



Department of Information Technology
Government of Goa
2nd Floor, IT Hub,
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8(37)/DOIT/2019/E-Governance funding/ 1703

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CIRCULAR

The Ministry of Electronics and Information Technology (MeitY), Government of India has invited e-Governance proposals from State Governments, Union Territories as well as Central Ministries for consideration of financial support.

The Proposed e-Governance Projects need to have following criteria:


- a. Needs to be interesting and meant for digitization of governance processes
- b. Should ease delivery of government services.
- c. Proposals need to be new and original and do not follow or replicate existing e-Governance solutions which are already operational across the country.

MeitY has also framed Guidelines (*Implementation Guidelines for the World Bank assisted "India: e-Delivery of Public Service Project"*) which is required to be followed while framing the proposals, and accordingly Detailed Project Report (DPR) as per **Annexure-I** (enclosed with guidelines) needs to be forwarded to Ministry.

In this regards, interested departments are requested to submit the new e-Governance proposals, if any, in the given format (**Annexure-I**) to this department, for consideration of funding under MeitY.

Departments may kindly refer the **MeitY Guidelines** and **Annexure-I** available on Goa state portal (www.goa.gov.in).

Yours faithfully,


(Ankita Anand, IAS)
Director (IT)

Encl: as above

To:

1. All Head of Departments/ Corporations / Autonomous bodies.
2. All Manager(Technical) & Network/System/Database Administrator -Department of Information Technology
3. Office Copy

Copy to:-

1. Secretary(IT), Secretariat, Porvorim
2. SIO-NIC
3. Goa State Portal Team

Implementation Guidelines for the World Bank assisted
"India: e-Delivery of Public Services Project"

The Government of India has availed a loan titled "India: e-Delivery of Public Services Project" for an amount of US\$ 150 million (i.e about Rs 700 crore) from World Bank towards programme management and financial support for National e-Governance Plan (NeGP). Being a Development Policy Loan, this loan is expected to support critical policy measures within Government's overall e-Governance reform agenda leading to more robust implementation of NeGP, with significant social benefits for the population and positive impact on the poor. It will do so through supporting policy and institutional actions of Central/States/UT Governments and through supporting project formulation, development and project funding of various proposals of Central/State/UT Governments that entail e-delivery of services.

2. The broad policy reform areas and targets that are aimed under the World Bank Project are as below:

a. Policy Reform Areas:

- (i) Policy for Institutional Strengthening of State Governments;
- (ii) Policy for Public Private Partnerships to improve service delivery;
- (iii) Policy on use of Open Standards to ensure interoperability and avoid vendor lock in;
- (iv) Policy for Inter-agency Coordination and Monitoring & Evaluation;
- (v) Policies for access to citizen services through Mobile platform and increasing the pace of broadband penetration;
- (vi) Policy for mandating increased participation of users;
- (vii) Policy on service orientation for Government Processes and Officials;
- (viii) Electronic Service Delivery Act; and
- (ix) Policy on uniform and predictable verification of e service users.

b. Indicative targets:

- (i) Strengthening States Institutions - At least 1000 e-services will be at implementation stage at State level including at least 90 e-services in less advanced states and 130 e-services implemented through PPP mode;
- (ii) Development of technical standards for e-Governance - At least 75 e-services will be offered through systems certified compliance with standards;

- (iii) Improved inter-agency coordination and monitoring of e-governance - At least 124 e-services from projects with updated information in the Project Monitoring Information System will be able to be monitored;
- (iv) Improving access to services by using the mobile platform while increasing the pace of internet penetration - 50 services delivered on mobile platform;
- (v) Facilitating increased participation of users in design and evaluation of e-governance projects - User-participation in design and impact assessments incorporated for at least 100 e-services;
- (vi) Improving service orientation of government processes and officials - Officials of at least 10 States have completed re-orientation or leadership program;
- (vii) E-Services Delivery Act (ESD Act) and
- (viii) Uniform and predictable verification of e-service users - At least 25 e-services would have started verifying users.

3. In order to achieve the above targets, it was agreed to approach Ministries/Departments of GoI and all States/UTs to undertake projects under the funding available. It was also informed that the funding to the State/UT/GoI projects would be made in the nature of 100% grant-in-aid. It may be recalled that, the Department of Electronics & Information Technology issued circulars to all States/UTs vide letter no. 2(1)/2005 - EGD dated 26.09.11 and letter no 2(1)/2005-EGD(13317) dated 09.04.12, outlining the World Bank Project and seeking project proposals for funding under the World Bank Project. While some proposals have been received by MeitY, these are not commensurate with the available funding.

4. As a way forward and with a view to broaden and further streamline project proposals under the World Bank Project, these guidelines are being issued. The complete spectrum of work to be taken up under the e-Delivery of Public Services Development Policy Loan has been divided into the categories - (1) policies, (2) people, (3) technology, (4) project development and (5) projects. These categories include various sub-components some of which are being handled centrally at the Department of Electronics and Information Technology (MeitY). However, most of the sub-components are related to GoI Ministries/Department and State/UTs. All the sub-components are listed as below: the following indicative sub-components:

4.1 Policies

- a) Areas being handled by MeitY/to be handled by MeitY.
 - a. EDS Bill:
 - i. Preparatory work relating to identification of services;

- ii. Preparation of model rules under the EDS Bill.
 - b. PPP including framework for PPP Models in e-Governance projects.
 - c. Human Resource Policy
 - d. Network: Policy for integration of existing /planned networks keeping in view the requirements of NeGP.
 - e. Security: Cyber Security Cell for developing guidelines for various components of e-Governance.
 - f. Standards
 - g. Electronic Authentication including formulation of framework for integration of Aadhar in e-Governance applications.
- b) Areas for State/UTs and Central Ministry/Department to prefer proposals to MeitY.
- i. National IT Policy Implementation Support:
 - a. E-Literacy: Pilot projects on different models for e-Literacy;
 - b. Mandatory Delivery and Affordable Access: Urban CSCs - project preparation and implementation support;
 - c. ICT for Education, Health, Rural Development, Financial Services, and Land related Services, Financial Management, Budget Management.
 - ii. Model ESD Rules including guidelines for implementation of ESD Rules in states.
 - iii. Recognition as CSCs
 - iv. Mobile Enablement

4.2 People

- a) Areas being handled by MeitY/to be handled by MeitY
Institutions:
 - i) Blueprint for establishment of e-Governance Academy;
 - ii) Institutional mechanism for evolution and updation of Standards.
- b) Areas for State/UTs and Central Ministry/Department to prefer proposals to MeitY
 - i) Capacity Building including training programmes to enhance the capacity of government officials at all levels.
 - ii) Empowerment of grass root level functionaries
 - iii) Knowledge Management
 - iv) HRMS at Center/States

4.3 Technology Platform

a) Areas being handled by MeitY

- i) Cloud
- ii) Aadhaar Enablement including application development for Aadhaar enablement in eGov
- iii) Citizen Call Center 166
- iv) Open Data Platform
- v) Payment Gateway
- vi) eGov AppStore
- vii) National Services Directory

b) Areas for State/UTs and Central Ministry/Department proposals

- i) Mobile
- ii) Language and Localization
- iii) Cloud - IaaS, PaaS, SaaS including implementation of projects on rapid replication basis
- iv) GIS including pilots on use of GIS platforms in e-gov applications.
- v) e-Authentication
- vi) Document/Certificate Repository
- vii) Standards
- viii) Web Portal Services including improvement and certification of government web sites
- ix) Mobile ID.

4.4 Project Development Fund

Project for formulating and development of projects including Innovative Mobile Application

4.5 Projects

a) Priority Sectors

- i) Education
- ii) Health
- iii) Rural Development
- iv) Tribal Development

- v) Social Justice
- vi) Women & Child Development
- vii) Financial/Budget Management
- viii) Land Records Management

- b) Critical Gaps in MMPs
- c) New and innovative Projects including Innovative Mobile Application

5. It is proposed to take up proposals for funding under the World Bank project under above noted components depending upon the need of the State/UT/GoI Ministry/Department. While priority, would be given to the above said areas, it may, however, be noted that deserving proposals outside the priority areas but within the broad spectrum of e-governance could also be considered.

6. Proposals from GoI Ministries and States/UTs:

Ministries/Departments of Government of India and State/UT Governments are requested to submit proposals in the format (Annexure 1) for consideration of funding under the World Bank Project.

The proposals may be addressed to:

Shri Pravin R Chandekar
 Director (e-Governance)
 Ministry of Electronics and Information Technology
 Room No: 2016, 2nd Floor, Electronics Niketan
 6 CGO Complex, Lodhi Road
 New Delhi - 110003
 Tel +91-11-24301216, Fax +91-11-24361728
pravin.chandekar@gov.in

7. Mode of Appraisal:

The proposals shall be appraised by a Working Group comprising:

- | | | |
|----|--|----------|
| a) | Group Coordinator (e-Governance / Joint Secretary (eGovernance),
MeitY, GoI | Chairman |
| b) | Secretary of the concerned Department of the Sponsoring
State/Representative of the concerned Department from Central | Member |

	Ministry	
c)	Secretary(IT) of the Sponsoring State (if applicable)	Member
d)	Head/Director , Implementation Agency of the concerned project	Member
e)	Director (e-Governance), MeitY	Member Convener

The Following members from MeitY/NIC/CDAC/NeGD may be invited on need basis:

- a. Sr. Director/Director(s), MeitY, GoI
- b. Representative(s) from NIC
- c. Representative(s) from CDAC
- d. Representative(s) from NeGD
- e. Representative(s) from Academic Institutions and Industries

The Working Group would seek the assistance and views of technical experts to review and evaluate projects. Proposals would be appraised and sanctioned as per delegation of authorities prescribed under GoI's extant rules on the subject.

8. Project Implementing Agency:

All project proposals should indicate a Project Implementing Agency to which funds can be transferred for the implementation of the project. The Project Implementing Agency shall be required to adhere to financial management and reporting system designed with the following main objectives:

- a) To provide financial Monitoring Reports for claiming disbursement from MeitY;
- b) To provide project offices with relevant information that would enable them to plan, monitor and control the various project activities;
- c) To provide a basis for evaluation of the various project activities by regular comparison of actuals with the budgets;
- d) To provide a basis for taking remedial actions to correct any adverse trend;
- e) To facilitate management by exception by presenting critical and selected information to the management of the project/MeitY.

9. Audit: Project Implementing Agency shall be required to have the project accounts audited conducted inter-alia with the under noted main objectives:

- a) Provide a confirmation to project management and to various stakeholders including MeitY on the accuracy of project financial statements.

- b) Ensure compliance with Detailed Project Report (DPR)/ loan agreements and other legal obligations
- c) Ensure overall satisfactory working of the project financial management systems.

10. Others:

Funds would be available for specific projects which are sponsored by a Ministry/Department of the Government (i.e both Central and State). Projects which are being partially funded by any other arm of Government or have received partial grants from any other national/international body will be ineligible for applying/funding under this initiative. In respect of time and cost overruns, a suitable accountability mechanism on lines similar to the one followed in EFC/PIB projects/schemes shall be enforced. Ownership of Intellectual Property and the knowhow emerging out of projects would be held in such a way that replication and adaptation of the applications/initiatives by other state governments/government organizations is facilitated.



Annexure 1 – DPR Template

“India : e-Delivery of Public Services DPL” Project

PROJECT PROPOSAL TEMPLATE

I. BACKGROUND OF PROJECT AND OTHER BASIC INFORMATION

a) Title of the Project

b) Project Initiator details

i) Department initiating the project

ii) Background of the department

iii) Name and Job Title of the key contact person (person responsible for initiation)

iv) Contact details:

- ◆ Address :
- ◆ Fax :
- ◆ Landline :
- ◆ Mobile :
- ◆ Email :

c) Implementing Agency details

i) Name of the Implementing Agency

ii) Date of Establishment (if applicable)

iii) Name and Job Title of the key contact person (person responsible for implementation)

iv) Contact details :

- ◆ Address :
- ◆ Fax :
- ◆ Landline :
- ◆ Mobile :
- ◆ Email :

- d) Location of project implementation

II. PROJECT OVERVIEW OR SUMMARY

Provide a project snapshot covering the following aspects:

- a) Identification of stakeholders
- b) Reform area(s) the project is designed to address
- c) Explain in brief the causes and effects of reform area(s)
- d) Highlight in concrete terms the targets envisaged to be achieved.

Table 1

Targets	Existing Parameters	Proposed Parameters

- e) Is the project:
 - i) A Pilot or
 - ii) A Roll out of the project subsequent to Pilot phase (give details of pilot in previous experience section)
 - iii) Roll out Project without Pilot phase
- f) Past experience and lessons learnt
- g) Outline in broad terms project activities and timelines

Table 2

Reform Area	Activities	Timeline
Outcome 1		
Outcome 2		

Reform Area	Activities	Timeline
Outcome 3 and so on...		
Cross-cutting Activities		

h) Project Cost with complete item-wise details:

Table 3

(Rupees in Lakhs)

Costs	Year 1	Year 2	And so on
Investment Costs			
Recurring Costs			
Total			

i) Sources of funding

Table 4

(Rupees in Lakhs)

Year	Sources of funding	Nature of assistance	Amount of funds (INR)	Total amount of funds (INR)
Year 1				
Year 2 and so on				
TOTAL				

III. PROJECT DETAILS INCLUDING ITS IMPLEMENTATION MODEL

a) Goal:

The goal is a higher order objective/longer term outcome that the project will contribute to. The general practices of the project are guided by the goal. It is critical to set realistic and relevant goal(s) for the project as it helps to:

- Plan an approach for implementing the project
- Provide a systematic way for evaluating performance
- Ensure greater buy-in through most of the organization
- Ensure that results obtained are not erratic in nature

b) Objectives:

Identify SMART Objectives

Objectives are the specific and immediate outcomes of the project. S.M.A.R.T refers to the acronym that describes the key characteristics of meaningful objectives, which are Specific, Measurable, Achievable, Realistic and Time Bound.

- **Specific (concrete, detailed, well defined):** Specific means that the objective is concrete, detailed, focused and well defined. Objectives must be straight forward and emphasize action and the required outcome.
- **Measurable (numbers, quantity, etc.):** If the objective is measurable, it means that the measurement source is identified and we are able to track the actions as we progress towards the objective. Measurement is the standard used for comparison.
- **Achievable (feasible, actionable):** Objectives need to be achievable because if the objective is too far in the future, it will be difficult to remain motivated and strive to attain it.
- **Realistic (considering resources):** The achievement of an objective requires various resources, such as, skills, money, equipment, etc. Realistic means that all such essential resources are available or possible to arrange.

- **Time-Bound** (a defined time line): Time-bound means setting deadlines for the achievement of the objective. Deadlines need to be both achievable and realistic

c) Stakeholder Analysis

- Identification of stakeholders and description of their roles and responsibilities, level of influence and proposed engagement/ communication strategy

Table 5

Stakeholder Group	Roles and Responsibilities	Level of Influence	Engagement/Communication Strategy

IV. SERVICES & SERVICE LEVELS

a) Background Context & Broad Project Rationale

Based on the goals and objectives, in this section, the DPR should provide a background of the e-Governance initiatives and NMMP for e-Governance, with overview of implementing department, demographic details, functions, core services, situation assessment for service delivery, e-Governance opportunities, the details about re-engineered processes, benefits to the citizens etc.

b) City / implementing departments Overview

This section would provide city details like demographic characteristics of the city, growth, economic base, key drivers of economy, organization structure, core services offered, revenues and expenditure etc.

c) Services provided by implementing department/City/State proposed through e Governance

In this section, the DPR would detail out the services provided / functions performed by them as part of the various process involved in the service delivery through e Governance. The services provided by implanting department should be categorized into section like services as G2C – Government to Citizen, G2B – Government to Business, G2G – Government to Government. The services should be further classified into services, activities, processes having internal and external interface.

d) Governance Assessment (AS-IS Process)

This section would detail out the existing situation of e-Governance initiatives and levels of e-Governance implementation in the city/State. Based on the services provided by the implementing department/City/State, the current situation of the areas for e-Governance should be provided. The situation analysis of the existing functional system specific to the reform agenda areas should detail out the key strengths, weakness in the process, activity work flow, delivery system etc. The assessment for the reform areas should bring out details of 'AS-IS' process in detail with focus on the key service levels like delivery of services in number of days, hours etc, mode of delivery, efficiency, broad cost of service provision etc. The service levels parameters that should be used in measuring the efficiency, transparency and reliability of the core services should be in terms of: service quality, service quantity, service delivery time, and service cost.

Indicative format to conduct As-IS analysis is given in the below table

Table 6

Description	Location 1	Location 2	Location 3	Provide all locations....	Total
<i>Back end (including database management tools used)</i>					
<i>Middle ware (including application software)</i>					
<i>Front end delivery channels (including application software)</i>					
<i>Network devices</i>					
<i>Information Security</i>					

◆ Options Analysis

<p align="center">Please provide detailed description of various options and reason for selecting the given option (Technology – including Networking, backend, middleware, front end and security standards being adopted)</p>

e) Business Process Reengineering (TO-BE Process)

Based on the envisioned scenario and the rationale adopted, the conceptualization of the reengineered process, detail rationale for justification of changes in the process should be provided. This section should detail out the 'TO-BE' process to be adopted for the reform areas as part of the e-Governance areas.

The section should detail out the benefits of the 'TO-BE' process to be categorized into various categories like benefits to the citizens, organization, government, stakeholders etc. The value addition/ benefit can be in terms of indicative indicators like reduction in time frame for processing of activity / service / function etc, reduction in terms of costing, etc.

Based on the initiatives taken by implementing department/City/State, the project may either require further updation of the existing services or develop the service as it did not exist earlier. These initiatives can be categorized as green field and non-green field projects.

Green field project would be the projects which will be implemented for the first time and did not exist in the earlier, and non-green field projects are would be the projects where an application solution already exists and is functional within the implementing department/City/State for the identified services. Any request for complete change to the existing application/ software would invite the identified gaps, identified new solution and justification / rationale for the proposed change. Table 7 & 8 below needs to be filled in by the implementing department/City/State for clear understanding of the AS-IS Process, TO-BE process and the perceived benefits of the new process.

Table 7: Perceived benefits

S.No.	Service Area	As – Is Process	TO-BE Process	Perceived Benefits

f) To-Be scenario

Table 8

Description	Location 1	Location 2	Location 3	Provide all locations....	Total
<i>Back end (including database management tools used)</i>					
<i>Middle ware (including application software)</i>					

Description	Location 1	Location 2	Location 3	Provide all locations....	Total
<i>Front end delivery channels (including application software)</i>					
<i>Network devices</i>					
<i>Information Security</i>					

V. TECHNOLOGY INFRASTRUCTURE

Based on the details provided in the previous section which covers details primarily on services and service levels, e-Governance assessment, vision and business process reengineering, this section should detail out the technology infrastructure component keeping in mind the state of affairs of e-Governance in the need for developing a total e-Governance solutions.

a) Details of Existing Technology Infrastructure (AS-IS Scenario)

Application Details

The section on application details should provide details about the existing application infrastructure of; the following are the major points that should be covered in this section.

- In case an application solution already exists in the individual service modules addressing a part of the envisaged requirements, a gap analysis is required to be conducted by implementing department/agency/City/State to identify the additional features required to be developed.
- The DPR should provide details of the existing volume of database for the core service areas.
- For continuing to use the current application solution and developing a new solution addressing the additional requirements, an appropriate strategy for effective integration of existing and the new system need to be developed and should be explained adequately. The existing solutions should meet the STQC criteria in terms of standards or should have been certified by the STQC or any other agency approved by the Deity.

Networking Components

In this section, the DPR should provide the details of the existing networking components of the infrastructure which may cover onsite as well as offsite details as follows

- Provide details on how the existing networking components can be used or integrated with the new setup.
- implementing department/agency/City/State should also provide detailed inventory of existing networking components
- The DPR should provide details of the number of physical locations, departments / offices, users in the department, existing delivery channels like Citizen Facilitation Centers (CFC), SWAN, SDC etc

Overall Network / Server Architecture

The DPR should provide details of the overall network/server architecture of the implementing department/agency/ for the existing setup:

- The DPR should provide details like detailed diagram of current network & server architecture.
- DPR should provide existing infrastructure details (specifically application including disaster recovery, hosting servers etc) and re-use.
 - Network architecture/ devices, the design and hardware that is used by the implementing department/agency/ to ensure smooth communication between computer systems and/ or devices should be detailed out in DPR with adequate information. For the purpose of DPR a detailed description of design (wired or wireless) and hardware should be provided for:
 - *Local Area Networking*
 - *Wide Area Networking, (if any)*

Information Security Measures

The following are the key points that need to be covered for providing the 'Information Security Measures' provided as below:

- DPR should provide details of current information security measures in place such as firewall, anti-virus server, intrusion detection system etc.
- Details of the existing security policies (if any)
- Detailed inventory of such applications / hardware should be provided.
- DPR should examine if the current security application / hardware can be re-used for proposed e-governance infrastructure.
- Details of security audit should be provided.

b) Details of Proposed Technology Infrastructure (TO-BE Scenario)

Option Analysis

The DPR should provide details of how the technology options are being evaluated while sizing the required infrastructure for the implementing department/agency/. While deciding upon the options, details

about reuse of existing infrastructure should be adequately provided. The DPR should cover the following details:

- A detailed cost benefit analysis of all the options should be provided on whether to customize existing application or acquire a new solution (particularly for the application part/ solution).
- Provide alternative technology options looked at and analysis of their pros and cons.
- Provide reasons and details of the option identified and selected.

The description of various options and reason for selection should be provided in Table 9 below

Table 9: Option Analysis for Selecting Proposed Technology

Detailed description of various options and reason for selection (For example: Technology – including Back-end, middleware, front-end, networking, and security standards being adopted)	
Option 1:	
Option 2:	
Option 3:	
<i>Selected Option:</i>	

Customization of Existing Application

The DPR should provide details of the customization of legacy applications to the new application (if any) and should cover the following details while deciding the customization:

- The DPR should provide details of the strategy, methodology, and adoption for the data migration of existing data to the proposed solution.

VI. PROJECT IMPLEMENTATION STRATEGY & SUSTAINABILITY PLAN

Based on the complete understanding of the e-readiness assessment, technology infrastructure requirements, risk assessments, this section should provide details about the project implementation strategy & sustainability plan keeping in view the risks identified in the previous section. The DPR should provide the implementation strategy and the sustainability plan keeping in view the various factors like selection of deployment criteria, delivery channels and other management arrangements for the implementation of the citizen services and department functions.

Project Implementation Strategy

a) Deployment Criteria

In this section DPR should provides details of deployment strategy (horizontally across all offices/sites involved or vertically with full functionality in one site on pilot / roll-out basis).

b) Delivery Channels Selection

In this section DPR should identify the Delivery channel strategy for eServices i.e. through Govt. offices or through private partners or electronic channel.

For example:

- Government channel: The citizen services are to be made available through CFCs/ Zonal office/ Ward level.
- PPP: The citizen services are to be made available through Citizen Facilitation Centers run by private partners (if any).
- Electronic channels: website/ Internet

c) Project Consultant

In this section DPR should identify engagement of Project Management Consultant to assist in preparation of DPR, RFP, Bid process management and oversee the implementation stage and engagement of different partners for execution and implementation.

d) Institutional Structure

In this section DPR should mention setting up a steering committee to guide the implementation and details of Management arrangements i.e. Project management team comprised of members from

- Details about how the municipalities and other field offices can hook to the nearest POP of the SWAN, through leased lines.

h) Disaster recovery arrangement

This section should provide details of any disaster recovery setup envisaged (new or leveraging the existing setup) for the purpose of the project in case of a disaster.

- The DPR should provide details in this section, about the strategy for effective integration & testing of new modules with the current system.

Deployment of New Application

The section should provide adequate details required for finalizing of new application and should cover the following details, but not limited to as provided below, besides this the new applications should conform to the STQC certification standards:

- Details of the application deployment period.
- Details about rational for choosing a specific licensing model for application acquisition.
- Details of the go-live stage.

c) Networking Components

The section should provide details of the networking components required for upgrading the network and should cover details like:

- Highlight networking components for interfacing with SDC and CFC separately.
- The networking component should include absolute essential components such as router, switch etc.

d) Overall Networking & Server Architecture

This section should provide details of the setup of the networking and server architecture and should be detailed out adequately, and should cover the details as provided below:

- The architecture should clearly highlight all interfaces
- The DPR should furnish the proposed infrastructure in terms of back end, middle ware, front end and others in terms of specifications of requirements
- DPR should provide proposed infrastructure details (specifically application) and re-use of existing infrastructure (if any)
- While providing infrastructure requirements appropriate business to technical requirement mapping should be provided.
- A detailed third party post implementation review of MIS applications etc. should be provided for post go-live.

e) Information Security Measures

This section should provide details on the information security measures to be taken while deciding the proposed network:

- Details of the entire infrastructure coverage by firewall / IDS of SDC.
- Details about anti-virus and patch management strategy.
- DPR should clearly mention about the security policies that will be in place.
- It should also mention about the frequency of review of various components of the infrastructure e.g. General Systems Audit, Vulnerability Assessment & Penetration Testing, and Applications Audit etc.
- The DPR should clearly explain the process to be followed in data migration and secure storage of data
- Details about third party review of the infrastructure from “data leakage” and “security” point of view for the proposed security measures

f) Conformance to Technology & Standards

This section should provide details of the standards to be followed while deciding the technology for application as well as network points and should cover as detailed out below:

- The DPR should ensure that the e-governance implementation meets the requirements of DeitY guidelines.
- Technological standards, if any, on inter inter-connectivity and interoperability with regard to software, network, etc. should be provided.

g) Integration with SWAN, SDC & CSC

This section should provide details of the integration of the new network and application with the SWAN network and SDC and CSC, with following details to be provided in the DPR:

- Details about SWAN to be used to connect distributed network sites in a Government via private or public telecommunication lines.
- Details about backbone on which all departmental and core applications would reside.

Consulting Agency/ System Integrator and official for the implementation management at various levels. Further, it covers Contracting arrangements.

Structures with roles and responsibilities at various levels of project implementation should be provided for the following in detail:

- Project Management Committee
- Steering Committee
- Operations and Management team

A. Stakeholders Involvement

a) Stakeholders Identification

In this section DPR should identify stakeholder groups, their stake, roles and interests project (e.g. employees of the department/ ministry, citizens/ businesses/ other primary beneficiaries who are directly impacted by the services).

b) Description of Roles and Responsibilities

In this section DPR should state each of the stakeholder group/ stakeholder, corresponding roles and responsibilities e.g. the role of the Project Implementation Agency should include ensuring all aspects of project management (such as integration, scope, cost, time, quality, human resource, risk, communication, procurement, change, partnership) are carefully planned and implemented.

c) Participation by Stakeholders

The extent of involvement of the stakeholder and the stage at which they would be involved (i.e. conceptualization, design, implementation and continuous improvement) should be provided. The level of influence of the stakeholder group/ stakeholder (based upon the stakeholder analysis) should be stated and the corresponding engagement/communication strategy should be stated in Table 13.

Table 13: Stakeholders and Level of Influence

S. No.	Stakeholder Group/ Name	Roles and Responsibilities	Level of Influence	Communication Strategy
1	Government	<ul style="list-style-type: none"> • Define Policies • Approval of works/projects • Monitoring of departmental functions • Strategic decision making 	High	Communicate the policy changes, to enable the working group to define and frame work plan
2	Employees	<ul style="list-style-type: none"> • Perform duties as per the timeliness • Participate in defining policies 	High	Awareness creation and sensitization through training programme
3	Citizen	<ul style="list-style-type: none"> • Should keep themselves informed about governmental policies • Payment of taxes • Demand that the services are delivered as per defined SLAs • Participate in defining policies & projects 	High	Awareness creation through campaigns and neighborhood groups

B. Sustainability Plan

The sustainability plan DPR should describes the procedural, staffing, budgetary and contractual arrangements that will ensure sustainability of project outcomes, particularly the provisions for retention of technical staff needed to supervise project-related contracts with the private sector, to supervise internal ICT activity and to operate ICT infrastructure.

a) Procedural Sustainability

In this section DPR should provide the details of the various committees with members from the Government as well as from the System Integrator to be formed for the tracking the physical and financial progress of the project at the time of implementation and operational.

b) Resource Sustainability

In this section DPR should provide the information related to sustainability of the human resources deployed for the project. It includes tenure commitments of the key officials from the government, key technical staff identification, Strategy for hiring, training, remunerating and replacing key technical staff to ensure the smooth project implementation.

c) Technological Sustainability

In this section DPR should provide the information on the factor which are important from the technical perspective like standardization of the application, streamline appropriate application development strategy with flexibility and diversity in the system, interoperability with the existing and proposed modules, balance between uniformity in design and flexibility in implementation, reverse compatibility of application with legacy systems, logical and application security of the system.

d) Financial Sustainability

In this section DPR should provide the factors considered for the financial sustainability of the project like Government commitments for O&M budgetary support, to absorb ongoing staffing costs, source of the funding in case of PPP failure.

e) Contractual Sustainability

In this section DPR should provide the steps required for the issues related to legal and policy framework, authentication/security of Private Partner transactions, design of Service Level Contract and ability to enforce them for project consultant, suppliers, vendors and private partners, ways to prevent monopoly of PPP. Table 14 mentioned below should be filled in by the implementing agency for the different sustainability areas identified and the key factors considered

Table 14: Sustainability and Key factors

S. No.	Areas	Description	Key factors	Action steps
1	Procedural Sustainability			
2	Resource Sustainability			

3	Technological Sustainability			
4	Financial Sustainability			
5	Contractual Sustainability			

VII. PROJECT COST & IMPLEMENTATION SCHEDULE

Based on the further inputs from risk identification and project implementation strategy & sustainability plan this section should provide details about project cost and implementation schedule for the project. In this section, the DPR will provide details about project cost, and to be provided fewer than two broad heads (i.e. investment cost and recurring cost). The component based estimates should be provided under respective heads for the entire term of the project. The detailed implementation schedule should provide the details about how to implement the project within the time bound manner.

Detailed Bill of Material (BOM) & Project Expenditure (One Time & Recurring)

The DPR should provide detailed BOM (Bill of Material) separately under two categories i.e. one time investment cost and recurring cost for every component. The details of the indicative activities that may be undertaken under the two heads i.e. investment cost and recurring cost.

The DPR should provide component wise investment details and should be mentioned based on the detailed assessment of the existing as well as proposed application system or service modules, like number of computers, scanners, printers etc. All expenditure should be clearly highlighted with appropriate headers, like GIS application for particular service areas

It is advised that the implementing agency should budget for the cost of 3rd party audit post implementation review in DPR.

Financing Plan

The year-wise breakup of source (World Bank / State Government/ Other including private sector support), the amount of funds and the form of assistance over the project life, should be provided, as per the Table 15 below.

Table 15: Financing Plan (World Bank/ State / other share)

Period	World Bank Amount (Rs. Lakhs)	State Amount (Rs. Lakhs)	Other Amount (Rs. Lakhs)	Total (Rs. Lakhs)
Year 1				

Year 2				
Year 3				
Total				
	%	%	%	

A. Public Private Partnership (PPP) Arrangement (if applicable)

In this section the DPR should mention the details of PPP arrangements. PPP is a mode of implementing government programme/ schemes in partnership with the private sector. The term 'private' in PPP encompasses all non-government agencies including corporate sectors, voluntary organizations, self help groups etc. The PPP options may be worked out for the full or the part services components (For example: citizen facilitation centers through PPP, citizen grievances system through PPP, etc.

A broad range of alternatives exist for PPP models which may be followed by implementing agency. The options range along a continuum within the extreme of almost complete ownership and responsibility of operations, maintenance, capital investment and commercial risk with the public sector through joint responsibility to complete private responsibility. For example, some of the approaches currently being adopted for PPP in e-Governance include:

(i) Fee Based Approach: Under this approach the private party would make an initial investment in setting up systems and structures and in return would be allowed to fix nominal charges (in consultation with government) for public services to be collected either from government or public, e.g. Collecting nominal charges for issuance of birth certificate, death certificate etc.

(ii) Cost Saving Approach: This approach is specifically used where the Government brings about substantial changes in existing processes through extensive Government process reforms and use of information technology, which leads to large scale of savings in terms of staff and real estate. Under this approach the private party provides the initial investment along with their management expertise and in

return they are entitled to share of the cost saved, e.g. cost saving due to online processing of property transfer and registration document can be shared.

(iii) Advertising & Sponsorship Fee Approach: Under this approach, the government may collect fees in exchange for direct advertising by a private company on a government website, indirect marketing (by tracking user spending habits on the government website and beyond) or by sponsorship arrangements. The advertising arrangements could be based upon a measurable outcome, such as the number of users who either visit or purchase items from the website advertised.

(iv) Full Service Approach: Under this approach, the private sector is hired as a contractor to take over certain responsibilities of the Government, and may retain staff on the government's behalf, in return for a fee.

(v) Shared Revenue Approach: The shared revenue approach is adopted where there are ways in which the government may generate new revenue from enhanced services. This increased revenue can be used as a way to offset project costs, or finance the investment made by the private sector.

If any PPP model is adopted for delivery of services under the project, the following aspects of the model must be clearly stated in the DPR:

(i) Business Model: The business model for the proposed PPP should clearly be explained in the areas of:

- Service deployment plan
- Demand projections and price elasticity of demand
- Fees and fee setting mechanism
- Revenue projections for the operator
- Estimated investment (including phasing of investment) and operating costs
- Proposed cost sharing arrangements between state, centre and private participant

(ii) Key Design: The key design features of the implementation that affect the overall cost/revenue model for potential private partners must clearly be explained in the areas of:

- IPRs
- Change management
- Service level agreements
- Security requirements

- Confidentiality requirements
- Business continuity requirements
- Termination provisions

(iii) Financial Analysis:

- Provide net cash flow and net present value (if applicable)
- Cost benefit analysis of the PPP
- Sensitivity analysis (i.e. an analysis of how some key occurrences impact project sustainability should be carried out for the Project.)

(iv) Feasibility Management: Feasibility Management should provide clear information concerning all existing and expected factors, which may support or oppose the implementation of the PPP options. Feasibility management of all PPP options requires:

- Analysis of a government commitment and community support for a certain option;
- Well-researched and negotiated legal contract
- Strong regulatory and institutional environment
- Analysis of the state of the utility, existing regulation, financial viability and risks.

IMPLEMENTATION SCHEDULE

- Phasing of project activities:** In this section DPR should specify detailed quarter wise schedule phasing of project activities and schedule of implementation for each phase
- Critical dependencies in the project:** In this section DPR should mention critical dependencies on the person identified in the project.
- Expected timelines for completion of key milestones:** In this section DPR should mention the expected timelines for completion of key milestones and associated process indicators for the same.

The implementation schedule detailing out the list of activities to be carried out, their timelines and the persons responsible for carrying out the same during each phase of the project, should be provided in the Table 16 provided below.

Table 16: Timeline Completion for Key Milestones

Project Activities	Responsibility.	Target Date	Project Duration											
			Year 1				Year 2				Year 3 and so on			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

VIII. CHANGE MANAGEMENT & CAPACITY BUILDING

Based on the project implementation schedule, sustainability plan and proposed modules to be implemented, this section should provide details about the capacity building and change management based on the existing capacity available.

A. Organization Structure

a) Current Organization

In this section the implementing agency will provide the existing Organization Structure. The structure needs to include geographical spread like zones, wards, key positions and key roles.

b) Key Functional Entities

In this section, the implementing agency will provide details of the existing functional entities / departments and their structure. The section should elaborate their role within the structure. The inter-relationship of the departments may be provided to understand the functional integration of departments. Special focus needs to be given to the IT organization structure, since IT Organization within the implementing agency will be the IT backbone throughout the entire project cycle. The details of the existing number of employees under each functional entity may be provided to understand the user base for various applications.

c) Proposed Organization

DPR will also provide proposed Organization Structure of the Unit, in which the project is to be implemented. In this section, geographical spread and key positions and roles will be included. Proposed interrelationships with other Govt. bodies or any key institutional relationships with citizens/ business/

other government departments to carry out the change management process will be highlighted. DPR will attempt, as much as possible, to elaborate the nature of the relationship and its objectives, along with the proposed manpower strength of the new setup and details of proposed users for service module applications.

d) Change Management and Capacity Building

Managing large scale change programme will pose various technical and cultural challenges. To address these challenges, it will be essential for implementing agency to have a structured plan in order to usher in the new changes. This section should detail out change management and capacity building plans of the implementing agency.

e) Stakeholders in the Change Process

In this section, DPR will mention the stakeholders identified in the Stakeholder Analysis Exercise and key areas to be addressed as a part of technological and mindset change for those stakeholders.

f) Identification of Capacity Building and Change Management Needs

Since e-Governance program envisages fundamental attitudinal and technical change, DPR should detail out identified key capacities required to be built at various levels. This will also mention the levels at which capacity is built, such as Project Implementing Unit, Project e-Mission Team, State e-Mission Team and Ministry/Department level.

DPR would mention Training/ Skill gaps identified on the basis of a training needs assessment (TNA), both functional as well as technical.

B. Awareness, Communication and Training Strategy:

A challenge will be faced by all implementing agency regarding Awareness Creation. Development of a communication strategy and plan that will ensure both internal and external stakeholders are made aware of the changes envisaged due to the project (such as key process changes, its impact with respect to human resource aspects, need for customer centric mindset etc.). Communications strategy will develop messages/ communications that are segmented and customized for different audiences, answering their questions.

Awareness will be followed by specific, input focused training. As a part of this section, DPR will mention change management training strategy and roadmap. This training plan would include programme design and resource assessment for training infrastructure and logistics and would serve as the basis for training implementation.

Parameters and processes to identify the sources of training (In-house Trainers, Consultants, outside specialized agencies etc.) will be mentioned in the DPR. Training execution methods such as case study, classroom inputs etc. should be outlined.

a) Awareness Creation

It is critical to ensure that a communication and capacity building strategy is effectively developed and carried out, the details should cover the following issues:

- Citizens/Business/Government have an understanding of why change is happening
- Citizens/Business/Government has ownership of the project.
- Resistance is identified and dealt with early in the process
- Momentum is built throughout different areas and levels within the organization
- Changes are less painful to the organization and to the employees
- A coalition of support among senior leaders and managers for the project
- There is a higher probability of meeting project objectives.

b) Impact Assessment of Change Management and Capacity Building / Communication Plan

Implementing agency would detail out Training Effectiveness Feedback mechanism as a means for improvements in the Training Strategy

C. Staffing and Deployment Strategy

a) Staffing and Deployment Plan

Current and proposed staffing and deployment plan need to be detailed out by the implementing agency eliciting staffing strength at each location, their relevant skill and competency levels. The staffing plan will include role description of the proposed hires. The deployment of various staff members along with

roles and responsibilities along with project phase and location has to be captured in Table 17 mentioned below.

Table 17: Staff Deployment

Position	Roles and Responsibilities	Number	Project Stage	Location
Project Implementation Agency				
Line Department				

b) Staffing and Deployment Process

DPR should mention the mechanism for staffing or deployment. The DPR should include the process of staffing of additional manpower and deployment of the existing manpower for the desired new service module applications at relevant stages of the project.

c) Remuneration Levels

DPR should also mention proposed process of deployment and indicative remuneration levels of the new hires.

IX. Assumptions & Risk Management

With the broad understanding of the above sections covering details like service & service levels, technology infrastructure to be provided in DPR, this section of DPR should provide details about the objective of Risk Management for the program, the organization structure for risk management, a plan for Risk Management and benefits that will be envisaged due to risk management plan in place.

A. Risk Assessment

Risk Assessment phase includes two stages - Risk Identification and Risk Analysis

a) Risk Identification

In this section the DPR will identify the potential areas of risk at all stages of the program (i.e. inception, implementation and post implementation) and nature of risk like given below in Table 10

Table 10: Illustrative table for Risk Identification

Risk	Examples
Technology	<ul style="list-style-type: none">• The application will not provide all required functionality.• The application will contain excessive defects. The application's transactions will not be auditable.• The application's outputs will be inadequately accurate or precise.• The application not compatible with other applications• Obsolescence of technologies
Economic Risk	<ul style="list-style-type: none">• Risk due to insufficient revenues to cover operating costs and financing a project
Financial Risk	<ul style="list-style-type: none">• Cost Overrun• Inadequate Cost Estimates
Change in scope Risk	<ul style="list-style-type: none">• Scope creep• Wrong scope identified
Organizational issues Risk	<ul style="list-style-type: none">• Risk due to changes in the Organizational Structure
Legal/contractual risks	<ul style="list-style-type: none">• Risk due to improper/ insufficient Legal/contractual risks agreement with the vendors, contractors etc.
Resource Risk	<ul style="list-style-type: none">• Inadequate Staffing• Inadequately Trained Staff

	<ul style="list-style-type: none"> • Inadequate Staff Productivity • Inadequate Development Tools
Schedule Risk	<ul style="list-style-type: none"> • Unrealistic Schedule • Inadequate Schedule Estimates

Please note that the above mentioned list of risk is an indicative list and DPR can identify more number of risks depending on the environment. The template for the risk identification has been provided as per the

Assumptions for Risk Management

Assumptions are factors that have an influence on the achievement of project objectives. They need to be managed for achievement of activities, outputs and objectives. The various assumptions that have been taken into account should be listed.

For example:

Assumptions may be related to growth rate of demand for proposed services, availability of qualified personnel and technology etc.

b) Risk Analysis

Risk Analysis criteria:

In this section, the DPR have to describe the risk assessment criteria to be used by them and also provide a rationale behind choosing the risk assessment criteria.

Calculation of Risk Measure:

For each risk identified in above section, the DPR have to analyse the risk by considering the range of potential consequences in terms of cost, schedule and/or performance etc. and how likely they are to occur. A risk assessment matrix has to be prepared combining the consequence and likelihood and thus the estimated level of risk have to be calculated and detailed out adequately in this section.

Risk Measure= (Threat Impact) * (Likelihood of Exploitation). The Values of the Risk Measure can be classified as High, Medium; Low based on the Risk Measure Table 11 as shown below:

Table 11: Calculation of Risk Measure

Impact		Low	Medium	High
		1	2	3
Probability				
Low	1	(Score 1) Low	(Score 2) Low	(Score 3) Medium
		(Score 2) Low	(Score 4) Medium	(Score 6) High
Medium	2	(Score 3) Medium	(Score 6) High	(Score 9) High

B. Risk Mitigation

Risk Mitigation Strategy based on Risk Evaluation Matrix

The DPR have to provide a Risk Mitigation plan, specific management action plan that includes consideration of funding. The Table 12 below will help the implementing agency to understand the different categories of the risk identified.

C. Risk Monitoring

Table 12: Description of different types of Risk Measures

Score	Risk Category	Description
6, 9	Extreme	Risk will have a high business impact on the organization. These risks require further action to be mitigated. The risks have to be prioritized and mitigation plan has to be prepared. Risk mitigation plan has to be monitored with timelines and MIS format for reporting should be included.
3, 4	Medium	Materialization of the threat (on the asset) will have a moderate business impact. These risks require further action to be mitigated. The risks have to be prioritized and mitigation plan has to be prepared. Risk mitigation plan has to be monitored with timelines and MIS format for reporting should be included.
1, 2	Low	Implementing agency to take a stand to either accept the risk or devise mitigation plan. The cost benefit analysis should be supported along with. The risks those have been accepted have to be monitored. A monitoring plan with timelines and MIS format for reporting should be included.

It is very important to keep monitoring risks on periodic basis. Risk Monitoring is therefore the process

That systematically tracks and evaluates the performance of risk handling actions against established metrics throughout the project. During risk monitoring meetings, existing risks as well as new risks are reviewed and discussed in details by the Project Team.

X. MONITORING & EVALUATION

Having detailed out all components of the project as provided in the previous sections, it is essential to have details about controlling of the project at various stages initiation, development and implementation. In this section, the DPR will provide details about the indicators for assessment of success / failure and means of their verification. The DPR should provide details of the program monitoring plan, and reporting mechanism. The program evaluation plan should be prepared by implementing agency which will essentially cover the baseline surveys (starting line against which performance will be evaluated) and end line surveys (status of indicators after implementation has been done).

A. Monitoring

a) Program Monitoring Plan

In this section the DPR have to identify

- What does the implementing agency want to monitor
(For Example: Activity, Sub Activity, Timelines, milestones, quality, Human Resources and Training, issue and deviations etc.)
- During which stage of the program the implementing agency want to monitor the above identified activities
(For example: Pre-implementation stage, Implementation stage etc)
- Explain the different criteria considered while carrying out the monitoring
(For example: Monitoring the program progress against the defined milestones)
- What will be the different methods to be used by the implementing agency for collecting data
(For example: Surveys, interviews, team meeting, project review, feedback, questionnaire etc.)
- At what frequency will the implementing agency be carrying out the monitoring process during the different phases of the program identified
(For example. Monthly, quarterly, Half-yearly, yearly etc.)
- What will be the cost incurred for the monitoring process
(A cost benefit analysis needs to be carried out by the implementing agency so that there is not cost over run of the program due to monitoring process. However the implementing agency have to keep in mind that an effective and efficient monitoring should be in place so that there is no compromise in terms of cost/ time/ quality)

To carry out the monitoring and evaluation there has to be an overseeing committee. The implementing agency has to specify the monitoring and evaluation roles and responsibilities structure.

b) Reporting Mechanism

(Please Note: The data collected through the various means and mechanisms need to be reported/ compiled in a pre-defined format to ensure consistency.)

- The different types of reports to be generated by the implementing agency as a part of Monitoring and evaluation.
- The implementing agency has to identify the different types of review mechanisms with in team also mention the timelines for the same. An illustrative MIS for review mechanism has been depicted in Table 18.

Table 18: Illustrative MIS for Review Mechanism

Action	Daily	Weekly	Monthly	Quarterly
Informal discussions with team				
Staff meetings with managers				
Project review meetings with team				
Status report				
Team building activity				
Report to management etc.				

The implementing agency has to prepare milestone reports as follows to track the timelines for the various activities. An illustrative MIS for milestone tracking has been provided in Table 19.

Table 19: Illustrative MIS for Milestone Tracking

Activities	J	F	M	A	M	J	J	A	S	O	N	D
Activity 1												
Activity 2												
Activity 3												
Etc.												

B. Evaluation

Program Evaluation Plan

- The implementing agency has to clearly identify an evaluation plan for key performance indicators for the services identified as a part of project implementation.
- The implementing agency also has to clearly define the means of verification of the key, rationale behind the evaluation criteria, the period for which the evaluation has been done and at what level the evaluation has been performed.