

## **QUALIFICATION REQUIREMENT OF BIDDER FOR SUPPLY, ERECTION, TESTING AND COMMISSIONING OF 400 kV AIS SUBSTATION**

Qualification of bidder will be based on meeting the minimum pass/fail criteria specified in Part-A below regarding the Bidder's technical experience and financial position as demonstrated by the Bidder's responses in the corresponding Bid Schedules. The bidder shall also be required to furnish the information specified in Part-B in their bid.

Technical experience and financial resource of any sub-contractor/ subsidiary/ associate group or company shall not be taken into account in determining the Bidder's compliance with the qualifying criteria. The bid can be submitted by an individual firm or a Joint Venture of not more than two firms (Specific requirements for Joint Ventures are given under Clause 1.3 below).

The Owner may assess the capacity and capability of the bidder, to successfully execute the scope of work covered under the package within stipulated completion period. This assessment shall inter-alia include (i) document verification; (ii) bidders work/manufacturing facilities visit; (iii) manufacturing capacity, details of works executed, works in hand, anticipated in future & the balance capacity available for the present scope of work; (iv) details of plant and machinery, manufacturing and testing facilities, manpower and financial resources; (v) details of quality systems in place; (vi) past experience and performance; (vii) customer feedback; (viii) banker's feedback etc.

### **1.0 PART-A**

#### **1.1 TECHNICAL EXPERIENCE**

The bidder must be a substation or switchyard **EPC (Engineering, Procurement and Construction)** contractor who must have successfully executed **at least two (2) circuit breaker bays (\*) of 220 kV class or above during last 7 (Seven Years) in India** as on the date of bid opening and which must be in satisfactory operation atleast for a period of 1 (one) year as on the date of bid opening.

**PROVIDED THAT THE BIDDER SHALL SUPPLY/ FURNISH:**

- i. 400 kV class Circuit breaker **(#)** from the manufacturer, who have designed, manufactured, type tested and supplied the Circuit Breakers of 400kV or above class which must be in satisfactory operation in India for atleast 2 (two) years as on the date of bid opening.
- ii. IEC-61850 based C&R-SAS **(#)** (Substation automation System) [consisting of bay control & protection units, application software] from manufacturer, who should have designed, manufactured, type tested, supplied and installed it on at-least 1 No. of EHV substation of 400 kV or above voltage level (each having total bays not less than 5 Nos.) in India during last 5 (Five) years as on the date of bid opening.
- iii. Authorization Certificate from the manufacturer (s) at i & ii above (if applicable) authorizing the bidder for full backup supply and service support as per appended performa (Schedule-G).

**Note: \* For the purpose of qualifying requirement, one no. of circuit breaker bay shall mean a bay used for controlling a line or a transformer or a reactor or a bus section or a bus coupler and comprising of at least one circuit breaker, two disconnectors and three nos. of single phase CTs / Bushing CTs.**

**# If the bidder is a manufacturer and qualify for 400 kV Circuit Breaker and/or C&R-SAS, then he shall have to offer and supply his own make of 400 kV Circuit Breaker and/or C&R-SAS only.**

## 1.2 FINANCIAL POSITION

The bidders shall meet the following minimum criteria:-

a)	Minimum Average Annual Turnover *(MAAT) for best three financial years out of last five financial years  * Annual total income as incorporated in the profit & loss account	Rs. 60.00 Cr
b)	Bidder shall have liquid assets (L.A.) or/and evidence of access to or availability of credit facilities	Rs. 10.0 Cr

In case bidder is a holding company, MAAT & LA referred to in Clause 1.2 (a) & (b) above shall be that of holding company only (i.e. excluding its subsidiary/group companies). In case bidder is a subsidiary of a holding company, MAAT & LA referred to in clause 1.2 (a) & (b) above shall be that of subsidiary company only (i.e. excluding its holding company).

## 1.3 JOINT VENTURE FIRMS:

1. In case a bid is submitted by a Joint Venture (JV) [up to two firms only as partners], Joint venture shall meet collectively all the requirement of Clause No. 1.1 & 1.2 above. The figure of average annual turnover and liquid assets/credit facilities for each of the partners of the JV shall be added together to determine the JV's compliance with the minimum qualifying criteria set out in Clause 1.2 above. However, for a JV to be qualified, the partner(s) of JV must also meet the following minimum criteria:
  - i) The lead partner shall meet Clause No. 1.1 as above and not less than 50% of the minimum criteria given at Clause 1.2 above.
  - ii) The other partner of the Joint Venture shall meet not less than 25% of the minimum criteria given at clause No.1.2.
  - iii) A firm can be a partner in only one joint venture; bids submitted by Joint Venture including the same firm as partner will be rejected.Failure to comply with these requirements as above will result in rejection of the joint venture's bid.
2. Bids submitted by a Joint venture of firms as partners shall comply with following requirements.
  - a) The bid shall include all the information listed in Part-B, Clause 2.1 (a) to (l) for each Joint venture partner and 2.1 (m) for the Joint venture.
  - b) One of the partners shall be nominated as Lead Partner, and his authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatory of the other partner.
  - c) The bid may be signed by the lead partner of the Joint Venture and in case of successful bid the "Form of Joint Venture agreement" shall be signed by all the partners so as to be legally binding on both the partners.
  - d) The lead partner shall be authorized to incur liabilities and receive instructions for and on behalf of other partner of the joint venture and the entire execution of the contract including payment shall be done exclusively with the lead partner as per Performa enclosed.
  - e) Both partners of the Joint venture shall be liable jointly and severally for the execution of the contract in accordance with the contract terms and a statement to this effect shall be included in the authorization mentioned under (c) above as well as in the Bid Form and in the Contract Form (in case of successful bid).

- f) A copy of the agreement entered into by the Joint venture partners duly attested by Notary Public shall be submitted with the bid.
- g) EMD, security deposit and performance guarantee of a Joint Venture be in the name of Lead Partner or in the name of the Joint venture submitting the bid.

## **2.0. PART-B**

2.1. To be qualified for award, bidders shall provide satisfactory evidence to the owner of their capability and adequacy of resources to carry out the contract effectively. Bids shall include the following information:-

- a) Copies of original documents defining the constitution or legal status, place of registration and principal place of business, written power of attorney of the signatory of the bid to commit the bidder.
- b) Total annual turnover of supply of materials and equipment of similar nature over the last 5 years.
- c) Reports on the financial standing of the bidder including profit and loss statements, balance sheets and auditors reports of the past 5 years and an estimated financial projection for the next two years.
- d) Evidence of access to lines of credit and availability of other financial resources.
- e) Performance as prime contractor for the supply of materials and equipment of similar nature over the last 5 years and details of other works in hand and contractual commitments.
- f) Details in support to have adequate substation design infrastructure and experienced qualified engineers and staff associated with design, procurement and progress monitoring work.
- g) Details to have all infrastructure, tools and tackles, testing equipment, experienced project manager and sufficient qualified and experienced erection engineers and staff etc. to undertake the job at site alongwith quality control measurements etc. and complete the same within prescribed time schedule.
- h) Description of the plan for carrying out the work.
- i) The qualification and experience of key personnel proposed for carrying out the work. The Project manager shall have atleast 15 years of experience in executing such contract of comparable nature including not less than 5 years as manager. C.V. of Project Manager shall be enclosed duly authenticated by authorized signatory.
- j) Proposal for Sub-vendors/ Sub contracting elements for the supply of materials/ Works in the relevant attachment. The required experience for the Sub-contractor/ Sub-Vendor for this project is as under:

### **Experience of Sub-Contractor for Works:**

#### **Electrical Works:**

- i) The sub-contractor (s), if envisaged/ proposed shall have experience of erection, testing and commissioning of atleast 1 No. 220 kV or above voltage AIS bays (Transformer and Line bay one each) including Structures, Transformer, Equipments, C&R Panel erection and Cable laying & terminations etc. in last five years and is successfully completed these works for atleast 6 months prior to the date of bid opening. A certificate of successful completion issued by project executing agency/ End-User/Owner shall be submitted as documentary evidence.
- ii) The sub-contractor as above shall have experienced manpower to carry out the works assigned to him in the project alongwith the required tools and tackles. Supporting document in this regard shall be submitted with the bid.

**Civil Works:**

- i) The sub-contractor (s), if envisaged/ proposed shall have experience of Civil Works for atleast 1 No. 220 kV or above level AIS Substations including Equipment and Structure foundations, Transformer foundation, Trenches, Control Room etc. in last five years and is successfully completed these civil works for atleast 6 months prior to the date of bid opening. A certificate of successful completion issued by project executing agency/ End-User/Owner shall be submitted as documentary evidence.
- ii) The sub-contractor as above shall have experienced manpower to carry out the works assigned to him in the project alongwith the required tools and tackles. Supporting document in this regard shall be submitted with the bid.

**Experience of Sub-Vendor for Supplies:**

- i) The sub-vendors for the major items/ equipments/element (costing more than 5% of the overall cost of supplies quoted for the project and not covered/ mentioned under the approved vendor list/ as qualification item), the bidder shall propose name of proposed sub-vendors for each of such items alongwith their past experience list, test certificates, satisfactory operation certificates, quality certification/ plans etc. to show the adequacy of capability and capacity to make supplies under this project.
  - k) Authority to seek reference from the Bidder's banks.
  - l) Information regarding bidders anticipated ownership change (if such a change is anticipated, the scope and effect thereof shall be defined) during the period from bid submission to two years after commercial operation defined as successful completion of commissioning and acceptance by owner.
  - m) Proposal of manufacturing methods and schedule in sufficient detail to demonstrate the adequacy of the bidder's proposals to meet the technical specification and the completion schedule.
- 2.2. The above stated requirements are a minimum and the owner reserves the right to request for any additional information. Nigam also reserves the right to reject the proposal of any Bidder; if in the opinion of the owner the qualification details are incomplete or the Bidder is found not qualified to satisfactorily perform the contract then his price bid (part II) shall not be opened.
- 2.3. Nigam reserves right to waive minor deviations if they do not materially affect the capability of the Bidder to perform the contract.
- 2.4. Notwithstanding anything stated as above, the Nigam reserves the right to assess the bidder's capabilities and capacity in terms of concurrent project commitments, available and deployable resources etc. to perform the contract, should the circumstances warrant such assessment in the overall interest of the Nigam.
- 2.5. Nigam does not bind itself to accept the lowest or any of the bids and reserves the right to accept any bid or reject any or all bids without assigning any reasons thereof.