

**VOLUME I
CONDITIONS OF CONTRACT**

SECTION-1

NOTICE INVITING TENDER

FOR

**±320kV, 1X1000 MW VOLTAGE
SOURCE CONVERTER (VSC) BASED
HVDC CONVERTER STATIONS IN
MUMBAI, MAHARASHTRA**

ON EPC BASIS

(INTERNATIONAL COMPETITIVE BIDDING)

ADANI ELECTRICITY MUMBAI INFRA LIMITED (AEMIL)**NOTICE INVITING TENDER (NIT)****FOR****±320kV, 1X1000 MW VOLTAGE SOURCE CONVERTER (VSC) BASED HVDC
CONVERTER STATIONS IN MUMBAI, MAHARASHTRA****(International Competitive Bidding)**

NIT No.: AEMIL-01

Date: 28.01.2022

Tender Document No.: AEMIL/HVDC/01/2022

1. Adani Electricity Mumbai Infra Limited (AEMIL), a 100% subsidiary of Adani Electricity Mumbai Limited (AEMIL), a member of Adani Group has been incorporated for the specific purpose of development, construction, operation and maintenance of HVDC Scheme i.e. ±320kV Monopole, 1x1000 MW HVDC Voltage Source Converter (VSC) based link between 400 kV Maharashtra State Electricity Transmission Company Ltd. (MSETCL) Kudus EHV substation and 220 kV AEMIL-Transmission Aarey EHV substation. AEMIL has been granted transmission license under Section 14 of the Electricity Act 2003 by the Maharashtra Electricity Regulatory Commission (MERC) on Mar 21, 2021 for the said "HVDC Scheme".

2. AEMIL (hereinafter referred to as "**Owner**"), hereby invites sealed bids from eligible bidders in two (2) envelopes (Envelope-I: Techno-commercial Bid and Envelope-II: Price Bid) for HVDC Converter Stations ("**Plant**") on an 'Engineering Procurement and Construction' ("**EPC**") basis, as per the scope of work mentioned hereinafter.

3. **Brief Scope of Work**

The selected bidder is required to perform obligations pertaining to the design, engineering, manufacturing, shop fabrication, procurement, inspection and testing at manufacturer's and/or sub-vendor's works, packaging and forwarding, supply, transportation including transit and marine insurance, training of Owner's personnel and supply of equipment including mandatory spares, special tools & tackles and testing & measuring equipment etc. receipt, unloading, handling and storage at site, complete services of construction including site fabrication, installation, civil and structural works, erection, testing, commissioning, conducting performance guarantee tests of equipment under bidder's scope of work of subject Plant, on turnkey EPC basis, as more specifically detailed in the Tender Documents (*as defined below*).

4. Detailed specifications, scope of work, terms and conditions with respect to the Plant is given in the following documents.

Volume – I : Conditions of Contract

Volume – II : Technical Specifications

(collectively referred as the "**Tender Documents**")

5. The Tender Documents shall be made available for sale to the interested bidders at the address given below and as per the following schedule:

NIT no. and date	AEMIL/HVDC/O1/2022 dated 28.01.2022
Tender Document no.	AEMIL/HVDC/O1/2022
Bid document sale period	28.01.2022 to 10.02.2022 (on all working days)
Bid document sale timing	From 10:00 hours (IST) to 17:00 hours (IST)
Last date for receipt of bid queries	Upto 17:00 hours on 17.02.2022
Owner's reply to pre-bid queries raised by bidders(s)	by 21.02.2022
Last date and time for bid receipt for Envelope-1 (Techno-commercial Bid)	Upto 17:00 hours (IST) on 22.03.2022
Date and time for opening of Envelope-1 (Techno-commercial Bid)	17:30 hours (IST) on 22.03.2022
Date and time for submission of Envelope-2 (Price Bid)	17:00 hours (IST) on 22.04.2022 (subject to meeting qualification as per techno-commercial evaluation)
Bid validity period	The bid should be kept valid for a period of 180 (one hundred eighty) days from the last date of submission of bids specified hereinabove.
Fee for procurement of Tender Documents	Indian Rupees 1,00,000/- (Indian Rupees One Lakh Only) or United States Dollars 1,500/- (United States Dollars One Thousand Five Hundred Only)

A complete set of Tender Documents can be purchased by remitting the fee stated hereinabove for procurement of Tender Documents through 'Real Time Gross Settlement' to the payee's bank account, details of which shall be provided on request or through 'Demand Draft' or 'Pay Order' drawn in favour of Adani Electricity Mumbai Infra Limited, payable at Mumbai [Maharashtra, India].

6. **Earnest Money Deposit: Not applicable.**

7. **Qualifying Requirement for Bidders**

Owner may assess the capacity and capability of the bidders, 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) visit to bidder's work/manufacturing facilities (iii) Details of work executed, works in hand and past track record, (iv) details of quality system in place; (v) details of equipment owned by the bidder, (vi) Tie up with reputed suppliers with required specifications, (vii) Performance Certificates, (viii) Financial Strength. The bidder should meet the qualifying requirement as stipulated hereunder:

- 1) 'Technical Qualifying Criteria', as specified in Clause 7.1 below; and
- 2) 'Financial Qualifying Criteria', as specified in Clause 7.2 below.

7.1 Technical Qualifying Criteria

7.1.1 The bidder shall be manufacturer of Voltage Source Converter (VSC) High voltage Direct Current Transmission equipment who has implemented a contract wherein the scope involves engineering, manufacturing, supply, erection, testing and commissioning of at least one long distance VSC based HVDC transmission converter station or a VSC based Back-to Back HVDC system of a unit rating of at least 250MW, along with all associated auxiliary equipment and ancillary works and **the VSC HVDC system** should have been in Satisfactory Operation for a period of not less than one year as on the originally scheduled date of submission of bid.

7.1.2 In case the Bidder does not meet the requirement of Clause no. 7.1.1, it will be considered meeting the technical experience provided it meets the following requirement:

7.1.2(a) The Bidder shall be a manufacturer of High voltage Direct Current Transmission equipment who has implemented a contract, wherein the scope involves engineering, manufacturing, supply, erection, testing and commissioning of at least one long distance HVDC converter station or a Back-to-Back HVDC system of a unit rating of at least 250 MW, along with associated auxiliary equipment and ancillary works and the HVDC system should have been in Satisfactory Operation for a period of not less than two years as on the originally scheduled date for submission of bid as mentioned above.

AND

7.1.2(b) The bidder has implemented a contract, wherein the scope involves engineering, manufacturing, supply, erection supervision, testing and commissioning of at least one VSC based HVDC transmission project of a unit rating of at least 250 MW, along with associated auxiliary equipment and ancillary works and the HVDC system should have been in Satisfactory Operation as on the originally scheduled date for submission of bid as mentioned above.

The bidder who meets the requirement as specified in Clause no. 7.1.2 above, shall provide an extended warranty of 1 year on the VSC HVDC system.

7.1.3 In case the bidder does not meet qualifying requirement as specified in Clause no. 7.1.1 or 7.1.2 above, the bidder will be considered as qualifying bidder provided the bidder meets the following requirement;

The bidder shall have experience in Engineering, Procurement and Construction (EPC) in power transmission projects of 765kV or higher voltage and shall have to arrange valid binding support letter from the party who meets the requirements as set out in Clause no. 7.1.1 or 7.1.2 above. The support letter shall be submitted along with Techno-commercial bid, failing which the bidder shall be disqualified and its bid shall be rejected. In the event bidder becomes the successful bidder, it will have to execute the Project through the party from whom support letter is provided, which shall be binding requirement for qualification.

In case the bidder qualifies to submit the bid through support letter, the partner providing the support letter shall also be responsible for successful performance of the HVDC Converter Station and has to submit performance bank guarantee equivalent to 10% of the Contract value for their scope of work and shall submit the same in the name of the Owner, besides the performance bank guarantee for the balance scope to be submitted by the bidder. Thus, the overall bank guarantee to be submitted to the Owner shall be 10% of the Contract value. In case of any short fall in performance, the Owner would pursue performance as per the Contract, between all participants to the bid and depending on the shortfall in Contract performance may exercise its right for encashment of all the bank guarantees received i.e. both from bidder as well as the partner providing the support letter.

7.2 Financial Qualifying Criteria

7.2.1 Net Worth for last 3 financial year should be positive.

7.2.2 Minimum Average Annual Turnover# (MAAT) for last three (3) years of the bidder should be INR 8000 Million or its equivalent amount in any foreign currency.

#Note: Annual total income as incorporated in the profit & loss accounts except non-recurring income e.g. sale of fixed assets.

In case bidder is a holding company, the Financial criteria referred to in Clause 7.2 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, the Financial criteria referred to in Clause 7.2 above shall be that of subsidiary company only (i.e. excluding its holding company).

7.3 Consortium Bids

7.3.1 In case a bid is submitted by a Consortium arrangement of two or more firms, then the consortium must comply the minimum criteria as specified in the following Clause no. 7.3.1.1.

7.3.1.1 (i) At least one of the partner must meet the criteria specified in Clause no. 7.1.1 or 7.1.2 above.

(ii) At least one of the partner must meet the criteria specified in Clause no. 7.2.1 above.

(iii) All the partners shall meet individually the financial criteria specified in Clause no. 7.2.2 above.

(iv) In case of consortium bid wherein the members of the consortium intent to quote for their respective scope of work, then all the members of the consortium have to take joint and several responsibility for complete performance of the system. All the consortium member of the bids have to submit performance bank guarantee equivalent to the value of 10% of the respective Contract value of the individual bidder in the name of the Owner. The Owner shall retain all the performance bank guarantees up to the warranty period of the Contract. All the bidders shall be jointly responsible for successful performance of the system and in case of any short fall in performance, the Owner may exercise its right for encashment of all the bank guarantees.

7.4 The bidder shall submit documentary evidence in support of meeting the qualification requirement stipulated above.

8. Bids shall be submitted by the bidders on or before the time & date stipulated in Clause 5 above and at the address given below. The bids shall be opened by Owner on the date & time stipulated in Clause 5 above. Any late submission of bid by the bidder shall be rejected, on Owner's sole discretion.

Head Techno-commercial,
Adani Electricity Mumbai Infra Limited
First Floor, North Wing, Adani House,
Shantigram, Near Vaishnodevi Circle,
Ahmedabad – 382 421, Gujarat, India
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Email: aemil.station@adani.com

9. Issuance of Tender Documents to any bidder shall not construe that such bidder is considered to be qualified. Further, Owner reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of the contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for Owner's action. The decision of Owner shall be final and binding in this regard.