Terms of Reference

Assessing the potential of PIM, DLT based livelihood model, feasibility of Mate School, scoping of NRM based livelihoods and developing GIS based INRM Plans in Chhattisgarh under MGNREGA

1. Background

In 2005, Government of India passed the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA). It is an employment generation scheme in rural India with an annual budget of INR 55000 Crore for financial year 2018-19 alone. The objective of the Act is to ensure livelihood security of people in rural areas by guaranteeing at least 100 days of wage employment per year to approx. 60 million rural households whose adult members willing to do unskilled manual labour. One of the core objectives is to enhance sustainable rural livelihood through rejuvenation of the natural resource base (soil, water, vegetation) and creation of respective productive assets of prescribed quality and durability.

In April 2013, GIZ and MoRD commissioned a five year joint project "Environmental benefits through Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA-EB). The objective of MGNREGA Project is "Gram Panchayats in the selected States implement MGNREGA works with high quality taking environmental aspects into consideration." GIZ and MoRD jointly committed to this objective. The indicators to measure the resulting project objectives are:

1. In at least 75% of demonstration sites, Gram Sabha have selected the shelf of projects based on integrated NRM planning approaches
2. The Participation rate of women in planning in these Gram Sabha is at least 20% higher than before the implementation of the project.
3. The MoRD integrates MGNREGA contributions to relevant SDGs in its reporting.
4. At least 5 of the innovation in works design and implementation developed by the project to promote environmental benefits of MGNREGA are ready for national dissemination.

Overall, the project operates at the local, state and national level under the following five components:

1. Information, education, communication
2. Technical designs and guidelines of MGNREGA works
3. Maintenance of MGNREGA works
4. Monitoring of environmental and gender effects
5. Capacity development

The Project is being carried across 3 States; Andhra Pradesh, Chhattisgarh and Rajasthan.

GIZ is working in two pilot blocks of Chhattisgarh namely Kurud in Dhamtari District and Dongargarh in Rajnandgaon district. Three agencies namely ASORD, Yuva Mitra (Nashik) and Samarthan has been engaged as technical partners to support the above mentioned project objectives in these two districts.

Some of the major activities undertaken under the project so far are:

1. Reviving water regime in drought prone areas through drainage line treatment work through the adoption of micro watershed approach through development of various structures including stop dam, loose boulder check dam, gabion, check dam, bori bandhan and ponds in Dongargarh

2. Promotion of horticulture block plantation model to stabilize banks of Mahanadi river and degraded patches of land by providing usufruct rights to SHG members for its sustainable management in Kurud

3. Reviving the concept of Participatory Irrigation Management (PIM) for equitable distribution of water for irrigation purpose with convergence of MGNREGS and PMKSY

4. Provide technical support for the formation of Mate (Onsite Supervisor in MGNREGA works) School in Chhattisgarh which will cater to fulfill the objective of continuous technical inputs for the mates through a set training curriculum at par with National Skill Development Council (NSDC) norms

2. **Objectives**

1. Assess the feasibility of Mate School and understanding it in the arena of NSDC framework. Preparing the overall framework and streamline the same at State and dialogue at National level.

2. Conducting a feasibility assessment for suggesting various livelihood interventions along the DLT model undertaken in project villages

3. Assess the potential works under Command Area Development (CAD) of Mahanadi in Participatory Irrigation Management (PIM) approach for implementation in the project villages and suggest the potential of the same at State level.

4. To scope out the NRM livelihoods models based on works completed / ongoing in the state of Chhattisgarh under MGNREGA and propose the top ten such models

5. To support GIZ to propagate the GIS process of INRM planning under MGNREGA in the state and the MGNREGA technical officers to develop GIS assisted INRM plans

3. **Scope of work**

Task-1 (Time duration: May – July, 2018)

- Asses the feasibility of mate school in the State with reference to the provisions laid down in MGNREGA with reference to the two mate school models initiated in Kurud and Dongargarh blocks
- Assess the technicalities of the present module developed by GIZ and suggest for incorporation of changes at par with NSDC norms
- Develop the revised curriculum and conduct at least two to three meetings with NSDC for finalizing the same
- Conduct two training sessions for key stake holders and the GIZ State partners on the revised curriculum of mate school

Task-2 (Time duration: May – Sept, 2018)

- Assess scientifically water storage potential in each structure and its potential to irrigate land (acres)
- Suggest and propose alternative livelihood interventions across the treated drainage line across 13 project villages
- Map the impact of the interventions in the drainage line and projecting the impact of

the intervention at District and State level

- Train and orient farmers and technical partners to adopt the suggested livelihood activity
- Prepare a SOP of the DLT based livelihood model

Task -3 (Time duration: May – Sept, 2018)

- Conduct scoping study for optimum utilization of Gangrel (R S Sagar) Irrigation dam built over Mahanadi to provide water for irrigation up to tail-end farmers.
- To develop pilot irrigation plan (minor/sub-minor and field channels) implementable under MGNREGA in convergence with PMKSY for tail-end farmer anticipating to increase water distribution efficiency for Kurud Block and or Dhamtari district.
- To develop SOP on development of irrigation plan as briefed in above
- Capacity building of key stakeholders including GIZ partners on the concept of CAD and orientation of the SOP
- Indicate the prospects of CAD in the State through a dialogue with PS, ACS and Commissioner of Rural Development Department

Task-4 (Time duration: May – Aug, 2018)

- To do the secondary research for the completed NRM works in all blocks of Chhattisgarh under MGNREGA and other projects and analyze the information for the objective of the task.
- Analyze the State Rural Livelihoods Mission (Bihaan) and other flagships schemes / International agencies like World Bank interventions in the state in context of NRM based livelihoods.
- Propose the possible linkages / convergences of NRM asset under MGNREGA and SRLM and other agencies' interventions
- To develop the SOP / Implementation Strategy for Best 10 such convergent INRM livelihood models

Task-5 (Time duration: May – Nov, 2018)

- To support the MGNREGA functionaries of districts and all blocks of select blocks / cluster as decided by state government for developing the Geographical Information System (GIS) assisted Integrated Natural Resource Management Plans for their respective GPs (100 from each district). The process of developing such plans will be guided by GIZ team.
- To support the functioning of GIS Facility Centre at SIRD , Nimora , Raipur through trainings on GIS based approach on planning
- To support NGO partners and State Government and GIZ for GIS related tasks which may get evolve during the assignment period

4. Required Qualifications and Experience

- The qualifying agency should have deep understanding of NRM, livelihood development, Participatory irrigation management along with strong documentation skills.
- Minimum of 5 to 10 years of research and documentation in NRM and livelihood based projects in India
- Experience of working with state / union government and its agencies will be an added advantage
- Have networks of experienced consultants of relevant subjects (Watershed, CAD, GIS, NRM, Data Analysis, Research for Training Schools)

4.1. The specific eligibility criteria for company is listed below

a. Agency should have following administrative and financial requirement in conducting the assignment:

- Average annual turnover for the last three financial years should be at least 100, 000 Euro.
- Number of employees as at 31.03.2018 should be at least 10 persons.
- Agency must have handled at least 2 projects (minimum commission value of Euro 50,000) on rural livelihoods in last 3 years
- Substantial experience in taking short term consultancies in rural development especially in livelihood sector.
- Professionally qualified Experts with experience (at least 5 years) on computer based modules, GIS and research in rural development sector.
- Professionally qualified on designing and facilitating, technical assistance to flagship programmes and experience in dealing with the Government of India / State Government
- Prior experience of similar kind of projects in India or other developing countries. Prior experience of working with GIZ would be preferred.
- Experience of preparing technical documents on livelihoods, natural resource management and training on these subjects.
- Excellent reporting and writing skills with the ability to coordinate inputs form a wide variety of sources as well as structure and synthesize the inputs and experience of documentation.

b. The Agency/ consortium should present a pool of experts with specific requirements/ responsibilities as detailed below:

- **Team Leader (1) – 10 Days**

Management Graduate with technical qualification on agriculture / natural resource management / Rural Development with minimum 10 years of experience and in engaging and liaising with different government and non-government stakeholders in India and other emerging economies. Proven experience in coordinating and managing inter-cultural teams and delivering results. CV detailing expertise in related areas should be included.

- **Watershed & CAD Expert (1) – 40 Days**

Civil / Soil Water engineer with minimum 10 years of experience and technical expertise in the field of Watershed and Command Area Development with vulnerability assessment and risk mapping pertaining to agriculture water sector. Demonstrated expertise in working closely with the national and state governments on water projects in the field of agriculture and rural development. CV detailing expertise in related areas should be included in the proposal.

- **GIS Expert (1) – 80 Days**

Masters in Computer Science with at least 5 years of experience of working on Geographical Information System (GIS) at regional, national/ sub-national level for development sector especially in Natural Resource Management / Rural Development and capacity building. CV detailing expertise in related areas should be included.

- **Researcher on Mate School (1) – 20 Days**

Graduate in Agriculture Extension or equivalent discipline with 5 years of experience of capacity building in rural areas in context to public works programs. Experiences of feasibility studies on capacity building informal institutes / entities will be an added advantage. CV detailing expertise in related areas should be included.

- **Researcher on NRM Livelihhods (1) - 20 Days**

Post Graduate in Social Science / Agriculture with minimum experience of 8-10 years in rural development. Experience of research and developing strategies for government projects like Livelihoods Mission, Farmer Producer Organizations / MGNREGA etc will be desirable. CV detailing expertise in related areas should be included.

- **Documentation Expert (1) – 20 Days**

Graduate with good writing skills with at least 5 years of experience of documentation and editing related to development issues in developing countries. CV detailing expertise in related areas should be included.

5. Submission Requirements:

The **technical offer** should include:

- A presentation of the professional experience and knowledge of the consultants in the fields of rural livelihoods and development as well as quantitative and qualitative research methods;
- A list of relevant project experience and/or publications in the field of rural development, livelihoods and farmer producer organisation / MGNREGA.
- A brief (1-2 pages) outline of a draft methodological approach for the assignment.

6. Deliverables

- Individual detailed reports for first 4 tasks accomplished with its power point presentations
- 200 INRM GIS assisted plans for Chhattisgarh under MGNREGA

7. Reporting and Coordination

- An inception meeting at Delhi / Raipur and subsequently its report within two weeks of the award of the contract.
- A compiled final report at the end of the assignment not later than 1st of December, 2018

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The Organization / Consultant shall coordinate with the Technical Expert at GIZ Delhi office and State Coordinator, Chhattisgarh and report to Director NRM, GIZ New Delhi.

8. Total Person days

190 days

9. Location of the assignment

Dhamtari, Ranandgaon districts and Raipur / Naya Raipur in Chhattisgarh and Delhi