



# The West Bengal Power Development Corporation Limited

## NOTICE INVITING TENDER

E- Tenders (**DOMESTIC COMPETITIVE BIDDING (DCB)**) in prescribed format are invited at <https://eps.buyjunction.in> by the General Manager(M&C),Corporate Office,the WBPDC from eligible Agencies/firms in **02(two) stage** bid system for the following :

**Name of the job :** **DRY SORBENT INJECTION (DSI) SYSTEM PACKAGE FOR BANDEL THERMAL POWER STATION (1X215MW) THROUGH EPC TURNKEY PACKAGE**

**N IT no. :** **DSI-BTPS : WBPDC/CORP/NIT/E1445/21-22**

Sl. No.	Milestone	Date
1	Publishing Date	<b>29 Jun , 2021 at 10:00:00 AM</b>
2	Document Download start date (Stage-I)	<b>29 Jun , 2021 at 10:00:00 AM</b>
3	Pre-bid meeting (online through Microsoft Teams APP)	<b>22 Jul , 2021 at 11:00:00 AM</b>
4	Pre-Bid resolution upload	<b>28 Jul , 2021 at 11:00:00 AM</b>
5	Bid submission start date (Stage-I)	<b>29 Jun , 2021 at 10:00:00 AM</b>
6	Bid submission end date (Stage-I)	<b>12 Aug , 2021 at 3:00:00 PM</b>
7	Technical Bid opening date (Stage-I)	<b>12 Aug , 2021 at 3:30:00 PM</b>
<b>Correspondence Details</b>		
1	Address	The West Bengal Power Development Corp. Ltd., Bidyut Unnayan Bhaban, Plot No. : 3/C, L.A. Block, Salt Lake City, Sector – III, Kolkata : 700106.
2	Contact person	The Manager (PS) , M&C department, Corporate Office, The West Bengal Power Development Corp. Ltd. Bidyut Unnayan Bhaban, Plot No. 3/C LA-Block, Sector-III, Bidhannagar,Kolkata-700 106 <a href="mailto:03326813625/ipsitamnc020919@gmail.com">Contact: 03326813625/ipsitamnc020919@gmail.com</a> 9830616477

**For further process please visit: <https://eps.buyjunction.in>**



## **The West Bengal Power Development Corporation Limited**

**The West Bengal Power Development Corporation Limited (WBPDC) invites Electronically secured tenders separately for the two Stations in TWO STAGES (i.e Stage-I: Techno-commercial Bid and Stage-II: Price Bid) from reputed eligible bidders having sound technical and financial capability for DRY SORBENT INJECTION (DSI) SYSTEM PACKAGE FOR BANDEL THERMAL POWER STATION (1X215MW) THROUGH EPC TURNKEY PACKAGE through mjunction portal – [eps.byjunction.in](http://eps.byjunction.in).**

**NOTE : THE NIT DOCUMENT UPLOADED HERE ARE MADE COMMON FOR BOTH BKTPP AND BTPS PROJECTS .**

**THE BIDDERS INTERESTED FOR A PARTICULAR PROJECT HAS TO UPLOAD THEIR DOCUMENTS AGAINST THAT PARTICULAR PROJECT TENDER ID ONLY.**

**PLEASE GO THROUGH THE NIT DOCUMENT CAREFULLY AND BE CAUTIOUS WHILE UPLOADING THE BID DOCUMENTS FOR A PARTICULAR PROJECT AGAINST THAT TENDER ID , OTHERWISE THE BID SHALL BE SUMMARILY REJECTED FOR SUBMITTING IN DIFFERENT TENDER ID .**

### **SCOPE OF WORK FOR THE TURNKEY PACKAGE:**

The scope of Dry Sorbent Injection (DSI) System Package shall cover design, engineering, manufacture, shop fabrication, preassembly, shop testing/type testing at manufacturer's works, packing, transportation, unloading, handling and conservation of equipment at site, complete services of construction including erection, supervision, pre-commissioning, commissioning and performance testing of equipments under bidder's scope of work of Dry Sorbent Injection (DSI) System and its associated auxiliaries including all associated Electrical, Control & Instrumentation, Civil, Structural and Architecture works. Dry Sorbent Injection System shall use Sodium Bicarbonate as reagent and shall have but not limited to the following:

- Sodium Bicarbonate (SBC) Storage Silos complete with Truck Unloading System to Storage Silos, Sodium Bicarbonate Feeding, Milling & Injection system for each unit;
- Instrument air compressors ;
- Control Equipment building for housing De-humidifiers, Mills, Injection Blowers, etc.
- Complete Electrical System including all motors, HT/LT Switchgears, Transformers, Electrical Actuators, LT power & control cables, cabling, lighting, common MCC room etc.
- Complete C&I systems including SO<sub>2</sub> analyser.



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- Special maintenance tools and tackles, commissioning spares, mandatory spares etc.

Scope shall be inclusive of logistic studies, customs clearance & port clearance, port charges, if any, Performance and guarantee tests after successful completion of initial operation; Supply of Mandatory spares, Reconciliation with Customs Authorities and Satisfactory conclusion of the Contract.

Detailed scope of work has been specified in the bidding documents.

### TIME OF COMPLETION:

Completion of all Facilities for:

- i) Bandel Thermal Power Station within 15 months from the Zero date.

### Bid Security/Earnest Money Deposit(EMD):

**Rs.1.03 Crore ( Rupees One crore three lakh only)**

Bank Guarantees of above mentioned has to be submitted within the stipulated date and time as Earnest Money Deposit (EMD). The Bank Guarantees have to be issued by an Indian Branch of any scheduled bank under RBI. The Bank Guarantee shall remain valid for a period of total **270** (two hundred seventy) days that is **180** (one hundred eighty) days with an **additional claim period of 90 (ninety)** days from the date of opening of the tender for Stage-I. **Scanned copy of EMD need to be uploaded with the Bid in the E-tender portal (<https://eps.buyjunction.in>)**. Any bid without bid security shall be rejected .

*The bidder shall furnish as part of its bid , bid security as specified above , in original and in the amount specified above, before the techno-commercial bid submission (Stage-I) end date at the office of the GM(M&C),WBPDC , Corporate Office.*

Details of the above and the other terms and conditions have been specified in the Conditions of Contract.



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## Clause 5.0 QUALIFICATION REQUIREMENT AND ELIGIBILITY CRITERIA FOR BIDDERS

The Bidder should be an Indian Company registered in India under the Companies Act of India meeting any of the qualifying routes i.e Route-1 (clause 5.1.1) or Route-2 (clause 5.1.2) including requirements stipulated in sub clauses of respective Route. In addition, the Bidder should also meet the requirements stipulated under clause 5.2.0 together with the requirements stipulated under clause 5.1.1 or 5.1.2.

Documentary evidence (end users completion certificate) in support of criteria fulfillment for each of the clauses mentioned in the Qualification requirement need to be submitted for owner's satisfaction by the bidder and/or his Collaborator as the case may be .

### 5.1.1 ROUTE-1: Qualified Dry Sorbent Injection System Manufacturer (QDSIM)

The Bidder should have designed, engineered, supplied, erected/supervised erection and commissioned/supervised commissioning of at least one (1) no. of permanent Dry Sorbent Injection System in a pulverized coal fired unit, having flue gas flow of not less than 6,00,000 Nm<sup>3</sup>/hr, with sulphur dioxide capture efficiency of at least 50%. The above Dry Sorbent Injection System should be using Sodium Bicarbonate as reagent and should have been in successful operation for a period not less than one (1) year prior to the date of Techno-Commercial bid opening(Stage-I).

### 5.1.2 ROUTE-2: EPC Organization with Collaboration and Licensing Agreement with QDSIM

5.1.2.1 The Bidder should be an Engineering, Procurement and Construction (EPC) organization and should have executed, in the last 07 years, industrial projects on EPC basis (with or without civil works) in the area of power, steel, oil & gas, petro-chemical, fertilizer, Flue Gas Desulphurization and / or any other process industry during last 07 years ending last day of month previous to one in which applications are invited( i.e. 31.05.2021), with order values as follows:

<b>Bandel Thermal Power Station</b>	<b>Three Completed works costing not less than the amount of Rs. 210.00 Million. OR Two Completed works costing not less than the amount of Rs. 265.00 Million. OR One Completed works costing not less than the amount of Rs. 425.00 Million.</b>
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- 5.1.2.2 Bidder should also have a valid ongoing collaboration and licensing agreement with a QDSIM meeting requirements of clause 5.1.1, valid minimum up to the end of the defect liability period of the contract. In such a case Bidder can either source the Dry Sorbent Injection System from such manufacturer or manufacturer/get manufactured the Dry Sorbent Injection System as per the design and manufacturing drawings released by such QDSIM.
- 5.1.2.3 The Bidder shall furnish a Deed of Joint Undertaking (DJU) executed by it and the QDSIM, in which the executants of DJU shall be jointly and severally liable to the Employer for successful performance of the Dry Sorbent Injection System including meeting the technical guarantees. The DJU shall be submitted along with techno-commercial bid, failing which the Bidder shall be disqualified and its bid shall be rejected.
- 5.1.2.4 **In case of award of a project, the QDSIM will be required to furnish an on demand bank guarantee for an amount of 2 % of the total contract price of the Dry Sorbent Injection System Package in addition to the contract performance security to be furnished by the Bidder.**

### Notes for clause 5.0

#### (1) Definitions

- (i) "QDSIM" (Qualified Dry Sorbent Injection System Manufacturer) means a manufacturer meeting requirements stipulated at clause 5.1.1
- (ii) Whenever the term 'coal fired' is appearing above, "Coal" shall be deemed to also include bituminous coal/brown coal/ Anthracite coal/lignite.
- (iii) Whenever the term "Sodium Bicarbonate" is appearing above, "Sodium Bicarbonate" shall be deemed to also include Trona (sodium sesquicarbonate / Sodium sesquicarbonate dihydrate).

#### (2) Erection/Commissioning

Where erection / supervision of erection and commissioning / supervision of commissioning has not been in the scope of the Bidder as mentioned in clause 5.1.1 the Bidder should have acted as an advisor for erection and commissioning. Necessary documents / certificates from the client, in support of above shall be furnished along with the Techno-Commercial bid.

#### (3) Direct / Indirect order

The Bidder/ QDSIM shall also be considered qualified, in case the award for executing the reference works has been received by the Bidder/ QDSIM either



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directly from owner of plant or any other intermediary organization. However, a certificate from such owner of plant or any other intermediary organization shall be required to be furnished by the bidder along with its bid proposal (Stage-I) in support of the Bidder's/QDSIM claim of meeting the qualification requirement as per clause 5.0 above.

## 5.2 Financial Criteria:

**Bidder and its Collaborator (if any) shall submit its audited Balance Sheet and Profit & Loss account (duly certified by Chartered Accountant with sign and seal) for the last three [3] financial years from the date of 1<sup>st</sup> Stage Bid submission ( FY 2017-18, FY2018-19, FY2019-20) for verification and in support of their compliance of the financial criteria.**

### 5.2.1 Financial Criteria of Bidder

5.2.1.1 The average annual turnover , in the preceding three (3) financial years as on the date of techno-commercial bid opening (Stage-I) ( FY 2017-18, FY2018-19, FY2019-20), should not be less than :

For Bandel Thermal Power Station : **INR 160 Million (Rupees One Hundred Sixty Million)**

5.2.1.2 The Net Worth, as on the last day of the preceding financial year as on the date of techno commercial bid opening (Stage-I) should not be less than 100% of the paid-up share capital.

### 5.2.2 Financial Criteria of QDSIM (in case bidder is an EPC Organization with Collaboration and Licensing Agreement with QDSIM)

The Net Worth, as on the last day of the preceding financial year as on the date of techno commercial bid opening (Stage-I) should be positive.

#### Notes for clause 5.2

- (i) In case of Foreign currency(ies) conversion factor shall be the TT Buying exchange rate of SBI as on the date bid opening (Stage-I).
- (ii) Net Worth means the sum total of the paid up share capital and free reserves. Free reserve means all reserves credited out of the profits and share premium account and does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off , if any shall be reduced from reserves and surplus.



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WBPDC reserves the right to reject any or all Bids or cancel/withdraw the 'Invitation for Bids' without assigning any reason whatsoever and in such case no Bidder/ intending Bidder shall have any claim arising out of such action.

WBPDC reserves the right not to accept Qualified Dry Sorbent Injection System Manufacturer (QDSIM) in such cases where the participating enterprise has origin or carries out business from a "Prior reference" country as indicated by order no. 25-11/6/2018-PG dated 02.07.2020 of Ministry of Power, Govt. of India.

Downloading and submission of bidding documents will not be construed to mean that such Bidders are automatically considered qualified.

Bids are to be submitted online through the E-tender portal(<https://eps.buyjunction.in>) . All the documents uploaded by the Tender Inviting Authority, form an integral part of the bid. Bidders are to keep track of all the Addendum / Corrigendum issued against the particular NIT and download copies of the above documents and merge the Addendum / Corrigendum with respective NIT.