

Request for Expressions of Interest

**Selection of
Long term Technical Assistance for supporting the AFD Project Unit, PWD
for the project
“Augmentation of water supply sources and rehabilitation of system in
urban area in Puducherry District, Puducherry, (Phase-I)”
And
Support to the Public Health Division, PWD for the
Improvement of the overall performance of the
Water service**

No. 2/PW/AFD-PU/Tender/2020, dt. 24.07.2020

**AFD Project Unit,
Public Works Department
Puducherry**

INDIA

Selection of Long term Technical Assistance for supporting the AFD Project Unit, PWD for the project “Augmentation of water supply sources and rehabilitation of system in urban area in Puducherry District, Puducherry,(Phase-I)” and Support to the Public Health Division, PWD, for the improvement of the overall performance of the water service

CONSULTING SERVICES

Expression of Interest

The Executive Engineer, AFD Project Unit (PU), PWD, Puducherry has received a financing from the Agence Française de Développement (AFD) for "**Augmentation of Water Supply Sources and Rehabilitation of System in Urban Area in Puducherry District, Puducherry, (Phase-I)**" for which he intends to engage an external expert Technical Assistance (TA) to support the AFD Project Unit, PWD and to support the Public Health Division, PWD for the improvement of the overall performance of the water service by utilizing a part of the funds thereof for payments.

The Services of the consultant shall consist of

- a) **Technical Assistance**(TA) to support the AFD Project Unit, PWD to roll-out the project
- b) **Technical assistance** to improve the existing **water service operation** of PWD.
- c) **Water Demand Study, and Water Resource Identification and Optimization Study**
- d) Detailed engineering activities required for preparation of Detailed Project Report, estimates, BOQ, detailed good for construction drawing, detailed rate analysis, Bill of Quantities, structural & hydraulic design of **Water Supply** infrastructures, geo technical investigation and cost benefit ratio (IRR & ERR) corresponding to each and every work package.
- e) Preliminary Engineering and Preparation of Detailed project report for the **Underground Sewerage System** for the left out areas in Puducherry Urban Agglomeration Area (PUAA). PUAA comprises of Municipalities of Pondicherry and Oulgaret and urban areas of Villianur and Ariyankuppam Commune Panchayats.

This service shall be of 5 sub components:

- Sub component 1-a : **Technical Assistance** (TA) to implement the proposed infrastructure project

- Sub-component 1-b: Technical Support to the PWD & Public Health Division on Water service operation improvement: network efficiency, financial modelling, GIS/SCADA, metering, customer management, etc.
- Sub-component 2: Water Demand Study, and Water resource identification and optimization study
- Sub component 3-a: Detailed Engineering works for the work packages in Water Supply sector.
- Sub component 3-b: Preparation of detailed project report for Underground Sewerage System in left out areas of PUAA.

The broad scope of service for the TA will be:

Sub component 1-a: TA for project implementation

LTTA will support the AFD Project Unit, PWD in all tasks related to the roll-out of the project:

- (i) To assist the PU in procurement:
 - a. Preparation of the tender of each work package,
 - b. Processing of the tenders,
- (ii) Contribution to monitoring and reporting,
- (iii) Support for the work supervision,
- (iv) Fulfillment of the Environmental and Social Management & commitment plan
- (v) To support the PU in the post commissioning of the infrastructures so created, if necessitated.
- (vi) To prepare a feasibility study to implement 24x7 water supply in different zones of PUAA.
- (vii) To perform Engineering Activities required for preparation of DPR and procurement plan (work package breakdown, cost estimate)

Sub component 1-b: TA for service improvement

The broad scope of service of Technical Assistance, under Sub component 2, will be technical support to the Public Health Division, PWD on the following topics:

- (i) Network efficiency: technical assistance to design and assist PWD in the provision of new tools and works processes for an efficient management of the network, including GIS, Hydraulic modeling, and design of a 24/7 pilot zone. (the software would be purchased under separate contracts)

- (ii) Treated water monitoring system and primary network: preliminary design, provision of technical specifications, provision of a XIs monitoring tool for the bulk metering system and training to the PWD teams on the same.
- (iii) SCADA system : preliminary design of the SCADA system to be implemented within the project and provision of the Terms of References for the implementation of the SCADA system
- (iv) Customer management system: support to the PWD to foster the efficiency of the customer management system: improvement of processes, support to the PWD in the selection and implementation of a new customer software, and in the procurement of radio-frequency meters.
- (v) Provision of the Financial modeling of the water service

Sub component 2: Water resource study

The broad scope of service of Technical Assistance, under Sub component 2, will be:

- (i) To conduct an extensive water demand survey in Puducherry region and submit a detailed report on the stakeholders water requirement in long run. (domestic need, agriculture need, industrial need, livestock need, construction activity need, etc)
- (ii) To conduct an extensive scientific assessment in Puducherry region and submit a detailed report on the availability of ground water.
- (iii) To provide advisory note to Project Unit on how to use the available water resources in a sustainable manner (with technical, social, institutional & financial feasibility) without affecting the livelihood of all stakeholders mainly agricultural sector of Puducherry region.
- (iv) To provide detailed report (with technical, social, institutional & financial feasibility) with suitable suggestive measures for reducing the ground water usage by all stake holders by adopting new technological developments in the fields of drip irrigation, changing the cropping pattern, leakage in domestic supply system or any other new system applicable etc.
- (v) To provide detailed project report to maximize the usage of the surface water by suggesting various techniques including creating new

infrastructures such as planting water storing trees, creating new tanks, rehabilitating the existing water storage structures etc.

- (vi) To conduct extensive study on alternate source of water for domestic consumption and provide detailed report with cost analysis and reliable analysis, sustainable to Government of Puducherry.
- (vii) Upon instruction of the client, set-up a grievance redressal mechanism for the project/support implementation of other recommendations of the SIA report.

Sub component 3-a: Detailed Engineering works in water supply sector

The broad scope of service of Consultant, under this component, will be:

- (i) To prepare detailed estimates, BOQ, detailed good for construction drawing, detailed rate analysis and Bill of Quantities
- (ii) To prepare structural & hydraulic design of water supply infrastructures, geo technical investigation and Cost Benefit Ratio (IRR & ERR) corresponding to the following engineering works.
 - a. OHT, Sump, Distribution Grid, Pumping Main and Road Restoration
 - b. Providing and installation of smart water meter
 - c. Converting the existing water supply distribution grid to supply water to public 24 x 7.
 - d. Sinking 84 Nos. of deep tube wells and its allied works for source augmentation
 - e. Construction of Collection well, pump house, erection of pump set, genset, electrification, etc.
- (iii) To support in preparation of tender documents, fulfilling the Environmental and Social Management & commitment plan

Sub component 3-b: Detailed Design of underground sewerage system

The scope of service of Consultant under this component includes but not limited to Preliminary engineering activities required for preparation of Detailed Project Report, estimates, BOQ, detailed good for construction drawing, detailed rate analysis, structural & hydraulic design of **sewerage infrastructures (including networks and treatment)**, geo technical investigation and cost benefit ratio (IRR & ERR).

- (i) Underground sewerage system in the left out areas of PUAA.

- (ii) Revamping of the existing underground sewerage in the PUAA to the projected period of 30 years with modern techniques for operation and maintenance.
- (iii) Assessment of waste water treatment plant(s) capacity and performance, identification of gaps, and if required selection of WWTPs process, including primary, secondary and tertiary treatment as required
- (iv) Preliminary design of waste water treatment plant(s), rehabilitation or construction, depending on client's need.
- (v) Methodology/ scientific approach to achieve 100% house service connection including formulation and implementation of new bye laws if needed.

The consultant has to provide technical assistance to PU until post commissioning of the project for further 6 months if necessitated. The duration of the assignment shall be for a period of 2 years, and extendable based on decision of the client.

Eligibility criteria to AFD's financing are specified in sub-clause 1.3 of the "Procurement Guidelines for AFD-Financed Contracts in Foreign Countries" which is available online on AFD's website www.afd.fr.

Interested consultants shall apply for this service with all documental proofs in support of their eligibilities.

If the consultant is a Joint Venture (JV), the Expression of Interest shall include a copy of the JV Agreement entered into by all members. Alternatively, a letter of intent to execute a JV Agreement in the event of a successful proposal shall be signed by all members and submitted with the Expression of Interest, together with a copy of the proposed Agreement.

If the consultant is a JV, only the lead member is eligible to apply for this EOI.

Determination of the similarity of the experiences will be based on:

The nature of the services provided by the consultant so far:

1) Component 1-a

- a. Technical assistance provided in favour of Water supply / Sewerage authorities for projects implementation

2) Component 1-b

- a. Technical assistance and/or management contracts provided in favour of Water supply / Sewerage utilities for operational performance improvement

3) Component 2

- a. Expertise in recharging and conservation activities of ground water including assessment of ground water availability.

- b. Technical assistance in the field of the surface water, minimising the water usage by all stakeholders without affecting their intended needs.

4) Component 3-a and 3-b

- a. Preparation of Detailed Project Reports, estimates, rate analysis, Bill of Quantities etc.,
 - b. Hydraulic modelling and design of transmission, transfer and distribution pipeline networks system.
 - c. Design of Pumping main and distribution grid in the range from 200mm to 1000mm with a minimum root distance of 150kms.
 - d. Surge analysis of transmission mains and pumping stations including corrosion protection works.
 - e. Indicative designs and layout plans for retrofitting and development of water supply assets.
 - f. Design of bulk metering system and SCADA system.
 - g. Structural design of Over Head Tank of minimum capacity of 1ML, Sump, Collection well, Master collection well, pump-house and other RCC structures, including geotechnical works.
- The contracts size and duration;
 - The geographic zone where the services took place, and the demonstrated ability to carry out similar projects in the region and/or with spoken language of Tamil and English.

The Client shall also take into account of the following items for evaluation :

- i) Related Experience /previous engagements
- ii) In-house technical back up experts
- iii) Quality assurance procedures and certifications
- iv) Overall financial strength of the consultant in terms of turnover, profitability and cash flow (liquid assets) situation.

The firm should produce the performance report for the works completed indicating the services carried out, project cost, funding agency, period of execution etc., from the client for consideration, failing which that experience will not be considered for evaluation.

The applicants shall submit the signed Statement of Integrity, Eligibility and Social and Environmental Responsibility for evaluation, otherwise application will not be considered.

Appraisal criteria

Each experience submitted by the Applicant, will be appraised, based on the following criteria:

Criterion 1: Long Term Technical assistance in favor of large water supply infrastructure projects (nature of services corresponding to component 1-a above) (250 crores INR or 35 million USD) in the last 5 years.

Criterion 2: Long Term Technical assistance and/or management contracts in favor of large water supply services (nature of services corresponding to component 1-b above) (population served over 250 000) in the last 5 years.

Criterion 3: Consultancy work in the field of Hydrology & Hydrogeology (nature of services corresponding to component 2 above) costing more than 0.7 crores INR or 0.1 million USD in the last 5 years.

Criterion 4: Consultancy work in the design of large-scale water supply systems (Pumping main, distribution grid, hydraulic structures, smart metering and SCADA) (250 crores INR or 35 million USD) in the last 5 years.

Criterion 5: Consultancy work in the design of large-scale wastewater systems, including treatment plants (Networks, pumping, treatment) (250 crores INR or 35 million USD) in the last 5 years.

Criterion 6: The experience took place in the Indian sub-continent (India, Pakistan, Sri-Lanka, Bangladesh, Nepal)

Criterion 7: The experience performed in the context of a project funded by International Financial Institutions.

Selection rules

- The Applicant must have at least **three** experiences meeting **each** of the **criteria 1 to 5**, otherwise the application will be disqualified. However, one experience may qualify two or more criterias.
- For criteria 6 and 7, only references/experiences meeting one of the first five Criteria will be taken into account.
- The ranking of Applicants will be based on the greatest number of criterion fulfilled.
- For a Joint Venture, the experiences of all members will be added together.

General conditions & date of submission

- The undersigned reserves all rights to cancel or reject this EOI without assigning any reasons.
- The top six short-listed consultants will be eligible for participation of the Request for Proposal to carry out the consultancy services for the project.
- The decision of the Committee to be constituted by the Government of Puducherry for the purpose of selection of consultants among the responsive applications is final and binding.
- No correspondence will be entertained with the unsuccessful participants, in any manner in respect of this EOI after publishing the list of top six consultants.
- Only one application from the intended applicant is accepted.
- Expressions of Interest must be submitted in two hard copies in separately sealed envelope and one soft copy in CD super scribed –**“EOI for Technical Assistance Consultancy”** to the address mentioned below **on or before 4.00 p.m 28.08.2020**. The intending consultant from abroad should ensure that the EOI document to be delivered to the address mentioned below within the date and time of submission. The undersigned will not held any responsible for postal/ Courier delay. The responses received after the prescribed date will not be entertained by the Executive Engineer, AFD Unit, PWD, Puducherry.

The Executive Engineer,
AFD Project Unit, PWD, Subash Chandra Bose Street,
1st floor (Computer Design Centre), PWD Complex, Puducherry.
Telephone No. 0413-2336772
Fax no. 0413-2331815
Email: eeafdpwd.py@gov.in

- Interested consultants may obtain further information / clarifications at the above address during office hours (8.45 AM to 5.45 PM).




EXECUTIVE ENGINEER,
AFD PROJECT UNIT, PWD,
PUDUCHERRY

Appendix to the Request for Expressions of Interest

(to be submitted with the application, signed and unaltered)

Statement of Integrity, Eligibility and Social and Environmental Responsibility

Reference name of the bid or proposal: _____ (The "Contract")

To: _____ (The "Contracting Authority")

- 1) We recognise and accept that *Agence Française de Développement* ("AFD") only finances projects of the Contracting Authority subject to its own conditions which are set out in the Financing Agreement which benefits directly or indirectly to the Contracting Authority. As a matter of consequence, no legal relationship exists between AFD and our company, our joint venture or our suppliers, contractors, subcontractors, consultants or subconsultants. The Contracting Authority retains exclusive responsibility for the preparation and implementation of the procurement process and performance of the contract. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.
- 2) We hereby certify that neither we nor any other member of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations:
 - 2.1) Being bankrupt, wound up or ceasing our activities, having our activities administered by the courts, having entered into receivership, reorganisation or being in any analogous situation arising from any similar procedure;
 - 2.2) Having been:
 - a. convicted within the past five years by a court decision, which has the force of *res judicata* in the country where the Contract is implemented, of fraud, corruption or of any other offense committed during a procurement process or performance of a contract (in the event of such conviction, you may attach to this Statement of Integrity supporting information showing that this conviction is not relevant in the context of this Contract);
 - b. subject to an administrative sanction within the past five years by the European Union or by the competent authorities of the country where we are constituted, for fraud, corruption or for any other offense committed during a procurement process or performance of a contract (in the event of such sanction, you may attach to this Statement of Integrity supporting information showing that this sanction is not relevant in the context of this Contract);
 - c. convicted within the past five years by a court decision, which has the force of *res judicata*, of fraud, corruption or of any other offense committed during the procurement process or performance of an AFD-financed contract;
 - 2.3) Being listed for financial sanctions by the United Nations, the European Union and/or France for the purposes of fight-against-terrorist financing or threat to international peace and security;

- 2.4) Having been subject within the past five years to a contract termination fully settled against us for significant or persistent failure to comply with our contractual obligations during contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against us;
- 2.5) Not having fulfilled our fiscal obligations regarding payments of taxes in accordance with the legal provisions of either the country where we are constituted or the Contracting Authority's country;
- 2.6) Being subject to an exclusion decision of the World Bank and being listed on the website <http://www.worldbank.org/debarr> (in the event of such exclusion, you may attach to this Statement of Integrity supporting information showing that this exclusion is not relevant in the context of this Contract);
- 2.7) Having created false documents or committed misrepresentation in documentation requested by the Contracting Authority as part of the procurement process of this Contract.
- 3) We hereby certify that neither we, nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations of conflict of interest:
- 3.1) Being an affiliate controlled by the Contracting Authority or a shareholder controlling the Contracting Authority, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;
- 3.2) Having a business or family relationship with a Contracting Authority's staff involved in the procurement process or the supervision of the resulting Contract, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;
- 3.3) Being controlled by or controlling another bidder or consultant, or being under common control with another bidder or consultant, or receiving from or granting subsidies directly or indirectly to another bidder or consultant, having the same legal representative as another bidder or consultant, maintaining direct or indirect contacts with another bidder or consultant which allows us to have or give access to information contained in the respective applications, bids or proposals, influencing them or influencing decisions of the Contracting Authority;
- 3.4) Being engaged in a consulting services activity, which, by its nature, may be in conflict with the assignments that we would carry out for the Contracting Authority;
- 3.5) In the case of procurement of goods, works or plants:
- i. Having prepared or having been associated with a consultant who prepared specifications, drawings, calculations and other documentation to be used in the procurement process of this Contract;
 - ii. Having been recruited (or being proposed to be recruited) ourselves or any of our affiliates, to carry out works supervision or inspection for this Contract;
- 4) If we are a state-owned entity, and to compete in a procurement process, we certify that we have legal and financial autonomy and that we operate under commercial laws and regulations.

- 5) We undertake to bring to the attention of the Contracting Authority, which will inform AFD, any change in situation with regard to points 2 to 4 here above.
- 6) In the context of the procurement process and performance of the corresponding contract:
- 6.1) We have not and we will not engage in any dishonest conduct (act or omission) deliberately intended to deceive others, to intentionally conceal items, to violate or vitiate someone's consent, to make them circumvent legal or regulatory requirements and/or to violate their internal rules in order to obtain illegitimate profit;
- 6.2) We have not and we will not engage in any dishonest conduct (act or omission) contrary to our legal or regulatory obligations or our internal rules in order to obtain illegitimate profit;
- 6.3) We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to (i) any Person who holds a legislative, executive, administrative or judicial mandate within the State of the Contracting Authority regardless of whether that Person was nominated or elected, regardless of the permanent or temporary, paid or unpaid nature of the position and regardless of the hierarchical level the Person occupies, (ii) any other Person who performs a public function, including for a State institution or a State-owned company, or who provides a public service, or (iii) any other person defined as a Public Officer by the national laws of the Contracting Authority's country, an undue advantage of any kind, for himself or for another Person or entity, for such Public Officer to act or refrain from acting in his official capacity;
- 6.4) We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to any Person who occupies an executive position in a private sector entity or works for such an entity, regardless of the nature of his/her capacity, any undue advantage of any kind, for himself or another Person or entity for such Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations;
- 6.5) We have not and we will not engage in any practice likely to influence the contract award process to the detriment of the Contracting Authority and, in particular, in any anti-competitive practice having for object or for effect to prevent, restrict or distort competition, namely by limiting access to the market or the free exercise of competition by other undertakings;
- 6.6) Neither we nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants shall acquire or supply any equipment nor operate in any sectors under an embargo of the United Nations, the European Union or France;
- 6.7) We commit ourselves to comply with and ensure that all of our suppliers, contractors, subcontractors, consultants or subconsultants comply with international environmental and labour standards, consistent with laws and regulations applicable in the country of implementation of the Contract, including the fundamental conventions of the International Labour Organisation (ILO) and international environmental treaties. Moreover, we shall implement environmental and social risks mitigation measures when specified in the environmental and social commitment plan (ESCP) provided by the Contracting Authority.
- 7) We, as well as members of our joint venture and our suppliers, contractors, subcontractors, consultants or subconsultants authorise AFD to inspect accounts,

records and other documents relating to the procurement process and performance of the contract and to have them audited by auditors appointed by AFD.

Name: _____ In the capacity of: _____

Duly empowered to sign in the name and on behalf of¹: _____

Signature: _____ Dated: _____

¹ In case of joint venture, insert the name of the joint venture. The person who will sign the application, bid or proposal on behalf of the applicant, bidder or consultant shall attach a power of attorney from the applicant, bidder or consultant.