions on e-NAM;
- (v) by encouraging APMCs/RMCs to link more and more number of markets to get connected with e-NAM;

**8.7 Agriculture Produce Marketing Committee/Regulated Market Committee (APMC / RMC):** APMCs / RMCs shall-

- (i) provide infrastructural facilities and services relating to registration, cleaning, sorting, grading, assaying, IT, internet connection of minimum 5-10 MBPS (indicative requirements of hardware and internet connectivity is given in annexure –II),
- (ii) carry out training and awareness programs and one time registration of farmers, Commission agents, Traders and other service providers like weighman, packaging, loading unloading personnel etc and also KYC verification thereof including bank accounts registered for online transfer of payments;.
- (iii) provide facilities for installation of computer hardware/printers along with UPS/generator to ensure availability of uninterrupted power supply, cabling, setup and configuration of LAN;
- (iv) make available room/desk/space for support staff deployed for successful rollout and also operation and maintenance of e-NAM for initial hand holding of market functionaries;

- (v) set up e-auction hall equipped with computers for uploading of buy quotes / bids by traders and large Monitor / Projector with Internet access. Concerned APMC / RMC would further be required to provide suitable space for training sessions for farmers, traders, commission agents and market staff to be organized from time to time;
  - (vi) set up Quality Assaying Laboratory with skilled manpower to ensure quality assaying of produce offered for sale on e-NAM compulsorily. Such labs shall be approved by an Agency notified by the Department/ State;
  - (vii) promote third party assaying labs duly approved by an agency notified by the Department / State;
  - (viii) put in place a system of quality assaying wherein no farmer is charged for the assaying services;
  - (ix) provide at least one electronic weighbridge of appropriate capacity within market yard premises. In addition, such APMC / RMC may also notify electronic weighbridges outside market premises, whose weight certificate of empty / loaded truck/ trolley and gross weight will be valid for on-line trading of commodities on e-NAM platform;
  - (x) take necessary steps to integrate the entire market operations right from gate entry till exit of transacted commodity. As, eventually, especially for out station buyers, logistics would be an important consideration, APMC / RMC would do well to ensure that an efficient and cost effective logistics are available for the clients of the market. APMC / RMC should also provide all logistic support of storage and incidental thereto for unsold agricultural produce, sold produce to be dispatched or produce brought for selling through e-NAM platform requiring such support inside the market premises on minimal charge basis.
  - (xi) provide a suitable dispute resolution mechanism in respect of assaying, weighment and e-payment related matters and issues incidental thereto, reported by sellers, buyers and other service providers with respect to trades on e-NAM at APMC / RMC level.
9. **Clearing and Settlement:** Once the trade has been confirmed, primary invoice will be generated automatically by e-NAM software which can be accessed by the traders from the respective dashboard or from the one sent to the winning bidder on email / SMS or manually etc. The winning bidder will deposit the amount calculated as per the sale agreement, which will include market fee, commission agent's charges, loading / unloading / packaging charges etc., as applicable. Winning bidder will be able to deposit the amount on-line into a settlement account using RTGS /NEFT or through on-line payment gateway provided on e-NAM. Once the funds are received by e-NAM, a confirmation message will be sent to the Farmer- Seller / Commission Agent. Depending on the terms of delivery, the winning bidder will be required to take the delivery of goods at the APMC market either by himself or through an authorized agent or logistics provider. Buyer can also request the Commission Agent / Seller to dispatch the goods through a transporter identified by him on "Freight to Pay" basis at his own risk

and cost Freight, insurance charges etc. to be paid by the buyer. Funds due to be paid to the Farmer- Seller / Commission Agent and other beneficiaries like APMC, service providers etc. will be transferred to their respective bank accounts registered with e-NAM after acceptance of delivery by the buyer or his representative within 1 (one) business day by the bank operating the e-NAM account upon on-line approval from concerned APMC.

10. These guidelines are illustrative not exhaustive; and to provide only the basic tenets of the scheme. However, the guidelines may undergo revision from time to time as and when required.
11. In case of any dispute relating to these guidelines, the interpretation of Department shall be final & binding on all concerned parties.

**Format for Submission of Detailed Project Report (DPR) by States for availing one time grant under Agri-Tech Infrastructure Fund (ATIF) for integration of mandis with National Agriculture Market (NAM) platform.**



## Section A: State Name and Contact Details

1. Name of State:
2. Contact Person:
3. Phone / Fax no. of contact person:
4. Email Address of Contact Person:

## Section B: Prevailing Legal Framework in the State

1. Legal Framework of Agriculture Marketing:
  - 1.1. Full Title of APMC Act (if any) :
  - 1.2. Status of Rules framed for Marketing of Agri-Produce in the State (if any)<sup>1</sup>:

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<sup>1</sup>State has to provide documentary support i.e. APMC Act / Rules in force with the amendments if any issued from time to time with respect to provisions given below, in their APMC Act, which are mandatory to integrate with the NAM platform

- a. Provision of electronic trading of Agri-produce.
- b. Issue of trade license to anyone in India/State valid across all markets of the State.
- c. Single point levy of transaction fee within the state

The relevant sections shall be highlighted by the state for quick identification.

### Section C: Identification of Single Window Clearance System for NAM

State shall provide confirmation to setup a single window clearance system for all matters related to implementation of NAM and shall identify the nodal officer for the same

1. Nodal officer:
2. Phone / Fax no. of Nodal officer:
3. Email Address of Nodal officer:

### Section D: List of Markets proposed to be integrated with NAM :

S.N.	Name of Mandi	Location	Major Produce Marketed	Produce planned to be marketed through NAM	Category of Mandi <sup>3</sup> (Gen/ SC/ST)

<sup>2</sup> If a market handling both perishable and non-perishable produce, is planned to be plugged in, only non-perishable commodities shall be added in the first phase in NAM. The information requested in sections E to H below should be provided.

<sup>3</sup> State shall indicate the category of market as 16.2% and 8.0% assistance is reserved for SCPSC and TSP categories. Hence mandis shall be chosen accordingly. Categorization of mandis, for the purpose of booking of expenses for incurring expenditure under SCPSC or TSP allocation, may be made on the basis of the geographical location of the market. If it comes under a reserved Parliamentary Constituency or reserved State Assembly Constituency, as provided under the Representation of People Act, 1950, it may be treated as a reserved market (SC or ST) In case a mandis falls under two Parliamentary / State Assembly Constituency and one of which comes under reserved category, the benefit may be extended irrespective, to the larger delimitation.

Information required in sections A to D shall be provided at the state level, while those in sections E to H shall be provided separately for each of the market.

### Section E: Market Name & Contact Details (Information in the format below has to be provided for each market listed in section D)

1. Mandi Name:
2. Mandi Location:
3. Contact person:
4. Contact telephone:
5. Contact email:

### Section F: Existing Market Profile

Heading	Sub-heading	Unit\$	Quantity
Area of Mandi		Acre	
Number of Entry only Gates			
Number of Exit only Gates			
Number of Entry/Exit Gates (gates that allow both entry & exit)			
Produce/commodities handled during last year			
	Produce 1	Metric Ton	
	Produce 2		
	Produce 3		
	.....		
	.....		
	.....n		
Produce/commodities handled during peak period per day			
	Produce 1	Metric Ton	
	Produce 2		

Heading	Sub-heading	Unit\$	Quantity
	Produce 3		
	.....		
	.....		
	Produce..n		
Estimated Peak number of farmers/day		Nos.	
Estimated Peak number of traders/day		Nos.	
No. of Licensed Commission Agents		Nos.	
No. of Licensed Wholesalers/Traders		Nos.	
Existing Infrastructure	Office buildings	Sq. feet	
	Auction hall	Sq. feet	
	Ware house	Nos.	
		Sq. feet	
	Auction Sheds	Nos.	
		Sq. feet	
Equipments available for sorting/grading if any	Equipment 1	Nos.	
	Equipment 2		
	.....		
	Equipment..n		
Equipments available for assaying/ Quality Checking	Equipment 1	Nos.	
	Equipment 2		

Heading	Sub-heading	Unit\$	Quantity
	.....		
	Equipment n		
Average no.of Samples Checked / day	Produce 1		
	Produce 2		
	.....		
	Produce n		

**Weigh Bridge available inside market premises if any\***

S.N.	Type (Electronic / Manual)	Capacity

\* If not, location of nearest weigh bridge

Name of operator:

Capacity :

Distance from mandi :

### Prevailing Practices on grading / assaying

Produce	Parameter Tested	Grading / Assaying details@
Produce 1	Parameter 1	Grade A limit
Grade B limit		
	Parameter 2	
	Parameter 3	
	.....	
	.....n	
Produce 2	Parameter 1	
	Parameter 2	
	Parameter 3	
	-----n	
Produce ....n		

@ If applicable

### Section G: Produce planned to be marketed through NAM

S.N.	Produce
1	Produce 1
2	Produce 2
3	Produce 3
4	.....n

**Section H: Details of Hardware / Assaying Equipments Required with Cost Estimates to make market ready for plug in to NAM platform.**

Heading	Sub-heading	Unit Rate (Rs.)	Quantity Nos.	Total Cost (Rs.)
Computers	Entry Gate			
	Exit Gate			
	E-Bidding Hall			
	Kiosk			
LAN Network	LAN Cable (Cat 6/Optical fibre) Qty in Meters			
	Wi-fi routers			
	Network switches required			
	Other accessories			
	Cost of installation			
Registration Aids	Multipurpose printers (Printer, Scanner, Photocopier)			
	Number of Web-cams required (required for registration at entry gate)			
Power Back up Equipments	UPS with capacity			
	Generator with capacity			
Other infrastructure	Display screen/ projector for Auction Hall			
	ACs (including Tonnage)			
	Broad band / internet connection(Leased line)			
Assaying Equipment Required*	Equipment 1			
	Equipment 2			

Heading	Sub-heading	Unit Rate (Rs.)	Quantity Nos.	Total Cost (Rs.)
	Equipment 3			
	.....n			
Any other item required	Item 1			
	Item 2			
	Item...n			
<b>TOTAL COST INR</b>				

\*Provide details of produce which would be handled using this said equipment.

- Whether States have sent proposals for setting up of Soil Testing Laboratories in the selected markets for funding under Soil Health Management of National Mission for Sustainable Agriculture.



### Infrastructure required at market level:

#### Hardware requirement:

NAM Portal can be operated on any device, i.e. Desktop, Laptop, Tablet and Mobile phone (through application). The recommended specifications in terms of CPU, RAM, Hard Disk (for computing devices), Printers (Dot Matrix, Laser, thermal etc.) are as under:

**a) Computer / Lap Top:**

Latest Generation Core i3 CPU, 4 GB of RAM will suffice with MS Windows operating System.

**b) Tablet:**

Any prevalent Android tablet with Kitkat or above version will suffice.

**c) Printer:**

For Gate operations: Thermal Printer

For transactional output: Dot Matrix Printer

For Reports: Wide Carriage dot Matrix Printer / Line Printer / Laser Printer

**d) Network:**

For internet connectivity any broad band connection with overall 5-10 Mbps speed (depending on number of systems deployed and users)

For internal network (LAN) – Wi Fi Setup covering entire mandi premises.

For Back up Network: Data Cards at critical stations (Gate, Trading hall and MIS Seat)

**e) UPS:**

To be estimated based on the number of systems installed, minimum back up time (Battery requirement) to be decided basis power outage scenarios)

**f) LED Display / TV for online display of prices and auction results (device selection is dependent on the individual APMCs choice)**

**g) Base Software:**

Windows Operating System (Desk Top / Laptop), MS office (or equivalent application for importing reports in spread sheet format) Anti-virus etc.

#### Supplementary Infrastructure:

Electronic Weigh Bridges, Firewall, Display Boards, Television, Public address system, Projector etc.

#### Lab Equipments :

Lab equipments have two categories – Standard for Moisture Meter etc. and Commodity Specific which is primarily dependent on the commodities being handled by the respective APMC markets.





