

Terms of Reference for Social Impact Assessment of

Component 1 Phase II and Component 2 of

Andhra Pradesh Urban Water Supply and Septage Management Improvement Project

I. Project Context

In 2015, around 88 percent of the population in India had access to basic water supply services (93 percent in urban and 85 percent in rural areas), compared with 80 percent in 2000 (92 percent access in urban and 76 percent in rural areas)¹. Achieving universal coverage of water supply and sanitation in a sustainable manner in all urban areas, is a key priority of the Government of India (GoI). In Andhra Pradesh, around 71 percent of urban households have access to improved water supply. Out of the remaining 29 percent, 19 percent of the households do not have access to treated water supply.

The Government of Andhra Pradesh (GoAP) is aiming to achieve universal coverage in water supply, septage management and sewerage in line with the national priorities by rolling out infrastructure in a phased manner in urban areas. Therefore, GoAP has launched the Andhra Pradesh Urban Water Supply & Septage Management Improvement project (APUWSSIP; the Project), funded by the Asian Infrastructure Investment Bank (AIIB). The Project aims to provide water supply to 50 Urban Local Bodies (ULBs) with a population of less than 100,000 and supplement it with investments in greywater management infrastructure in 5 pilot ULBs.

The project has three components:

Component 1: Investment in Water Supply Infrastructure will include construction of intakes at raw water source, raw water transmission mains, water treatment plants, clear water transmission mains, treated water storages, distribution networks and household service connections. In some project ULBs, the partial existing infrastructure will be rehabilitated and augmented to be used with the newly created infrastructure. Installation of consumer meters at each household is included in the project scope allowing GoAP to implement the new water policy on moving from fixed household-based tariffs to volumetric tariffs. Installation of bulk flow meters, SCADA for automated flow and level control at service reservoirs, including online water quality monitoring, will ensure equitable distribution of water, water and energy auditing and web-based service delivery monitoring (quantity and quality).

Component 2: Sanitation and Drainage Infrastructure Pilots. Recognizing the increase in gray waste water generated due to the increase of water supply from the current 35 - 50 lpcd to a target level of 135 lpcd, it has been agreed to include targeted rehabilitation and construction of side drains in the five Pilot ULBs to safely carry gray waste water. In parallel, the component will include development of robust and effective local graywater treatment approaches that can be easily scaled up and implemented in the remaining ULBs under the

¹WHO/UNICEF (2017): JMP Report Progress on drinking water, sanitation and hygiene: 2017 update and SDG baselines.

Critical Infrastructure Investment Plan (CIIP). Pilot projects shall be implemented in five ULBs: Allagadda, Nandikotkor, Kalyandurgam, Kanigiri and Sullurpeta. Septage management and treatment will be implemented under the Clean India Mission.

Component 3: Technical Assistance, Institutional Development and Municipal Capacity Enhancement and Implementation Support. The component will provide technical assistance and implementation support to the Andhra Pradesh Urban Finance and Infrastructure Development Corporation (APUFIDC), under which the Project Management Unit (PMU) is located, the Public Health and Municipal Engineering Department (PHMED), which is the project implementing entity, and ULBs to successfully implement the above three project components. City Management Units (CMU) have been established in each of the 50 Project ULBs, headed by the Municipal Commissioner and staffed with one PHMED engineer, one ULB-level Resident Engineer from the Project Management Consultant (PMC), technical staff of the ULB, one public representative and one community member. The PMU and CMUs will be supported by a PMC to undertake the following: a) review the DPRs for the Phase 2 water supply infrastructure; b) assist in implementation of septage management, septage treatment plants, drainage infrastructure, standard operating procedures and O&M manuals; c) assist the implementation of the findings of the ESMPF and d) undertake monitoring and supervision of the construction works.

Component 1 of the project is divided into Phase 1, covering 21 ULBs, and Phase 2, covering 29 ULBs. In addition, source abstraction and distribution works packages are assigned to separate contractors within each ULB. In addition, 11 of the Phase 2 ULBs have recently been proposed to supply a total of 90 en-route villages via designated off-take points with distribution managed by the Rural Water Supply and Sanitation Department (RWSSD).

II. Implementation Arrangements

The Andhra Pradesh Urban Finance and Infrastructure Development Corporation (APUFIDC) is the nodal agency and AIIB's official counterpart, which has established a PMU for project preparation. The Managing Director of APUFIDC/Director Municipal Administration is the de-facto Project Director. The PMU is staffed with full-time Project Additional Director and personnel with specialization in requisite disciplines. The PMU is responsible for:

- a) Execution of the Implementation Partnership Agreement with the APUFIDC, Public Health Engineering Department (PHMED) and respective ULBs.
- b) Preparation of phased implementation as per the project delivery strategy.
- c) Selection of PMC, E&S consultant and any other consultants or individual experts.
- d) Oversight of project preparation activities, including but not limited to tendering, contract management, construction monitoring and supervision and safeguards implementation.
- e) Financial and Accounting Management of the project, i.e. preparation of budget, releases, bills preparation, pre-audit, establishment charges, accounts maintenance etc., as per the financial rules/procedures of GoAP through Nodal Agency.

PMU's E&S Development specialists are responsible for all matters pertaining to environment and social management under the project, including implementing the ESMPF. The PHMED, reporting to APUFIDC, is the Project Implementing Agency responsible for

the technical implementation of the project in coordination with the respective ULBs. The CMU shall coordinate project activities at the ULB level, support PMU in implementing the Environmental and Social Management Planning Framework (ESMF), partake in monitoring of implementation of works, build technical capacity within ULBs, strengthen systems for revenue collection and business practices for effective delivery of municipal services and continuously engage with the communities to spread awareness of the long-term benefits of the project. The PMC (reporting to the PMU) will support PHMED and CMU in project management from planning, revision, quality check, preparation of the Detailed Project Reports (DPR), where not prepared, preparation of tender documents, supporting for the tendering process, supervising contract execution including oversight of construction monitoring and quality control checks of the works, preparation of monitoring and action taken reports, and ensure full compliance of safe-guards implementation.

The Project has been assigned to Category 'A' according to the Environmental and Social Policy (ESP) of the AIIB. The Project will require application of Environmental and Social Standard (ESS) 1 Environmental and Social Assessment and Management, ESS 2 Involuntary Resettlement and ESS 3 Indigenous People. A determination would be made in the context of each of the activities as to whether the provisions of ESS 2 and ESS 3 would apply.

As required by the ESP, an ESMPF has been prepared to set out the policies and procedures to assess and address (a) environmental and social risks and impacts of the activities; (b) involuntary resettlement, temporary or permanent livelihood loss; and (c) impacts on tribal peoples. The ESMPF includes a generic Environmental and Social Management Plan, which will be followed in the preparation of sub-project specific Environmental Management Plan (EMP)². Based on a comprehensive social (including direct and indirect) impacts assessment mitigation measures will be included in the EMP, Abbreviated /Resettlement Plans (A/RP) and Tribal People Plans (TPP) (if applicable). The E&S Specialists of the PMU are responsible for overall Project activities' adherence to these E&S mitigation plans, after their approval. The PHMED, supported by the PMC, are responsible for the on-the-ground monitoring and supervision of the implementation of these plans and contractors' work. The contractors are obligated to retain an Environmental, Social, Health and Safety (ESHS) quality assurance personnel to implement the required EMP.

III. Objective of the Assignment

A consultancy to conduct an assessment of direct social impacts for Phase 1 has been awarded and is being finalized. The present consultancy covers the assessment of indirect social impacts for Phase 1, social impact assessment and preparation of mitigation plans for all Phase 2 ULBs as well as those arising from Component 2 works (septage management) for 5 ULBs in Phase 1. Environmental Impact Assessments for all ULBs are being undertaken by a separate agency and are unrelated to this assignment.

² The EMP format for tender documents is annexed in Annexure 8 of the ESMPF.

Project details		Work already undertaken	This Consultancy's Scope
Component 1	Phase 1 (21 ULBs)	SIA's completed	1. Review SIA's and identify gaps, related to indirect (i.e. non-land related) social impacts, that may have a material impact on sub-projects' compliance with the ESMPPF.
	Phase 2 (29 ULBs)	None	2. Conduct SIA's and prepare SMP's for each ULB.
Component 2		None	3. Conduct SIA's and prepare SMP's for each ULB.

4. Overall Scope of Work

1. For Component 1, Phase 1:
 - a. Review existing SIA's, SMP's and EMP's which will be provided to the consultant.
 - b. Remotely contact all Project-affected people (PAP's) whose livelihoods are likely to be impacted by temporary restrictions and verify that proposed compensation methods are adequate.
 - c. Identify any gaps in the existing EMP and propose mitigation measures with focus on Occupational and Community Health and Safety risks during construction and operation, Gender-based violence and Sexual exploitation (GBV/SE) risks, workers camps, influx, and facilities.
 - d. Analyze the potential impact of piped water supply on private water operators' industry, evaluate loss of livelihoods and potential for livelihood restoration trainings and reemployment.
 - e. Evaluate the potential impacts of water drawing on downstream communities/businesses from source, propose mitigation measures.
 - f. Gather and analyze water supply-related health statistics, risks, and opportunities for improvement at pre-project levels, recommend opportunities for enhancement during design stage.
 - g. Identify any gaps related to the stakeholder identification (inclusive of Scheduled Castes and Scheduled Tribes) engagement and disclosure, undertaken so far.
 - h. Prepare a Stakeholder Engagement and Disclosure Plan (SEDP) for each ULB.
 - i. Review SIA's to evaluate key stakeholders' identification. Where gaps exist, reach out for their recommendations and concerns that need to be considered in the project design and implementation.

In light of COVID-19 limitations, for the aforementioned Scope of Works for Component 1, Phase 1, Consultant should consider remote/desktop assessment to the extent feasible.

2. For Component 1, Phase 2:
 - a. Conduct SIA, inclusive of:
 - i. Evaluation of all land needs for Phase 2 activities, both permanent, temporary, and legacy. Identify any instances of permanent or temporary physical and/or economic displacement/loss of livelihoods of PAPs.
 - ii. Identification of all affected PAHs' assets and Common Property Resources (CPR).
 - iii. Evaluation of potential impact on Scheduled Castes and Scheduled Tribes in the area of influence (if any).
 - iv. Assessment of current experiences, perceptions, and expectations of water supply, based on primary (the sample should be proportionate to ULB population; approximately between 1-2% of the ULB households; with a minimum of 200 Households to a maximum of 300 households) based on pre-agreed sample) and secondary research, analyze current and future water needs and consumption at the ULB level.
 - v. Evaluation of the impact of water supply on women, PWDs and children and recommendations for inclusion of measures to enhance the positive impact on them, in the preparation phase. Propose ULB-specific measures to enhance positive impact on female project beneficiaries.
 - vi. Identification of key stakeholders whose participation and feedback could support the achievement of project objectives.
 - vii. Analysis of the potential impact of piped water supply on private water operators' industry, evaluate loss of livelihoods and recommendations for mitigation measures in line with ESS2.
 - viii. Analysis of existing practices leading to non-revenue water, such as pit tapping, propose practical mitigation measures which can be implemented by the project.
 - ix. Analysis of existing attitudes towards household water supply connections and identify any potential risk for slow/low uptake.
 - x. Analysis of current water expenses and willingness/ability to pay of project beneficiaries. Evaluate affordability for both water charges and connection fees as well as appropriateness of payment methods.
 - xi. Evaluation of the potential impacts of water abstraction on downstream communities/businesses from source, propose mitigation measures.
 - xii. Gather and analyze water supply-related health statistics, risks, and opportunities for improvement at pre-project levels, recommend opportunities for enhancement during design stage.
 - xiii. Assessment of potential impact on scheduled tribes/castes.
 - b. Prepare a SMP, inclusive of
 - i. An Abbreviated/Resettlement Plans (A/RP), based on the SIA, as per the requirements of the ESS2 to ensure that no negative impacts on livelihoods occur (if such are identified). Conduct census survey, after the cut-off date has been announced, of all PAHs recording their assets (land, structures, and facilities), incomes, and social category (Scheduled Castes/Scheduled Tribes). Conduct baseline socio-economic survey of affected families suffering major impacts and needing rehabilitation assistance in addition to compensation to

- their losses. Include a time-bound action plan for completing various land acquisition and livelihood restoration activities, along with a detailed budget.
- ii. Prepare ULB-specific SEDP outlining contact details of key stakeholders, key project components and impacts, suggested methodology for disclosure and gathering feedback, and timelines for engagement.
 - iii. Analyze water supply-related health statistics, risks, and opportunities for improvement at pre-project levels, recommend opportunities for enhancement during design stage.
 - iv. TPP, as per TPPF, if required.
- c. Conduct public consultations and disclosure of draft SIA/SMP to gather feedback according to the SEDP. Incorporate relevant recommendations in the finalization of the SMP (inclusive of A/RP and/or TPP). Conduct specific consultations with women and members of scheduled tribes/castes (if applicable).
3. For Component 2:
- d. Conduct SIA, inclusive of:
- i. Evaluation of all land needs for the Component, both permanent and temporary. Identify any instances of permanent or temporary physical and/or economic displacement/loss of livelihoods of PAPs.
 - ii. Identification of all affected PAHs' assets and Common Property Resources (CPR).
 - iii. Evaluate potential impact on Scheduled Castes and Scheduled Tribes in the area of influence (if any).
 - iv. Baseline socioeconomic survey of families in the project area (based on pre-agreed sample) to assess current experiences, perceptions, and expectations of gray wastewater management. Analyze PAH current and future wastewater management needs at the ULB level.
 - v. Evaluation of the impact of gray water management on women and children and recommendations for inclusion of measures that enhance the positive impact on them, in the preparation phase. Propose ULB-specific measures to enhance positive impact on female PAPs.
 - vi. Identification of key stakeholders whose participation and feedback could support the achievement of project objectives.
 - vii. Analyze the potential impact of assets constructed under Component 2 on private wastewater management industry, if any, evaluate loss of livelihoods and potential for trainings and reemployment.
 - viii. Analyze existing wastewater management practices and customer attitudes with regards to social impacts on users (PAHs), communities and the environment, identify potential challenges
 - ix. Analyze current wastewater-related expenditures and provide recommendations based on willingness/ability to pay for the calculation of tariff, if any.
 - x. Gather and analyze waterborne diseases health statistics, risks, and opportunities for improvement at pre-project levels, recommend opportunities for enhancement during design stage.

- xi. Evaluate the potential impacts of water treatment on downstream communities/businesses, propose mitigation measures.
- xii. Assessment of potential impact on scheduled tribes/castes.
- e. Prepare a SMP, inclusive of
 - i. An Abbreviated/Resettlement Plans (A/RP), based on the SIA, as per the requirements of the ESS2 to ensure that no negative impacts on livelihoods occur (if applicable). Conduct census survey of all PAHs, after the cut-off date has been announced, recording their assets (land, structures, and facilities), incomes, and social category (Scheduled Castes/Scheduled Tribes). Conduct baseline socio-economic survey of affected families suffering major impacts and needing rehabilitation assistance in addition to compensation to their losses. Include a time-bound action plan for completing various land acquisition and livelihood restoration activities, along with a detailed budget.
 - ii. ULB-specific SEDP outlining contact details of key stakeholders, key project components and impacts, suggested methodology for disclosure and gathering feedback, and timelines for engagement.
 - iii. TPP, as per TPPF, if required.
- f. Conduct public consultations and disclosure of draft SIA/SMP to gather feedback according to the SEDP. Incorporate relevant recommendations in the finalization of the SMP (inclusive of A/RP and/or TPP). Conduct specific consultations with women and members of scheduled tribes/castes (if applicable).

IV. Reporting and Deliverables

The Consultant firm will report to the Project Director of the PMU. It will be required to maintain detailed records of the way it is performing its tasks, according to the pre-agreed plans.

Monthly summaries to the PMU shall be prepared and reported in an agreed template format giving an overview of the achievements in numerical terms and as minutes of meetings documenting number of participants, subjects, and understanding/appreciation of the disseminated information.

The required outputs and deliverables under this contract are as shown below:

1. An Inception Report outlining the approach, methodology, time frame for surveys, consultations, chapter plans for subsequent deliverables and different output shall be submitted within three weeks after Contract effective date. This should include a time-bound plan for delivery of all ULB-specific reports. The Report shall include clear measures mitigating risks related to potential spread of COVID-19 arising from the proposed works.
2. Draft ULB-specific Reports covering the scope of works for Component 1, Phase 1, as outlined above. Any gaps in existing EMPs, with focus on Occupational and Community Health and Safety risks during construction and operation, Gender-based violence and Sexual exploitation (GBV/SE) risks, workers camps, influx, and facilities should be highlighted.
3. Draft Component 1, Phase 2 ULB-specific SIAs and SMP Reports (inclusive of A/RP and TPP, if applicable). The draft reports are expected to be delivered progressively,

as agreed in the Inception report. For each ULB, SMPs are to be disaggregated by source and distribution works.

4. Draft Component 2, ULB-specific SIAs and SMP Report (inclusive of A/RP and TPP, if applicable). The draft reports are expected to be delivered progressively, as agreed in the Inception report.
 - a. All reports shall be revised no more than twice before acceptance, with each subsequent version to be delivered within two weeks of receiving comments.
5. Final Reports for all the above shall be submitted within two weeks of the second revision.
6. Regular presentations on the study progress and key findings and recommendations.
7. Consultant shall submit five hard copies of each final report along with soft copies.

This assignment should be completed within six months, any additional required time should be clearly justified in the Detailed Proposal, which shall be reflected in the Inception Report. The Project Deliverables against the timeline and payment schedule are given below:

#	Deliverables	Schedule of deliverable	Payment %
1	On submission of the Inception Report to PMU.	Within 3 weeks after Contract effective date	10%
2	On acceptance of ULB-specific Reports covering the scope of works for Component 1, Phase 1, as outlined above (21 ULBs).	As per Detailed Proposal.	20% (Pro-rata payments per ULB)
3	On acceptance of Component 1, Phase II SIA and SMP Reports for 14 ULBs including public consultations	As per Detailed Proposal.	30% (Pro-rata payments per ULB)
4	On acceptance of Component 1, Phase II SIA and SMP Reports for 15 ULBs including public consultations	As per Detailed Proposal.	30% (Pro-rata payments per ULB)
5	On acceptance of SIA and SMP Reports for all Component 2 ULBs (5 ULBs)	As per Detailed Proposal.	10% (Pro-rata payments per ULB)

V. Application requirements

1. Qualifications and Team Composition

The consulting agency shall have extensive experience in working within MDB-funded framework E&S mitigation plans, such as ESMPPF, RPF, TPPF and preparation of ESIA, SIA, SMPs, RPs, TPPs in the water and sanitation sector in India. The consultant team shall have following experts and appropriate support staff to conduct socio-economic impact assessments, surveys, public consultations, and disclosure. Any changes to the subject matter experts' composition will require a prior approval by the PMU.

#	Key Personnel	Educational Qualifications	Relevant Experience
1	Team Leader- 1 No. (~5 Person Months)	At least Master's degree in Social science or Public health	>15 years of progressively senior experience in coordination and management of social impact assessments, mitigation for MDB-funded
2	Water, Sanitation and Hygiene (WASH) Expert - 2 No.s (~4 Person Months each)	At least Master's degree in related field (environment, public health, water engineering, etc.)	>10 years of progressively senior experience in implementing WASH projects for MDB and/or iNGO-funded WASH projects in India with demonstrated experience of mainstreaming gender in preparation and
3	Resettlement, Rehabilitation and Livelihood Restoration expert - 2 No.s (~4 Person Months each)	At least Master's degree in social sciences	>10 years' experience in preparing and implementing A/RP for MDB-funded projects.
4	Stakeholder engagement expert - 2 No.s (~4 Person Months each)	At least Master's degree in social sciences	>7 years' experience in designing, organizing, preparing and implementing stakeholder engagement, community outreach and communication campaigns for MDB and/or iNGO-funded WASH projects in
5	Field support staff - As required for fieldwork.	Graduates	Relevant experience working for MDB, iNGO and/or NGO-funded projects.

2. Data services and facilities provided by the client

The Environmental and Social Specialists at PMU-APUFIDC, will jointly coordinate the studies. The following facilities/ services would be provided to the consulting agency by the PMU.

1. All relevant documents pertaining to the project and its progress.

2. Assign relevant field staff responsible for ESMPF, TPDF and RPF implementation to be present during field work
3. Relevant contacts at the ULBs for community and other stakeholder consultations.
4. Support for requesting and receiving additional information from other departments.

3. Review committee for consultant's reports.

A review committee consisting of Project Director as the chairperson, Program Managers and Environment and Social Specialists of PMU-APUFIDC and PMC as members will be constituted. This committee will be responsible for reviewing all deliverables submitted by the consultants and providing timely comment and approvals in line with agreed timeline in the Inception Report.

4. Selection Process

The Consultant will be selected based on:

1. The demonstrated previous experience, of no less than ten years, in implementing similar works for MDB-funded projects.
2. The individual expertise of the proposed subject-matter experts who will be involved in the implementation of the project. Any changes to the subject matter experts' composition will require a prior approval by PMU.
3. Proposed approach to completing the tasks.

Interested organizations are invited to submit an Expression of Interest (EoI) detailing previous experience in conducting SIA and preparing SMP, A/RP and TPP for WASH projects to a high standard and CVs of individual experts proposed to work on this project. Shortlisted organizations will receive an RFP for making a detailed proposal. The consultant will be selected in accordance with the Quality and Cost Based Selection (QCBS) method.

The following documents are to be submitted along with the EoI:

1. A letter of Expression of Interest, Skills and Availability.
2. Proof of experience with MDB-funded WASH projects outlining similar activities to the listed work packages, including environmental and social impact assessment, environmental and social assessment of Water Supply and Sanitation infrastructure and urban development projects including experience in preparing SMP, A/RP, TPP, SEPD. Evidence to support these need to be attached.
3. Subject-matter experts detailed CVs outlining previous relevant experience.
4. Staff turnover for the last three financial years

Further information can be obtained at - apufidc@yahoo.com, apuwssmip@gmail.com
on Tel:- +919100934438, +917675836600, +917675836644 and the address below during office hours (10:00-17:00):

PROJECT DIRECTOR,

Andhra Pradesh Urban Water Supply and Septage Management Improvement Project,
5th Floor, Dhoom Complex, Srinivasa nagar bank Colony, Vijayawada - 520008

The EoI should be received before 17:00 on 05-08-2020.