



DELHI JAL BOARD
GOVT. OF NCT OF DELHI
Varunalaya Phase I, Karol Bagh
New Delhi – 110005
Delhi, India
Phone/Fax: +91-11-2355-4573



JICA ASSISTED DELHI WATER SUPPLY IMPROVEMENT PROJECT
IN CHANDRAWAL WTP COMMAND AREA
(LOAN NO. ID-P225)

NIT NO. 03 (2018-19) EE (Project) W-II

VOLUME : I / V

BIDDING DOCUMENTS

(Part 1: Bidding Procedures)

TENDER DOCUMENT

FOR

PACKAGE – 3 (Central)

**Improvement of Water Supply System including
Operation and maintenance of Transmission & Distribution
Pipes, Pumping Stations, Service Connections and Consumer
Meters with DMA formation and NRW Reduction in Chandrawal
WTP Command Area (Central)**

ON

INTERNATIONAL COMPETITIVE BIDDING

December 2018

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Invitation for Bids

DELHI JAL BOARD: GOVT. OF NCT DELHI
OFFICE OF EXECUTIVE ENGINEER (PROJECT) WATER-II
ROOM NO. 501, VARUNALAYA PHASE: I, KAROL BAGH, NEW DELHI-110005,
Telephone No.:011-23554573; E-mail address: eepw2.djb@nic.in

NIT No.- 03 (2018-19)/EE(Project)W-II

1. The Government of India has received a Loan from the Japan International Cooperation Agency (JICA) toward the cost of the Delhi Water Supply Improvement Project in Chandrawal Water Treatment Plant Command Area (ID-P 225). It is intended that part of the proceeds of this Loan will be applied to eligible payments under the contract for Improvement of Water Supply System including Operation and maintenance of Transmission & Distribution Pipes, Pumping Stations, Service Connections and Consumer Meters with DMA formation and NRW Reduction in Chandrawal WTP Command Area, Package 3 (Central).
2. The Delhi Jal Board (DJB) an undertaking of the Government of National Capital Territory (NCT) of Delhi now invites sealed Bids from eligible Bidders for the construction and completion of Improvement of Water Supply System by Construction / Rehabilitation / Replacement, Supply, Laying, Installation, Testing, Commissioning of Transmission and Distribution Pipes with Appurtenances, Pumping Stations, Underground Reservoirs, Service Connections and Consumer Meters, SCADA system, along with DMA formation and NRW Reduction in a Project Construction Period of 5-years and 4.5 -years O&M during construction period plus 5-years O&M after Construction to achieve the equitable and continuous (24 hours & 7 days/week) water distribution in the Chandrawal WTP Command Area. [Package 3: Central Zone. (“the Works”)].

The Delhi Jal Board (DJB) intends to award the contract for;

| Name of the Contract | Type of Contract | Bid Security (Rs.) | Completion Period |
|--|------------------|--|--|
| Improvement of Water Supply System by Construction/ Rehabilitation / Replacement, Supply, Laying, Installation, Testing, Commissioning of Transmission and Distribution Pipes with Appurtenances, Pumping Stations, UGRs, Service Connections and Consumer Meters, SCADA system, along with DMA formation and NRW Reduction in a Project Construction Period of 5-years and 4.5 -years O&M during construction period plus 5-years O&M after Construction to achieve the equitable and continuous (24 hours & 7 days/week) water distribution in the Chandrawal WTP Command Area (Package 3: Central Zone) | Bill of Quantity | Rs. 13.80 crore (in form of BG in favour of Delhi Jal Board) | i) Construction period : 5 years ii) Preparatory period: 6 months from the date of work award iii) O&M during construction period : 4.5 years iv) O&M after construction period : 5 years |

3. Bidding will be conducted through procedures in accordance with the applicable Guidelines for Procurement under Japanese ODA Loans, and is open to all Bidders from eligible source countries, as defined in the Loan Agreement.
4. Interested eligible Tenderers may obtain further information and inspect the Bidding Documents at the office of the Executive Engineer (Project) Water-II, Delhi Jal Board, Govt of NCT of Delhi:

Address: Room No. 501, Varunalaya Phase:I, Karol Bagh, New Delhi 110005

Telephone: 011-23554573

Electronic mail address: eepw2.djb@nic.in.

Also, for the reference purpose only, Bidding Documents are available on the DJB Web site, www.delhijalboard.nic.in under Expression of Interest link. In the event of any discrepancy between the downloaded copy and the original purchased, as stipulated in Para 5, the original shall prevail.

5. A complete set of the original Tender Documents may be purchased by interested Tenderer(s) on the submission of a written Application to the address above and upon payment of a non-refundable fee of **INR 50,000 (Indian Rupees Fifty Thousand only)**. The non-refundable fees for Tender documents shall be paid in shape of Bank Draft issued by any Scheduled Bank of India approved by RBI or any scheduled foreign bank with business in India in favour of, **Delhi Jal Board**. The downloaded copy shall be used for information only but not for submission of Bid.

A Tenderer may be a Firm (single entity) or a Joint Venture (JV) of several entities. In case of JV, any member of the JV who have purchased the Tender document would be sufficient to submit the Tender on behalf of the JV.

6. The provisions in the Instructions to Bidders (ITB) and in the General Conditions of Contract (GC) are the provisions of the Standard Bidding Documents for the Procurement of Works under Japanese ODA Loans.
7. Bids must be delivered to the address given above (in para 4) on or before the date and time specified in the schedule below and must be accompanied by a Bid Security given above (in para 2). Bidding Schedule are:

Start date & time for purchasing Tender Documents at 10:00 on 01.01.2019

Last date & time for purchasing Tender documents at 11:00 on 26.02.2019

Date & time of Pre-bid meeting at 11:00 on 21.01.2019

Last date & time for submission of Bids at 15:00 on 28.02.2019

Date / time of opening of Technical bid at 15:15 on 28.02.2019

8. Bids will be opened in the presence of Bidders' representatives who choose to attend at time and date specified in schedule above (para 7) at the offices of the Executive Engineer (Project) Water-II, DJB, address at Room No. 501, Varunalaya Phase:I, Karol Bagh, New Delhi 110005.

9. The Bid shall remain valid for the period of 150 days after the last date of submission of bids. Any further corrigendum/addendum/clarification, if any, will be uploaded on Delhi Jal Board's website i.e. www.delhijalboard.nic.in only.

(B.S. Rawat)
EE (Project) Water-II

PART - 1

BIDDING PROCEDURES

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Section I : Instructions to Bidders (ITB)

The Instructions to Bidders governing this bidding process are the “Instructions to Bidders” included in **Option B: Two-Envelope Bidding, Section I**, of the Standard Bidding Documents for Procurement of Works (version 1.1), published by JICA in October, 2012. Those Instructions to Bidders are available on the JICA’s web site shown below:

http://www.jica.go.jp/english/our_work/types_of_assistance/oda_loans/oda_op_info/guide/tender/index.html

A copy of these Instructions to Bidders is not attached to these Bidding Documents

Any supplement the information, requirements or changes included in Section I, Instructions to Bidders (ITB), shall be introduced only through the Section II, Bid Data Sheet (BDS)

Section II : Bid Data Sheet (BDS)

| A. General | |
|-------------------|---|
| ITB 1.1 | The number of the Invitation for Bids is: 03 (2018-19) EE (Project) W-II |
| ITB 1.1 | The Employer is: DELHI JAL BOARD |
| ITB 1.1 | <p>The name, identification and number of the lot(s) (contract(s) comprising this ICB are:</p> <p>Improvement of Water Supply System by Construction / Rehabilitation / Replacement, Supply, Laying, Installation, Testing, Commissioning of Transmission and Distribution Pipes with Appurtenances, Pumping Stations, Underground Reservoirs, Service Connections and Consumer Meters, SCADA system, along with DMA formation and NRW Reduction in a Project Construction Period of 5-years and 4.5 -years O&M during construction period plus 5-years O&M after Construction to achieve the equitable and continuous (24 hours & 7 days/week) water distribution in the Chandrawal WTP Command Area (Package 3: Central Zone)</p> <p>, single contract.</p> |
| ITB 2.1 | The Borrower is: The President of India |
| ITB 2.1 | <p>The number of the Loan Agreement is: ID-P225</p> <p>The amount of a Japanese ODA Loan is: JPY 28,975,000,000</p> <p>The signed date of the Loan Agreement is: October 29, 2012</p> |
| ITB 2.1 | The name of the Project is: Delhi Water Supply Improvement Project in Chandrawal Water Treatment Plant Command Area (ID-P225) |
| ITB 2.2 | The applicable Guidelines for Procurement under Japanese ODA Loans are those published in April 2012. |
| ITB 3.1(c) | A list of debarred firms and individuals is available at the World Bank's website: www.worldbank.org/debarr |
| ITB 4.5 | This bidding is not subject to prequalification. |
| ITB 4.7 | <p><i>Add new ITB 4.7 as;</i></p> <p>“The Bidders shall not be in financial restructuring process under the Corporate Debt Restructuring Act., during bid evaluation and execution of contract.”</p> |

| B. Bidding Documents | |
|-------------------------------|--|
| ITB 7.1 | <p>For clarification purposes only, the Employer's address is:</p> <p>Attention: Executive Engineer (Project) Water -II, Delhi Jal Board: Govt of NCT of Delhi</p> <p>Street Address: Varunalaya Phase:I, Karol Bagh,</p> <p>Floor/Room number: 5th Floor / Room No.501</p> <p>City: New Delhi</p> <p>ZIP Code: 110005</p> <p>Country: India</p> <p>Telephone: 011-23554573</p> <p>Facsimile number: 011 -23554573</p> <p>Electronic mail address: eepw2.djb@nic.in</p> |
| ITB 7.1 | Responses to any request for clarification, if any, will be published on the Employer's web page. www.delhijalboard.nic.in |
| ITB 7.4 | <p>A Pre-bid meeting will take place at the following date, time and place:</p> <p><i>(3 weeks after Tender announced date)</i></p> <p>Time: 11.00 am 21/01/2019</p> <p>Place: Varunalaya Phase II, Conf. Hall, Karol Bagh New Delhi – 110005</p> <p>A site visit conducted by the Employer will be organized.</p> |
| ITB 8.2 | Addendum, if any, will be published on the Employer's web page. |
| C. Preparation of Bids | |
| ITB 10.1 | The language of the Bid is: English. |
| ITB 11.2 (h) | <p>The Bidder shall submit with its Technical Bid the following additional documents:</p> <p>(i) Form – 6: Format for Affidavit which shall be signed and dated by the Bidder's authorized representative.</p> <p>(ii) The original Bidding Documents Volume I, II, III & IV issued by Employer, duly stamped and initialed by the authorized signatory.</p> |
| ITB 11.3 (d) | <p>The Bidder shall submit with its Price Bid the following additional documents:</p> <p>(i) The original Bidding Document Volume V Price Bid issued by Employer, duly stamped and initialed by the authorized signatory</p> |
| ITB 13.2 | Alternative times for completion will not be permitted. |

| | |
|---------------------|--|
| TB 14.1 | <i>“the Bill of Quantities” is read as “the Bill of Quantities and the Price Schedules”</i> |
| ITB 14.2 | <p><i>Replace this sub-clauses ITB 14.2 with:</i></p> <p>“The Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities and Price Schedules. Items against which no rate or price is entered by the Bidder shall be deemed covered by the rates for other items in the Bill of Quantities and Price Schedules and will not be paid for separately by the Employer. An item not listed in the priced Bill of Quantities and Price Schedules shall be assumed to be not included in the Bid, and provided that the Bid is determined substantially responsive notwithstanding this omission, the highest price of the item quoted by substantially responsive Bidders will be added to the Bid Price and the equivalent total cost of the Bid so determined will be used for price comparison.</p> <p>Bidders shall quote for the entire construction works including portion of Design-Build and Operation and Maintenance (O&M) Services on a single responsibility basis such that the total Bid Price covers all the Contractor’s obligations mentioned in or to be reasonably inferred from the Bidding Documents in respect of the design (Design-Build portion), construction, manufacture, including procurement and subcontracting (if any), delivery and installation for completion of the works, and Operation & Maintenance.</p> <p>This includes all requirements under the Contractor’s responsibilities for testing, pre-commissioning and commissioning of the entire system and, where so required by the Bidding Documents, the Insurances, the acquisition of all permits, approvals and licenses, and training services and such other items and services as shall be specified in the Bidding Documents, all in accordance with the requirements of the Conditions of Contract. Items against which no price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed to be covered by the prices for other items.</p> <p>Bidder shall read careful and acknowledge the “Bill of Quantities” and “Notes on Prices Schedules” stated in Section IV Bid Form at the quotation of Price Proposal.”</p> |
| ITB 15.1 | <p>The currency(ies) of the Bid shall be as described below:</p> <p>The unit rates and prices shall be quoted by the Bidder in the Bills of Quantities and the Price Schedules separately in the following currencies:</p> <ul style="list-style-type: none"> (i) for those inputs to the Works that the Bidder expects to supply from within the Employer’s country, in Indian National Rupee (INR), the name of the currency of the Employer’s country, and further referred to as “the local currency”; and (ii) for those inputs to the Works that the Bidder expects to supply from outside the Employer’s country (referred to as “the foreign currency requirements”), in Japanese Yen (JPY), United States Dollar and/or Euro (EUR). |
| ITB 18.1 | The Bid validity period shall be 150 days. |
| ITB 18.3 (a) | The Bid Price shall be adjusted by the following factor: Not Applicable. |

| | |
|--|--|
| ITB 19.1 | The amount and currency of the Bid Security shall be INR 138,000,000.00 (Indian Rupees 138 Million only) in favour of “Delhi Jal Board”. |
| ITB 19.2(a) | If the BG is issued by Indian bank, the same shall be a bank named in the list of Scheduled Commercial Banks issued by Reserve Bank of India (RBI). |
| ITB 19.2 (d) | Other types of acceptable securities: None |
| ITB 20.1 | In addition to the original of the Bid, the number of copies is four. |
| ITB 20.2 | The written confirmation of authorization to sign on behalf of the Bidder shall consist of: A written Power of Attorney authorizing the signatory of the bid to commit for the bidder, signed by their legally authorized representatives. |
| ITB 20.3 | <i>Add following sentence at end of this subparagraph;</i> “Each page of bids should be consecutive page numbered and initialled by the person signing the Bid.” |
| D. Submission and Opening of Bids | |
| ITB 22.1 | For <u>Bid submission purposes</u> only, the Employer’s address is: Attention: Executive Engineer (Project) Water-II Delhi Jal Board: Govt of NCT of Delhi, Street Address: Varunalaya Phase: I, Karol Bagh, Floor/Room number: Fifth Floor / Room No.501 City: New Delhi ZIP Code: 110005 Country: India The deadline for Bid (and Application) submission is: Date: 28 February 2019 Time: 3:00 PM |
| .ITB 25.1 | For <u>Bid opening shall take place at:</u> Attention: Executive Engineer (Project) Water-II Delhi Jal Board: Govt of NCT of Delhi, Street Address: Varunalaya Phase: I, Karol Bagh, Floor/Room number: Fifth Floor / Room No.501 City: New Delhi ZIP Code: 110005 |

| | |
|--|---|
| | Country: India Date: 28 February 2019 Time: 3:15 PM |
| E. Evaluation, and Comparison of Bids | |
| ITB 34.1 | <p>The currency that shall be used for Bid evaluation and comparison purposes to convert all Bid Prices expressed in various currencies into a single currency is: Indian National Rupee (INR) only. The source of exchange rate shall be: the Reserve Bank of India (RBI).</p> <p>The date for the exchange rate shall be: 28 days prior to the date of Bids submission specified in ITB 22.1.</p> <p>The Employer will convert the amounts in various currencies in which the Bid Price, corrected pursuant to ITB 33, is payable (excluding Provisional Sums) to the single currency identified above at the selling rates established for similar transactions by the authority specified and on the date stipulated above.</p> |
| ITB 35.2 | Form EXP-2(b) read as Form EXP-4.2 (b). |

Section III : Evaluation and Qualification Criteria (EQC)

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1 Single-Stage: Two-Envelope Bidding Procedure

2 Evaluation of Technical Bids

2.1 Qualification

2.1.1 Conditions of Qualification Criteria

(i) Exchange Rate for Qualification Criteria

Wherever a Form in Section IV, Bidding Forms, requires a Bidder to state a monetary amount, Bidders should indicate the USD equivalent using the rate of exchange determined as follows:

- (a) For construction turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year.
- (b) Value of single contract - Exchange rate prevailing on the date of the contract.

Exchange rates shall be taken from the publicly available source identified in BDS 34.1 or, in case such rates are not available in the source identified above, any other publicly available source acceptable to the Employer. Any error in determining the exchange rates may be corrected by the Employer.

(ii) Specialist Subcontractor:

The Specialist Sub-contractor for this Contract purpose is meant for an agency (a contractor/ manufacturer/ supplier) who associates with the Bidder before submitting the Bid by way of an agreement or firm commitment to perform any specified job under this Tender as allowed for to be performed by the Specialist Sub-contractor. In such a case, the past experience of the agency (Specialist Sub-contractor) would be considered for evaluation of the Bids for that respective qualification criteria.

If the Bidder is planning to subcontract any of the key activities indicated in item 4.2 (b) Specific Construction Experience in the key Activities of Sub-Clause 2.1.2 Qualification Criteria in this section, he shall clearly identify the proposed specialist subcontractor(s) in accordance with ITB 35.2.

2.1.2 Qualification Criteria:

| Eligibility and Qualification Criteria | | | Compliance Requirements | | | | Documentation |
|---|--|---|---------------------------------------|---|---------------------------------------|------------|---|
| No. | Factor | Requirement | Single Entity | Joint Venture (existing or intended) | | | Submission Requirements |
| | | | | All Parties Combined | Each Member | One Member | |
| 1. Eligibility | | | | | | | |
| 1.1 | Nationality | Nationality in accordance with ITB Sub-Clause 4.3 | Must meet requirement | N/A | Must meet requirement | N/A | Forms ELI – 1.1 and 1.2, with attachments |
| 1.2 | Conflict of Interest | No conflicts of interest in ITB Sub-Clauses 4.2 | Must meet requirement | N/A | Must meet requirement | N/A | Letter of Technical Bid |
| 1.3 | JICA Ineligibility | Not having been declared ineligible by JICA, as described in ITB Sub-Clause 4.4 | Must meet requirement | N/A | Must meet requirement | N/A | Letter of Technical Bid Form ACK |
| 2. Historical Contract Non-Performance | | | | | | | |
| 2.1 | History of Non-Performing Contracts | Non-performance of a contract ⁽ⁱ⁾ did not occur as a result of contractor's default since 1 st January 2017 | Must meet requirement ⁽ⁱⁱ⁾ | N/A | Must meet requirement ⁽ⁱⁱ⁾ | N/A | Form CON – 2 |
| 2.2 | Pending Litigation | All pending litigation shall in total not represent more than <u>50%</u> of the Bidder's net worth and shall be treated as resolved against the Bidder. | Must meet requirement ⁽ⁱⁱ⁾ | N/A | Must meet requirement ⁽ⁱⁱ⁾ | N/A | Form CON – 2 |
| 2.3 | Litigation History | No consistent history of court/arbitral award decisions against the Bidder ⁽ⁱⁱⁱ⁾ | Must meet requirement ⁽ⁱⁱ⁾ | N/A | Must meet requirement ⁽ⁱⁱ⁾ | N/A | Form CON – 2 |

| Eligibility and Qualification Criteria | | | Compliance Requirements | | | | Documentation |
|---|------------------------------|---|-------------------------|---|-----------------------|------------|---------------------------------|
| No. | Factor | Requirement | Single Entity | Joint Venture (existing or intended) | | | Submission Requirements |
| | | | | All Parties Combined | Each Member | One Member | |
| | | since 1 st January 2013 | | | | | |
| <p><u>Notes for the Bidder</u></p> <p>(i) Non-performance, as decided by the Employer, shall include all contracts (a) where non-performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) that were so challenged but fully settled against the contractor. Non-performance shall not include contracts where Employer's decision was overruled by the dispute resolution mechanism. Non-performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.</p> <p>(ii) This requirement also applies to contracts executed by the Bidder as a JV member.</p> <p>(iii) The Bidder shall provide accurate information on the related Bid Form about any litigation or arbitration resulting from contracts completed or ongoing under its execution since Jan 1st, 2012. A consistent history of awards against the Bidder or any member of a joint venture may result in failure of the Bid.</p> | | | | | | | |
| 3. Financial Situation | | | | | | | |
| 3.1 | Financial Performance | The audited balance sheets or, if not required by the laws of the Bidder's country, other financial statements acceptable to the Employer, for the last <u>five (5) financial</u> years prior to Bid submission deadline shall be submitted and must demonstrate the current soundness of the Bidder's financial position and indicate its long-term profitability. As the minimum requirement, an | Must meet requirement | N/A | Must meet requirement | N/A | Form FIN – 3.1 with attachments |

| Eligibility and Qualification Criteria | | | Compliance Requirements | | | Documentation | |
|--|---|---|-------------------------|---|----------------------------------|----------------------------------|-----------------------------|
| No. | Factor | Requirement | Single Entity | Joint Venture (existing or intended) | | | Submission Requirements |
| | | | | All Parties Combined | Each Member | One Member | |
| | | Bidder's net worth calculated as the difference between total assets and total liabilities should be positive. | | | | | |
| 3.2 | Average Annual Construction Turnover | Minimum average annual construction turnover of USD 34 Million calculated as total certified payments received for contracts in progress and/ or completed, within the last 5 financial years, divided by 5 years. | Must meet requirement | Must meet requirement | Must meet 25% of the requirement | Must meet 40% of the requirement | Form FIN – 3.2 |
| 3.3 | Financial Resources | (i) The Bidder shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as USD 5.6 Million. for the subject contract(s) net of the Bidders other commitments. | Must meet requirement | Must meet requirement | Must meet 25% of the requirement | Must meet 40% of the requirement | Form FIR – 1 |
| | | (ii) The Bidder shall also demonstrate, to the satisfaction of the Employer, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments. | Must meet requirement | Must meet requirement | N/A | N/A | Form FIR – 1 and FIR – 2 |

| Eligibility and Qualification Criteria | | | Compliance Requirements | | | Documentation | |
|--|---|--|-------------------------|---|-----------------------|---------------|----------------------------|
| No. | Factor | Requirement | Single Entity | Joint Venture (existing or intended) | | | Submission Requirements |
| | | | | All Parties Combined | Each Member | One Member | |
| 4. Experience | | | | | | | |
| 4.1 | General Construction Experience | Experience for completed / ongoing construction contracts in the role of prime contractor (single entity or JV member), or management contractor (i) for at least 5 years starting 1 st January 2013. | Must meet requirement | N/A | Must meet requirement | N/A | Form EXP – 4.1 |
| 4.2 (a) | Specific Construction Experience | The following experience of similar (ii) contracts that have been satisfactorily completed as a prime contractor (single entity or JV member) (iii) between 1st January 2009 and Bid submission deadline. Pipe Works: The contract(s) including supply, construction, installation, testing and commissioning of a new/rehabilitation of Water Supply Pipeline Systems in at least; a) one contract of not less than the length of 350 km with CI/MS/DI pipes, out of which 90 km shall be | Must meet requirement | Must meet requirement | N/A | N/A | Form EXP – 4.2 (a) |

| Eligibility and Qualification Criteria | | | Compliance Requirements | | | Documentation | |
|--|--|---|-------------------------|---|-------------|---------------|----------------------------|
| No. | Factor | Requirement | Single Entity | Joint Venture (existing or intended) | | | Submission Requirements |
| | | | | All Parties Combined | Each Member | One Member | |
| | | of diameter 350 mm and above, or b) two contracts each of not less than the length of 235km with CI/MS/DI pipes, out of which each of 60 km shall be of diameter 350 mm and above, or c) three contracts each of not less than the length of 175km with CI/MS/DI pipes, out of which each of 45 km shall be of diameter 350 mm and above. | | | | | |
| 4.2 (b) | Specific Construction Experience in the key Activities: | For the above or other contracts completed and under implementation as prime contractor (single entity or JV member), management contractor or subcontractor ^(iv) between 1st January 2009 and Bid submission deadline, a minimum construction experience in the following key activities successfully completed. | - | - | - | - | - |

| Eligibility and Qualification Criteria | | | Compliance Requirements | | | Documentation | |
|--|---|---|---|---|-------------|---------------|----------------------------|
| No. | Factor | Requirement | Single Entity | Joint Venture (existing or intended) | | | Submission Requirements |
| | | | | All Parties Combined | Each Member | One Member | |
| | (i) Rehabilitation of Existing Pipe. | Networks including Service Connection: Rehabilitation of existing distribution networks by targeting the reduction of NRW/UFW as per the DMA or zoning concepts. The overall number of service connections shall be a minimum of 35000 or serving 175000 population in single Contract. | Must meet requirement (can be a specialist subcontractor ^(v)) | Must meet requirement ^(iv) (can be a specialist subcontractor ^(v)) | N/A | N/A | Form EXP – 4.2 (b) |
| | (ii) Under Ground Reservoir (UGR/GR) | Construction, Testing & commissioning of water retaining structures with a cumulative capacity of 50 ML in not more than 2 contracts | Must meet requirement (can be a specialist subcontractor ^(v)) | Must meet requirement ^(iv) (can be a specialist subcontractor ^(v)) | N/A | N/A | Form EXP – 4.2 (b) |
| | (iii) Pumping System | Design, Supply, Installation, Testing & Commissioning of pumping systems with a cumulative capacity of 1500 KW water supply systems | Must meet requirement (can be a specialist subcontractor ^(v)) | Must meet requirement ^(iv) (can be a specialist subcontractor ^(v)) | N/A | N/A | Form EXP – 4.2 (b) |

| Eligibility and Qualification Criteria | | | Compliance Requirements | | | Documentation | |
|--|--------------------|---|---|---|-------------|---------------|----------------------------|
| No. | Factor | Requirement | Single Entity | Joint Venture (existing or intended) | | | Submission Requirements |
| | | | | All Parties Combined | Each Member | One Member | |
| | (iv) SCADA | Design, supply, installation, testing & commissioning of SCADA for Water Supply System; at least one contract should include transmission and distribution with managing more than one UGR / SR serving a minimum 35000 number of service connections or 175000 population. | Must meet requirement (can be a specialist subcontractor ^(v)) | Must meet requirement ^(iv) (can be a specialist subcontractor ^(v)) | N/A | N/A | Form EXP – 4.2 (b) |
| | (v) O&M | O&M of Water Supply System with at least one contract including O&M of DMA/Zone based water distribution system in a project area serving a minimum of 35000 house service connections or 175000 population for a minimum period of 1 year including DNP. Bidder should have experience in NRW/UFW reduction, customer meter reading in same or different projects. | Must meet requirement (can be a specialist subcontractor ^(v)) | Must meet requirement ^(iv) (can be a specialist subcontractor ^(v)) | N/A | N/A | Form EXP – 4.2 (b) |

Notes for the Bidder

- (i)** A management contractor is a firm which takes on the role of contract management as a “general” contractor could do. It does not normally perform directly the construction work(s) associated with the contract. Rather, it manages the work of other (sub) contractors while bearing full responsibility and risk for price, quality, and timely performance of the work contract.
- (ii)** The similarity shall be based on the physical size, complexity, methods/technology and/or other characteristics described in Section VI, Scope of Works. Summation of number of small value contracts (less than the value specified under requirement) to meet the overall requirement will not be accepted.

| Eligibility and Qualification Criteria | | | Compliance Requirements | | | Documentation | |
|--|--------|-------------|-------------------------|---|-------------|---------------|---|
| No. | Factor | Requirement | Single Entity | Joint Venture (existing or intended) | | | Submission Requirements |
| | | | | All Parties Combined | Each Member | One Member | |
| | | | | | | | <p>(iii) Substantially completed contract shall be considered which shall be based on 80% or more of the works completed under the contract.</p> <p>(iv) In case of a JV, the value of contracts completed by its members shall not be aggregated to determine whether the requirement of the minimum value of a single contract has been met. Instead, each contract performed by each member shall satisfy the minimum value of a single contract as required for single entity. In determining whether the JV meets the requirement of total number of contracts, only the number of contracts completed by all members, each of value equal or more than the minimum value required, shall be aggregated.</p> <p>(v) For contracts under which the Bidder participated as a JV member or subcontractor shall be considered to meet this requirement. The proposed Specialist Sub-contractor's experience in similar capacity elsewhere will be considered.</p> <p>(vi) The Bidder shall furnish the certificate for the component certified by employer (end user), details shows in the certificate to be specified required information (as per form EXP-5 in Section IV Bid Forms). If no evidence is furnished in the Bid, the Employer shall not be considered.</p> <p>In case of any foreign experience being claimed by the Bidder, the Bidder shall submit copies of such Experience Certificates issued by the client (authorized signatory of the client) with self-certification by declaration on affidavit.</p> <p>In case the Experience Certificate issued by the authorized signatory of Client is in a language other than English, the Bidder shall also submit the translation of such Experience Certificate from other languages to English with self-certification. The Bidder shall also submit the Email ID and Telephone Nos. of the concerned client.</p> |

2.2 Technical Proposal

2.2.1 Assessment of adequacy of Technical Proposal with Requirements

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, material sourcing and proposed technology in sufficient detail and fully in accordance with the requirements stipulated in Section VI Works Requirements.

In order to reach such a determination, the Employer will examine the information supplied by the Bidders and other requirements in the bidding documents, taking into account the following factors:

Each Technical Proposal will be given a Responsive / Non-Responsive, criteria for the evaluations of all forms required in the Technical Proposal in Section IV, Bid Forms. A Proposal may be considered "Non-Responsive" at this stage if it does not respond to all aspects of the technical requirements of the Bid documents, particularly the Section VI Works Requirements, or if it fails any items specified in ITB 11.2 including each of the Forms of Technical Proposal in Section IV. Nonconformity to technical requirement, which are justifiable grounds for rejection of a Bid are as follows;

- (a) Failure to comply with complete requirement in this section (item 2.2.2, 2.2.3 and 2.2.4 below);
- (b) Inadequate contents in the Forms (e.g., failure to bid for the required scope of work, failure to quote for major items, failure to meet major technical requirements and presentation of absolutely unrealistic and inadequate implementation Plans and schedules regarding performance); and
- (c) Failure to provide evidence (s) including certificate (s) if required in the Form, will be determined as "Non-Responsive" for the Form.

Technical particulars

Bidder shall state the Schedule of Technical Particulars, like Mechanical Works, Electrical Works, Instrumentation Works, etc. in the formats indicated in 'Section IV : Bidding Forms' of the proposed facilities in respect to the Works Requirements. Plant and equipment offered shall have a minimum (or maximum, as the case may be) level of functional guarantees specified in the Works requirements to be considered responsive. Bids offering plant and equipment with functional guarantees less (or more) than the minimum (or maximum) specified will be rejected.

2.2.2 Time Schedule

Time to complete the Plant and Installation Services from the effective date specified in Section II Bid Data sheet, and the plant and equipment covered by this bidding are required to be shipped, installed and the facilities completed within the period specified in Section VI Works requirements. Bidders submitting bids deviate from specified time schedule will be rejected.

2.2.3 Personnel

The Bidder must demonstrate that it has the personnel for the key positions that meet the following requirements:

| No. | Position | Qualification | Total Work Experience (years)* | Experience in Similar Works (years)* |
|-----|---|---|--------------------------------|--------------------------------------|
| 1 | Project Manager | Graduate in Civil/Electrical/Mechanical Engineering with experience in Project Management | 15 | 10 |
| 2 | SCADA Engineer for Transmission and Distribution Infrastructure | Graduate in Electronics Engineering/ Information Technology/ Control Engineering/ Computer Science or equivalent. | 10 | 5 detail requirement in Note 2 below |
| 3 | Quality Control Engineer | Graduate in Civil Engineering | 10 | 5 |
| 4 | Health & Safety (Accident Prevention) Officer | Graduate in Engineering | 5 | 3 |
| 5 | Trenchless Technology Engineer | Graduate in Engineering | 10 | 5 |
| 6 | O&M Manager | Graduate in Electrical /Mechanical Engineering. | 15 | 10 |

* Years are estimated as on Bid submission date.

Note:

- 1) The above staff should all be full time employees of the bidder's firm or proposed Specialist Subcontractor. The firms should submit the evidence of employee's employment as regular staff.
- 2) SCADA Engineer should have experience at least 5 years design to enable 24x7 equitable and continuous distribution of potable Water Supply Systems with integrated SCADA systems covering Transmission and Distribution infrastructure system.
- 3) O&M Manager should have Minimum 15 years of experience in 24x7 equitable and continuous Potable Water Supply Systems with the following specific experience.
 - 5 years in O&M of water supply systems with integrated SCADA systems covering Transmission and Distribution infrastructure, including Demand forecasting & planning and Distribution works.
 - He/she should have experience to perform supervise the following functions/activities with constant level of data from each zones, (DMAs).

- To prepare general guidelines on optimization of flow and pressure in each of the Zones/DMA's from equitable distribution point of view and monitor the compliance on the same by the respective distribution SCADA operators.
- To modify water supply control and management plan responding to the change of WTP capacity, and
- To instruct the total operation for all UGRs and BPSs under unexpected situations such as accidents, water quality trouble or water shortage.
- To operate and analyse the Applications software such as Energy Management, Water Loss Management System etc.

The Bidder shall provide details of the proposed personnel and their experience records in Form PER-1 and Form PER-2 in Section IV, Bidding Forms.

2.2.4 Equipment

The Bidder must demonstrate that it has the key equipment listed hereafter:

| No. | Equipment Type and Characteristics | Minimum Number required |
|------------|---|--------------------------------|
| 1 | Excavator (Medium rock) | 1 |
| 2 | Dewatering pumping system | 6 |
| 3 | Detector (underground) | 5 |
| 4 | Shovel / Loader | 3 |
| 5 | Pneumatic soil Consolidator | 3 |
| 6 | Crane (10 tonne capacity) | 1 |
| 7 | Concrete mixer machine (Electrical / Diesel) | 2 |
| 8 | Dump trucks / Tipper | 4 |
| 9 | Transmission pipe Fabrication (MS pipe rolling machine) | 1 |
| 6 | Tower Crane | 1 |

The Bidder shall provide further details of proposed items of equipment using Form EQU in Section IV, Bidding Forms. Bidder shall provide written assurance by equipment supplier that each piece of equipment will arrive on time at site.

3 Evaluation of Price Bids

3.1 In addition to the criteria in ITB 36.2 (a)–(d) the following criteria shall apply:

The evaluated cost of quantifiable nonconformities is determined as follows: Pursuant to ITB 32.3, the cost of all quantifiable nonmaterial nonconformities or omissions shall be evaluated. The Employer will make its own assessment of the cost of any nonmaterial nonconformities and omissions for the purpose of ensuring fair comparison of Bids, except for the omissions stated in ITB 14.2 which shall be treated in accordance with said clause.

3.2 Other Factors

The following factors and methods will apply under ITB 36.2 (f):

(a) Operation and Maintenance Costs

Since the operation and maintenance costs of the facilities being procured form a major part of the life cycle cost of the facilities, these costs will be evaluated according to the principles given hereafter, including the cost of spare parts for the initial period of operation stated below and based on prices furnished by each Bidder in Price Schedule , as well as on past experience of the Employer or other employers similarly placed. Such costs shall be added to the Bid Price for evaluation.

The operation and maintenance costs factors for calculation of the life cycle cost are:

- (i) Lowest Life Cycle (LLC) Period: 9.5 years, consisting of 4.5 years O&M of existing system and as build, and 5 years Full O&M period (existing and new)
- (ii) Operation and Maintenance (O&M) costs including all spare parts, the Bidder's O&M cost furnished for the period of 9.5 years, 4.5 years construction (consisting of O&M of existing system and as build) and 5 years Full O&M period (the entire system of existing and new)
- (iii) Energy Cost: The estimated total cost of the electricity required by the facilities during O&M period.
 - The power consumed by the equipment supplied as a part of the facilities, based on calculations of the operating efficiencies and power consumption of all electrically-operated Plant and equipment at their rated outputs as per calculation sheet available in document.
 - The evaluation will use the current rates (INR7.2 per KVA) which are being charged by the Power Company

Note:

The Operation & Maintenance works as defined in this Bid Documents during the Preparatory Period will continue to be carried out by the Employer but this Task will shift to the Contractor right after the end of the Preparatory Period. The Bidder should consider on the following stages of the O&M as per the Section VI Works requirements;

Stage 1: O&M during the Preparatory Period from the commencement date:- 6 months. This will be done by the Employer

Stage 2: O&M after preparatory period till end of Construction Period:- 4.5 years. The works in this period would include;

- *O&M of existing system*
- *O&M of newly constructed facilities. each cluster's completion schedules is stated in the Technical Proposal as per schedule in the Section VI Works requirements.*

Stage 3: O&M of all new and old facilities under this Package 3 area :- 5 years from the Taking-Over Certificate of entire Package3 completed.

(b) Functional Guarantees of the Plant and Installation Services

Bidder shall state the functional guarantees in a format indicated in Section IV Bidding Forms (e.g. performance, efficiency, consumption) of the proposed facilities in respect to the Works Requirements. Plant and equipment offered shall have a minimum (or maximum, as the case may be) level of functional guarantees specified in the Works requirements to be considered responsive. Bids offering plant and equipment with functional guarantees less (or more) than the minimum (or maximum) specified will be rejected.

Section IV : Bidding Forms–Technical Bid (BFTB)

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*Note: The Bidding Forms – Price Bid (Letter of Price Bid, Schedule of Price Adjustment Data and
Price Proposal), are in the Volume V of Bidding Documents*

Letter of Technical Bid

Date: *[insert date of Bid submission]*

Loan Agreement No.: ID-P225

IFB No.: NIT NO. 03 (2018-19) EE (Project)W-II

To: Delhi Jal Board, Govt of NCT of Delhi

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including addenda issued in accordance with Instructions to Bidders (ITB 8). *[Insert the number and issuing date of each addendum]*;
- (b) We, including subcontractors meet the eligibility requirements in accordance with ITB 4 and ITB 5;
- (c) We, including subcontractors have no conflict of interest in accordance with ITB 4;
- (d) We offer to execute in conformity with the Bidding Documents the following Works: ***Improvement of Water Supply System by Construction / Rehabilitation / Replacement, Supply, Laying, Installation, Testing, Commissioning of Transmission and Distribution Pipes with Appurtenances, Pumping Stations, UGRs, Service Connections and Consumer Meters, SCADA system, along with DMA formation and NRW Reduction in a Project Construction Period of 5-years and 4.5 -years O&M during construction period plus 5-years O&M after Construction to achieve the equitable and continuous (24 hours & 7 days/week) water distribution in the Chandrawal WTP Command Area. (Package 3 : Central Zone)***
- (e) Our Bid shall be valid for a period of *[specify the number of calendar days]* days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) We are not participating, as a Bidder or as a subcontractor, in more than one Bid in this bidding process in accordance with ITB 4.2(c), other than alternative Bids submitted in accordance with ITB 13.4; and
- (g) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption.

Name of the Bidder**[insert complete name of person signing the Bid]*

Name of the person duly authorized to sign the Bid on behalf of the Bidder***[insert complete name of person duly authorized to sign the Bid]*

Title of the person signing the Bid *[insert complete title of the person signing the Bid]*

Signature of the person named above *[insert signature of person whose name and capacity are shown above]*

Date signed *[insert date of signing]* day of *[insert month]*, *[insert year]*

*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

** : Person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid.

Qualification Forms

To establish its qualifications to perform the contract in accordance with Section III, Evaluation and Qualification Criteria, the Bidder shall provide the information requested in the corresponding Forms included hereunder:

Table of Qualification Forms:

- Form ELI -1.1: Bidder Information Form
- Form ELI -1.2: Bidder's Party Information Form
- Form ELI -2: Joint Venture Agreement / Letter of Intent
- Form CON – 2: Historical Contract Non-Performance
- Form FIN - 3.1: Financial Situation
- Form FIN - 3.2: Average Annual Construction Turnover
- Form FIR -1: Financial Resources
- Form FIR -2: Current Contract Commitments
- Form EXP - 4.1: General Construction Experience
- Form EXP - 4.2(a): Specific Construction Experience
- Form EXP - 4.2(b): Specific Construction Experience in Key Activities
- Form EXP – 5: Format for Experience Certificates

Form ELI -1.1: Bidder Information Form

Date: *[insert day, month, year]*

IFP No.: *[insert number.....]*

Page *[insert page number]* of *[insert total number]* pages

Bidder's legal name

[insert full name]

In case of a JV, legal name of the representative member and each member:

[insert full name of each member in the JV and specify the representative member.]

Bidder's actual or intended country of registration:

[insert country of registration]

Bidder's actual or intended year of incorporation:

[insert year of incorporation]

Bidder's legal address in country of registration:

[insert street/ number/ town or city/ country]

Bidder's authorized representative information

Name: *[insert full name]*

Address: *[insert street/ number/ town or city/ country]*

Telephone/Fax numbers: *[insert telephone/fax numbers, including country and city codes]*

E-mail address: *[insert E-mail address]*

1. Attached are copies of original documents of

- Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.3.
- In case of a JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1
- In case of a Specialist Subcontractor, subcontractor's Authorization.

2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Form ELI -1.2: Bidder's Party Information Form

[The following form is additional to Form ELI – 1.1., and shall be completed to provide information relating to each JV member (in case the Bidder is a JV) as well as any specialist subcontractor proposed to be used by the Bidder for any part of the Contract resulting from this process]

Date: *[insert day, month, year]*

IFP No.: *[insert number]*

Page *[insert page number]* of *[insert total number]* pages

| |
|---|
| Bidder's legal name: <i>[insert full name]</i> |
| Bidder's Party legal name: <i>[insert full name of Bidder's party]</i> |
| Bidder's Party country of registration: <i>[insert country of registration]</i> |
| Bidder's Party year of incorporation: <i>[insert year of incorporation]</i> |
| Bidder's Party legal address in country of registration: <i>[insert street/ number/ town or city/ country]</i> |
| Bidder's Party authorized representative information Name: <i>[insert full name]</i> Address: <i>[insert street/ number/ town or city/ country]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> E-mail address: <i>[insert E-mail address]</i> |
| 1. Attached are copies of original documents of <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.3. 2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership. |

Form ELI -2: Sample Joint Venture Agreement / Letter of Intent

To: _____

[name and address of the Employer]

The undersigned of this declaration of cooperation are by means of attached Powers of Attorney legally authorized to act with regard to _____ *[name of the Project]* and on behalf of their organizations.

They hereby declare:

1. that they will legalize *[insert either "a Joint Venture Agreement" or "the intent to enter into Joint Venture Agreement"]* form in case that a Contract for the _____ *[name of the Project]* is awarded to their group;
2. that they have nominated _____ *[name of the lead partner]* as the Sponsor Firm of the group for the purpose of this Bid;
3. that they authorized Mr./Ms. _____ *[name of the person who is authorized to act as the Representative on behalf of the Joint Venture]* to act as the Bidder's Representative in the name and on behalf of their group.
4. that all partners of the Joint Venture shall be liable jointly and severally for the execution of the Contract;
5. that this Joint Venture is an association constituted for the purpose of the execution of the _____ *[name of the Project]* under this Contract;
6. that if the Employer accepts the Bid of this Joint Venture, it shall not be modified in its composition or constitution until the completion of Contract without the prior consent of the Employer;
7. that each partner's share of the Work, stated as percentage of the total contract amount, shall be as follows:

| Name of Partner | Share of the Scope of Work (as percentage of the contract and Scope of Work) |
|-----------------|---|
| 1. Lead Partner | |
| 2. Partner | |
| 3. Partner | |
| 4. Partner | |
| Total | 100 |

Give names and positions of the proposed Joint Venture Representatives, as well as organization's names and addresses:

| | | |
|----|--|------------|
| 1. | Name: | Signature: |
| | Position: | Date: |
| | Representative of: (Organization's Name) | |

| | | |
|----|--|------------|
| 2. | Name: | Signature: |
| | Position: | Date: |
| | Representative of: (Organization's Name) | |

| | | |
|----|--|------------|
| 3. | Name: | Signature: |
| | Position: | Date: |
| | Representative of: (Organization's Name) | |

| | | |
|----|--|------------|
| 4. | Name: | Signature: |
| | Position: | Date: |
| | Representative of: (Organization's Name) | |

| | | |
|----|--|------------|
| 5. | Name: | Signature: |
| | Position: | Date: |
| | Representative of: (Organization's Name) | |

[An authorized representative of each member of the JV shall sign, in which case the power of attorney to sign on behalf of each members shall be attached.]

Form CON – 2: Historical Contract Non-Performance

[The following table shall be filled in for the Bidder and for each member of a JV]

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Bidder's Party Legal Name :*[insert full name]*

IFP No.: *[insert number]*

Page *[insert page number]* of *[insert total number]* pages

1. History of Non-Performing Contracts

| Non-Performing Contracts | | | |
|---|---------------------------------------|---|---|
| <input type="checkbox"/> Contract non-performance did not occur during the stipulated period in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.1. | | | |
| <input type="checkbox"/> Contract(s) not performed during the stipulated period in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.1 as indicated below. | | | |
| Year | Non performed portion of contract | Contract Identification | Total Contract Amount (current value, currency, exchange rate and USD equivalent) |
| <i>[insert year]</i> | <i>[insert amount and percentage]</i> | Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for non-performance: <i>[indicate main reason(s)]</i> | <i>[insert amount]</i> |

2. Pending Litigation

| Pending Litigation | | | | |
|---|--------------------------|---|---|--|
| <input type="checkbox"/> No pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2. | | | | |
| <input type="checkbox"/> Pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2 as indicated below. | | | | |
| Year of dispute | Amount in dispute | Outcome as Percentage of Net Worth | Contract Identification | Total Contract Amount (current value, currency, exchange rate and USD equivalent) |
| <i>[insert year]</i> | <i>[insert amount]</i> | <i>[insert percentage]</i> | Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Status of dispute: <i>[Indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary]</i> | <i>[insert amount]</i> |

3. Litigation History

| Litigation History | | |
|---|--|--|
| <input type="checkbox"/> No court/arbitral award decisions against the Bidder during the stipulated period in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.3. | | |
| <input type="checkbox"/> Court/ arbitral award decisions against the during the stipulated period in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.3 as indicated below. | | |
| Year of award | Contract Identification | Total Contract Amount (current value, currency, exchange rate and USD equivalent) |
| <i>[insert year]</i> | Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Party who initiated the dispute: <i>[indicate "Employer" or "Contractor"]</i> Status of dispute: <i>[indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary]</i> | <i>[insert amount]</i> |

Form FIN - 3.1: Financial Situation

[The following table shall be filled in for the Bidder and for each member of a JV]

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Bidder's Party Legal Name: *[insert full name]*

IFP No.: *[insert number]*

Page *[insert page number]* of *[insert total number]* pages

1. Financial data

| Type of Financial information in (currency) | Historic Information for Previous 5 years (should be filled out by amount & currency and USD equivalent) | | | | |
|---|---|--------|--------|--------|--------|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| Exchange Rate* (Rate & Currency per USD1.00) | | | | | |
| Statement of Financial Position (Information from Balance Sheet) | | | | | |
| Total Assets (TA) | | | | | |
| Total Liabilities (TL) | | | | | |
| Net Worth (NW) | | | | | |
| Current Assets (CA) | | | | | |
| Current Liabilities (CL) | | | | | |
| Information from Income Statement | | | | | |
| Total Revenue (TR) | | | | | |
| Profits Before Taxes (PBT) | | | | | |
| Profits After Taxes (PAT) | | | | | |

(This format should be certified by the Statutory Auditor of Bidder / Bidder's Party)

2. Financial documents

The Bidder and its members shall provide copies of financial statements for 5 years pursuant to Section III, Qualifications Criteria and Requirements, Sub-Factor 3.1. The financial statements shall:

- (a) reflect the financial situation of the Bidder or in case of a JV, of each member, and not of an affiliated entity (such as parent company or group member).
- (b) be independently audited or certified in accordance with local legislation.
- (c) be complete, including all notes to the financial statements.
- (d) correspond to accounting periods already completed and audited.

Attached are copies of financial statements** for the 5 years required above, and complying with the requirements.

** If the most recent set of financial statements is for a period earlier than 12 months from the date of Bid, the reason for this should be justified.

In case of a Bidder that is a parent company/corporation having capital ties with its sister companies, the submission of its consolidated balance sheets should be required.

Form FIN - 3.2: Average Annual Construction Turnover

[The following table shall be filled in for the Bidder and for each member of a JV]

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Bidder's Party Legal Name: *[insert full name]*

IFP No.: *[insert number]*

Page *[insert page number]* of *[insert total number]* pages

| Annual Turnover Data (Construction only) | | | |
|---|--|--|--|
| Year | Amount and Currency | Exchange Rate* | USD Equivalent |
| <i>[indicate year]</i> | <i>[insert amount and indicate currency]</i> | <i>[insert applicable exchange rate]</i> | <i>[insert amount in USD equivalent]</i> |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Average Annual Construction Turnover ** | | | |

(This format should be certified by the Statutory Auditor of Bidder / Bidder's Party)

** Total USD equivalent for all years divided by the total number of years. See Section III, Qualification Criteria and Requirements, Sub-Factor 3.2.

Form FIR -1: Financial Resources

[The following table shall be filled in for the Bidder and for each member of a JV]

Date: [insert day, month, year]

Bidder's Legal Name: [insert full name]

Bidder's Party Legal Name: [insert full name]

IFB No. [insert number]

Page [insert page number] of [insert total number] page

[Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as specified in Section III, Qualification Criteria and Requirements, Sub-Factor 3.3.]

| Financial Resources | | | |
|---------------------|---------------------|---------------------|-------------------------|
| No. | Source of financing | Amount and Currency | Amount (USD equivalent) |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| | | | |

(This format should be certified by the Statutory Auditor of Bidder / Bidder's Party)

Attached are copies of Financial Resources required above, and complying with the requirements.

Form FIR -2: Current Contract Commitments

[The following table shall be filled in for the Bidder and for each member of a JV]

Date: [insert day, month, year]

Bidder's Legal Name: [insert full name]

Bidder's Party Legal Name: [insert full name]

IFB No. [insert number]

Page [insert page number] of [insert total number] page

[Bidders and each member to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued, in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 3.3.]

| Current Contract Commitments | | | | | |
|------------------------------|------------------|--------------------------------------|--|---------------------------|--|
| No. | Name of Contract | Employer's Contact Address, Tel, Fax | Value of Outstanding Work [Current USD Equivalent] | Estimated Completion Date | Average Monthly Invoicing Over Last Six Months [USD/month] |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| | | | | | |

(This format should be certified by the Statutory Auditor of Bidder / Bidder's Party)

Form EXP - 4.1: General Construction Experience

[The following table shall be filled in for the Bidder and for each member of a JV]

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Bidder's Party Legal Name: *[insert full name]*

IFP No.: *[insert number]*

Page *[insert page number]* of *[insert total number]* pages

[Identify contracts that demonstrate continuous construction work over the past 5 years pursuant to Section III, Qualification Criteria and Requirements, Sub-Factor 4.1. List contracts chronologically, according to their commencement (starting) dates.]

| General Construction Experience | | | |
|--|------------------------|---|---|
| Starting Year | Ending Year | Contract Identification | Role of Bidder |
| <i>[indicate year]</i> | <i>[indicate year]</i> | Contract name: <i>[insert full name]</i> Brief description of the Works performed by the Bidder: <i>[describe Works performed briefly]</i> Amount of contract: <i>[insert amount in currency, mention currency used, exchange rate and USD equivalent*]</i> Name of Employer: <i>[indicate full name]</i> Address: <i>[indicate street/number/town or city/country]</i> | <i>[insert "Prime Contractor (single entity or JV member)" or "Subcontractor" or "Management Contractor"]</i> |
| | | | |
| | | | |
| | | | |

In case of JV, each member shall provide copy (ies) of JV agreement to be specified share and Role of Bidder.

Form EXP - 4.2(a): Specific Construction Experience

[The following table shall be filled in for contracts performed by the Bidder, each member of a JV.]

Date: [insert day, month, year]

Bidder's Legal Name: [insert full name]

Bidder's Party Legal Name: [insert full name]

IFP No.: [insert number]

Page [insert page number] of [insert total number] pages

[Fill out one (1) form per contract.]

| Contract of Similar Size and Nature | | | |
|---|--|---|---|
| Similar Contract No. [insert number] of [insert number of similar contracts required] | Information | | |
| Contract Identification | [insert contract name and Reference ID number, if applicable] | | |
| Award Date | [insert day, month, year, e.g., 15 June, 2015] | | |
| Completion Date | [insert day, month, year, e.g., 03 October, 2017] | | |
| Role in Contract [check the appropriate box] | Prime Contractor | | |
| | Single entity <input type="checkbox"/> | JV member <input type="checkbox"/> | |
| Total Contract Amount | [insert total contract amount and currency(ies)] | USD [insert exchange rate and total contract amount in USD equivalent]* | |
| If member in a JV, specify participation in total Contract amount | [insert a percentage amount] | [insert total contract amount and currency(ies)] | USD [insert exchange rate and total contract amount in USD equivalent]* |
| Employer's Name: | [insert full name] | | |
| Address: | [indicate street / number / town or city / country] | | |
| Telephone/Fax Number: | [insert telephone/fax numbers, including country and city area codes] | | |
| E-mail: | [insert E-mail address, if available] | | |
| Similar Contract No. [insert number] of [insert number of | Information | | |

| | |
|--|--|
| <i>similar contracts required]</i> | |
| Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III: | |
| 1. Physical Size of required works items | <i>[insert physical size of items]</i> |
| 2. Complexity | <i>[insert description of complexity]</i> |
| 3. Methods/Technology | <i>[insert specific aspects of the methods/ technology involved in the contract]</i> |
| 4. Other Characteristics | <i>[insert other characteristics as described in Section VI, Scope of Works]</i> |

Note: In case of JV or Specialist Subcontractor, each member (or Specialist Subcontractor) shall provide copy of JV agreement (or Contract if Specialist Subcontractor) to be specified share and Role of Bidder.

**Form EXP - 4.2(b): Specific Construction Experience
 in Key Activities**

Date: *[insert day, month, year]*

Bidder's Legal Name: *[insert full name]*

Bidder's Party Legal Name: *[insert full name]*

Subcontractor's Legal Name *[insert full name]*

IFP No.: *[insert number]*

Page *[insert page number]* of *[insert total number]* pages

[Fill out one (1) form per contract.]

Key Activity No. (1) _____: *[insert brief description of the Activity, emphasizing its specificity]*

Total Quantity of Activity under the contract: _____

| Contract with Similar Key Activities | | | | |
|---|--|---------------------------------------|--|--------------------------|
| Item | Information | | | |
| Contract Identification | <i>[insert contract name and number, if applicable]</i> | | | |
| Award Date | <i>[insert day, month, year, e.g., 15 June, 2015]</i> | | | |
| Completion Date | <i>[insert day, month, year, e.g., 03 October, 2017]</i> | | | |
| Role in Contract <i>[check the appropriate box]</i> | Prime Contractor | | Management Contractor | Subcontractor |
| | Single entity <input type="checkbox"/> | JV member <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Total Contract Amount | <i>[insert total contract amount in local currency]</i> | | USD <i>[insert Exchange rate and total contract amount in USD equivalent]*</i> | |
| Description of the similarity in accordance with Sub-Factor 4.2(b) (i) to (v) of Section III: | | | | |
| Employer's Name: | <i>[insert full name]</i> | | | |

| | |
|-----------------------|--|
| Address: | <i>[indicate street / number / town or city / country]</i> |
| Telephone/Fax Number: | <i>[insert telephone/fax numbers, including country and city area codes]</i> |
| E-mail: | <i>[insert E-mail address, if available]</i> |

Note: In case of JV or Specialist Subcontractor, all members (or Specialist Subcontractor) shall provide copy(ies) of JV agreement (or Contract if Specialist Subcontractor) to be specified share and Role of Bidder.

2. Activity No. (2) _____

3. Activity No. (3) _____

Form EXP – 5: Format for Experience Certificates

(To be self-attested by the Bidder)

The Contractor should submit the experience certificates from the respective employer (end user) containing the following information:

1. Name of Work
2. Location
3. Scope of Work
4. Capacity
5. Cost of Work
6. Name of Employer
7. Details of Employer (Department, address, telephone number, email id)
8. Duration of Work
9. Scheduled date of start of Work
10. Schedule date of completion of Work
11. Actual date of start of Work
12. Actual date of completion of Work
13. Delay, if any
14. Amount of penalty, if any
15. Present status of Work
16. Performance of Work

Technical Proposal

To establish its Technical Proposal to perform the contract in accordance with Section III, Evaluation and Qualification Criteria, the Bidder shall provide the information requested in the corresponding Forms included hereunder:

Table of Technical Proposal Forms:

- Form TECH-1: Site Organization
- Form TECH-2: Method Statement
- Form TECH-3: Mobilization Schedule
- Form TECH-4: Construction and 'Operation & Maintenance' Schedule
- Form TECH-5: Safety and Environmental Management Plan
- Form TECH-6: Transmission Mains
- Form TECH-7: UGRs and BPSs (Design - Build)
- Form TECH-8: SCADA - Transmission and Distribution System (Design- Build)
- Form TECH-9: Operation and Maintenance
- Form PER -1: Proposed Personnel
- Form PER -2: Resume of Proposed Personnel
- Form EQU: Equipment
- Form PM: Proposed Makes
- Form TP: Schedule of Technical Particulars

Form TECH-1: Site Organization

[The bidder shall submit a detailed plan of Site Organization, including the followings;

- *Organization Chart (should include all key positions).*
- *Authorized person and his responsibilities like Contractual, financial and Technical.*
- *Management / responsibility structure with staff positions.*
- *Site Office structure.*
- *Licenses / permissions for execution of the Works (issued by Authority of origin or equivalent i.. e. issued for previous projects)*
- *Others*

Note: In-adequate contents of such Site Organization plans shall be deemed as “Non-Responsive” at Technical Evaluation.]

Form TECH-2: Method Statement

[The Bidder must demonstrate adequate execution plans (method statement) to achieve completion of all scope of work with certain definite requirements described in the Bidding Documents, including the followings;

- *During Design (Design-Build Portion)*
- *Construction method (including Temporary Works and the Permanent Works);*
- *QA/QC Plan.*
- *Contract management methodology.*
- *Construction schedule, monitoring & control System. Provision of Software and it's output information for control & management purpose.*
- *Others*

Note: Inadequate contents of such execution plans would result in “Non-Responsive” at Technical Evaluation.]

Form TECH-3: Mobilization Schedule

[The bidder shall write –up detailed Mobilization Schedule, including the following;

- *Advance Payment Utilization Plan*
- *Design stage activities including for the ‘Design-build Portion’ namely UGR’s & BPS’s.*
- *Deployment schedule of key staff*
- *Employment schedule for Skilled and non- skilled labour*
- *Deployment schedule and list of plant, equipment and materials,*
- *Schedule of applications and permissions required for the Works,*
- *Others*

Note: Inadequate contents of such execution plans would result in “Non-Responsive” at Technical Evaluation.]

Form TECH-4: Construction and ‘Operation & Maintenance’ Schedule

[The Bidder must submit schedules to achieve completion of all works and breakdown of work items as per requirements described in the Bidding Documents and as under;

- *Detailed Construction Schedule (Bar chart) shall be planned for each works Section 1.A), B), C), D) and E) shown in the ‘Section VIII - Particular Conditions’ and shall have detailed breakdown by the major activities as per the ‘Section VI - Works Requirements’.*
- *Detailed Operation and Maintenance Schedule (Bar chart) shall be planned for each works Section 2.A), B) and C), D) shown in the ‘Section VIII - Particular Conditions’ and shall have detailed breakdown by the major activities according to the ‘Section VI - Works Requirements’. The operation and maintenance schedule during the construction phase shall correspond to the activities of construction schedule.*
- *Table of Milestones shall cover major items like ‘quantities’ and ‘completion dates’*

Note: Inadequate contents of such Construction Schedule would result in “Non-Responsive Bid” at Technical Evaluation.].

Form TECH-5: Safety and Environmental Management Plan

[The Bidder should demonstrate that it has the proposed Safety and Environmental Management Plan that meets the requirements in the 'Section VI - Works Requirements'. The Employer (end user) certificate (s) should be attached which specifies same proposed Plant with successful completion or operation.

Note: Inadequate contents of such execution plans would result in "Non-Responsive Bid" at Technical Evaluation.]

Form TECH-6: Transmission Mains

[The Bidder shall provide adequate information and shall demonstrate clearly that fabrication of MS pipes shall meet the requirements in the 'Section VI - Works Requirements'.

Note: Inadequate contents of such execution plans would result in "Non-Responsive Bid" at Technical Evaluation.]

Form TECH-7: UGRs and BPSs (Design - Build)

[The Bidder shall provide adequate information and shall demonstrate clearly that it has all the arrangements to meet the requirements in the 'Section VI - Works Requirements'.

- *Proposed execution plan and utilization schedule of facilities with details.*
- *Construction/Rehabilitation Methodology for UGR's and BPS's*
- *Proposed list of manufactures/ vendors for major equipment.*
- *Others*

Note: Inadequate contents of such execution plans would result in "Non-Responsive Bid" at Technical Evaluation.]

Form TECH-8: SCADA - Transmission and Distribution System (Design- Build)

[The Bidder shall provide adequate information and give execution plan to demonstrate clearly of his capability to meet the requirements in the 'Section VI - Works Requirements

The following components of work shall be constructed in Design and Build basis.

- 1. SCADA Systems*
- 2. Rehabilitation and/or Construction of UGRs*
- 3. Rehabilitation and/or Construction of Booster Pumping Stations*

The Bidder shall explain on the design philosophies, construction methodologies and main technical features of the product/output to be delivered under the contract.

Note: Inadequate contents of such execution plans would result in "Non-Responsive Bid" at Technical Evaluation.]

Form TECH-9: Operation and Maintenance

[The Bidder shall demonstrate for each of the following periods & activities, the proposed Operation and maintenance plan (including method, system, activities and manpower deployment, repair & maintenance and other benefit to the Employer) that meets the requirements in the 'Section VI - Works Requirements', including followings.

- *Preparatory Period*
- *Physical Operation and Maintenance Period*
 - *existing system,*
 - *during construction, and*
 - *full operation and maintenance.*
- *Booster pumping stations and standby power supply units*
- *UGRs & BPS's*
- *Solar energy system*
- *Primary, secondary and tertiary water network*
- *Local Water Management Centre (LWMC)*
- *Meters & Service connections*
- *Water loss reduction*

Note: Inadequate contents of such execution plans would result in "Non-Responsive Bid" at Technical Evaluation.]

Form PER -1: Proposed Personnel

[insert day, month, year]

Bidder's Legal Name: [insert full name]

IFB No.[insert number]

Page [insert page number] of [insert total number] page

[The Bidder shall provide the names of suitably qualified personnel to meet the specified requirements stated in Section III, Evaluation and Qualification Criteria, Clause 2.2.3]

| | |
|----|--------------------|
| 1. | Title of position* |
| | Name |
| 2. | Title of position* |
| | Name |
| 3. | Title of position* |
| | Name |
| 4. | Title of position* |
| | Name |

*As listed in Section III.

Form PER -2: Resume of Proposed Personnel

[insert day, month, year]

Bidder's Legal Name: [insert full name]

Joint Venture Party Legal Name:[insert full name]

IFB No.[insert number]

Page [insert page number] of [insert total number] page

[The Bidder shall provide the data on the experience of the personnel indicated in Form PER-1, in the form below:]

| | | |
|------------------------------|------------------------------------|--|
| Name of Bidder | | |
| Position | | |
| Personnel information | Name | Date of birth |
| | Professional qualifications | |
| Present employment | Name of employer | |
| | Address of employer | |
| | Telephone | Contact (manager / personnel officer) |
| | Fax | E-mail |
| | Job title | Years with present employer |

[Summarize professional experience, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.]

| From | To | Company / Project / Position / Relevant technical and management experience* |
|-------------|-----------|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

*Relevant technical and management experience should be as detailed to verify for adequate experience relating proposed position. Inadequate contents of such experience would result in “Non-Responsive” at Technical Evaluation.

Form EQU: Equipment

[insert day, month, year]

Bidder's Legal Name: *[insert full name]*

Joint Venture Party Legal Name: *[insert full name]*

IFB No. *[insert number]*

Page *[insert page number]* of *[insert total number]* page

[The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III, Evaluation and Qualification Criteria, Clause 2.2.4. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder. Bidder should provide a written assurance by owner that each item of equipment will be in time at site.]

| | | |
|------------------------------|---|-------------------------------|
| Item of equipment | | |
| Equipment information | Name of manufacturer | Model and power rating |
| | Capacity | Year of manufacture |
| Current status | Current location | |
| | Details of current commitments | |
| Source | Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured | |

Omit the following information for equipment owned by the Bidder.

| | | |
|-------------------|---|-------------------------------|
| Owner | Name of owner | |
| | Address of owner | |
| | Telephone | Contact name and title |
| | Fax | Telex |
| Agreements | Details of rental / lease / manufacture agreements specific to the project | |
| | | |
| | | |

Form PM: Proposed Makes

The Bidders shall provide a list of three alternative Makes (Manufacturers/ Suppliers) from whom he intends to source the materials, plant and equipment. During the contract execution, the Employer may choose anyone which meets X, Y and Z criteria of Clause 1.3.2 of Sub-Section 1 of Vol-III and inform the Bidder to source the materials from the same.

| S. No | Name of Item | List of Make offered by Bidder |
|--------------|-------------------------|---------------------------------------|
| 1. | Motors | i) ii) iii) |
| 2. | Centrifugal Pumps | i) ii) iii) |
| 3. | Sluice Valves | i) ii) iii) |
| 4. | Non-return valves | i) ii) iii) |
| 5. | Butterfly Valves | i) ii) iii) |
| 6. | Pipes (Mild Steel) | i) ii) iii) |
| 7. | Pipes (Ductile Iron) | i) ii) iii) |
| 8. | Pipes (All other pipes) | i) ii) iii) |
| 9. | EOT/Cranes | i) ii) iii) |

| | | |
|-----|-----------------------------|-------------------|
| 10. | Electro Chlorinator | i) ii) iii) |
| 11. | Gates | i) ii) iii) |
| 12. | 11 KV Switchgear Panel | i) ii) iii) |
| 13. | Power Transformers | i) ii) iii) |
| 14. | 415V Switchgear Panel | i) ii) iii) |
| 15. | Compact Sub Station | i) ii) iii) |
| 16. | Electrical Actuators | i) ii) iii) |
| 17. | Battery and Battery Charger | i) ii) iii) |
| 18. | Variable Frequency Drive | i) ii) iii) |
| 19. | Solar Panel | i) ii) iii) |
| 20. | Solar Inverter | i) ii) iii) |
| 21. | PLC Panel | i) |

| | | |
|-----|-------------------------------|-------------------|
| | | ii) iii) |
| 22. | Electro Magnetic Flowmeter | i) ii) iii) |
| 23. | Customer Water Meter | i) ii) iii) |

NOTE:

- i) The Bidder shall recommend at least three makes of each item which are qualifying as per Sub-Clause 1.3.2 in Part B: General Requirements of Section VI Works Requirement in Volume III, otherwise offer may be treated as non-responsive.
- ii) All balance items of the contract/order shall be got approved during detailed Engineering.

Form TP: Schedule of Technical Particulars

(To be filled in by the Bidders)

PREAMBLE TO TECHNICAL PARTICULARS:

1. Particulars called for in this Schedule shall be fully completed by the Contractor at the time of tendering.
2. Manufacturer's literature shall be submitted with the Tender, giving full specifications of equipment offered. Where further details of the Contractor's proposals are submitted in any document accompanying the Tender, such details shall comply with the Specification.
3. Particulars entered by the Contractor in the Schedules shall form a binding part of the Contract and shall not be altered without the approval of the Engineer.
4. The Engineer may at any time during the progress of the Contract require the Contractor to provide extra details of any part of the Works, and the Contractor shall forthwith provide such details when requested by the Engineer in writing.
5. Entries shall be deemed to refer to the specified Works unless explicitly stated otherwise. Any particulars covering other options or alternative proposals shall be entered in similar details either in the places provided in the Schedules or on a clearly labelled separate sheet(s) of paper appended to the Schedules.
6. Inadequate contents of each Form may result in "Non-Responsive Bid" at Technical Evaluation.

A. Technical Particulars : Instrumentation Works

| S. No. | Description | Unit | Particulars |
|---------------|---|-------------|--------------------|
| 1 | Electro- Magnetic Flow Meter | | |
| 1.1 | Make | | |
| 1.2 | Type | | |
| 1.3 | Maximum Operating Pressure & Temperature | | |
| 1.4 | Reference Standards | | |
| 1.5 | Material of Construction | | |
| 1.5.1 | Electrodes | | |
| 1.5.2 | Flanges | | |
| 1.5.3 | Meter Tube lining | | |
| 1.6 | Accuracy of flow measurement | | |
| 1.7 | Degree Of Protection | | |
| 1.8 | Flow Transmitter Type | | |
| 1.9 | Data Retention Time during power failure in Flow Transmitter EEPROM | | |
| 2 | Instrument Cables | | |
| 2.1 | Make | | |
| 2.2 | Ref. Standard | | |
| 3 | Consumer/Domestic Water Meters | | |
| 3.1 | Make | | |
| 3.2 | Type | | |
| 3.3 | Reference Standards | | |
| 3.4 | MOC | | |
| 3.5 | Accuracy and Maximum Scale | | |
| 3.6 | Display | | |
| 3.7 | Degree Of Protection | | |
| 3.8 | Operating Pressure & temperature | | |
| 4 | Conductivity Type Level Switches | | |

| S. No. | Description | Unit | Particulars |
|---------------|--|-------------|--------------------|
| 4.1 | Make | | |
| 4.2 | Type | | |
| 4.3 | Reference Standards | | |
| 4.4 | MOC | | |
| 4.5 | Accuracy | | |
| 4.6 | Degree Of Protection | | |
| 5 | Ultrasonic type Level Transmitter | | |
| 5.1 | Make | | |
| 5.2 | Type | | |
| 5.3 | Reference Standards | | |
| 5.4 | MOC | | |
| 5.5 | Accuracy | | |
| 5.6 | Degree Of Protection | | |
| 6 | Pressure Transmitter | | |
| 6.1 | Make | | |
| 6.2 | Type | | |
| 6.3 | Reference Standards | | |
| 6.4 | MOC | | |
| 6.5 | Accuracy | | |
| 6.6 | Degree Of Protection | | |
| 6.7 | Operating Pressure & Temperature | | |
| 7 | Pressure Switches | | |
| 7.1 | Make | | |
| 7.2 | Reference Standards | | |
| 7.3 | MOC | | |

| S. No. | Description | Unit | Particulars |
|---------------|---|-------------|--------------------|
| 7.4 | Accuracy | | |
| 7.5 | Degree Of Protection | | |
| 8 | On-line Residual Chlorine Analyzer | | |
| 8.1 | Make | | |
| 8.2 | Model No./Type | | |
| 8.3 | Reference Standards | | |
| 8.4 | Accuracy | | |
| 8.5 | Degree Of Protection | | |
| 9 | On-line Turbidity Analyzer | | |
| 9.1 | Make | | |
| 9.2 | Type | | |
| 9.3 | Reference Standards | | |
| 9.4 | Accuracy | | |
| 9.5 | Degree Of Protection | | |

B. Technical Particulars : SCADA Works

| S. No. | Description | Unit | Particulars |
|---------------|--|-------------|--------------------|
| 1. | Zonal SCADA Centre Hardware | | |
| 1.1 | Redundant Server-Router system | | |
| 1.1.1 | Manufacturer | | |
| 1.1.2 | Processor Type, speed | | |
| 1.1.3 | RAM capacity, type | | |
| 1.1.4 | Hard disk capacity, type | | |
| 1.1.5 | Operating system | | |
| 1.2 | Redundant Data Storage System | | |
| 1.2.1 | Manufacturer | | |
| 1.2.2 | Data Storage type | | |
| 1.2.3 | Make, type and capacity of additional removable hard disk storages | | |
| 1.3 | Web-Server | | |
| 1.3.1 | Manufacturer | | |
| 1.3.2 | Processor Type, speed | | |
| 1.3.3 | RAM capacity, type | | |
| 1.4 | Workstation | | |
| 1.4.1 | Manufacturer | | |
| 1.4.2 | Processor Type, speed | | |
| 1.4.3 | RAM capacity, type | | |
| 1.4.4 | Hard disk capacity, type | | |
| 1.4.5 | Screen dimension; viewing angle; resolution | | |
| 1.4.6 | Operating system | | |

| S. No. | Description | Unit | Particulars |
|---------------|---|-------------|--------------------|
| 1.5 | Programmer notebook | | |
| 1.5.1 | Manufacturer | | |
| 1.5.2 | Processor Type, speed | | |
| 1.5.3 | RAM capacity, type | | |
| 1.5.4 | Hard disk capacity, type | | |
| 1.5.5 | Screen dimension; resolution; viewing angle | | |
| 1.5.6 | Operating system | | |
| 2 | Automation and SCADA Software | | |
| 2.1 | SCADA Software | | |
| 2.1.1 | Manufacturer | | |
| 2.1.2 | SCADA Software | | |
| 2.2 | Application Software | | |
| 2.2.1 | Water Demand and Forecasting | | |
| 2.2.2 | Water Leakage Management | | |
| 2.2.3 | Water Distribution and Pressure Management Software | | |
| 2.2.4 | Energy Management | | |
| 3 | Dual Data & Voice Transmission | | |
| 3.1 | Type | | |
| 3.2 | Make | | |
| 3.3 | Speed; bandwidth; single or multi- mode | | |
| 3.4 | Power Supply | | |
| 4 | RTU Stations | | |
| 4.1 | RTU | | |

| S. No. | Description | Unit | Particulars |
|---------------|---|-------------|--------------------|
| 4.1.1 | Manufacturer | | |
| 4.1.2 | Degree Of Protection | | |
| 4.1.3 | CPU type; speed | | |
| 4.1.4 | RAM | | |
| 4.1.5 | RTU Software | | |
| 4.1.6 | Interfaces | | |
| 4.2 | PLC | | |
| 4.2.1 | Manufacturer | | |
| 4.2.2 | RAM | | |
| 4.2.3 | Peripherals make & type | | |
| 4.2.4 | Software | | |
| 4.3 | UPS | | |
| 4.3.1 | Manufacturer | | |
| 4.3.2 | Battery manufacturer, type, voltage | | |
| 4.3.3 | Duration of battery support at rated load | | |
| 4.3.4 | Full charging time | | |

C. Technical Particulars : Electrical Works

| Sr. No. | Description | Unit | Particulars |
|----------|--|---------|--------------|
| | | | Cantt. Palam |
| 1 | HV Switchboard | | |
| 1.1 | Type of Switchgear | | |
| 1.2 | Rated voltage, frequency with variation. | kV/-/Hz | |
| 1.3 | Material of Busbar | | |
| 1.4 | Maximum System Voltage | kV | |
| 1.5 | Fault Level | | |
| 1.6 | One Minute Power Frequency Withstand Voltage | kV rms | |
| 1.7 | Degree of Protection | | |
| 1.8 | Standard | | |
| 1.9 | Make/ Name of Manufacturer | | |
| | Circuit Breaker | | |
| 1.10 | Type | | |
| 1.11 | Rated Voltage | V | |
| 1.12 | Auxiliary Control voltage | V | |
| 1.13 | Rated Current at ambient temp. | A | |
| 1.14 | Rated Breaking Current | kA rms | |
| 1.15 | Rated Making Current | kA peak | |
| 1.16 | Rated Operation Duty | Cycle | |
| 1.17 | Make/ Name of Manufacturer | | |

| Sr. No. | Description | Unit | Particulars |
|----------|---|--------|--------------|
| | | | Cantt. Palam |
| 2 | Transformer | | |
| 2.1 | Type and Star Rating | | |
| 2.2 | Full Load Rating | MVA | |
| 2.3 | Rated No Load Voltage (HV/LV) | kV | |
| 2.4 | Quantity | Nos. | |
| 2.5 | Vector Group | | |
| 2.6 | Degree Of Protection | | |
| 2.7 | Insulation Class | | |
| 2.8 | Type of Tap Changer, Steps | | |
| 2.9 | No load loss at rated voltage and frequency | Watt | |
| 2.10 | Full load loss at Principle tapping corrected to 75°C | Watt | |
| 2.11 | Impedance voltage | % | |
| 2.12 | Efficiency at rated voltage, frequency and full load and at: (i) Unity power factor (ii) 0.8 p.f. lagging | % % | |
| 2.13 | Standard | | |
| 2.14 | Make/ Name of Manufacturer | | |

| Sr. No. | Description | Unit | Particulars |
|------------|-------------------------------------|------|-----------------------|
| | | | Idgah Pumping Station |
| 3 | Compact Sub Station | | |
| 3.1 | Rating | KVA | |
| 3.2 | Quantity | Nos. | |
| 3.3 | Fault Level | kA | |
| 3.4 | Current (HV /LV) | A | |
| 3.5 | Type of HT Breaker | | |
| 3.6 | Type of Transformer | | |
| 3.7 | Transformer Ratio (HV/LV) | | |
| 3.8 | Vector Group | | |
| 3.9 | Type of Tap Changer and Steps | | |
| 3.10 | Class of Insulation | | |
| 3.11 | Type Of LV Switchgear (ACB / MCCB) | | |
| 3.12 | Type of Cooling of Transformer | | |
| 3.13 | Star Rating of Transformer | | |
| 3.14 | Degree Of Protection of CSS | | |
| 3.15 | Material Of Busbar | | |
| 3.16 | Make/ Name of Manufacturer | | |

| Sr. No. | Description | Unit | Ramjas | | Hindurao | | Idgah | | Ridge Road | | Cant Palam | |
|----------|---|------|--------|---------|----------|---------|-------|---------|------------|---------|------------|---------|
| | | | Main | Trimmer | Main | Trimmer | Main | Trimmer | Main | Trimmer | Main | Trimmer |
| 4 | Motors | | | | | | | | | | | |
| 4.1 | Type (TEFC /CACA) | | | | | | | | | | | |
| 4.2 | Rating | kW | | | | | | | | | | |
| 4.3 | Synchronous Speed | rpm | | | | | | | | | | |
| 4.4 | Method of Starting | | | | | | | | | | | |
| 4.5 | Starting Current | | | | | | | | | | | |
| 4.6 | Full load Current | | | | | | | | | | | |
| 4.7 | Class of Insulation | | | | | | | | | | | |
| 4.8 | Efficiency Class | | | | | | | | | | | |
| 4.9 | Number of starts permissible (hot/cold) | | | | | | | | | | | |
| 4.10 | Maximum noise level at 1 Mtr. | dBA | | | | | | | | | | |

| Sr. No. | Description | Unit | Particulars | | | | |
|----------|---|---------|-------------|-------|----------|------------|--------|
| | | | Cant Palam | Idgah | Hindurao | Ridge Road | Ramjas |
| 5 | Motor Control Switch Board Panel | | | | | | |
| 5.1 | Type | | | | | | |
| 5.2 | Rated voltage and frequency with variation. | kV/-/Hz | | | | | |
| 5.3 | Material of Busbar | | | | | | |
| 5.4 | Degree Of Protection | | | | | | |
| 5.5 | Fault Level | | | | | | |
| 5.6 | Make/ Name of Manufacturer | | | | | | |
| | Circuit Breaker (Incomer) | | | | | | |
| 5.7 | Type | | | | | | |
| 5.8 | Rated Voltage | V | | | | | |
| 5.9 | Auxiliary Control voltage | V | | | | | |
| 5.10 | Make/ Name of Manufacturer | | | | | | |
| | Motor Feeder | | | | | | |
| 5.11 | Quantity | | | | | | |
| 5.12 | Rated voltage | V | | | | | |
| 5.13 | Type of Starter | | | | | | |
| 5.14 | Make/ Name of Manufacturer | | | | | | |

| Sr. No. | Description | Unit | Particulars |
|----------|---|--------|-------------|
| | | | Cant Palam |
| 6 | Battery and Battery Charger | | |
| 6.1 | Battery type | | |
| 6.2 | End Cell Voltage | V | |
| 6.3 | Nominal Voltage | V | |
| 6.4 | Battery Charging time | | |
| 6.5 | Expected life in Year | | |
| 6.6 | Make/ Name of Manufacturer | | |
| | Battery Charger | | |
| 6.7 | Maximum charging current: (i) Float charging (ii) Boost charging | A A | |
| 6.8 | Voltage regulation | % | |
| 6.9 | Charger efficiency and power factor at: (i) Rated load (ii) 50% load | % % | |
| 6.10 | Ripple Content at rated load: (i) with battery connected (ii) without battery connected | % | |
| 6.11 | Make/ Name of Manufacturer | | |

| Sr. No. | Description | Unit | Particulars | | | | |
|----------|----------------------------------|------------|-------------|-------|----------|------------|--------|
| | | | Cant Palam | Idgah | Hindurao | Ridge Road | Ramjas |
| 7 | Variable Frequency Drive | | | | | | |
| 7.1 | Type | | | | | | |
| 7.2 | Rated voltage | | | | | | |
| 7.3 | Degree Of Protection | | | | | | |
| 7.4 | Standard | | | | | | |
| 7.5 | Make/ Name of Manufacturer | | | | | | |
| 8 | Solar System | | | | | | |
| 8.1 | Solar System Rating | KWp | | | | | |
| 8.2 | Type of Solar Cells | | | | | | |
| 8.3 | Type of Inverter | | | | | | |
| 8.4 | Input Voltage of Inverter | | | | | | |
| 8.5 | Output Voltage of Inverter | | | | | | |
| 8.6 | Standard | | | | | | |
| 8.7 | Make of Solar Panel and Inverter | | | | | | |
| 9 | D G Set | | | | | | |
| 9.1 | Rating | kVA | | | | | |
| 9.2 | Rated voltage | V | | | | | |
| 9.3 | Current | A | | | | | |
| | Engine | | | | | | |

| Sr. No. | Description | Unit | Particulars | | | | |
|---------|------------------------|-------|-------------|-------|----------|------------|--------|
| | | | Cant Palam | Idgah | Hindurao | Ridge Road | Ramjas |
| 9.4 | Make | | | | | | |
| 9.5 | Cooling | | | | | | |
| 9.6 | Stroke | mm | | | | | |
| 9.7 | No.Of Cycles | | | | | | |
| 9.8 | Total Coolant Capacity | Ltrs. | | | | | |
| | Alternator | | | | | | |
| 9.9 | Voltage | V | | | | | |
| 9.10 | RPM | | | | | | |
| 9.11 | Enclosure | | | | | | |
| | Battery | | | | | | |
| 9.12 | Type of Battery | | | | | | |
| 9.13 | Rating | AH | | | | | |

D. Technical Particulars : Mechanical Works

| Sr. No. | Description | Unit | Technical Data |
|-------------------------------------|--|---------|----------------|
| 1. Butterfly Valve-Motorized | | | |
| 1.1 | Valve Make | | |
| 1.2 | Valve Rating | bar | |
| 1.3 | Actuator Make | | |
| 1.4 | Actuator Type | | |
| 1.5 | Motor Rating | kW | |
| 1.6 | Design Torque | kg-m | |
| 1.7 | Time for full open to full close | minutes | |
| 1.8 | Time for full close to full open | minutes | |
| 2. Non Return Valve | | | |
| 2.1 | Make | | |
| 2.2 | Type | | |
| 2.3 | Rating | bar | |
| 2.4 | Non-Slam Characteristics | | |
| 2.5 | Method of Achieving non slam characteristics | | |
| 3. Sluice Valve - Motorized | | | |

| Sr. No. | Description | Unit | Technical Data |
|---|----------------------------------|---------|----------------|
| 3.1 | Valve Make | | |
| 3.2 | Valve Type | | |
| 3.3 | Valve Rating | bar | |
| 3.4 | Actuator Make | | |
| 3.5 | Actuator Type | | |
| 3.6 | Motor Rating | kW | |
| 3.7 | Design Torque | kg-m | |
| 3.8 | Time for full open to full close | minutes | |
| 3.9 | Time for full close to full open | minutes | |
| 4. Electro – Chlorination System { Required at Jhandewalan and Cantt Palam UGRs only.} | | | |
| 4.1 | Make | | |
| 4.2 | Capacity | kg/hr | |
| 4.3 | Dosage | ppm | |
| 4.4 | Power Consumption | kW | |

| Sr. No. | Description | Unit | Ramjas | | Hindurao | | Idgah | | Ridge Road | | Cantt Palam | |
|------------|---------------------------|--------------------|--------|---------|----------|---------|-------|---------|------------|---------|-------------|---------|
| | | | Main | Trimmer | Main | Trimmer | Main | Trimmer | Main | Trimmer | Main | Trimmer |
| 5 . | Pumps VFD Operated | | | | | | | | | | | |
| 5.1 | General | | | | | | | | | | | |
| 5.1.1 | Make | | | | | | | | | | | |
| 5.1.2 | Model | | | | | | | | | | | |
| 5.1.3 | Type | | | | | | | | | | | |
| 5.2 | Performance | | | | | | | | | | | |
| 5.2.1 | Pump Capacity | m ³ /hr | | | | | | | | | | |
| 5.2.2 | Rated Head | m | | | | | | | | | | |
| 5.2.3 | Quantity (W + S) | Nos. | | | | | | | | | | |
| 5.2.4 | WHP | kW | | | | | | | | | | |
| 5.2.5 | Efficiency at rated point | % | | | | | | | | | | |
| 5.2.5 | Motor Rated Power | kW | | | | | | | | | | |
| 5.2.6 | Shut Off Head | m | | | | | | | | | | |
| 5.2.7 | Speed | rpm | | | | | | | | | | |
| 5.3 | NPSHrequired | | | | | | | | | | | |
| 5.3.1 | At rated point | m | | | | | | | | | | |

| Sr. No. | Description | Unit | Ramjas | | Hindurao | | Idgah | | Ridge Road | | Cantt Palam | |
|------------|--------------------------------|-----------|--------|---------|----------|---------|-------|---------|------------|---------|-------------|---------|
| | | | Main | Trimmer | Main | Trimmer | Main | Trimmer | Main | Trimmer | Main | Trimmer |
| 5.3.2 | Run out point | m | | | | | | | | | | |
| 5.3.3 | Suction / discharge size | mm/m m | | | | | | | | | | |
| 5.4 | Performance of Pump set | | | | | | | | | | | |
| 5.4.1 | Maximum velocity of vibration | mm/sec | | | | | | | | | | |
| 5.4.2 | Maximum noise level | dBa | | | | | | | | | | |
| 5.5 | Weight | kg | | | | | | | | | | |

| S.No. | Description | Unit | Ramjas | Hindurao | Idgah | Cant Palam | Ridge Road |
|---------------------------|-------------------------|--------|--------|----------|-------|------------|------------|
| 6. EOT Crane/Hoist | | | | | | | |
| 6.1 | General | | | | | | |
| 6.1.1 | Quantity | Nos. | | | | | |
| 6.1.2 | Make | | | | | | |
| 6.1.3 | Type and Class of crane | | | | | | |
| 6.1.4 | Manufacture Standard | | | | | | |
| 6.1.5 | Lifting capacity | tonnes | | | | | |

| S.No. | Description | Unit | Ramjas | Hindurao | Idgah | Cant Palam | Ridge Road |
|--|--|---------------------|--------|----------|-------|------------|------------|
| 6.1.6 | Centre to centre of crane rails (Span) | metres | | | | | |
| 6.2 | Operating speed (loaded) | | | | | | |
| 6.2.1 | Hoisting (Main & Aux.) | m/min | | | | | |
| 6.2.2 | Long Travel | m/min | | | | | |
| 6.2.3 | Cross Travel | m/min | | | | | |
| 7. Ventilation and Exhaust System | | | | | | | |
| 7.1 | Make | | | | | | |
| 7.2 | Type and model number | | | | | | |
| 7.3 | Capacity | m ³ /min | | | | | |
| 7.4 | Nos. required | Nos. | | | | | |
| 7.5 | Room temperature | Deg. C | | | | | |

| Sr. No. | Size | Ramjas | Hindurao | Idgah | Cant Palam | Ridge Road | Flagstaff | Jeetgarh | Hasanpur | Taalkatora |
|---|------|--------|----------|-------|------------|------------|-----------|----------|----------|------------|
| 8. BOQ for Motorized - Butterfly Valve | | | | | | | | | | |
| 8.1 | 400 | | | | | | | | | |
| 8.2 | 450 | | | | | | | | | |
| 8.3 | 500 | | | | | | | | | |
| 8.4 | 600 | | | | | | | | | |
| 8.5 | 700 | | | | | | | | | |
| 8.6 | 800 | | | | | | | | | |
| 8.7 | 900 | | | | | | | | | |
| 8.8 | 1000 | | | | | | | | | |
| 8.9 | 1100 | | | | | | | | | |
| 8.10 | 1200 | | | | | | | | | |
| 8.11 | 1400 | | | | | | | | | |
| 9. BOQ for Non-Return Valve | | | | | | | | | | |
| 9.1 | 100 | | | | | | | | | |
| 9.2 | 150 | | | | | | | | | |
| 9.3 | 200 | | | | | | | | | |
| 9.4 | 250 | | | | | | | | | |
| 9.5 | 300 | | | | | | | | | |
| 9.6 | 350 | | | | | | | | | |
| 9.7 | 400 | | | | | | | | | |
| 9.8 | 450 | | | | | | | | | |
| 9.9 | 500 | | | | | | | | | |
| 9.10 | 600 | | | | | | | | | |

| Sr. No. | Size | Ramjas | Hindurao | Idgah | Cant Palam | Ridge Road | Flagstaff | Jeetgarh | Hasanpur | Taalkatora |
|---|------|--------|----------|-------|------------|------------|-----------|----------|----------|------------|
| 9.11 | 700 | | | | | | | | | |
| 9.12 | 800 | | | | | | | | | |
| 10. BOQ For Motorized – Sluice Valve | | | | | | | | | | |
| 10.1 | 100 | | | | | | | | | |
| 10.2 | 150 | | | | | | | | | |
| 10.3 | 200 | | | | | | | | | |
| 10.4 | 250 | | | | | | | | | |
| 10.5 | 300 | | | | | | | | | |
| 10.6 | 350 | | | | | | | | | |
| 10.7 | 400 | | | | | | | | | |
| 10.8 | 450 | | | | | | | | | |
| 10.9 | 500 | | | | | | | | | |
| 10.10 | 600 | | | | | | | | | |
| 10.11 | 700 | | | | | | | | | |
| 10.12 | 800 | | | | | | | | | |

Form ACK: Acknowledgement of Compliance with Guidelines for Procurement under Japanese ODA Loans

A) I, [insert name and position of authorized signatory], being duly authorized by [insert name of Bidder/members of joint venture (“JV”)] (hereinafter referred to as the “Bidder”) to execute this Acknowledgement of Compliance with Guidelines for Procurement under Japanese ODA Loans, hereby certify on behalf of the Bidder and myself that all information provided in the Bid submitted by the Bidder for Loan Agreement No. ID-P 225 Delhi Water Supply Improvement Project in Chandrawal WTP Command Area is true, correct and accurate to the best of the Bidder’s and my knowledge and belief. I further certify, on behalf of the Bidder, that:

- (i) the Bid has been prepared and submitted in full compliance with the terms and conditions set forth in the Guidelines for Procurement under Japanese ODA Loans (hereinafter referred to as the “Guidelines”); and
- (ii) the Bidder has not, directly or indirectly, taken any action which is or constitutes a corrupt, fraudulent, collusive or coercive act or practice in violation of the Guidelines and is not subject to any conflict of interest as stipulated in the relevant section of the Guidelines.

<If debarment for more than one year by the World Bank Group is NOT imposed, use the following sentence B).>

B) I certify that the Bidder has NOT been debarred by the World Bank Group for more than one year since the issuance of Invitation for Bids.

<If debarment for more than one year by the World Bank Group has been imposed BUT three (3) years have passed since the date of such debarment decision, use the following sentence B’).>

B’) I certify that the Bidder has been debarred by the World Bank Group for a period more than one year BUT that on the date of issuance of Invitation for Bids at least three (3) years had passed since the date of such debarment decision. Details of the debarment are as follows:

| Name of the debarred firm | Starting date of debarment | Ending date of debarment | Reason for debarment |
|---------------------------|----------------------------|--------------------------|----------------------|
| | | | |

- C) I certify that the Bidder will not enter into a subcontract with a firm which has been debarred by the World Bank Group for a period more than one year, unless on the date of the subcontract at least three (3) years have passed since the date of such debarment decision.
- D) I certify, on behalf of the Bidder, that if selected to undertake services in connection with the contract, the Bidder shall carry out such services in continuing compliance with the terms and conditions of the Guidelines.
- E) I further certify, on behalf of the Bidder, that if the Bidder is requested, directly or indirectly, to engage in any corrupt or fraudulent action under any applicable law, such as the payment of a rebate, at any time during a process of public procurement, negotiations, execution or implementation of contract (including amendment thereof), the Bidder shall report all relevant facts regarding such request to the relevant section in JICA (details of which are specified below) in a timely manner.

JICA's information desk on fraud and corruption (A report can be made to either of the offices identified below.)

(1) JICA Headquarters: Legal Affairs Division, General Affairs Department

URL: <https://www2.jica.go.jp/en/odainfo/index.php>

Tel: +81 (0)3 5226 8850

(2) JICA India office

Tel: (91-11) 4768-5500 (91-11) 2371-4362/4363

Fax: (91-11) 4768-5555

The Bidder acknowledges and agrees that the reporting obligation stated above shall NOT in any way affect the Bidder's responsibilities, obligations or rights, under relevant laws, regulations, contracts, guidelines or otherwise, to disclose or report such request or other information to any other person(s) or to take any other action, required to or allowed to, be taken by the Bidder. The Bidder further acknowledges and agrees that JICA is not involved in or responsible for the procurement process in any way.

- F) If any of the statements made herein is subsequently proven to be untrue or incorrect based on facts subsequently determined, or if any of the warranties or covenants made herein is not complied with, the Bidder will accept, comply with, and not object to any remedies taken by the Employer and any sanctions imposed by or actions taken by JICA.

Authorized Signatory

[Insert name of signatory; title]

For and on behalf of *[Insert name of the Bidder]*

Date:

Form – 6: Format for Affidavit

AFFIDAVIT
(To be filled by the bidder)

Date:
From,
(Contractor's Detail)

To,
Delhi Jal Board (Govt. of NCT of Delhi),
Varunalya Phase-II, Karol Bagh,
New Delhi – 110005

Contract: Improvement of Water Supply System by Construction / Rehabilitation / Replacement, Supply, Laying, Installation, Testing, Commissioning of Transmission and Distribution Pipes with Appurtenances, Pumping Stations, UGRs, Service Connections and Consumer Meters, SCADA system, along with DMA formation and NRW Reduction in a Project Construction Period of 5-years and 4.5 -years O&M during construction period plus 5-years O&M after Construction to achieve the equitable and continuous (24 hours & 7 days/week) water distribution in the Chandrawal WTP Command Area. (Package 3 : Central Zone)

Dear Sirs,

I/We have annexed to this Bid the following documents:

- (i) Original Power of Attorney or other proof of authority of the person who has signed the Bid or Copy of Power of Attorney or other authority.
- (ii) Audited Balance sheet of the Bidder for the last 5 (Five) years.
- (iii) Letter of award and completion certificates for the eligible projects
- (iv) Documents as per the eligibility criteria
- (v) Any additional documents as listed below:

.....
I/We hereby undertake that the statements made in the bid and the information given in Annexure referred to above are true in all respects and that in the event of any such statement or information being found to be incorrect in any particular, the same may be construed to be a misrepresentation entitling Delhi Jal Board to cancel the bid or terminate any resultant Contract.

I/We do hereby declare that I/We have not suffered bankruptcy/ insolvency during the last 3 financial years from the date of submission of bid. We are not in a financial restructuring process under the Corporate Debt Restructuring (CDR) at submission of Bids. In case of any is found during bids evaluation and award of contract, I/ We have no objection if my /our tender is rejected.

Delhi Jal Board

Tenderer

I/We undertake that we have no conflict of interest as specified in the bidding documents for the above Contract and that if found otherwise, Delhi Jal Board can take all requisite measures, including but not limited to cancellation of bid or terminate any resultant Contract, as per provisions of Contract.

I/We further undertake as and when called upon by Delhi Jal Board to produce for its inspection, original(s) of the documents(s) of which copies have been annexed hereto.

Yours faithfully,

(Signature(s) of the Bidders(s))

Name & Designation of authorized person signing the Bid on behalf of the Bidder(s) Full Name and address of the Bidder(s)

Form of Bid Security (Bank Guarantee)

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: The Chief Engineer (Water) Projects
Delhi Jal Board, Govt of NCT of Delhi, (DJB)
Varunalaya Phase I, Karol Bagh, New Delhi 110005 India

IFB No.: NIT NO. **XX**(2018-19) EE (Project) W-II

Date: [Insert date of issue]

BID GUARANTEE No.: [Insert guarantee reference number]

Guarantor: [Insert name and address of place of issue, unless indicated in the letterhead]

We have been informed that [insert name of the Bidder, which in the case of a joint venture shall be the name of the joint venture (whether legally constituted or prospective) or the names of all members thereof] (hereinafter called "the Bidder") has submitted or will submit to the Beneficiary its Bid (hereinafter called "the Bid") for the execution of **“Improvement of Water Supply System by Construction / Rehabilitation / Replacement, Supply, Laying, Installation, Testing, Commissioning of Transmission and Distribution Pipes with Appurtenances, Pumping Stations, UGRs, Service Connections and Consumer Meters, SCADA system, along with DMA formation and NRW Reduction in a Project Construction Period of 5-years and 4.5 -years O&M during construction period plus 5-years O&M after Construction to achieve the equitable and continuous (24 hours & 7 days/week) water distribution in the Chandrawal WTP Command Area. (Package 3 : Central Zone)”** under the Loan Agreement No. ID-P225.

Furthermore, we understand that, according to the Beneficiary’s conditions, Bids must be supported by a bid guarantee.

At the request of the Bidder, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of [insert amount in words] ([insert amount in figures]) upon receipt by us of the Beneficiary’s complying demand, supported by the Beneficiary’s statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Bidder:

- (a) has withdrawn its Bid during the period of bid validity set forth in the Bidder’s Letter of Bid (“the Bid Validity Period”), or any extension thereto provided by the Bidder; or
- (b) has been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period or any extension thereto provided by the Bidder, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the Performance Security, in accordance with the Instructions to Bidders of the Beneficiary’s bidding documents.

This guarantee will expire and shall be returned: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract agreement signed by the Bidder and the Performance Security issued to the Beneficiary in relation to such contract agreement; or (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Bidder of the results of the bidding process; or (ii) twenty-eight days after the end of the Bid Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.

[signature(s)]

[Note: All italicized text is for use in preparing this form and shall be deleted from the final product.]

Section V : Eligible Source Countries of Japanese ODA Loans (ESC)

The Eligible Source Country (ies) for procurement of all goods and services to be financed out of the proceeds of the Loan are all countries and area.