TERMS OF REFERENCE

Impact assessment of 'Environmental Benefits through the Mahatma Gandhi Rural Employment Guarantee Act' (MGNREGA-EB) Project of GIZ India in three partner states for the provided framework of Planning, Monitoring & Information Tool (PMIT)

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

For over 60 years, the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH has been working jointly with partners in India for sustainable economic, ecological, and social development. India is fast emerging as an economic and industrial power. The thematic areas of GIZ in India are: Energy, Environment, Climate Change and Biodiversity, Sustainable Urban and Industrial Development and Sustainable Economic Development. The Federal Ministry for Economic Cooperation and Development (BMZ), the Federal Ministry for Environment, Nature Conservation, Building and Nuclear Safety (BMUB) as well as the Federal Ministry for Economic Affairs and Energy (BMWi) are the main commissioning parties of GIZ in India. Other clients include Indian public sector clients, the European Union and foundations.

Project Background

The MGNREGA-EB Project is commissioned by the German Federal Ministry for Economic Cooperation and Development (BMZ) in partnership with the Ministry of Rural Development (MoRD), Government of India and is being implemented by GIZ India for the duration April 2013-March 2019. Apart from the national level, the project is operational in three States namely, Andhra Pradesh, Chhattisgarh and Rajasthan.

Table 1. Project States, districts, blocks and Gram Panchayats

State	District	Block/Mandal	Gram Panchayat
Andhra Pradesh	1. Vizianagaram 2. Anantapur	1. Gurla 2. Bukkapatnam	1. Girida, Tettangi 2. Bukkapatnam, Agraharam
Chhattisgarh	1. Rajnandgaon; 2. Dhamtari	1. Dongargarh; 2. Kurud	1.Jhandatalab, Shiwnikala, Bijnapur 2. Nari, Parkhnada
Rajasthan	1. Chittorgrah; 2. Bhilwara	1. Chittorgrah; 2. Kotri	1. Abhaipur, Sehenwa 2. Nandrai, Kankroliya Ghati

The project identified core focus areas for demonstrating the positive effect of MGNREGA works on generating environmental benefits[1]. The focus areas included works related to water conservation, improvement of vegetation and soil. Developing the Natural Resource Management base of these GPs will provide short, medium and longer term environmental benefits. During such process project interventions aimed at strengthening capacities of GPs to better implement MGNREGA works related to environment benefits. This included increasing awareness about environmental benefits among all the stakeholders, helping

[1] Suggested reading: Environmental Benefits and Vulnerability Reduction through Mahatma Gandhi National Rural Employment Guarantee Scheme by Indian Institute of Science, Bangalore; http://nrega.nic.in/Netnrega/WriteReaddata/Circulars/Report_Env_Benefits_Vulnerability_Reduction.pdf

GPs to improve planning and implementation of technically sound and environment related works, supporting in better maintenance and monitoring of these works. Women and members of marginalized communities will receive specific focus.

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

1. Technical designs and guidelines of MGNREGA works
2. Maintenance of MGNREGA works
3. Monitoring of environmental and gender effects
4. Capacity development & Knowledge management
5. Reporting of SDGs for MGNREGA

MGNREGA is a flagship programme of MoRD, India and primarily aims at providing 100 days of guaranteed wage employment in a financial year to the rural households. With an allocation of EUR 7.33 billion for Financial Year 2018-19 alone, MGNREGA currently includes 120 million households registered as beneficiaries, and supports the livelihood of over 60 million households every year.

Table 2. The list of key models demonstrated by project in three states

Sl. No.	Title of Intervention	District	State
1.	Rejuvenation of traditional tank cascades	Vizianagaram	Andhra Pradesh
2.	GIS Facilitation Centre	Vizianagaram	
3.	Root zone watering through System of Water for Agricultural Rejuvenation (SWAR)	Anantapuramu	
4.	Greening of hillocks	Anantapuramu	
5.	Percolation Tanks	Anantapuramu	
6.	Injection wells	Anantapuramu	
7.	Tall plants seedlings nursery under MGNREGA	Anantapuramu	
8.	Micro-model for dry land farming	Anantapuramu	
9.	Participatory Irrigation Management (PIM)	Dhamtari	Chhattisgarh
10.	Drainage Line Treatment (DLT)	Rajnandgaon	
11.	Antodaya Vaatika- Horticulture Plantations	Dhamtari	
12.	Mate School	Dhamtari & Rajnandgaon	
13.	Model Gothan	Dhamtari	
14.	GIS Facilitation Centre	Raipur	
15.	DLT & Water Harvesting Structures	Chhitorgarh & Bhilwara	Rajasthan
16.	GIS Facilitation Centres	Chhittorgarh & Bhilwara	
17.	Waste Land Development	Chhittorgarh	
18.	Horticulture plantation	Chittorgarh	
19.	Development of traditional water bodies	Bhilwara	
20.	GIS Facilitation Centre	Chhittorgarh & Bhilwara	Rajasthan

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Objective of the study

To assess the impact of project NRM interventions and processes, through provided PMIT framework, which might have improved the natural resource base in the project areas.

Scope of work

The agency would need to look at the material available with the project, as well as visit the field sites in the 3 States as per tables 1 & 2, interacting with beneficiaries and other stakeholders to understand the impact of project.

1. To measure the status of achievement of indicators for 4 major outputs of the project as per PMIT matrix developed by the project in context to major outcome of the project.

   "GP implements MGNREGS measures with high quality taking environmental impacts (water, land & vegetation) into consideration"

   The 4 key outputs of the project are

   a. Planning & technical Implementation of MGNRES measures based on improved technical approaches & tools for convergence with other schemes
   b. Models to enhance EB based project developed guidelines and procedures have been successfully introduced
   c. MoRD is enabled to report on MGNREGS contributions to relevant SDGs
   d. Capacity development approaches under MGNREGS innovated through use of ICT, manuals etc. leading to higher use and impacts by MGNREGS functionaries at block & GP level on EB & gender aspects

   The respective indicators to above outputs are

   a. Output A

   i. Five improved technical designs and a GIS based approach have been shared with MoRD/ three state governments
   ii. The improved technical designs and handouts are used in at least 100 *Gram Panchayats*, other than pilot *Gram Panchayats*
   iii. Twenty *Saksham* GIS Planning Support Cells to assist the GIS based planning approach are piloted

   b. Output B

   i. Five peer reviewed studies of models, which confirm the functionality of EB oriented selection and maintenance of assets, are shared with MoRD/ states for mainstreaming
   ii. At least 70% of works are managed by functional user groups
   iii. At least 6 initiatives for enhanced incomes from EB based works are underway, through support by relevant local institutions
   iv. Four training modules of the innovative models to promote the EBs of MGNREGA were conducted for MoRD / states.

   c. Output C

   i. A phase wise operational plan (incl. methodology) for measuring and reporting of MGNREGA's contributions to relevant SDGs is shared with MoRD
   ii. A Training of Trainers (ToT) module for data collection and reporting of MGNREGA's SDG contributions is conducted at the national level.

d. Output D

i. Ten improved courses or modules are demonstrated and evaluated positively by participants in three project states.

ii. Two training programs per state incorporating environmental effects on women are conducted in each of the three states

iii. Five Guidelines for five types of selected models are submitted to three states/MoRD for mainstreaming

Travel Routes for the project areas

S.No.	State	Travel Routes
1.	Andhra Pradesh	Vishakhapatnam by flight; Vishakhapatnam to Vizianagaram by road – 60 kms
2.	Andhra Pradesh	Bengaluru by flight Bengaluru to Bukkapatnam by road- 130 kms Bukkapatnam to Anantpuramu by road 50 km
3.	Andhra Pradesh	Vijayawada by flight
4.	Chhattisgarh	Raipur by flight. Raipur to Kurud / Dhamtari by road: 60 kms Raipur to Dongargarh / Rajnandgaon by road: 150 kms
5.	Rajasthan	Jaipur / Udaipur by flight.
		Udaipur / Jaipur Airport to Bhilwara by road: 200 – 230 kms Bhilwara to Chhittorgarh by road: 62 kms Chittorgarh to Udaipur Airport by road: 110 kms

Duration

October, 2018 – January, 2019 (3 months)

Required qualification/ experience for the consulting agency

a. ***Agency should have following experience in conducting the assignment:***

The agency is required to submit detailed technical and financial proposal comprising a profile that contains the current CVs and summary of relevant professional experiences of both—organizational as well as individual experts.

- Professionally experienced on conducting impact assessments for Government of India and/or bi-lateral/ multi-lateral projects.
- Professionally qualified experts with at least 5 years of experience on M&E, Impact Assessment, research, documentation related projects in rural development sector in India.
- Professionally experienced in field level impact assessments using quantitative and qualitative data collection methods.

b. 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 50,000 Euro

- Number of employees as at 31.12.2017 should be at least 5
- The technical assessment is only based on reference projects with a minimum commission value of 20,000 Euro

Experts and Person Days Required:

1. **Team Leader - Rural Development Expert** - 30 days
   With experience of 15 years of RD sector especially in Monitoring & Evaluation of bilateral and or flagship schemes of social protection, agriculture and natural resource management. The expert should also act as team leader and drive the assignment for its expected outcomes against the project outputs indicators.

2. **NRM & MGNREGS Expert**– 30 days
   A subject matter expert in the field of Natural Resource Management/ Watershed management with experience of 15-20 years. Some knowledge on application Geographical Information System (GIS) tools for development of rural areas will be desirable. A first-hand knowledge about MGNREGS is highly desirable. The expert should lead in designing the impact framework for the study and analyse its outcomes along with other experts.

3. **Capacity Development Expert**– 30 days
   An expert with experience of 10 Years for the capacity development in govt. sector / large scale public schemes like MGNREGS especially for planning of labour budget / shelf of projects. The CB in context to women empowerment / gender based issues will be an added advantage. The expert should be contributing towards designing the impact study framework for its CB component and should be able to analyse the achievement of project for its CB interventions.

4. **Documentation Expert** – 30 days
   A knowledge management expert with 5 years of experience in documentation of various reports and publications of projects especially related to rural development, social protection, natural resource management. The expert should be able to deliver a final professional report and presentation of the outcomes of the assignment.

5. **Researchers** – 3 (1 for each state) – 60 days in total
   The experts should have previous experience of conducting surveys and primary data collection for rural development / social protection/ NRM / Watershed based projects. The experts should be able to engage the respondents in an interactive manner to get the desired information / data set efficiently.

Qualification of the agency

i. Experience of large scale M & E projects in rural development involving bilateral & multilateral partners
ii. Project implementation experiences in the thematic areas of NRM & Rural Development
iii. Previous engagement of the agency with MGNREGS & GIZ is highly desirable.
iv. National level entity with experiences of working in the states especially in Andhra Pradesh, Rajasthan & Chhattisgarh

v. Professional reporting and timely submission of outputs are the minimum service delivery benchmarks for the agency

Note: Consortium of maximum two agencies is permissible

Estimated total person & Travel days

180 person days & 70 days of travel in the project areas

Reporting

I. Inception report within 3 weeks from the award of the contract to provide with the actual frameworks of the impact study after initial consultations with stakeholders
II. Draft report and its presentation before the two weeks or before the end date of the contract
III. A presentation on the draft outcomes to GIZ and MoRD
IV. Final report and presentation on or before the end date of the contract

Coordination

The agency / consultants will coordinate with Technical Experts for the project at New Delhi & three project states and will report to Director, NRM, GIZ India, New Delhi