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Terms of Reference

Technical Support for operationalization of "Saksham GIS Facility Centre" for Strengthening INRM Plan Preparation Supported by Geo-spatial Techniques in Rajasthan under MGNREGA

1. Background

Government of India is implementing Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA), with the objective to ensure livelihood security of people in rural areas by guaranteeing at least 100 days of wage employment every year to approximately 70 million rural households whose adult members willing to provide 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 the project is "Gram Panchayat in the selected State implement MGNREGA works with high quality taking environmental aspects into consideration." 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

A set of indicators for monitoring and evaluating the quality and environmental and gender impacts of the works have been developed and tested.

Strengthening GIS assisted Convergent Planning & Implementation of Mission Water Conservation under MGNREGA in being focused in Rajasthan. The aim of the initiative is to facilitate participatory processes for planning & implementation, setup maintenance systems and build up capacity of local team (panchayat representative, local institutions) for developmental planning based on convergence of MGNREGA and flagship schemes. The village planning exercise is being strengthened with application of modern technology of Geographic Information System (GIS).This is helping them in arriving at informed planning decisions through optimisation exercises based on convergence of traditional geographical knowledge and data obtained through application of modern technology of GIS, Remote Sensing and Global Positioning System.

In last two years (2015-2017), State government of Rajasthan, has been taken proactive measures to facilitate participatory processes for INRM works with application of modern technology of Geographic Information System (GIS). About 2000 technical officials located at state, district and block had participated in capacity development initiatives organised under SAKSHAM programme of MoRD & state, supported by GIZ. State technical officials also played important role as NTRT members and accompanied GIZ team in STRT training

across India to facilitate GIS supported planning sessions for INRM works under SAKSHAM conducted by MoRD, GoI. Apart from capacity building initiatives, State government also have taken innovative steps for GIS assisted INRM planning at state and national level, mentioned as under:

- India's 1st Model "GP level INRM Plan for MWC under MGNREGA" supported by GIS technology prepared & mainstreamed in the state and up-scaled at national level.
- Handbook on GIS assisted INRM planning for MGNREGA published by MoRD, GoI, that's is developed on Rajasthan experiences piloted under MoRD-GIZ project.
- Animation film (Hindi & English) on GIS assisted planning used as capacity building tool in STRT trainings.
- 3 D model on GIS assisted planning represented Saksham capacity building programme exhibition in Nanaji Deshmukh Birth Centenary celebration on 10-11 October, 2017 at Delhi.
- Study on Convergent Planning Process (IPPE, CFT & GIS based) for NRM in MGNREGA in Rajasthan conducted for MoRD, GoI.
- SAKSHAM GIS Facility Centres' concept developed & mainstreamed at MoRD, GoI for upscaling country wide.

2. Description of the Assignment and Objectives

MoRD, GoI has decided to pilot GIS technology assisted INRM Planning national level and state government to up-scaled state wide. It has been decided SAKSHAM Capacity Building exercise need to be supported by the basic infrastructural requirements to facilitate the cadre to process the information available at different sources.

MoRD, GoI has decided to take up the initiative and GIZ offered to provide support for SAKSHAM Capacity Development exercise and piloting concept of "Saksham GIS Facility Centre" in state of Rajasthan. 11 "Saksham GIS Facility Centre" have been established at divisional & agro-climate zones in the state of Rajasthan to provide technical backstopping to prepare GP INRM Plan supported by Geo-spatial Techniques.

The main objectives of the assignment are:

1. To provide technical backstopping for operationalization of "Saksham GIS Facility Centre" in the state of Rajasthan.
2. To build the capacity of the MGNREGA functionaries responsible for planning to develop INRM plan under MGNREGA supported by Geo-spatial Techniques.
3. To facilitate the process for preparation of GP INRM plan under MGNREGA supported by Geo-spatial Techniques.

4. **Scope of work**

1. To provide technical backstopping for operationalization of "Saksham GIS Facility Centre" at 1. Kota 2. Jhalawar 3. Bikaner 4.Churu 5. Bharatpur 6.Jaipur 7. Jodhpur in the state of Rajasthan.
2. To facilitate capacity building exercise for the MGNREGA functionaries responsible to prepare INRM plan for their respective GPs (1000) under MGNREGA supported by Geo-spatial Techniques using Saksham GIS Facility Centre. The process of developing such plans will be guided by agency engaged by GIZ.
3. Technical backstopping to the Saksham GIS Facility Centre personnel deputed by the state
4. To support state government and GIZ need based activities related to INRM Plan preparation supported by Geo-spatial Techniques.

4. Required Qualifications and Experience

- The qualifying agency should have deep understanding of NRM, MGNREGA, livelihood development, 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 (NRM, MGNREGA, livelihood development, Watershed, GIS, Data Analysis and Research)

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 15 persons.
- Agency must have handled at least 2 projects on NRM, agricultural and rural livelihoods in last 3 years with minimum commission value of 50,000 Euros
- Substantial experience in taking short term consultancies in rural development especially in livelihood sector
- Professionally qualified Experts with experience (at least 3 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
- Minimum 10 years of experience and technical expertise in the field of rural and agriculture development with government and non-government stakeholders in India.

- 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) – 35 Days

Post Graduate with technical qualification on agriculture / natural resource management / rural Development with minimum 15 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.

-GIS Expert (5) – 770 Days

Masters of Science & and technical qualification on RS& GIS with at least 3 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. Working experience on handling GIS Projects for NRM & MGNREGA in the state of Rajasthan, will be an added advantage. 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, NRM and MGNREGA.
- A brief (1-2 pages) outline of a draft methodological approach for the assignment.

6. Deliverables

- Detailed reports for tasks accomplished with its power point presentations
- 1000 INRM plans assisted by Geo-spatial Techniques for state of Rajasthan under MGNREGA

7. Reporting and Coordination

- An inception meeting at Delhi / Jaipur 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 28th February, 2019

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

8. Total Person days

805 days

9. Location of the assignment

State of Rajasthan and specifically at Saksham GIS Facility Centre i.e. Kota, Jhalawar, Bikaner, Churu, Bharatpur, Jaipur, Jodhpur and Delhi