

Damodar Valley Corporation
(Established by the ACT XIV of 1948)



BIDDING DOCUMENTS
FOR
STEAM GENERATOR ISLAND PACKAGE
FOR
RAGHUNATHPUR THERMAL POWER STATION
PHASE-II (2X660MW)
SECTION - I, II, III, IV & V

BIDDING DOCUMENT NO. : DVC/C&M/Engineering/RTPS Ph-II/EPC/SG

Damodar Valley Corporation

(Established by the ACT XIV of 1948)



BIDDING DOCUMENTS FOR

STEAM GENERATOR ISLAND PACKAGE

FOR

**RAGHUNATHPUR THERMAL POWER STATION
PHASE-II (2X660MW)**

SECTION - I, II, III, IV & V

BIDDING DOCUMENT NO. : DVC/C&M/Engineering/RTPS Ph-II/EPC/SG

(This document is meant for the exclusive purpose of bidding against this Bid Document No. / Specification and shall not be transferred, reproduced or otherwise used for purposes other than that for which it is specifically issued).

**BIDDING DOCUMENTS
FOR
STEAM GENERATOR ISLAND PACKAGE
FOR
RAGHUNATHPUR THERMAL POWER STATION PHASE-II (2X660MW)
BIDDING DOCUMENT NO. : DVC/C&M/Engineering/RTPS Ph-II/EPC/SG**

CONTENTS

- Section I : Invitation for Bids (IFB)
- Section II : Instructions to Bidders (ITB)
- Section III : Bid Data Sheets (BDS)
- Section IV : General Conditions of Contract (GCC)
- Section V : Special Conditions of Contract (SCC)
- Section VI : Technical Specification & Tender Drawings (TS)
- Section VII : Forms and Procedures (FP)
1. (i) Bid Form (Techno-Commercial Bid) along with Attachments [enclosed as Section-VII, Book 1 of 3]
 - (ii) Bid Form (Price Bid) along with Attachments & Price Schedules [enclosed as Section-VII, Book 2 of 3]

Book 3 of 3 consisting of the following:

Book 3 of 3 [Part 1]

2. Bid Security Form - Bank Guarantee
 - 2a. Bid Security Form Letter of Credit
 - 2b. Bid Security Form – Insurance Surety Bond
3. (a) Form of Notification by the Employer to the Bidder
 - (b) Form of Sight Draft
4. Forms of Notification of Award
5. Form of Contract Agreement
6. Performance Security Forms-- Bank Guarantee/Insurance Surety Bond

- 6a. Performance Security Form for Phased Manufacturing Programme (PMP)
 7. (i) Bank Guarantee Form for Advance Payment (Supply-FOB/Ex-works)
 7. (ii) Bank Guarantee Form for Advance Payment (Installation Services / Civil / Structural Works)
8. Form of Completion Certificate
9. Form of Operational Acceptance Certificate
10. Form of Trust Receipt
11. Forms of Indemnity-Cum-Undertaking Agreement (3 Nos.)
12. Form of Authorization Letter
13. Forms of Deed of Joint Undertaking (DJU) [**Book 3 of 3, Part-2**]
14. Form of Bank Guarantee/Insurance Surety Bond by Executants of DJUs other than Contractor
15. Form of Bank Guarantee/Insurance Surety Bond Verification Check List
16. Form of Validity Extension of Bank Guarantee/Insurance Surety Bond
17. Form of Indemnity-Cum-Undertaking Agreement (Removal/Disposal of Scrap/Surplus Material)
18. Form of Contract Closing Certificates
19. Electronic Fund Transfer Form
20. BG forwarding letter from Bank to Employer in Bank's letterhead
21. Certificate from Bank regarding BG Charges

Acronyms

BDS	Bid Data Sheet
CIF	Cost, Insurance and Freight
CIP	Carriage and Insurance paid to (place)
CPM	Critical Path Method
EDI	Electronic Data Interchange
EXW	Ex factory, ex works or ex warehouse
FCA	Free Carrier
FOB	Free on Board
FOR	Free on Rail / Road
FP	Forms & Procedures
GCC	General Conditions of Contract
ICC	International Chamber of Commerce
IFB	Invitation for Bids
ITB	Instructions to Bidders
SCC	Special Conditions of Contract
TS	Technical Specifications and Drawings
UNCITRAL	United Nations Commission on International Trade Law
INCOTERMS	International Commercial Terms

Note: The terms ExW, CIF, etc. shall be governed by the rules prescribed in the current edition of INCOTERMS, published by the international chambers of commerce, Paris, France.

TABLE OF CONTENTS

SECTION I	:	INVITATION FOR BIDS (IFB)
SECTION II	:	INSTRUCTIONS TO BIDDERS (ITB)
SECTION III	:	BID DATA SHEETS (BDS)
SECTION IV	:	GENERAL CONDITIONS OF CONTRACT (GCC)
SECTION V	:	SPECIAL CONDITIONS OF CONTRACT (SCC)
SECTION VI	:	TECHNICAL SPECIFICATION & TENDER DRAWINGS (TS)
SECTION VII	:	FORMS AND PROCEDURES (FP)
		(BOOK 1 OF 3)
		(BOOK 2 OF 3)
		(BOOK 3 OF 3) (PART-1) & BOOK 3 OF 3 (PART – 2)

SECTION - I

INVITATION FOR BIDS (IFB)

Damodar Valley Corporation
(Established by the ACT XIV of 1948)

INVITATION FOR BIDS (IFB)

FOR

STEAM GENERATOR ISLAND PACKAGE

FOR

RAGHUNATHPUR THERMAL POWER STATION PHASE-II(2X660MW)

LOCATED AT

PURULIA DISTRICT OF WEST BENGAL.
(International Competitive Bidding)

IFB No.: 2024_DVC_199700_1

Bidding Document No.: DVC/C&M/Engineering/RTPS Ph-II/EPC/SG

Date: 28.06.2024

A. Damodar Valley Corporation (DVC) invites bid from eligible bidders from eligible bidders on e-Tendering mode on **Single Stage Three Envelope Bidding Basis** for aforesaid package as per the brief Scope of Work mentioned hereinafter.

B. BRIEF SCOPE OF WORK

The Brief scope of work for the subject Steam Generator Island Package for Raghunathpur TPS Phase-II (2X660 MW) is as follows:

Design, Engineering, Manufacture, Supply, Construction, Erection, Testing & Commissioning works for the Steam Generator Island Package for Raghunathpur TPS Phase-II (2X660 MW) on the basis of single point responsibility, completely covering the following activities and services in respect of Steam Generator and Auxiliaries, Electrostatic Precipitator, Flue Gas Desulphurization (FGD) System, Biomass co-firing capability, and associated equipment, Independent ECW system for SG and Station auxiliaries, Ash Handling & disposal System (up to plant boundary), Coal and Biomass Conveying System in Main Plant area, Lime stone and Gypsum Handling Plant, Mill Reject Handling System, Compressed Air System, Air Conditioning & Ventilation Systems, Power cycle & Station Piping, MV Bus-duct, DC Batteries, Battery chargers, DG sets, LT switchgear & LT Bus Duct, Outdoor Transformers, HT & LT power cables, LT control cables, Lightning Protection, DG sets for FGD, Lighting, Cabling, Earthing, Control & Instrumentation(C&I), Fireproof cable penetration sealing system, Pipe / Cable racks, Solar PV plant on roof tops of buildings, Chimney with elevator, earthing mat/grounding for the SG Island package areas, underground facilities like drainage, sewerage, trenches, Packaged sewerage treatment plant, Rain Water Harvesting, etc covered under the specifications:

- (a) Basic Engineering of the plant including preparation of Plant Definition Manuals;
- (b) Detailed design of all the equipment and equipment system(s) including civil, structure steel & Architectural works included in bidder's scope.
- (c) Providing engineering drawings, equipment sizing & performance data, instruction manuals, as built drawings and other information;
- (d) Compliance with statutory requirements and obtaining clearances from statutory authorities, wherever required;

- (e) Complete manufacturing including shop testing/type testing;
- (f) Complete Civil, structural and architectural works
- (g) Packing and transportation from the manufacturer's works to the site including logistic studies, insurance, customs clearance & port clearance, port charges, if any.
- (h) Receipt, storage, preservation, handling and conservation of equipment at the site;
- (i) Fabrication, pre-assembly, if any, erection, insurance, testing, commissioning and completion of facilities including putting into satisfactory operation all the equipment including successful completion of initial operation;
- (j) Performance and guarantee tests along with initial operation;
- (k) Supply of spares on FOR site basis;
- (l) Reconciliation with Customs Authorities;
- (m) Satisfactory conclusion of the Contract;
- (n) Insurance and other requirements
- (o) The plant shall be ZLD compliant

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

- C. DVC intends to finance the aforesaid Package through Term Loan from Banks and/or FIs /ECB/World Bank/ADB etc./issue of long-term bonds.
- D. **Only Class-I local suppliers are eligible to Bid. Bids received (if any) from Class-II Local Supplier / Non Local Supplier shall be out rightly rejected.**
- E. Detailed specification, scope of work and terms & conditions are given in the Bidding Documents, which are available for examination and sale at the address given below and as per the following schedule:

Bidding Document No	DVC/C&M/Engineering/RTPS Ph-II/EPC/SG
Start of Documents download Date	28.06.2024 from 16:00 Hrs.
Date for Pre-Bid conference	18.07.2024 at 11:00 Hrs.
Last date for receipt of queries from bidders (if any)*	18.07.2024 upto 1700 Hrs (IST)
Bid receipt date ["Submission of hard copy documents for Techno- commercial Bid in Envelope-I - Offline ", "Uploading of 'Envelope-II (Techno- commercial Bid)' - Online " and "Uploading of 'Envelope-III (Price Bid) in Template Format' - Online "]	02.08.2024 upto 1500 Hrs (IST)
Bid Opening Date & Time for Envelope-I (Techno-Commercial) bid " Offline " and Envelope-II (Techno-Commercial) bid " Online "	05.08.2024 at 1500 Hrs (IST)

Cost of Bidding Document (non-refundable)	Rs. 35,000/- (Indian Rupees Thirty-Five Thousand Only) for Indian Bidders or USD 419 (US Dollars Four Hundred Nineteen Only) for Foreign Bidders inclusive of GST as applicable.
Bid Opening Date & Time for Envelope-III (Price) bid in Template Format' "Online"	Shall be intimated after opening of Envelope-I & II (Techno-Commercial) Bids.

*No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries/ Pre-Bid Conference as specified above.

The details are available at CPP Portal (Central public Procurement Portal) <https://etenders.gov.in/eprocure/app> and in www.dvc.gov.in (For information only). Any addendum/corrigendum /extension, if required, pertaining to this NIT will be hosted in <https://etenders.gov.in/eprocure/app> only. Bidders are requested to visit website <https://etenders.gov.in/eprocure/app> regularly for any addendum/corrigendum/extension till opening of the Bids.

- F. All bids must be accompanied by Bid Security for an amount of **INR 49,88,03,000/- (Indian Rupees Forty Nine Crore Eighty Eight Lakhs Three Thousand only)** or **USD 5,958,800.00 (US Dollars Five Million Nine Fifty Eight Thousand and Eight Hundred only)** in the form as stipulated in the Bidding Documents.

ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE BID SECURITY IN A SEPARATE SEALED ENVELOPE SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE. IN CASE, THE BID SECURITY IS SUBMITTED THROUGH ELECTRONIC FUND TRANSFER (EFT), BIDDER TO SUBMIT PROOF OF E-PAYMENT OF BID SECURITY IN SEPARATE ENVELOPE WITHIN THE ENVELOPE-I (HARD COPY DOCUMENTS) ALONGWITH UPLOADING OF SAME IN THE E-TENDERING PORTAL..

- G. **Qualifying Requirements for Bidders (QR):**

Qualifying Requirement (QR) for subject package is Attached as **Appendix-1**

- H. DVC reserves the right to reject any or all bids or cancel/ withdraw the Invitation for Bids or delete any of the Projects under subject IFB without assigning any reason whatsoever and in such case no bidder / intending bidder shall have any claim arising out of such action.
- I. A complete set of Bidding Documents may be downloaded by any interested Bidder from the website <https://etenders.gov.in/eprocure/app>. The tender is invited through Government e-procurement system of NIC (Ge PNIC) under Central Public Procurement Portal (CPPP) (URL: <https://etenders.gov.in/eprocure/app>).

Valid Digital Signature Certificate (DSC of Class 3 category) is mandatory to participate in e-tendering under CPP Portal (URL: <https://etenders.gov.in/eprocure/app>). The certificate may be obtained from any of the authorised agencies of CCA (Controller of Certifying Authorities)] on Bidder's own cost.

Bidders are advised to go through "Special Instructions to the Contractors/Bidders for the e-submission of the bids online through this e-Procurement Portal", "Information about DSC", "Bidders Manual Kit", "Site compatibility" & "FAQ" links available on the login page of the e-Tender portal for guidelines, bidder enrolment, procedures for downloading of Tender Documents & uploading of Bids and system requirements. In case of any technical

difficulty, Bidders may contact the help desk numbers & e-mail IDs mentioned at the e-tender portal.

The instructions given below are meant to assist the bidders in registering on the CPP Portal:-

- a) Bidders are required to register in the Government e-procurement portal, obtain 'Login ID' & 'Password' and go through the instructions available in the Home page after log in to the CPP Portal (URL: <https://etenders.gov.in/eprocure/app>), by clicking on the link "Online bidder Enrolment" on the CPP Portal which is free of charge.
- b) As part of the enrolment process, the bidders will be required to choose a unique user name and assign a password for their accounts.
- c) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- d) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate issued by any Certifying Authority recognized by CCA India with their profile.
- e) Bidder then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC/ e-Token.
- f) The Bidder intending to participate in the bid is required to register in the e-tender portal using his/her Login ID and attach his/her valid Digital Signature Certificate (DSC) to his/her unique Login ID. He/she have to submit the relevant information as asked for about the firm/contractor. The bidders, who submit their bids for this tender after digitally signing using their Digital Signature Certificate (DSC), accept that they have clearly understood and agreed the terms and conditions including all the Forms/Annexure of this tender.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://etenders.gov.in/eprocure/app>.

For clarification about e-tendering procedures, downloading & Uploading and further details / elaboration, the bidders are advised to contact the following FMP Support Persons, representatives of **M/s. National Informatics Centre Services Incorporated (NICSII)**, available in Help Desk at DVC Towers, C&M Department, 3rd Floor, Kolkata-54, West Bengal, India during the office hours:-

- (i) Mr. S K Nawajesh Rahman, e-mail: rnawajesh@gmail.com (Contact No. 9831683690)
- (ii) Sk. Imran, e-mail: hriskimran786@gmail.com (Contact No.: 8777791736).

Bidder have to pay the Cost of the Tender documents (non-refundable) as mentioned in Para E above only in the form as specified in Sec-II (ITB) of Bidding Documents.

DVC shall not be responsible in any way for any delay/ difficulties/ inaccessibility of the downloading or uploading facility from the website for any reason whatsoever.

Downloading of Tender Documents by any Bidder shall not construe that such Bidder is considered to be qualified. Transfer of Tender Documents downloaded by one intending bidder to another is not permissible.

In case of any discrepancies found between the downloaded tender documents from the website and the master copy available in the website <https://etenders.gov.in/eprocure/app>, the later shall prevail and will be binding on the tenderer(s). No claim/appeal on this account will be entertained or given cognizance.

- J.** Any 'Bidder (including its Collaborator/Associate/DJU Partner/JV partner/Consortium Member/Assignee, wherever applicable) from a country which shares a land border with India', as specified in the Bidding Documents, will be eligible to bid in this tender only if bidder is registered with the Competent Authority as mentioned in the Bidding Documents.

Further, any bidder (including bidder from India) having specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India, will be eligible to bid only if the bidder is registered with the competent authority.

However, the said requirement of registration will not apply to bidders from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects.

- K.** Issuance of Bid Documents to any Bidder shall not construe that such Bidder is considered to be qualified.
- L.** Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.

M. Address for Communication:

Sr. General Manager(E),
C&M Department, 3rd Floor,
DVC Towers, VIP Road,
Kolkata, West Bengal,
India, PIN – 700054

E-mail: samaresh.jana@dvc.gov.in
Mobile No. +91 7001827474

Websites: <https://etenders.gov.in/eprocure/app/> or www.dvc.gov.in

N. Registered Office

Damodar Valley Corporation,
(Established by the ACT XIV of 1948)
DVC Towers,
VIP Road,
Kolkata- 700054, India