

'Preparation of Integrated Coastal Zone Management (ICZM) Project Second Phase Detailed Project Report [DPR]'

Background

1. The overall objective of the ICZM second phase project is to assist the Government of India and selected States in developing and implementing an improved strategic management approach for India's coastal zones to preserve the long-term productivity of this highly-populated region for continued sustainable development and economic growth. The pilot initiatives under ICZMP will be implemented in Gujarat with the assistance of World Bank. Ministry of Environment, Forests & Climate Change [MoEF & CC] through Society for Integrated Coastal Zone Management [SICOM] is acting as Central Nodal agency for implementation of ICZM Second phase project.
2. The objective of the Second phase of ICZM project will be achieved through a combination of targeted capacity building interventions and demonstrative pilot investments that would enhance the implementation capacity of responsible agencies. The second phase project shall need to promote an integrated approach for coastal zone management which builds on the findings and recommendations of the Swaminathan Committee Report and on a framework of multi-sectoral and multi-disciplinary involvement.
3. The project will support preparation of ICZM plans for proposed stretches in the states. In the process of preparation of such plans, the expectation is to build capacity of the State and the stakeholders such that they will prepare the ICZM plans for the other stretches.
4. Gujarat Ecology Commission is already working as State Project Management Unit [SPMU] for the implementation of ICZM Project First phase being implemented in Gulf of Kachchh. [Bidder may have more information from our website www.geciczmp.com].
5. In Gujarat, Gujarat Ecology Commission (GEC) has been acting as State Project Management Unit to implement the ICZM Second phase Project along the Gulf of Khambhat. One of the mandates of the State Project Management Unit (SPMU) aims to develop and implement an integrated management approach through implementing ICZM Second phase project for the coastal zones of Gulf of Khambhat to preserve long term productivity of this highly populated region for sustainable development and economic growth. The project shall need to includes effective strategic planning; stakeholder and public participation; conservation of the coastal resources; development of geo-spatial information system and sustainable capital investments. One of the key outcomes of ICZM Project is the ICZM plan for the Gulf of Khambhat in Gujarat.
6. The ICZM Project second phase envisaged on four major components as described here below on which entire DPR is need to be drafted.
 - a. Conservation of Coastal Natural Resources
 - b. Coastal area water & air monitoring for pollution abetment
 - c. Livelihood Security of coastal communities
 - d. Capacity Building for ICZM approaches

Objectives of the assignment

1. To prepare the comprehensive detailed project report [DPR] for the ICZM Second phase project for selected stretch of Gujarat State.

It is expected that the agency will have a Core team, consisting of relevant experts who are having sectoral experience in Natural Resource Management, Environmental Planning, Social Development, stakeholder involvement & Industrial Area Development. The Core team will be responsible for formulating, supervising the DPR formulation and drafting.

Scope of the assignment

- Gujarat Ecology Commission has drafted the Preliminary Project Report [PPR] based on the above mentioned four major components and preliminary understanding of the issues and need of interventions developed. The consultant is expected to use this document as base document for further detailing out the activities/interventions suggested in PPR.
- The preparation of ICZM Project DPR for Second phase is a complex multi-step exercise that can be described as process-driven – to ensure inclusiveness from all sectoral areas to ensure effective integration of coastal zone management. This process begins with the understanding that the various activities and resources of the coast under consideration need to be managed in a coordinated manner to ensure sustainability.
- The inception phase of the DPR shall include following two major & important activities:
 - Identification of coastal issues and stakeholders departments [in this case proposed Project executing Agency] &
 - Formulate goals, objectives of the project and define the project implementation areas
- Appraisal of baseline data already available: The Agency will collect the baselines require for preparation of ICZM Second phase DPR with focus on resources and livelihoods such as demographic status, fisheries status, administrative information, geohydrology & geomorphology of selected stretch, biological resources (mangroves, corals etc.), water resources, energy, waste disposal [industrial and domestics] etc. that are available already from various government departments and agencies. The database development is not limited as cited about but consultant is free to add other data which are the essential to understand the coastal issues prevailing in GoKh.
- Agency shall organise various consultation process with various stakeholder departments, study existing literatures to develop the understanding about the science, complexity, of the coastal zone for the Gulf of Khambhat [GoKh].
- Based on above understanding and consultation process the consultant shall determine pressures and issues pertaining to the Gulf of Khambhat coastline considering its present and future development pressures and shall be supported with adequate GIS based mapping [based on the secondary and available data only].
- The consultant shall need to formulate and determined the project implementation areas [project areas] considering ecosystem and sediment cell approaches. The consultant shall prepare the supportive GIS maps to showcase the project boundary along with ecosystem and sediment cell approaches. The project implementation areas can be selected in such a manner that it has the maximum possibility to showcase the ICZM approaches in an integrated manner.
- It is also expected that the consultant shall identified various knowledge gaps to determine the issues connected with ICZM approaches. Consultant shall also identify needs of various special studies and the same shall be made part of the ICZM Second phase project.
- Agency shall prepare the detailed structure of the DPR which includes the detailing of the various activities based on the shoreline management, pollution abatement, livelihood security, coastal natural resources conservation [Ecological Sensitive Area management] and capacity building of stakeholders department/community along with

action plan of implementation and Work brake down structure in the form of outcome and output.

- The agency is free to suggest activities to be included in the DPR based on development of more understanding about issues of Gulf of Khambhat and need to implement the ICZM interventions in the selected project stretch.
- Agency will identify all relevant stakeholders in consultation with the SPMU. Each of the identified stakeholders will be interviewed (either in individual meetings or in group meetings organized by the Agency) to develop more understanding of activities proposed in the PPR to prepare comprehensive DPR.
- Agency shall indentify the sub-activities of the selected activities and prepare its action plan along with its implementation scheduled as well as key indicators to be achieved through implementation of projects in the form of Logical Frame Work analysis.
- Agency also needs to prepare the conceptual designs [working drawings] of the proposed civil structures or any other structures as finalised during the course of preparation of DPR.
- Agency shall need to prepare the estimate based on the current market condition/prevaling SoR for the each of the selected activities. To prepare the estimate for various plantation related estimate consultant shall use the various rate structures/models developed by the Forest Department of the Gujarat State. The estimate shall be justified by the agency with suitable supporting documents. The estimates shall need to be converted into cost tables using appropriate formats which can be included as part of DPR.
- The agency shall need to prepare the implementation structure of the project in consultation with SPMU/GoG. The implementation structure shall include the need of the manpower in each of the selected PEAs and SPMU for implementation of ICZM second phase project. It is responsibility of agency to suggest required skilled manpower for implementation of ICZM Second phase project based on the nature of the activities selected and institutional strength of individual PEAs and SPMU. The role of the leading and key project manpower shall also need to be detailed out by agency in consultation with SPMU.
- The agency shall also need to develop the communication strategy for the ICZM second phase project along with detailing out of various communication/out reach campaign.
- The agency shall need to prepare the detailed monitoring and evaluation mechanism to be adopted for the ICZM second phase project using in-house strength [including suggested PEAs] as well as need of Third party monitoring and evaluation.
- The agency shall also need to develop the procurement plan for the selected activities using World Bank procurement guideline 2011 in consultation with SPMU.
- It is expected that the draft DPR will have comments from various approving agencies/organisations, hence agency is expected to incorporate all the comments received from various agencies/organisation in the draft DPR.

Deliverables & time schedule

Sr. No	Deliverables	Time Frame
1.	Inception Report: This includes mobilisation of team, understanding on the scope of works, Plan of action, preliminary outline of DPR structure, Appraisal of PPR	Within 15 days from the signing of agreement
2.	Draft DPR	Within 40 days from the signing of agreement
5.	Final Draft ICZM Plan [After testing]	Within 60 days from the signing of agreement.

Key Staff/Professionals Required

The consultant shall provide constant support to GEC as and when required to accomplish the objectives of this work. To achieve the same, following is the list workforce required with the consultant:

Core Team

	Positions	Qualification and Experience	No	Man/ Month
1	Sr. Team Leader (Nodal Person):	Masters or higher degree in Planning with Min. 20 years of post-qualification experience in management of multi-disciplinary projects related to Regional and Environmental planning.	1	2
3	Institutional Specialist	PhD with more than 10 years of post-qualification experience in Natural Resource Management and allied sectors	1	1
4	Environmental specialist	Masters in Environmental Planning and Environmental engineering with more than 10 years of post-qualification experience in relevant sectors	1	2
5	Social Development Specialist	Masters or higher degree in Social Sciences with more than 10 years of post-qualification experience in relevant sectors	1	2
6	Coastal & Marine Specialist	PhD with more than 10 years of post-qualification experience in Coastal Natural Resource Management, ICZM approaches and allied sectors	1	2
7	Financial Specialist	CA or higher degree with more than 10 years of post-qualification experience in relevant sectors	1	2

8	GIS Expert	PhD in GIS/RS with minimum 10 years of post-qualification experience in relevant sectors	1	9
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Support Team

Sr. No.	Positions	Qualification / Experience	No.	Man/ Month
1	Support Staff - Project Assistant	Bachelors or higher degree in Architecture/ Social science/ Geography / Environmental Science with Min. 3 years of post-qualification experience	1	2
2	Support Staff / Data Entry Operator	Graduate in any discipline with knowledge and fluency in softwares like MS Office, etc. And a good typing speed	1	2

Review Committee

A review Committee may be constituted for finalisation and approval of deliverables. This may consist of the Project Director, ICZMP; Additional Project Director, ICZMP, Sr. Manager Projects

Client Obligations:

The client will provide the available information as listed below

Secondary data [only available with client],

Preliminary Project Report available with client.