



# DURGAPUR CHEMICALS LIMITED

(A Government of West Bengal Enterprise)  
 P.O.-DURGAPUR-713 215, DIST.: BURDWAN  
 AN ISO: 9001:2015 & 14001:2015 CERTIFIED COMPANY  
 Fax No. : 0343-2556667  
 E mail: [dclgdppurchase@rediffmail.com](mailto:dclgdppurchase@rediffmail.com)

Ref. No.: – DCL/PUR/TRANS-3MVA/01/20-21

Date- 21.04.2020

## NOTICE INVITING e-TENDER THROUGH E-PROCUREMENT FOR THE PROCUREMENT OF AUX DISTRIBUTION TRANSFORMER IN DURGAPUR CHEMICALS LIMITED.

1. Online e-tenders are hereby invited by Durgapur Chemicals Limited (DCL) from eligible contractors/fabricators for the procurement of “AUX DISTRIBUTION TRANSFORMER” Prospective Tenderers are advised to get themselves registered with the e-procurement system of the Govt. of West Bengal through respective helpdesk situated in Jalasampad Bhawan, 7th Floor, DVC Study Cell, Salt Lake, Kolkata – 700091. The concerns/bidders fulfilling the requirements as specified under Eligibility Criteria (Annexure III) of this document shall be eligible to apply. The details of work specification, terms & conditions are outlined in the Annexures to this e-tender as under:

- |     |                |   |
|-----|----------------|---|
| (a) | Annexure - I   | Application Form.                                   |
| (b) | Annexure - II  | Scope of Work.                                      |
| (c) | Annexure - III | Eligibility criteria for Technical/Qualifying Bids. |
| (d) | Annexure – IV  | Format of Commercial & Technical Bid.               |
| (e) | Annexure - V   | Terms & Conditions.                                 |
| (f) | Annexure – VI  | Undertaking by the Bidder.                          |
| (g) | Annexure – VII | Performance Report of Contractor.                   |

### 2. Mode of Bid Submission:

- i. Interested bidders should download the Notice Inviting e-Tender (NIT) and Bill of Quantities (BOQ) format from the e-portal [www.wbtenders.gov.in](http://www.wbtenders.gov.in) and upload their bids online through the same e-portal. The documents are to be signed digitally using Digital Signature Certificate (Class – II or Class – III) while uploading.

This Notice Inviting e-Tender is also available on the website [www.durgachem.com](http://www.durgachem.com) of Durgapur Chemicals Ltd. for information.

- ii. It is Two Covers on-line bidding system. The following Two Covers shall be submitted through online at e-portal [www.wbtenders.gov.in](http://www.wbtenders.gov.in) by the bidder. Last date and time of submission of bids is **as per Critical Date Sheet. Hard Copy of tender application / any other documents shall not be entertained.**

**Tender Fee and Earnest Money Deposit (EMD):** Tender Fee Not Required and Earnest Money Deposit (EMD) of Rs. 50,000/- (Rupees fifty thousand only) to be paid through ICICI Bank gateway. Offline payment of EMD in the form of demand draft is not allowed. Bidders claiming exemption must submit their supporting document. If there is any doubt or any confusion, please call 9800020809.

Earnest Money will be automatically refunded to the unsuccessful Tenderers immediately after finalization of the tender in their bank account (online).

Scanned copy of relevant bank documents for online payment of Tender Fees and EMD to be uploaded in the e-portal [www.wbtenders.gov.in](http://www.wbtenders.gov.in) duly signed digitally.

iii. **Cover – I (Pre Qualification, Commercial & Technical Cover): Containing qualification requirements of Contractors/Firms:**

The tenderers shall submit their necessary information on Technical cover by downloading the Notice Inviting e-Tender – **Format vide Annexure – IV** from the e-portal and fill-up the required information and upload the digitally signed file of scanned documents in support of their meeting each criteria mentioned in the Notice Inviting e-Tender.

iv. **Cover – II (Bill of Quantities- BOQ): Containing the financial e-bid:**

The bidders must download BOQ format from [www.wbtenders.gov.in](http://www.wbtenders.gov.in) and quote the rates as per requirement of Notice Inviting e-Tender. After quoting the rates the BOQ format should be uploaded with digital signature (class- II or class-III).

3. **Critical Date Sheet:**

Publish Date	21.04.2020
Bid Document Download	24.04.2020 at 10.00 a.m.
Bid Submission Start Date & Time	24.04.2020 at 11.00 a.m.
Prebid meeting (seeking clarifications) Date Time	To be intimated if required
Bid Submission End Date & Time	14.05.2020 at 12:00 noon
Bid Opening Date & Time (Cover-II)	16.05.2020 at 02.30 p.m.

In the event of any of the above mentioned date subsequently declared as a holiday / closed day for this office, the tenders will be opened on the next working day at the scheduled time.

The Bidder should clarify any doubt/query regarding Notice inviting e-Tender from the authorised representative of Durgapur Chemicals Ltd. in a meeting to the bidders. **The date time and venue of the meeting to be intimated to the bidders only after receiving responses.**

4. EVALUATION AND COMPARISON OF BIDS:

- i. On examination of documents submitted under different covers, DCL will evaluate and compare the bid, determined to be substantially responsive at each step.
- ii. Evaluation of bid will include and will take into account as follows:
  - a. DCL shall evaluate and compare only the bids determined to be substantially responsive.
  - b. The bids shall be evaluated on the basis of total price for the entire scope of work covered under this bid document and as appeared in the BOQ [www.wbtenders.gov.in](http://www.wbtenders.gov.in).
  - c. Evaluated bid-price of all bidders shall be compared among themselves to determine the lowest evaluated bid and as a result of this comparison, the lowest bid will be selected for award of contract.

## 5. PROCEDURE OF EVALUATION:

Evaluation of tenders shall be done in the following steps:

1. **Step-1 Techno-Commercial Evaluation for two-part bidding:**  
Only those bids meeting the requirements will be examined and assessed. The bidders will be intimated about the non-compliance of various techno commercial requirements and if allowed by the authority they may asked for the conforming compliance with the condition of bidding documents. The bidders shall require to comply all the conditions of bidding documents as mentioned in NIT. All the mentioned mandatory fields must be submitted as per mentioned format. If any bidder fails to submit any mandatory documents the bids of the said bidder shall be summarily rejected. For any clarification Bidders are requested to drop their requirement in [dclgdppurchase@rediffmail.com](mailto:dclgdppurchase@rediffmail.com) at least 2 days before the closing date of the tender.
2. **Step-2** After Techno-Commercial Evaluation only the successful bidder shall be entertained for the Price Bid (Cover-2) opening. After opening of the price bid committee will evaluate the financial packet and select the most suitable bidder to Award of Contract (AOC).
6. **Terms of Payment:** 50% payment along with applicable GST charge shall be payable by the Co.(DCL) within 30 days on receipt and acceptance of consignment (s) at our Durgapur Works, against GRN. 30% of the payment shall be made after erection and commissioning of the Transformer and balance 20% shall be released against PBG.
7. **LIQUIDATED DAMAGE:** The supplier will attract the penalty if they fail to deliver the material within stipulated time which is being negotiated with DCL and accepted by the awarded supplier. A letter of acceptance for the awarded PO must be given by the supplier to DCL.
8. **Validity of Offer:** Tenders shall remain open for acceptance for 60 Days from the date of opening of the Tender. No revision/ Modification in the Tender Rate will be allowed during the validity period of the Tender.
9. **Arbitration:** In the event of any dispute or any difference arisen in respect of the Scope of Work / Terms and Conditions herein contained in connection with the contract the same shall be referred to the award of an arbitrator as per provisions of The Arbitration and Conciliation Act, 1996 and amendment thereof.
10. **Jurisdiction:** Courts at Durgapur shall have Jurisdiction to decide or adjudicate upon any dispute which may arise out of or be in connection with the contract.

H.O.D. (Purchase & Stores)  
Durgapur Chemicals Limited

Copy to:

1. Notice board, Administrative building, Durgapur Chemicals Ltd., Durgapur – 713215.
2. Durgapur Chemicals Ltd. website – [www.durgachem.com](http://www.durgachem.com)

To be typed in the letter-head.

**ANNEXURE - I**

To  
The HOD (Purchase & Stores)  
Durgapur Chemicals Ltd.,  
Hahnemann Sarani, Durgapur,  
Pin – 713215, West Bengal.

Subject: **PROCUREMENT OF AUX DISTRIBUTION TRANSFORMER IN DURGAPUR CHEMICALS LIMITED.**

Sir,

- Reference: (i) Your e-tender reference no.:.....  
Dated .....
- (ii) Tender Fee: Bank Document Regarding transfer of money to  
ICICI gateway .....
- (iii) EMD: Bank Document Regarding transfer of money to  
ICICI gateway .....

I/We have also examined the requisite specifications and my/our offer is to provide the required service in accordance with the requisite scope of work.

I/We quote the rate exclusive of taxes & duties.

Date:

Yours faithfully,

Place:

(Signature and stamp of the Bidder)  
(State legal status, Whether Proprietorship.,

To be typed in the letter-head.

## **ANNEXURE - II**

### **TECHNICAL SPECIFICATION FOR 3 MVA POWER TRANSFORMER**

#### **SCOPE OF SPECIFICATION:-**

This specification is intended to cover design, manufacture, assembly testing at manufacturer's works, supply and delivery upto placement on plinth of three phase 50HZ, 33/11 KV Delta/Star, Vector Group DYn11, two windings copper wound outdoor type, oil immersed, naturally air cooled Power Transformer with off load tap changer for 3 MVA transformer as per detail furnished hereafter.

The transformer offered shall be completed with all parts and accessories which are necessary for their efficient and satisfactory operation. Such parts and accessories shall be deemed to be within the scope of this specification whether specifically mentioned or not. Main tank body may be delivered in unpacked condition, but delicate parts like indicating meter, radiator, conservator, Pressure Relief Valve, equalizer pipe, buchholz relay etc. Shall be packed to avoid damage due to transshipment.

#### **LOCATION:-**

The transformer shall be installed outdoor in Durgapur chemicals limited, Durgapur in West Bengal. The elevation of sites above mean sea level is not likely to exceed 1000 metre.

#### **SYSTEM DETAILS:-**

11 KV system is to be effectively earthed at neutral point of the star connected windings of the power transformer.

System voltage is subject to fluctuation of 10% of nominal voltage. Maximum system voltage for 33 KV and 11 KV system shall be taken as 36 KV & 12.0 KV respectively. The frequency for the purpose of this standard shall be 50HZ with tolerance of + 3 %.

#### **WEATHER CONDITION:-**

For the purpose of designing, the following condition shall be considered:

1. Elevation about Mean sea level: 1000 M.
2. Maximum Ambient Air Temperature: 50 0 C.
3. Relative Humidity: 100
4. Pollution level: Heavily polluted.

#### **APPLICABLE STANDARDS:-**

1. All applicable standards

#### **RATING AND GENERAL PARTICULARS:-**

**Type-** Core type, three phase, oil immersed, step down, two winding copper wound transformer for outdoor installation.

**Standard Rating-** Continuous with off circuit taps.

**Continuous Maximum Rating and Temperature rise:** As regards maximum rating and temperature rise, all transformers shall comply with the appropriate requirement of Indian Standards. For the purpose of consideration of maximum temperature rise of oil and winding, the following ambient temperatures are assumed.

Cooling medium: Air

Maximum Ambient Air temperature: 50<sup>0</sup>C.

Maximum daily average ambient Air temperature: 40<sup>0</sup>C.

Maximum yearly weighted average temperature: 32<sup>0</sup>C.

With the above ambient temperature condition allowable maximum temperature rise shall be as mentioned below:

Type of Cooling: ONAN

Maximum top oil temperature rise in °C.: 50

Maximum Winding/Core temperature rise in °C. : 55

**No load voltage Ratio:** The no load voltage Ratio corresponding to principal (normal) tapping shall be 33,000/11,000 Volts.

**Winding connections and Vector Group etc. :**

Number of phases: Three

Frequency: 50

Type of Cooling: ONAN

Winding connections:

The primary winding (HV) shall be connected in delta and secondary winding (LV) shall be connected in star.

Vector Group :

Windings shall be connected as per Vector symbol: DYn11

Neutral Earthing:

The neutral point of Secondary (LV) winding shall be brought out to a separate Insulated terminal and shall be solidly earthed.

**Off Load Tap Changer of the transformer:** Transformer should be equipped with off load tap changer.

**Impedance Value:** The percentage impedance at 75 °C & 50 Hz refer to the (normal) principal Tapping shall be as follows.

Sl no.	Rating	Voltage ratio	% of impedance
1.	3 MVA	33/11kV	6.25

The impedance value refers to the (normal) principal tapping are subject to a tolerance  $\pm 10\%$ .

**Losses:** Standard losses will be as follows:

Sl no.	Rating	Voltage ratio	% of impedance	No load loss (KW) @50 Hz	No load loss (KW) @ 75 °C
1.	3 MVA	33/11 kV	6.25		

**Terminals:** Transformer shall be provided with bushing insulators on both H.V and L.V. sides. H.V and bushings shall be located on opposite side.

The electrical characteristics of bushing insulator shall be in accordance with IS; 2099. Dimensions and type of bushing shall conform to IS: 3347.

**SHORT CIRCUIT LEVEL :** Designed Maximum fault level of 33 KV and 11KV are 20KA and 18.4KA respectively.

**INSULATING OIL :**The Transformer and all associated oil filled Equipment shall be supplied complete with insulating new oil required for first filling including 5% extra oil for future use during commissioning. The Transformer tank shall be dispatched completely filled with oil and the balance oil shall be supplied in non-returnable sealed drums along with the Transformers.

The Insulating oil shall conform to the requirement of IS: 335.

**CENTRE OF GRAVITY :** The centre of gravity of the assembled transformer shall be low and as near the vertical centre line as possible. The transformer shall be stable with or without oil. If the centre of gravity is eccentric relative to track either with or without oil, its location shall be shown.

**TESTING AND INSPECTION :**

All applicable tests.

**INSPECTION AND TESTING:**

Inspection and testing as already mentioned the equipment shall be subjected to routine and other acceptance tests as per provisions in the relevant I.S. The DCL reserves the right to send its Engineers if so desires to witness manufacturing process and to reject either raw materials or finished products found to be not complying with the requirement of the specification and also shall have the right to select any/all equipment from the lot offered for tests .The manufacturer shall give at least (21) twenty one days" advance notice regarding readiness of such inspection and testing and shall submit the works test certificates of the materials/equipment offered for inspection and testing indicating probable date of inspection and testing. The Supplier shall arrange all possible facilities for such inspection and testing at any time during the course of manufacture free of cost.

To be typed in the letter-head.

**ANNEXURE –III**

**ELIGIBILITY CRITERIA FOR TECHNICAL/QUALIFYING BIDS:**

- I) The Bidder/Manufacturer must have Manufacturing License, GST registration and PAN Number and self-attested copies of these registration certificates should be attached to the Bid document.
- II) The Bidder/Manufacturer must have annual turnover of minimum Rupees 25 Crore each for similar contracts for any of the three Financial Years. Copies of Profit and Loss A/c, Balance Sheet and Income Tax Returns (ITRs) duly attested by Chartered Accountant should be attached with the Bid document.
- III) The Bidder/supplier should not have been blacklisted by any Govt./Semi Govt. organization/P.S.U. for similar work in the past. An undertaking to this effect must be submitted along with the qualifying bid as per **Annexure VI**.
- IV) The Bidder/ supplier shall satisfy all the conditions mentioned in detailed e-tender notice.

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To be typed in the letter-head.

**ANNEXURE -IV**

**TECHNICAL/QUALIFYING BID FORM FOR E-TENDER**

1	NAME OF THE BIDDER/MANUFACTURER	
2	IF FIRM IS HOLDING THE STATUS OF MSME & SSI. THEN RELAVENT DOCUMENTS TO BE ATTACHED	
3	TYPE OF ENTITY-PROPRIETORSHIP FIRM/ PARTNERSHIP FIRM/OR PVT.OR PUB LTD. COMPANY	
4	ADDRESS OF COMPANY/FIRM	
5	TEL NO./FAX NO./MOBILE NO.	
6	NAME OF THE CONTACT PERSON & EMAIL ID	
7	TEL.NO./MOBILE NO. OF CONTACT PERSON	
8	TENDER FEE DETAILS @ Rs. _____/-	NOT APPLICABLE
9	EMD DETAILS @ Rs. _____/-	BANK DOCUMENTS: _____/Date:
10	<b>LEGAL CERTIFICATES TO BE ENCLOSED AND DETAILS IN THIS REGARD TO BE PROVIDED</b>	
	PAN CARD	
	GST REGISTRATION NO., GSTIN, HSN CODE	
11	ANNUAL TURNOVER OF FOUR FINANCIAL YEARS ALONG WITH COPY OF PROFIT & LOSS A/C, BLANCE SHEET AND INCOME TAX RETURNS OF SAID YEARS TO BE ENCLOSED	
12	WHETHER ANY EMPLOYEE OF DURGAPUR CHEMICALS LTD. ON YOUR BOARD OR SHARE HOLDER IN CONTRACTORS'S ENTITY/FIRM	YES/NO. If please provide details
13	HAS ANY OF YOUR DIRECTOR/ PARTNER/ ENTREPRENEUR EVER BEEN CONVICTED UNDER ANY LAW	YES/NO. If please provide details
14	HAS YOUR FIRM/COMPANY EVER BEEN BLACK LISTED AT ANY TIME IN THE PAST BY ANY ORGANIZATION. (Even if answer is NO, A SEPARATE <b>undertaking as per Annexure – VII</b> MUST be submitted along with the qualifying bid.)	YES/NO. If please provide details
15	ANY OTHER INFORMATION CONTRACTOR MAY LIKE TO FURNISH (MAY BE FURNISHED IN SEPARASTE ENCLOSURE)	

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To be typed in the letter-head.

ANNEXURE -V

TERMS AND CONDITIONS

- i. The rate should be quoted after consider all aspects of the NIT and upload the same in the BOQ format.
- ii. The bidder/manufacturer is required to submit the complete Quotations only after reading each and every laid down condition.
- iii. The bidder/manufacturer must comply with all the terms and conditions of the contract.
- iv. Durgapur Chemicals Ltd. reserves the right to terminate the contract without assigning any reason to the contractor/bidder.
- v. Durgapur Chemicals Ltd. reserves the right to accept any bid other than the lowest or even rejecting all the bids without assigning any reasons thereof.
- vi. The Bids would be approved by the competent authority subsequent to compliance and also that it can be rejected without assigning any reason.
- vii. **Payment terms:** 50% payment along with applicable GST charge shall be payable by the Co.(DCL) after 30 days on receipt and acceptance of consignment (s) at our Durgapur Works, against GRN. 30% after erection & commissioning and balance 20% will be released against PBG.
- viii. **Price:** Prices have to be quoted on **FOR-DCL Stores**, Durgapur Basis. The prices should remain firm during the period of contract unless specifically agreed to and provided in the contract.
- ix. **Delivery:** The delivery of the material (Transformer) should be made within 60 days from the placement of Purchase Order. Time of delivery as mentioned on the Purchase Order shall be the essence of the contract and no variation shall be permitted except with prior authorization in writing from the Co(DCL). Goods should be delivered in good order and condition at DCL Works at your own risk and scope at Durgapur within the time specified in the Purchase Order. The arrangement of unloading and supervision during unloading must be arranged by you. Otherwise the company will have the option to cancel the whole or any part of the contract and or purchase the material from alternative source at the risk, responsibility and cost of the supplier.
- x. **Consignee:** HOD (Purchase & Stores), Durgapur Chemicals Limited, Durgapur-713215. West Bengal.
- xi. **Invoicing:** Final Tax invoice in triplicate should be sent to HOD (Purchase & Stores), Durgapur Chemicals Limited, Durgapur-713215. West Bengal.
- xii. **Paying Authority:** HOD (A&T), Durgapur Chemicals Limited, Durgapur-713215. West Bengal.
- xiii. **Award of Contract:** The company reserves the right:
  - (I) To accept at its sole and un-fettered discretion, any tender or whole or part or reject any or all tenders without assigning any reasons thereof.
  - (II) To award the contract to one or more number of firms either at equal price or at equal prices.
  - (III) The company does not bind to accept the lowest tender or assign any reason for non-acceptance of the same.

- xiv. **Validity of Offers:** Tenders shall remain open for acceptance for 90 Days from the date of opening of the Tender. No revision/ Modification in the Tender Rate will be allowed during the validity period of the Tender.
  
- xv. **Arbitration:** In the event of any dispute or any difference arisen in respect of the meaning and scope, Terms and Conditions herein contained in connection with the contract the same shall be referred to the award of an arbitrator to be nominated by the Co.(DCL) as sole arbitrator. The award of the sole arbitrator shall be final and conclusive according to the provisions of The Arbitration and Conciliation Act, 1996 and the rules there under and any statutory modifications thereof shall be deemed to apply and to be incorporated in this contract.
  
- xvi. **Jurisdictions:** Courts at Kolkata/Durgapur shall have Jurisdiction to decide or adjudicate upon any dispute which may arise out of or be in connection with the contract.

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