संयुक्त सचिव
भारत सरकार
कृषि मंत्रालय
(कृषि एवं सहकारिता विभाग)
कृषि भवन, नई दिल्ली-110114

**Joint Secretary
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Dear

   I am glad to inform you that the Government of India has approved implementation of the National e-Governance Plan - Agriculture in the Centre and in 7 States in Phase – I for a sum of Rs. 227.79 crore. These seven states are Assam, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh & Maharashtra.

- Delivery of services to various stakeholders shall be done through multiple modes including Government Offices, Internet Touch Screen Kiosks, Krishi Vigyan Kendras, Kisan Call Centres, Agri-Clinics, Common Service Centres and Mobile Phones (Broadcast, IVRS, Voice-recognization and Interactive Messaging, using USSD i.e. Unstructured Supplementary Service Data). Comprehensive Agriculture Portal and State Agriculture Portals developed under this Project will not only standardize and facilitate data flow within and outside the State, but will also capture best features of various applications already implemented in different parts of the country.

- Common applications (with adequate provision for localization) with respect to **12 clusters of services** listed in **Annexure – I** are to be developed and implemented down to the block level in the selected 7 States within a period of 9 months from now.

- **National Informatics Centre (NIC) has been selected** as an agency to develop the Solution Design and System Requirement Specifications

CLUSTER OF SERVICES

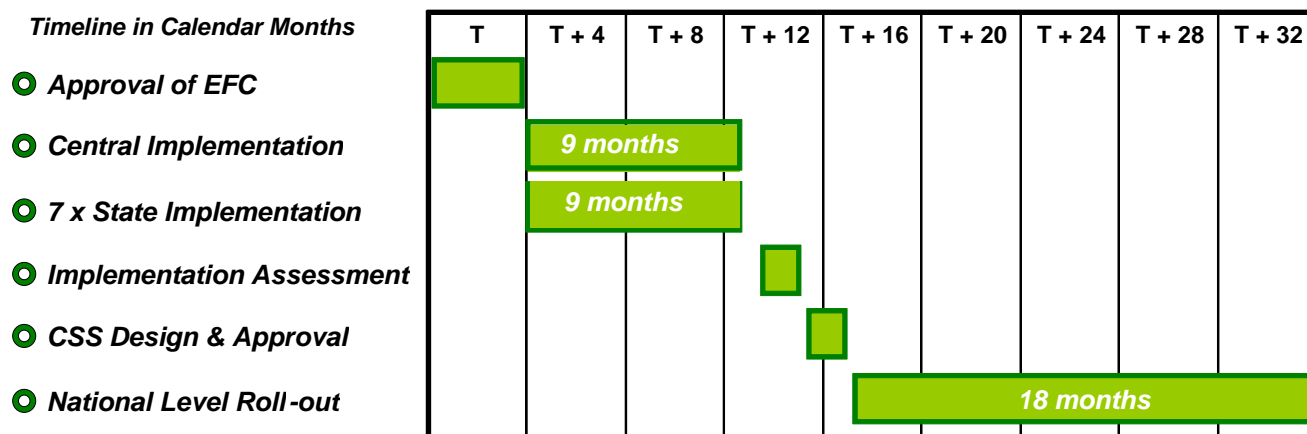| S.No.	Service	Service Description
1	Information on Pesticides, Fertilisers and Seeds	This service aims at providing information on good agricultural practices, prevalent prices and availability in an area closest to the farmer, information on dealer network, quality control and assurance mechanism for Pesticides (including insecticides), Fertilisers and Seeds. The service will also automate registration and licensing for manufacturing and marketing of pesticides and fertilisers and process of license to retail seeds, log sale transaction records for different seed varieties down to the district level, process registration of seed growers and certification of seeds, publicly display quality testing of the samples drawn for pesticides, fertilizers and seeds. It will also provide expert advice and grievance management related to pesticides, fertilisers and seeds through multiple service delivery channels to the farmers.
2	Providing information on soil health	This service aims at providing information on soil health conditions, Package of Practices suitable to the soil type, balanced use of fertilizers, automation of soil testing labs for quick dissemination of results, soil surveys, organic farming, details of soil testing labs, expert advice and grievance management through multiple service delivery channels to the farmers. Farmers would be able to get information on recommended doses based on the recommendations of University or IISS formulae. Results of the front line demonstrations conducted on different crops for proving efficacy of soil health management would be listed for different agro climatic zones. Farmers will also be advised about right kind of seeds of the same crop or an alternative crop depending on expected yield and maturity period after considering soil condition and other agro-climatic parameters.
3	Information on crops, farm machinery, training and Good Agricultural Practices (GAPs)	This service aims at providing information on agronomic practices for different crops as per the recommendations of the Scientific Institutions. Such practices would inform about the week by week calendar of activities from pre-sowing to harvesting stage of crop cycle. Best practices for each crop stage for management of plant population, crop stand and monitoring of pests and diseases. Service would be provided through automation of dissemination of

S.No.	Service	Service Description
		information of pest roving survey, expert advice on different aspects of crop management and grievance management through multiple service delivery channels to the farmers. It will also provide information services addressing farm machinery availability, quality and guidance to farmers. It also aims to provide digital tool-kits to trainers and progressive farmers using ICT, and SMS based alerts on training calendar. In addition, the service aims at collecting, storing, indexing and disseminating information on Good Agricultural Practices generated by farmers, research institutions.
4	Information on forecasted weather	This service aims at providing disaggregated district/block level information in each agro-ecological sub-region on forecasted weather, agro-met advisory, SMS alerts for weather forecast and crop impact and grievance management through multiple service delivery channels to the farmers.
5	Information on prices, arrivals, procurement points, and providing interaction platform	This service aims at providing information on prices, including minimum support prices (MSPs), SMS based information on MSPs, crop quality associated with MSP and historic prices. It will also provide information on arrivals of different standardized commodities at the market yards, SMS alerts for prices, arrivals and commodity indices, SMS alerts and expert advice on issues related to future prices and arrivals trends and mechanism for grievance management. It will also provide an e-platform for marketing of agricultural produce, SMS based alerts for buyers and sellers and details of transporters.
6	Electronic certification for exports & imports	This service aims at providing information on certification procedure, fees, competent authorities; automation of certification process on a work flow basis, SMS based status alerts and mechanism for grievance management.
7	Information on marketing infrastructure	This service aims at providing information on Marketing infrastructure at the Regulated Market Yards, Post Harvest facilities available at the yards. This service also aims at providing information on storage infrastructure like availability, capacity and fees for storages / warehouses of both the private and public sector. This service will also address the information needs of the

S.No.	Service	Service Description
		farmers on credit linkages.
8	Monitoring implementation / Evaluation of schemes & programs	This service aims at providing information on schemes and programs implemented at the state with respect to physical progress and fund utilization, automation of issue and submission of utilization certificate and mechanism for grievance management. It will also provide information on list / categories of beneficiaries and will help remove duplication by codifying and linking them with Land Records database. This service will also provide the facility to common public and government officials to search for relevant information using customizable queries. Monitoring mechanism for each scheme would be defined and the reports of the monitoring teams would be posted at the end of the scheduled work. Evaluation reports would be listed for different schemes for the past five evaluations. There would be calendar of activities listed for approaching and ongoing evaluation work.
9	Information on fishery inputs	This service aims at providing information on good practices for fish farming, efficient use of feed material etc, dealer network, quality control, fishermen safety, fish diseases, schemes for fishermen and fish production statistics, automation of fish seed grower registration, vessel registration, expert advice and mechanism for grievance management.
10	Information on irrigation infrastructure	This service aims at providing information on water release schedule, best practices on irrigation, web based interface for selection of beneficiaries under amended NREGA clause, information on ground water, availability and viability of tube wells etc in an area, water level in reservoirs and likely area of different crop mixes that can be irrigated from it, irrigation equipment, expert advice and mechanism for grievance management. The service would list the command area created planned and actually serviced at the end of each crop season under different projects including the Government Tube wells, Lift irrigation and Canal irrigation (including information on distribution network in a command area).
11	Drought Relief and Management	This service will provide information on past / present trends and management by linking with inputs from the States and expert bodies such as Space Application Centre, National Remote Sensing Centre, Indian Meteorological

S.No.	Service	Service Description
		Department etc. Drought Management Information System will also be upgraded to make it Tehsil centric and, if possible, convert the information to GIS. The service will provide a template for online submission of memorandum on drought relief under NCCF based on the manual of drought management published by the Department. A template for the report of the Central Team would also be prepared for online submission of the report. Decision making tools would be backing the report for making recommendations. It will also provide relevant information through up-gradation of Drought Management Information System and linkages with efforts of Department of Space.
12	Livestock Management	This service will provide information on livestock management related activities at the state level; It also aims to provide information and expert advisory on live-stock during normal circumstances and also during drought; it will also provide information on availability of fodder in the nearest region of the farmer.

TIMELINES

1. Phase I - Implementation at Central Level

2. Phase I - Implementation in seven identified states

3. Phase I - Assessment & CSS Design for all-India roll-out

4. Phase II - National Roll-out of CSS to other States (a separate EFC for Phase-II will be moved)

Timeline in Calendar Months	T	T + 4	T + 8	T + 12	T + 16	T + 20	T + 24	T + 28	T + 32
Approval of EFC	■								
Central Implementation		9 months							
7 x State Implementation		9 months							
Implementation Assessment				■					
CSS Design & Approval					■				
National Level Roll-out						18 months			

SR	Activity	Timeline
A	**IMPLEMENTATION PRE- PLANNING**	
A1	Approval of EFC Scheme for NeGP-A	T
B	**IMPLEMENTATION (CENTRAL LEVEL)**	
B1	Development of SRS for Central Segment	T + 2 months

SR	Activity	Timeline
B2	Approval of SRS for Central Segment; Selection of Hardware Vendor by DAC Site Readiness for installation of Hardware	**T + 2.5 months**
B3	Installation of Hardware by Hardware Vendor	**T + 5 months**
B4	Application Development for Central Segment ;	**T + 7 months**
B5	User Acceptance Testing, Completion of Data Migration	**T + 8 months**
B6	Pilot Run, Training of manpower at Central level Digitisation of Content	**T + 8.5 months**
B7	Complete Implementation / Deployment / Stabilisation including required software and hardware for Central Segment (Go-Live) at all locations	**T + 9 months**
B8	**Operations & Maintenance and Support Phase**	**(T + 9 months) Onwards**
C	**IMPLEMENTATION (STATE LEVEL)**	
C1	Development and Approval of SRS for State Segment; Completion of Data Digitisation	**T + 2 months**
C2	Approval of SRS for State Segment;	**T + 2.5 months**
C3	Completion of Civil Infrastructure and Site Preparation (by State Agriculture Department)	**T + 3 months**
C4	Installation of Hardware by Hardware Vendor	**T + 5 months**
C5	Application Development for State Segment Installation of Hardware by Hardware Vendor at District / Blocks	**T + 7 months**
C6	User Acceptance Testing & Stabilization by NIC Completion of Data Migration / Digitisation	**T + 8 months**

SR	Activity	Timeline
C7	Pilot Run, Training of manpower at State / District and Block level	**T + 8 .5 months**
C8	Complete Implementation/ Deployment of required software for State Segment (Go-Live) and application stabilisation at all locations	**T + 9 months**
C9	**Operations & Maintenance and Support Phase**	**(T + 9 months) onwards**

FORMAT FOR DATA REGARDING EXISTING HARDWARE

Note: Please mention details of computer hardware procured under any Scheme of the Government of India or the State Government from the year 2009 onwards. Hardware under NeGP-A shall be provided after taking into account the existing availability

Name of the State:

Please fill following 3 parts for Agriculture, Horticulture and fisheries departments separately.

1. **STATE LEVEL:**

S.No.	Hardware Component	Very Brief Configuration / Model	No. of Units
State Headquarter			
1.	Servers		
2.	Personal Computer		
3.	Printers		
4.	UPS		

2. **DISTRICT LEVEL:** (Mention clearly the total number of districts having separate set up of Horticulture and Fisheries)

S.No.	Hardware Component	Existing Setup	No. of Districts	Remarks (e.g. brief configuration etc. may be given stating year-wise purchases)
1.	Servers	1 Unit		2009:
		2 Units		
		3 Units		
2.	Personal Computer	1 Units		

		2 Units		
		3 Units		
		4 Units		2010:
		5 Units		
3.	Printer	1 Units		
		2 Units		
		3 Units		
		4 Units		
		5 Units		
4.	UPS	1 Units		2011:
		2 Units		
		3 Units		
		4 Units		
		5 Units		

3. **BLOCK LEVEL:** (Mention clearly the total number of districts having separate set up of Horticulture and Fisheries)

S.No.	Hardware Component	Existing Setup	No of Blocks	Remarks (e.g. brief configuration etc. may be given stating year-wise purchases)
1.	Personal Computer	1 Unit		2009:
		2 Units		
		3 Units		
2.	Printer	1 Unit		2010:
		2 Units		

S.No.				
		3 Units		
3.	UPS	1 Unit		2011:
		2 Units		
		3 Units		

4. Assessment

Please provide information in the following format

State Headquarter					
S.No.	Location	Total No. of Offices	No. of Connected Offices		Offices with No Connectivity
			SWAN	Broadband	

1	State HQ				
2	Attached Offices				
3	External Locations				

Zonal/Divisional Set up

Location	Total No. of Offices	No. of Connected Offices		Offices with No Connectivity
		SWAN	Broadband	
Divisional Head Office				
Attached/Allied Offices (if any)				

District Setup

Location	Total No. of Offices	No. of Connected Offices		Offices with No Connectivity
		SWAN	Broadband	
District Head Office				
Attached/Allied Offices (if any)				

Sub-Division Setup				
Location	**Total No. of Offices**	**No. of Connected Offices**		**Offices with No Connectivity**
		(SWAN	**Broadband**	
District Head Office				
Attached/Allied Offices (if any)				
Block Setup				
Location	**Total No. of Offices**	**No. of Connected Offices**		**Offices with No Connectivity**
		SWAN	**Broadband**	
Block Head Office				
Attached/Allied Offices (if any)				

NORMS FOR PROVIDING COMPUTER HARDWARE AT STATE LEVEL

Item	Units			
	State AgricultureDepartment	**State Agriculture University**	**District**	**Block**
PCs & System Software				
Desktop	20	20	5	3
Printer-cum-Scanner	5	5	1	1
Open Office	20	20	5	3
Networking				
Switch	1	1	1	1
Passive components &Labour	Cables, jacks etc	Cables, jacks etc	Cables, jacks etc	Cables, jacks etc
Router	0	0	0	0
Modem	0	0	1	1
UPS (650VA)	20	20	5	3
Touch Screen Kiosk	0	0	1	0.5

Notes:

1. Two State Agricultural Universities per State have been considered
2. 5 Computers at District level are to be distributed among Agriculture, Horticulture and Fisheries (wherever applicable) Depts.
3. 3 Computers at Block level are to be distributed among Agriculture, Horticulture and Fisheries (wherever applicable) Depts.
4. Network Switch at the State Agriculture Department and district level will be of 24 ports while that at the block level will be of 8 ports.
5. At the block level, a 650 VA UPS with 400 VAH back-up has been taken into account to provide back-up for upto 2 hours
6. At the block level, one Touch Screen Kiosk per two Blocks has been considered
7. Locations having higher number of UPSs should preferably go in for online UPS.

NORMS FOR MANPOWER DEPLOYMENT

Item	Units			
	State Agri Dept	State Agri University	District	Block
Data Entry Operator	4	2	2	1
State PMU Consultants	3	0	0	0

Notes:

1. Data Entry Operators have been provisioned for a period of 3 year.s
2. Data Entry Operators will not just provide support in data entry but will also provide handholding to the officials of Agriculture Department at the State, District and Block level.
3. The remuneration for the operators at all levels (state department, state HQ, district and block) has been estimated with an average of Rs. 90,000 per annum
4. State will need to share the cost for data Entry operators (0%, 30% & 50% State share during first 3 years)
5. State Project Management Unit (PMU) Consultants could be hired for a maximum period of 30 months. These Consultants could be from the following domains:
    a. IT Consulting with expertise in Software Development Life-cycle
    b. Hardware and Networking;
    c. Training, Change Management and Awareness &Communication
6. The Consultants for PMU should be hired as per DIT, Government of India norms.
7. **Qualification and experience preferred for Data Entry operators**
   - Graduation in any field
   - Good knowledge of computers (data processing, office automation, Email)
     i. Operation of large and small scale electronic data processing systems
     ii. Command languages for multiple processing platform system software and related peripheral equipment.
   - Post Graduate Diploma in Computer Applications or any other renowned certification is

     desirable

   - At least 1 year of experience is necessary

Norms for Infrastructure Set-up

(All Values in Rs.)

Item	Units			
	State Agri Dept	**State Agri University**	**District**	**Block**
State Data Centre (Civil & Electrical)	150000	NA	NA	NA
State Data Centre (Access Control)	200000	NA	NA	NA
Site Preparation Cost	100000	100000	75000	67000
Site Preparation for Training Centre	NA	NA	94600	NA

Notes:

1. Site Preparation Cost at the District and Block level may be apportioned by the State Govt. among Agriculture, Horticulture and Fisheries Office as per the need on the ground.
2. The state is to contribute 45 % of the funds required for Site preparation except sites for the Training Centres which will be funded fully by the GoI
3. Site preparation cost will include the furniture if any required for computers to be deployed at the Each level and Electrical work (including cabling, electrical switches, electrical sockets etc) to cater for 5computers and touch screen kiosk.

CATEGORIES OF DATA THAT NEEDS TO BE DIGITISED

1. Good Agriculture Practices

2. Package of Practices

3. Quality Control and Assurance documents for Pesticides, Fertilizers, Seeds and Fish Seeds

4. Information related to seed varieties

5. Information related to soil health

6. Information related to balanced use of fertilizers

7. Information on Crop Diseases

8. Information on Pest Prevention and Cure Measures

9. Information related to forecasted weather

10. Information related to Agro-Met Advisory for crops covered

11. Information related to prices and arrivals of agricultural commodities

12. Information related to agricultural produce buyers and sellers

13. Information related to transportation service providers for a given state

14. Information related to the Minimum Support Price for commodities covered

15. Information related to government procurement points within a state

16. Information related to Regulated Marketing Committees

17. Information related to marketing and post harvest management facilities including

    a. Cleaning facilities
    b. Grading facilities
    c. Weighing facilities
    d. Laboratory equipment providers
    e. Labelling facilities
    f. Packaging and storage facilities

18. Information on government schemes and programmes including

    a. Physical progress with regards to the scheme components
    b. Fund utilization by the states for the schemes and components
    c. Beneficiary data with regards to the scheme

19. Training tool-kits for progressive farmers and trainers including

    a. Farmer generated best practices
    b. Online videos on good agricultural practices

20. Information on fishery package of practices

21. Information related to water release schedule

22. Information related to irrigation equipment

COMPOSITION OF COMMITTEES

State Empowered Committee

1. APC/Principal Secretary/Secretary (Agriculture)   (Chairman)
2. Secretary(IT)
3. Secretary / Director(Agriculture)
4. Secretary / Director (Horticulture)
5. Secretary / Director (Fisheries)
6. Secretary / Director (Animal Husbandry)
7. Representative of Department of Irrigation or Water Resources
8. Representatives of the State e-Governance Mission Team
9. State Informatics Officer
10. Representative of the Project e-Governance Mission Team
11. Representative of IMD
12. Representative of SAUs and ICAR Institutes
13. Any other officers or experts which the State Government may deem appropriate.

District NeGP Agriculture Implementation Team

1. District Magistrate / District Collector   (Chairman)
2. District Agriculture Officer
3. District Horticulture Officer
4. District Animal Husbandry Officer
5. District Fisheries Officer
6. 3 Representatives from Block level offices by rotation
7. Representative from IMD department
8. Representatives from PeMT and State IT Department
9. District Informatics Officer, NIC
10. Representative from IMD
11. Programme Coordinator, KVK
12. Any other officers or experts which the State Government may deem appropriate.