

Terms of reference (ToR) for the procurement of services below the EU threshold

CONFIDENTIAL

	Project number/
Consultancy services for a comprehensive Pre-Feasibility Assessment for the Rejuvenation and Climate-Resilient Multi-Functional Development of the Kotha Cheruvu, Rudaram-Isnapur Municipality, Telangana	cost centre: G-011597-003
0. List of abbreviations	2
1. Context.....	3
2. Tasks to be performed by the contractor	4
3. Concept.....	7
Technical-methodological concept	7
Project management of the contractor (1.6)	8
4. Criteria for eligibility of firms	8
5. Personnel concept.....	10
Team Leader / Urban Resilience Expert (30 days) (Refer TAG-1).....	10
Key expert 1: Urban Planning and Infrastructure Specialist (40 days) (Refer TAG-1) ..	11
Key expert 2: Landscape Specialist (40 days) (Refer TAG-1).....	11
Key expert 3: Hydrologist (35 days) (Refer TAG-1)	12
Key expert 4: GIS / Spatial Analyst (30 days) (Refer TAG-2).....	13
Key Expert 5: Financial Analyst and Revenue Model Development Specialist (30 days) (Refer TAG-2)	13
Key Expert 6: Environmental and Social Safeguards Specialist (20 days) (Refer TAG-2)	14
Expert pool with minimum 2, maximum 2 members (Refer TAG-2)	14
6. Costing requirements	15
Assignment of personnel and travel expenses	15
Sustainability aspects for travel	15
Workshops and meetings with relevant stakeholders	17
7. Inputs of GIZ or other actors.....	17
8. Requirements on the format of the tender	18

0. List of abbreviations

AMRUT	Atal Mission for Rejuvenation and Urban Transformation
AVB	General Terms and Conditions of Contract for supplying services and work
BGI	Blue Green Infrastructure
BMZ	German Federal Ministry for Economic Cooperation and Development
CITIIS	City Investments to Innovate, Integrate and Sustain
DPR	Detailed Project Report
EU	European Union
GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
GoI	Government of India
LNOB	Leave-no-one-behind
NBS	Nature Based Solutions
MoHUA	Ministry of Housing and Urban Affairs
PMAY	Pradhan Mantri Awas Yojana
SBM	Swachh Bharat Mission
SCM	Smart Cities Mission
SDG	Sustainable Development Goals
SUDSC II	Sustainable Urban Development – Smart Cities II
ToR	Terms of reference
ULB	Urban Local Body
WASH	Water, Sanitation, and Hygiene

1. Context

India's ongoing rapid urbanization is set to intensify, with over half the population projected to reside in cities by 2050, exacerbating critical challenges in water supply, disaster risk, and climate change impacts. The Government of India (GoI) has proactively addressed these issues through key national initiatives like the **AMRUT, Smart Cities, PMAY-U, and SBM-U Missions**. Despite these significant reforms and programs, the effective capacity for applying integrated, resilient, and sustainable urban development approaches across the country remains generally limited, highlighting a gap in the implementation of risk-informed urban strategies.

The Indo-German technical cooperation project Sustainable Urban Development – Smart Cities II (SUDSC II) is being jointly implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH and the Ministry of Housing and Urban Affairs (MoHUA), GoI, for supporting the Government of India, Assam, Karnataka, Telangana, Tamil Nadu, Kerala and Odisha in developing resilient, sustainable approaches and solutions for sustainable urban development by considering disaster risk management, leave-no-one-behind (LNOB) and including aspects of gender. The project supports the smart cities of Bhubaneswar, Coimbatore, Guwahati, Kochi, Mangaluru and Manikonda in implementing the concepts of risk-informed, integrated, resilient, and sustainable urban development in risk-informed, integrated, resilient, inclusive, and sustainable urban development.

At national, state, and city levels, the project aims at anchoring resilient, sustainable approaches and solutions for urban development including infrastructure that consider gender-transformative approaches, disaster risk management, and LNOB principle, within the context of various programmes and missions of GoI.

Further, the project intends to address sustainable urban development through four components: **a) Policy Support:** supporting the implementation of regulatory planning frameworks for resilient and sustainable urban development, that considers disaster risk management and leave no one behind, **b) Capacity Development:** strengthening of capacities of relevant stakeholders and institutions on resilient and sustainable urban development, **c) Innovative, Data-Based Projects:** introducing open innovation and data-driven decision making in risk-informed, inclusive, resilient and sustainable urban development, **d) Knowledge Exchange:** fostering knowledge networks to foster peer-to-peer exchange through communities of practice on relevant subjects to promote sustainable urbanisation.

In addition, to strengthen and revitalise the global partnership for sustainable development and the Paris Agreement on climate change, **the European Union (EU) supports SUDSC II** in the implementation of the action “**Support to Sustainable Urbanisation in India**” through improved urban planning, governance, and access to sustainable basic services, with an emphasis on sharing EU best practices and identification & promotion of bankable projects.

SUDSC II is supporting its six partner states - Tamil Nadu, Kerala, Odisha, Karnataka, Assam, and Telangana - by implementing training on bankable projects, attended by many Urban Local Bodies (ULBs) from the region. The training is aimed at equipping cities with the skills and knowledge necessary to identify, design, and implement bankable urban infrastructure projects, potentially unlocking sources of finance for their development.

During the training, cities gain a comprehensive understanding of the project life cycle—from concept development and feasibility analysis to project preparation. Key topics include developing strategic business cases, identifying sustainable revenue sources, exploring financing channels, and understanding project appraisal and procurement strategies. The sessions also emphasize critical themes such as urban resilience and gender inclusivity in infrastructure planning.

With global cities transitioning toward low-carbon, climate-resilient growth, the integration of Blue-Green Infrastructure (BGI) is no longer just an environmental mandate but a strategic economic driver. While Sponge Park methodologies effectively mitigate flood and heat risks, their true potential lies in creating "Value-Added Ecosystems" that support high-end social amenities and commercial ventures. The successful implementation of such a hub requires a sophisticated pre-screening mechanism that balances hydrological resilience with prime real estate viability and revenue-generating infrastructure.

In this regard, SUDSC II seeks expertise to undertake **a comprehensive Pre-Feasibility Assessment for the Rejuvenation and Climate-Resilient Multi-Functional Development of the Kotha Cheruvu in Rudaram village spread across 49 acre, Isnapur municipality. It is a lake or a water storage tank (known locally as a cheruvu or kunta). These water bodies are often man-made reservoirs used for local agriculture, ground water recharge, and maintaining the ecological balance of the region Isnapur lake.** The study will explore pathways for transforming a degraded lake system into a multi-functional blue-green asset that delivers ecological restoration, groundwater recharge, disaster risk reduction, public open space, and carefully assessed livelihood-supporting and revenue-generating uses, consistent with environmental regulations and social safeguards

2. Tasks to be performed by the contractor

The contractor is responsible for conducting a Pre-Feasibility Study (PFS) providing the following services:

- Overall assessment of **Kotha Cheruvu in Rudaram village, Isnapur municipality** with respect to technical readiness, resource availability, site suitability, market context, and potential revenue-generating uses, consistent with environmental regulations and social safeguards.
- **Examine constraints, risks and opportunities rejuvenation of and sustainability**
- Develop a concept design identifying a technically, environmentally, socially, and financially viable model for the rejuvenation and long-term management of Isnapur Lake.
- Recommend **Go / No-Go / Prioritisation** for further investment.
- Preparation of **indicative cost estimates** and indicative timelines, including phasing of interventions.
- Alignment with urban resilience aspects and funding opportunities

The scope of work will include:

A. Inception and Work Plan:

- Review existing AMRUT, SBM, and SAPCC / Climate Action Plan/ Drainage Plan/ Master Plan/ Action Plan for Rejuvenation of River Stretches/ National Lake

Conservation Plan/ Wetland Rules 2017/ Telangana Lake Protection Committee Initiatives and other documents relevant for lake rejuvenation.

- Compile existing reports, maps, satellite imagery, rejuvenation initiatives undertaken any relevant study for assessing the historical context of lake (irrigation/reservoir, evolution into pollution sink).
- Current status of Lake with respect to degradation, its ecosystem, public health risks, groundwater contamination based on literature review and documents provided by authorities
- Stakeholder consultations: Commissioner and Director of Municipal Administration (CDMA), Isnapur Municipality, Department of Irrigation, The Directorate of Town and Country Planning (DTCP), Telangana Urban Finance and Infrastructure Development Corporation Ltd. (TUFIDC), HYDRAA (Hyderabad Disaster Response and Asset Protection Agency), TGPCB (Telangana State Pollution Control Board), HMDA (Hyderabad Metropolitan Development Authority), District Collector and local revenue officials, Pashamylaram Industrial Area Industries, communities, Residential Welfare Associations, Telangana Social Impact Group, Lake Protection Committee and other relevant stakeholders
- Submit inception report with methodology, deliverables, and schedule.

B. Baseline Data Collection and Site Assessment

- Conduct preliminary site studies:
 - Hydrological and morphological study:** Lake area, depth, inflows/outflows, catchment mapping (~ industrial drains/nallahs) and other relevant parameters
 - Water quality analysis:** Parameters (BOD, COD, heavy metals, antibiotics, pH, DO, pathogens) at multiple points and depths; comparison with CPCB Class B/C standards and other relevant parameters.
 - Ecological survey:** existing biodiversity and its loss, invasive species, aquatic life status
 - **Identification of Pollution Sources and Load Estimation-** Point and Non-Point sources of pollution, overall estimation and quantitative inflows, gap analysis in existing ETPS and other relevant parameters
 - Socio-economic assessment:** Surrounding communities residing, impact of industrial activities on lake and people residing nearby, land use, health impacts based on preliminary stakeholder mapping.
- Literature review and access of the published data / city records to understand and assess rejuvenation of lake

C. Prepare Conceptual Design and Layout for the rejuvenation of lake and its redevelopment plan

- Carry out site analysis and furnish a site appraisal report regarding the potential of the site vis-à-vis activities.
- Prepare phase wise approach for rejuvenation based on Nature Based Solution that emphasise on a) Pollution source control and remediation (mandatory for Isnapur's industrial toxins), (2) Ecological restoration, and (3) Sustainable redevelopment for recreation, biodiversity, and community use.
- Prepare drawings and documents with preliminary survey including water testing, hydrological assessment and investigation, soil investigation for the site, environmental screening, assessment of social inclusion, equity assessment, and environmental safeguards consistent with national and state guidelines.
- Prepare a conceptual design of the area adopting key principles- Nature-based solutions (e.g., wetlands for treatment), low-impact development, and connectivity to ORR via green corridors wherein the total site divided into zones

- Ecological core zone aiming at biodiversity restoration, natural filtration of residual pollutants and adopting NbS principles
- Treatment and Buffer zone aiming at pollution interception adopting bio-engineered methods, erosion control measures
- Recreational and public-use zone aiming at community engagement, environmental education, nature-based recreation, and local livelihood opportunities compatible with ecological carrying capacity
- Infrastructure zone aiming at urban integration adopting sustainable measures like solar power enabled lights, rainwater harvesting measures, STPs and its utilisation of reuse and recycle water
- Any other requirement based on preliminary analysis

These zoning or phase wise approach elaborates the relevant details, treatment and NbS interventions, landscape design considering different stakeholder priorities (parks, recreation, streetscape, amenities, improving local economy)

D. Costing and Economic Assessment

- Order-of-magnitude estimates (capital costs and O&M costs) aligned with GoI funding norms, Urban Challenge Fund (UCF) Framework and state government priorities.
- Preliminary cost-benefit analysis including dredging, CETP upgrades, bioremediation); OPEX (monitoring, maintenance).
- Identify potential co-funding opportunities under GoI missions and schemes, state government schemes, multilateral and bilateral financing, private sector financing, bonds and capital market financing options, etc.
- Techno-financial and socio-economic viability analysis, including BCR, lifecycle costs, affordability, O&M sustainability, and assessment of non-market ecosystem benefits (flood mitigation, heat reduction, groundwater recharge)
- Assessment of financial indicators (e.g., BCR, IRR, payback period) for revenue-generating components, supported by sensitivity analysis considering regulatory compliance and pollution control risks.
- Key risks and challenges to be elaborated with respect to technical, financial, environmental and social aspects

E. Reporting and Recommendations

- Integrate findings into the conceptual design, next steps, including phasing, budget estimates, and potential funding sources.
- Prepare an implementation framework, including institutional roles and responsibilities.
- Present the findings to key stakeholders and tailor the deliverables as per the requirements of ULBs, state departments, multilaterals / bi-laterals and climate funders.
- Provide refined Terms of Reference and next-step guidance for subsequent feasibility studies, DPR preparation, and implementation phases

The contractor is responsible for providing the following services:

- The contractor is responsible for selecting, preparing, and steering the experts assigned to perform the advisory tasks.
- The contractor provides equipment and supplies (consumables) and assumes the associated operating and administrative costs.
- The contractor manages costs and expenditures, accounting processes, and invoicing in line with the requirements of GIZ.
- The contractor reports regularly to GIZ in accordance with the current AVB of the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.

In addition to the reports required by GIZ in accordance with the AVB, the contractor submits the following reports:

- Inception Report
- Contributions to reports to GIZ's commissioning party
- Brief quarterly or half-yearly reports on the implementation status of the project

Certain milestones, as laid out in the table below, are to be achieved during the contract term:

Milestones/process steps/partial services	Deadline/place/person responsible
Inception report and Work Plan Project work plan and timeline (project Gantt Chart), approach and methodology	1 week from the date of signing of contract
Interim report Summary of key findings and recommendations based on consultations with relevant urban development agencies	3 weeks
Draft pre-feasibility study ▪ Detailed analysis for geological, hydrological, existing land use pattern, ecological (biodiversity, ground water level) and social surveys assessment. ▪ Draft concept designs and recommendations considering integration of NbS principles, gender-responsive principles, and climate resilience, including go/no-go recommendations and preliminary social and environmental safeguards	8 weeks
Final report Based on the feedback received from partners and stakeholders, finalisation of the analysis, concept designs and recommendations, preliminary cost-benefit analysis, next steps - including phasing, budget, institutional roles and responsibilities, and potential funding sources.	10 weeks

Period of assignment: from **20th March 2026 until 30 April 2026**.

3. Concept

In the tender, the tenderer is required to show *how* the objectives defined in Chapter 2 (Tasks to be performed) are to be achieved, if applicable under consideration of further method-related requirements (technical-methodological concept). In addition, the tenderer must describe the project management system for service provision.

Note: The numbers in parentheses correspond to the lines of the technical assessment grid.

Technical-methodological concept

Strategy (1.1): The tenderer is required to consider the tasks to be performed with reference to the objectives of the services put out to tender (see Chapter 1 Context) (1.1.1). Following this, the tenderer presents and justifies the explicit strategy with which it intends to provide the services for which it is responsible (see Chapter 2 Tasks to be performed) (1.1.2).

The tenderer is required to present the actors relevant for the services for which it is responsible and describe the **cooperation (1.2)** with them.

The tenderer is required to present and explain its approach to **steering** the measures with the project partners (1.3.1) and its contribution to the **results-based monitoring system** (1.3.2).

The tenderer is required to describe the key **processes** for the services for which it is responsible and create an **operational plan** or schedule (1.4.1) that describes how the services according to Chapter 2 (Tasks to be performed by the contractor) are to be provided. In particular, the tenderer is required to describe the necessary work steps and, if applicable, take account of the milestones and **contributions** of other actors (partner contributions) in accordance with Chapter 2 (Tasks to be performed) (1.4.2).

The tenderer is required to describe its contribution to knowledge management for the partner (1.5.1) and GIZ and to promote scaling-up effects (1.5.2) under **learning and innovation**.

Project management of the contractor (1.6)

The tenderer is required to explain its approach for coordination with the GIZ project. In particular, the project management requirements specified in Chapter 2 (Tasks to be performed by the contractor) must be explained in detail.

The tenderer is required to draw up a **personnel assignment plan** with explanatory notes that lists all the experts proposed in the tender; the plan includes information on assignment dates (duration and expert days) and locations of the individual members of the team complete with the allocation of work steps as set out in the schedule.

The tenderer is required to describe its backstopping concept. The following services are part of the standard backstopping package, which (like ancillary personnel costs) must be factored into the fee schedules of the staff listed in the tender in accordance with Section 3.1 of the GIZ AVB:

- Service-delivery control
- Managing adaptations to changing conditions
- Ensuring the flow of information between the tenderer and GIZ
- Assuming personnel responsibility for the contractor's experts
- Process-oriented steering for implementation of the commission
- Securing the administrative conclusion of the project

4. Criteria for eligibility of firms

The bidder should have the following criteria for qualification:

- The bidder should have at least 3 reference projects (minimum commission value of each project should be EUR 20,000) related to preparation of DPRs and implementation of sponge park, climate resilient infrastructure, rejuvenation of lake/river /DPRs or open spaces with blue-green infrastructure (BGI).
- The bidder should have at least 2 reference projects in India in the last 3 years.
- The bidder should have experience of:
 - Conducting Prefeasibility Studies / Feasibility / Business Cases / DPRs rejuvenation of lake/river / open / public spaces with BGI and nature-based solutions.

- Implementation of lake rejuvenation, with BGI as nature-based solutions.

Legal structure of the company: The bidder is required to share details regarding the legal structure of the company (Ltd, Pvt Ltd, Partnership firm, proprietorship etc) and the necessary registration under statutory acts.

The bidder should have the following criteria for qualification:

I. Commercial Eligibility Assessment

The agency must have the following administrative and financial requirements for conducting the assignment:

- Be a registered as national organization or entity. The bidder should be a firm/company registered / incorporated in India under the Companies Act, 1956.
- In case of bidding consortia – Declaration by consortium (Lead partner shall provide memorandum / contractual relationship between the partners)
- The average annual turnover for the last three financial years (last-but-four financial years can be included in case of invitation to tender held within six months of end of last financial year) must be at least EUR 100,000
- The lead agency should have minimum 10 employees as on 31st March 2024
- The agency must submit a signed / stamped declaration on GWB clauses (if adhere). Refer Annexure – Legal Inferences.

*In case of a bidding consortium, the Lead partner shall individually (fully) meet the commercial assessment criteria. In such case, the bidder must submit the following documents with the technical proposal viz. Name of Lead Partner (first party); Name of the firm with whom the consortium is formed and consortium agreement from second party accepting the terms of consortium (financial & technical). Subcontracting the assignment to different agency / outsourced agency is not allowed.

II. Technical Eligibility Assessment

Bidder should have undertaken similar project for a minimum value of EUR 20,000 with a proof of projects undertaken.

Minimum requirements

- Bidder must submit at least 3 reference projects in the technical field for Pre-feasibility studies / DPRs/ implementation of lake/ river rejuvenation or open public spaces with BGI and NbS.
- Bidder must have at least 2 reference projects in India in the last 3 years

III. Weighted Criteria

1. Technical experience:

1. Agency should have experience of Preparation of pre-feasibility / feasibility studies / DPRs for 3 projects relating to rejuvenation of lake/rivers or open public spaces or with BGI and NbS.
2. Agency should have experience of Implementation of 3 projects relating to sponge parks / lake rejuvenation/ open spaces with BGI and NbS.

2. The bidder should have experience of working in India.

3. Experience of development projects:

Previous experience of working with development sector projects and GIZ is desirable

5. Personnel concept

The tenderer is required to provide personnel who are suited to filling out the positions described, on the basis of their CVs (see Chapter 7), the range of tasks involved, and the required qualifications.

The below specified qualifications represent the requirements to reach the maximum number of points in the technical assessment.

Team Leader / Urban Resilience Expert (30 days) (Refer TAG-1)

Tasks of the team leader

- Overall responsibility for the advisory packages of the contractor (quality and deadlines)
- Coordinating and ensuring communication with GIZ, partners and others involved in the project
- Personnel management, planning and steering assignments
- Regular reporting in accordance with deadlines
- Develop framework and conduct situation and gap analysis.
- Oversee the preparation of the pre-feasibility study, surveys, reports, ensuring that they are integrated with the rejuvenation of the lake.
- Review and finalise reports/deliverables, including quality check of content.
- Regular reporting in accordance with deadlines.

Qualifications of the team leader

- Education/training (2.1.1): University degree (master's or equivalent) in urban planning, management, architecture, urban design, landscape architecture, governance, environment science, climate change, natural resource management or any related relevant area.
- Language (2.1.2): C2-level language proficiency in English
- General professional experience (2.1.3): 9 years of professional experience in urban reforms, design and implementation of urban design / sponge park projects, urban planning, urban resilience, climate resilience, among others.

- Specific professional experience (2.1.4): 7 years in development of frameworks / guidelines, conducting pre-feasibility/feasibility studies and preparation of DPRs related to urban development / urban design / urban landscape.
- Leadership/management experience (2.1.5): 5 years of management / leadership experience as project team leader or manager in a company
- Regional experience (2.1.6): 5 years of experience in projects in India.
- Development cooperation (DC) experience (2.1.7): 3 years of experience in DC projects

Key expert 1: Urban Planning and Infrastructure Specialist (40 days) (Refer TAG-1)

Tasks of Key expert 1

- Conduct detailed site analysis and evaluate existing infrastructure, land use and environmental conditions to inform design decisions.
- Develop urban design concepts that integrate functional, aesthetic, and sustainable elements, focusing on water management and green infrastructure, zone wise plan for lake rejuvenation and design proposals.
- Conduct studies to evaluate the technical, economic, and environmental feasibility of the lake rejuvenation project, including cost estimates and benefit analysis, and assess potential environmental impacts with mitigation strategies.
- Engage with relevant stakeholders through meetings to gather inputs and ensure project alignment with local needs and regulations, prepare comprehensive reports summarising findings, analyses, and recommendations, and present proposals and study results to key stakeholders.

Qualifications of Key expert 1

- Education/training (2.2.1): University qualification (master's or equivalent) in Urban Planning, Environmental Science or related fields.
- Language (2.2.2): C2 -level language proficiency in English.
- General professional experience (2.2.3): 8 years' experience in conducting urban planning assessments and developing urban projects, particularly involving lake rejuvenation and redevelopment of lakes adopting NbS principles, eco-parks, including review of environmental policies, development control guidelines, climate resilience framework, etc.
- Specific professional experience (2.2.4): 5 years' experience in conducting pre-feasibility and feasibility studies for urban and environmental projects especially lake rejuvenation projects, eco-industrial parks, etc.
- Regional experience (2.2.6): 3 years' experience in India

Key expert 2: Landscape Specialist (40 days) (Refer TAG-1)

Tasks of Key expert 2

- Conduct site analysis and evaluate soil, vegetation, hydrology, and topography to inform design decisions.
- Develop conceptual landscape designs that integrate ecological, aesthetic, and functional aspects, and provide recommendations for pollution redressal via planting native / indigenous species.
- Conduct pre-feasibility studies and assess technical, economic, and environmental feasibility, including cost estimates and benefit analysis.
- Prepare comprehensive reports summarizing findings, analyses, and recommendations, and present landscape analysis and design proposals to stakeholders and project teams.

- Engage with relevant stakeholders to gather inputs.

Qualifications of Key expert 2

- Education/training (2.3.1): University qualification (master's or equivalent) in Landscape Architecture, Environmental Science, or a related field
- Language (2.3.2): C2 -level language proficiency in English
- General professional experience (2.3.3): 8 years in develop landscape designs that integrate ecological, aesthetic, and functional aspects, especially related to lake rejuvenation, eco industrial parks, etc including detailed designs, and planting plans that align with project goals and sustainability principles.
- Specific professional experience (2.3.4): 5 years' experience in undertaking pre-feasibility and feasibility studies for landscape and environmental projects.
- Regional experience (2.3.6): 3 years' experience in India in conducting landscape assessments and designing landscape projects

Key expert 3: Hydrologist (35 days) (Refer TAG-1)

Tasks of Key expert 3

- Gather and analyse hydrological and existing lake related data, including rainfall, streamflow, groundwater levels, pollution levels etc.
- Conduct detailed site investigations and field tests (STPs, CETPs) to collect and analyse soil samples, assess soil stability, bearing capacity, and potential for settlement or liquefaction.
- Conduct pre-feasibility studies to assess the viability and environmental impact of the site and identify potential risks such as industrial waste and toxins, erosion, and provide recommendations for mitigation.
- Prepare detailed geotechnical reports summarising findings, analyses, and recommendations, develop mitigation strategies, and present findings and recommendations to key stakeholders.
- Engage with relevant stakeholders through meetings to gather inputs.

Qualifications of Key expert 3

- Education/training (2.4.1): University qualification (master's or equivalent) in Hydrology, Geotechnical Engineering, Environmental Engineering, Civil Engineering, or any allied field.
- Language (2.4.2): C2 - level language proficiency in English
- General professional experience (2.4.3): 8 years of professional experience in hydrological modelling / geotechnical software. and strong analytical skills for data interpretation, geotechnical analysis and model calibration.
- Specific Experience (2.4.4) – 5 years in pre-feasibility and feasibility studies for environmental projects, familiarity with environmental regulations and standards related to water resources, geotechnical engineering.
- Regional experience (2.4.6): 3 years' experience in India

Key expert 4: GIS / Spatial Analyst (30 days) (Refer TAG-2)

Tasks of Key expert 4

- Collect, manage, and maintain spatial data from various sources, ensuring data accuracy and integrity.
- Conduct spatial analysis using GIS tools to identify patterns, trends, and relationships, and evaluate the potential and impacts of proposed projects.
- Create detailed maps, 3D visualisations, and thematic maps overlaying different layers of information to support decision-making processes.
- Prepare comprehensive technical reports and documentation summarising findings and recommendations.

Qualifications of Key expert 4

- Education/training (2.2.1): University qualification (masters' or equivalent) in Remote Sensing, Planning, Geography, Geospatial Science, Environmental Science, or allied fields.
- Language (2.2.2): C2 - level language proficiency in English
- General professional experience (2.2.3): 8 years of professional experience in operating GIS software (e.g., ArcGIS, QGIS) and spatial analysis tools, strong skills in remote sensing, GPS, and data visualisation, previous experience in conducting spatial analysis and GIS mapping for environmental and planning projects
- Specific Experience (2.2.4): 5 years in developing prefeasibility mapping and comprehensive understanding of spatial data types (vector and raster) and their applications in GIS, familiarity with environmental regulations and standards related to spatial data and GIS
- Regional experience (2.2.6): 3 years' experience in India

Key Expert 5: Financial Analyst and Revenue Model Development Specialist (30 days) (Refer TAG-2)

Tasks of Key expert 5

- Prepare preliminary capital and operational cost estimates
- Assess funding options: government schemes, PPP, multilateral funding
- Conduct high-level cost-benefit analysis and financial sustainability assessment
- Evaluate potential revenue model development, improvement and indicative tariffs

Qualifications of Financial and Economic Expert

- Education/training (2.3.1): University qualification (master's or equivalent) in MBA / M.Tech in Infrastructure Finance / Economics / Water Resources, or related fields.
- Language (2.3.2): C2 - level language proficiency in English
- General professional experience (2.3.3): 8 years of professional experience in project finance, cost-benefit analysis, and financial modelling
- Specific professional experience (2.3.4): 5 years of experience with lake redevelopment financial mechanism, tariff setting, and funding mechanisms
- Regional experience (2.3.6): 3 years' experience in India

Key Expert 6: Environmental and Social Safeguards Specialist (20 days) (Refer TAG-2)

Tasks of Key expert 6

- Conduct environmental and social risk assessments to identify and evaluate potential impacts of proposed projects, categorise risk levels, and determine necessary safeguards.
- Develop environmental and social management measures for mitigating identified risks and managing impacts, ensuring compliance with relevant policies and standards.
- Design stakeholder engagement plan to facilitate meaningful consultation, participation, and address complaints, ensuring culturally appropriate and gender-responsive engagement.
- Conduct assessments to ensure gender mainstreaming in project design and implementation.
- Engage with relevant stakeholders through meetings to gather inputs

Qualifications of Key expert 6

- Education/training (2.4.1): University qualification (master's or equivalent) in Environmental Science, Social Sciences, Environmental Engineering, or a related field.
- Language (2.4.2): C2 - level language proficiency in English
- General professional experience (2.4.3): 8 years of professional experience in conducting environmental and social impact assessments, developing environmental and social management plans, strong analytical skills for risk assessment and data interpretation, previous experience in conducting environmental and social safeguards assessments for development projects
- Specific Experience (2.4.4): 5 years in developing pre-feasibility and feasibility studies for infrastructure and environmental projects, understanding of environmental and social safeguards policies and standards, familiarity with gender mainstreaming and social inclusion principles
- Regional experience (2.4.6): 3 years' experience in India

Soft skills of team members

In addition to their specialist qualifications, the following qualifications are required of team members:

- Team skills
- Initiative
- Communication skills
- Socio-cultural skills
- Efficient, partner- and client-focused working methods
- Interdisciplinary thinking

Expert pool with minimum 2, maximum 2 members (Refer TAG-2)

For the technical assessment, an average of the qualifications of all specified members of the expert pool is calculated. Please send a CV for each pool member (see below Chapter 7 Requirements on the format of the bid) for the assessment.

Tasks of the expert pool (Research Associates)

Research Associate 2 (30 days each)

- Collect data, information and review the same as required by the team leader and experts for the project.
- Provide support to develop strategy for data collection, analysis, and reporting.
- Organise consultations / meetings with experts, key stakeholders, and affected communities.
- Document meetings, prepare minutes of the meetings, proceedings, reports, etc.

Qualifications of the expert pool

- Education/training (2.6.1): University qualification (bachelor's or equivalent) in architecture, planning, sociology, economics, social sciences, urban studies or any related relevant area
- Language (2.6.2): C1 - level language proficiency in Telugu/ Hindi
- General professional experience (2.6.3): 3 years of professional experience in urban development / urban governance /gender inclusive development/climate resilience / social development projects.
- Regional experience (2.6.6): 2 years' experience in India

The tenderer must provide a clear overview of all proposed expert pools and their individual qualifications.

6. Costing requirements

Assignment of personnel and travel expenses

Per diem allowances are reimbursed as a lump sum up to the maximum amounts permissible under tax law for each country as set out in the country table in the circular from the German Federal Ministry of Finance on travel expense remuneration (downloadable from the [German Federal Ministry of Finance – tax treatment of travel expenses and allowances for international business travel as of 1 January 2026 \(GERMAN ONLY\)](#)).

Accommodation allowances are reimbursed as detailed in the specification of inputs below.

With special justification, additional Accommodation costs up to a reasonable amount can be reimbursed against evidence.

All business travel must be agreed in advance by the officer responsible for the project

Sustainability aspects for travel

GIZ has undertaken an obligation to reduce greenhouse gas emissions (CO₂ emissions) caused by travel. When preparing your tender, please incorporate options for reducing emissions, such as selecting the lowest-emission booking class (economy) and using means of transport, airlines and flight routes with a higher CO₂ efficiency. For short distances, travel by train (second class) or e-mobility should be the preferred option.

CO₂ emissions caused by air travel must be offset. GIZ specifies a budget for this, through which the carbon offsets can be settled against evidence.

There are many different providers in the market for emissions certificates, and they have different climate impact ambitions. The [Development and Climate Alliance \(German only\)](#) has published a [list of standards \(German only\)](#). GIZ recommends using the standards specified there.

Specification of inputs

Fee days	Number of experts	Number of days per expert	Total	Comments
Debriefing	7	TL: 2 Expert 1: 2 Expert 2: 2 Expert 3: 2 Expert 4: 2 Expert 5: 2 Expert 6: 2	14	To debrief the project team about the proposed activities
Implementation	9	TL: 28 Expert 1: 38 Expert 2: 38 Expert 3: 28 Expert 4: 18 Expert 5: 13 Expert 6: 28 Expert pool: 60	271	Conduct the proposed project activities as per ToR
Travel expenses	Quantity	Number per expert	Total	Comments
<i>Per-diem allowance in country of assignment</i>	96			According to proposed travel plan TL: 1 pax X 2 trips X 3 days Expert 1, 2, 3, 6: 4 pax X 4 trips X 3 days; Expert 4: 1paxX1tripx 2days Expert 5: 1paxX2 tripsX2 days Expert pool: 2 pax X 6 trips X 3 days
<i>Overnight allowance in country of assignment</i>	96			According to proposed travel plan TL: 1 pax X 2 trips X 3 days Expert 1, 2, 3, 6: 4 pax X 4 trips X 3 days; Expert 4: 1paxX1tripx 2days Expert 5: 1paxX2 tripsX2 days Expert pool: 2 pax X 6 trips X 3 days To be reimbursed against evidence
Transport	Quantity	Number per expert	Total	Comments
Domestic flights	33 round trips			TL: 1 pax X 2 trips Expert 1, 2, 3, 6: 4 pax X 4 trips Expert 4: 1paxX1tripx 2days Expert 5: 1paxX2 tripsX2 days Expert pool: 2 pax X 6 trips To be reimbursed against evidence Travel sector: From Consultant's base city to Telangana

CO₂ compensation for air travel <i>Link to working aid and table for determining the budget and Guidance for GIZ service providers on avoiding, reducing and offsetting GHG emissions on setting the budget.</i>	66			A fixed budget of INR 3,48,414 is earmarked for settling carbon offsets against evidence.
Travel expenses (car) • Local travel in the city of assignment	99			As per travel plan 33 trips x 3 days
Other costs	Number	Price	Total	Comments
Flexible remuneration				A budget of 5% of the contract value is foreseen for flexible remuneration. Please incorporate this budget into the price schedule. Use of the flexible remuneration item requires prior written approval from GIZ.
Workshops	1			The budget contains the following costs: Venue booking for approx. 50 participants, printing, food, audio-visual equipments, etc. Payable as lumpsum cost against proof of performance.
Other costs ▪ Survey activities				The budget contains the following costs: ▪ Soil and water studies (including detailed profiling) as specified under Section 2B. Reimbursement will be based on lumpsum.

Workshops and meetings with relevant stakeholders

The contractor shall be responsible (technical, financial and organisational) for organising the meetings with partner organisations and key stakeholders, including content development, coordination, and organisation of the following meetings/ workshops:

- Stakeholder consultations (RWA representatives, neighbourhood NGOs, residents, elected representatives, officials, among others) to gather inputs, and assess challenges, needs, etc.
- Meetings with partner organisations.

The contractor shall bear all expenses related to logistics for the organisation of the meeting, including venue booking, printing, food, audio-visual equipment, etc.

7. Inputs of GIZ or other actors

GIZ is expected to make the following available:

- Share relevant information and documents, if available with GIZ, based on the requirements of the proposed activities.
- Issue letters on GIZ letterhead to the partner organisations to introduce the contractor. Henceforth, the contractor shall be responsible for the next steps, including coordination, organisation of meetings, and reporting.

8. Requirements on the format of the tender

The structure of the tender must correspond to the structure of the ToR. In particular, the detailed structure of the concept (Chapter 3) should be organised in accordance with the positively weighted criteria in the assessment grid (not with zero). The tender must be legible (font size 11 or larger) and clearly formulated. It must be drawn up in English.

The complete tender must not exceed 20 pages (excluding CVs). If one of the maximum page lengths is exceeded, the content appearing after the cut-off point will not be included in the assessment. External content (e.g. links to websites) will also not be considered.

The CVs of the personnel proposed in accordance with Chapter 4 of the ToRs must be submitted using the format specified in the terms and conditions for application. The CVs shall not exceed 4 pages each. They must clearly show the position and job the proposed person held in the reference project and for how long. The CVs can also be submitted in English.

Please calculate your financial tender based exactly on the parameters specified in Chapter 5 Quantitative requirements. The contractor is not contractually entitled to use up the days, trips, workshops or budgets in full. The number of days, trips and workshops and the budgets will be contractually agreed as maximum limits. The specifications for pricing are defined in the price schedule.