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General information

a. Brief information on the project

IGEN Access-II Programme is geared to specialists and managers at state-run and private energy companies, to providers of financial and other services and to private and public training facilities and networks. Acting through these intermediaries, the module will indirectly reach the rural population who will then benefit from a modern, environment-friendly, high-quality energy supply, irrespective of gender, age, income or ethnicity.
It is expected that implementing the below-mentioned measures will increase the share of RE in rural areas of the partner federal states, and thus boost diversification in the Indian energy matrix (results hypothesis). In the long term, expanding RE will reduce the need to operate conventional power plants and thus increase their capacities. The upshot: fuel savings and reduced emissions of climate-noxious gases. In this way, the project will make another important contribution to a sustainable and above all eco-friendly energy supply in India, thus contributing directly to the achievement of the programme objective.
The programme aims to improve rural energy supply in selected Indian federal states. Therefore, one of its key elements centres on strategic advice for decision-makers (e.g. relevant Ministries, State Nodal Agencies and other departments) regarding the initiation of a cross-sector energy planning process for rural areas. Secondly, the module will work on improving overall sector environment by facilitating access to finance, improving capacities and awareness for demand and supply side stakeholders. In addition, development of concepts to explore role of decentralized renewables in special conditions, like disaster prone areas, livelihood generation etc is also planned. All this will lead of more affordable and reliable access of power in rural areas. The achievement of the programme objective can be measured using the following indicators:

1. Implementation of one component from the energy plans (e.g. remuneration system for integrated decentralized energy systems, subsidy programme for promoting electric mobility) is funded in 2 federal states respectively.
2. The number of RE systems sold to rural users by module-backed providers has quadrupled.
3. 4 recommendations elaborated by the module for improving the quality of the energy supply under certain specific conditions are implemented.

4. 40% of women-led Village Level Enterprises (VLEs) that disseminate RE confirm that their standard of living has improved.

b. Context

India has emerged as the world's fastest growing economy; the Government of India has incorporated renewable energy in its strategy with ambitious targets of 175 GW of renewable energy by 2022 to reduce the fossil fuel dependence and increase the environmental and social benefits. The unmet energy demand and global consensus to move towards clean energy presents a huge business opportunity. Off-grid renewable energy solutions like decentralized renewable energy (DRE) systems have a huge potential and an important role to play in providing access to energy to various beneficiaries in the country. With the ever-evolving technologies in the sector, supporting policy development and other regulations, it is important to keep track of such inducive inputs to the sector.

To achieve the indicators mentioned (under the Brief information on the project), IGEN Access-II is closely working with its core implementation partner i.e. Ministry of New and Renewable Energy(MNRE), GOI. This includes conceptualisation of various activities, liaising with various govt departments and other stakeholders in the sector, and implementing various activities on ground.

To this end, GIZ seeks to engage with an individual consultant with the following objectives:

- To provide technical assistance under the program, as per the requirements of Ministry of New and Renewable Energy (MNRE, GOI) and GIZ.

c. GIZ shall hire the contractor for the anticipated contract term, from May 2021 to March 2022.

d. The contractor shall provide the following work/service :

The contractor engaged through this ToR will be responsible for providing the following services:

- To carry out secondary/desk research activities and to compile/develop appropriate knowledge base in the renewable energy areas especially on the topics of biomass/ waste to energy.
- Assessment of regional/national/international sectoral assessments and to carry out trend assessment.
- Facilitating intra/inter sectoral dialogs, knowledge/know-how exchange, sensitization process to explore synergic opportunities.
- Assisting IGEN Access-II and/or its partner(s) (especially MNRE) in designing program and allied activities.
- Writing/ reviewing/ assessing documents and preparing key project documents.
- Undertaking communication and other assignments.
- Field visits (Survey) and other official visits to concerned government departments

Deliverables

Given the above listed tasks and activities, the bidder is required to deliver the following output:

- Prepare and provide input papers on 10 areas identified by GIZ/MNRE.

- Analyse and prepare status report on at least 10 Renewable energy-based technologies/regulations/policies etc.
- Monthly timesheets detailing time utilisation and evidence of effective delivery like Minutes of meetings, research inputs on requested topics, etc;
- Quarterly activity reports;

All deliverables should be in line with the details mentioned in the tasks. These will be considered only after approval from GIZ and payments will be made accordingly.

Tender requirements

1. Qualifications of proposed staff

1.1 Expert : Research Analyst

1.1.1 General qualifications

Education: Bachelors degree in Engineering or Techno-managerial course like power/energy management.

Professional experience:

- Proven experience of at least 3-5 years of working in energy sector; preferably in renewable energy sector and should be well versed with RE technologies, RE integration opportunities/issues/challenges, policy and national/international best practices.
- Experience of managing/carrying out desk research, data-compilation, data analysis. He/She should be well versed with commonly adopted research methodology/tools and statistical tool
- Experience in working in/with/for Government in designing / implementing program / policies, preferably (renewable) energy policies
- Experience of bi/multi-lateral development projects particularly that of technical assistance programs.
- Proven experience of interpersonal communication, presentation skills, computer proficiency, writing reports and documentations (non-negotiable)

1.1.2 Experience in the region/knowledge of the country:

Proven experience of executing at least 2 complex multi-state projects, which required extensive travel and co-ordination

1.1.3 Language skills:

Good business language skills in English and Hindi (functional knowledge any other regional language would be advantageous)

3. Specification of inputs

Fee days	**Number of experts**	**Number of days of expert**	**Comments**
• Preparation/debriefing • Implementation	1	Upto 120 days	As per the need and requirement asked by GIZ/MNRE
Travel expenses		**Number of days/nights up to**	**Comments**
• Per diem • Accommodation allowance	1	Upto 20 days Upto 20 days	Travel Sectors: **Uttar Pradesh, Gujarat, Assam, Karnataka and Madhya Pradesh (3 days travel in each state).**
• **Other travel expenses**			**Comments**
• Number of domestic trips		10	
• Local Travel		10	
• Ancillary travel expenses (e.g. visa, airport transfers)			
• **Flights**		**Number of flights up to**	**Comments**
• International flights		NA	NA
Domestic flights		10 round trips	Travel Sectors: **Uttar Pradesh, Gujarat, Assam, Karnataka and Madhya Pradesh (3 days travel in each state).**
• **Other costs**			**Comments**
• Intercity Travel by Train, Bus or Taxi			Travel Sectors: **Uttar Pradesh, Gujarat, Assam, Karnataka and Madhya Pradesh (3 days travel in each state).**

As this is a need based assignment, there may be a change in the locations at a later stage as proposed by MNRE and as per the project requirement, however the consultant will have to take prior approval from GIZ to pursue the travel to a different sector not mentioned above.

Calculate your financial bid exactly *in line with the quantitative requirements of the specification of inputs above. There is no contractual right to use up the full days/travel or workshops or budgets. The number of days/travel/workshops and the budgets will be contractually agreed as* ***maximum amounts****. The regulations on pricing are contained in the price sheet.*

Note:

- If restrictions are introduced to combat coronavirus/COVID-19 (restrictions on air travel and travel in general, entry restrictions, quarantine measures, etc.), GIZ and the contractor are obliged to make adjustments to their contractual services to reflect the changed circumstances on the basis of good faith; this may involve changes to the service delivery period, the services to be delivered and, if necessary, to the remuneration.

The bidder must note that the assignment requires the other following measures:

a. Depending upon need the consultant need to spend 140 days (approx. 10-12 days /month) between May 2021 - Mar 2022 **(extendable based on need and performance).**

b. The consultant may be required to be physically present in MNRE or GIZ office, as required, for carrying out specified tasks for better co-ordination and effective communication, for this reason Delhi/NCR based consultants are desirable for ease co-ordination and meeting on quick notice.

c. The consultant will report to the IGEN Access II project manager(s) and work closely with both GIZ and MNRE

d. The consultant needs to deliver necessary information, processed data and/or strategic suggestions/ideas, as requested for, in a time bound manner.

e. Must be equipped with all the necessary gadgets/services like Laptops, Mobile phone, internet connections etc. to deliver the responsibilities.