

BOKARO POWER SUPPLY CO. (P) LTD.

**HALL NO:- M-01, OLD ADMINISTRATIVE BUILDING,
ISPAT BHAVAN, BOKARO STEEL CITY – 827001**

**Reg. Office : Ispat Bhawan, Lodhi Road, New Delhi – 110 003
CIN:U40300DL2001PTC112074**

TENDER NOTICE NO. BPSCL/MM/21-22/PUR-072/NIT-1054/2725

Dated 09.10.2021



TENDER DOCUMENT

SUBJECT: Procurement of HT Motors.

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Bokaro Power Supply Co. (P) Ltd.

(A Joint Venture of SAIL & DVC)

Hall No: - M-01, Old Administrative Building,

Ispat Bhavan, Bokaro Steel City – 827001

Reg. Office : Ispat Bhawan, Lodhi Road, New Delhi – 110 003

CIN:U40300DL2001PTC112074

NOTICE INVITING TENDER

NIT No.: BPSCL/MM/21-22/PUR-072/NIT-1054/2725

Date: 09.10.2021

For and on behalf of BOKARO POWER SUPPLY COMPANY (P) LTD, sealed tenders in two parts, **Part - A** : EMD and **Part- B** : Technical & Commercial Offer with copy of system generated acknowledgement-slip for online submission of sealed price are invited from the bidders meeting the qualification criteria stipulated in the bidding documents for supply of following items:

Item	Procurement of HT Motors.
Earnest Money (in Indian Rs.)	Nil In lieu of EMD, the bidder shall submit either Bid Securing Declaration as per clause 1 (a) of General Terms & conditions. OR Document for Exemption as per clause 1 (b) of General Terms & conditions.
Last date & time for submission of tender	12.11.2021 up to 12: 00 Hours
Bid Opening date & time	12.11.2021 at 12:15 PM

Qualifying Requirements: -

- The bidder should have minimum average annual turnover (MAT) of **Rs. 14.71 Lakhs** only.
 - Average annual turnover shall be determined taking into consideration turnover of preceding three (03) consecutive financial years. Other income shall not be considered for arriving at annual turnover.
 - Audited annual account along with auditor's report of the bidder should be furnished in support of the same. Where audited account is not mandatory as per the law, the bidder has to submit annual financial turnover during the consecutive last three (03) years ending 31st March of the previous financial year duly certified by CA.
- The bidder shall have requisite experience of manufacturing & supplying of VPI (Vacuum Pressure Impregnation) HT Motors in India to any Public Sector Undertaking/Government/Semi Government Organization or joint venture thereof / Company registered under Companies Act.
- The bidder is required to submit self-attested photocopies of documents (Orders, completion certificate etc.) in support of their eligibility and experience. In addition, bidder shall submit an affidavit in enclosed format (Annexure-III) declaring that the documents submitted by them are genuine.
- The bidder shall furnish latest **IT return** and **GSTIN**. The bidder shall also submit acceptance to Terms & Conditions of Reverse Auction in the format attached at **Annexure – IV**.

General Terms & Conditions:

i) Earnest Money:

- In lieu of EMD, Bidders shall have the option of submitting a Bid Securing Declaration accepting that if they withdraw / modify their Bids during the period of validity without assigning any valid reason for the same or refuse to submit Performance Security / Performance Guarantee as per the relevant Clause of this tender enquiry or refuse to accept the price quoted by them in Online Price Bid / Reverse Auction within the period of validity of the same or refuse to sign the Contract Agreement upon emerging as the successful bidder, they will be suspended for a period of one year from being eligible to submit bids against tender enquiries of BPSCL. A Format of Bid Securing Declaration is provided at **Annexure - II**.
- Micro & Small Enterprises (MSEs) / PSU /Govt. Undertakings and Co-operative societies will be exempted from submission of Earnest Money as per government policy. For MSEs, the exemption from submitting Earnest Money will be granted only on submission of valid copy of Udyam Registration Certificate. SSI/NSIC certificate holders should also submit Udyam Registration Certificate. Further, unit claiming exemption is required to submit copy of Udyam registration certificate clearly indicating the item category for which they are registered.

Note: Offers not accompanied with Bid Securing Declaration (*as per clause a*) or documents for exemption (*as per clause b*) will be treated as INVALID.

- ii) Consortium bids will not be considered unless the provision for consortium is specifically mentioned in Tender Document.
 - iii) If you withdraw your bid after opening of bids without giving any satisfactory and acceptable explanation thereof, you shall be debarred from participating in any tender of BPSCL for a minimum period of 01 (one) year.
 - iv) You should quote your firm rates and no negotiations will be held except with the lowest bidder, if required.
 - v) **RATE FINALIZATION**: BPSCL reserves the right to finalize the rate through either of the following modes:
 - a. Opening of Online Price (*submitted on www.buyjunction.in*) submitted at the time of techno-commercial bid.
 - b. Through Reverse Auction to be conducted by our service provider **M/s. mjunction**.
- Note:** BPSCL may ask techno-commercially accepted bidders to submit decrement in percentage (%) on their online price submitted at the time of techno-commercial bid. On line price bid alongwith % decrement shall be considered together in case online price bid is opened.
- vi) **BPSCL reserves the right to :**
 - a) Re-tender / extend the due date of submission of offer.
 - b) Accept or reject any offer / all offers in full or part at any time at any stage without assigning any reasons—and without any compensation thereof to the bidders.
 - c) Modify the tender documents at any stage before the due date of tender.

Note:

1. Tender documents are to be downloaded from **Website: www.bpscl.com** only.
2. Bidders are requested to visit above website regularly for any addendum / corrigendum / extension till opening of the NIT. **Any such changes shall not be published through Press advt.**

For and on behalf of
Bokaro Power Supply Company (P) Limited

(A.K. Das)
Chief General Manager (MM)
Tel: 8986874119
Email: purchase.bpscl@gmail.com

CONDITIONS & RULES TO BE OBSERVED IN SUBMITTING TENDERS

1.01 Manner of Submission of the Tender

The tender shall be divided into 02 parts as follows:-

- a) **Part A:** This part shall comprise of Bid securing Declaration/ Exemption document.
- b) **Part B:** This part shall comprise of Technical and Commercial details, consent on terms & conditions of NIT/ signed Tender Document along with copy of **SYSTEM GENERATED ACKNOWLEDGEMENT-SLIP FOR ONLINE SUBMISSION OF SEALED PRICE*** bid etc.

Sealed Tender *through Regd. Post/Speed Post/In-person/Courier Service* only, in an envelope containing 02 (Two) separate sealed envelopes (*as mentioned above*) with NIT No. & date of opening along with Sender's Name & Address printed on it, is to be sent to the below mentioned address:

Chief General Manager (MM)
Bokaro Power Supply Co. (P) Ltd.
Hall No.M-01, Old ADM Building
Ispat Bhawan, Bokaro Steel City – 827001
Ph: 06452 240380, Mob: 8986874119

*** PROCESS FOR ONLINE SUBMISSION OF SEALED PRICE:**

1. Online sealed Price Bid (**Landed Cost per unit Excluding GST**), through URL: **<http://www.buyjunction.in>**.

The process of submission of Online Price bid is as detailed hereunder-

Step 1: Type **<http://www.buyjunction.in>** in the internet explorer.

Step 2: Click on Login (present on Top right side of the Page)

Step 3: Click on **View Live Auctions and Tenders**.

Step 4: In the right side open/ global tenders link will be displayed.

Step 5: Click on the link for the above mentioned tender link present under Open tenders

Step 6: Click on new user if you are not registered in buyjunction earlier. Click on Existing user in-case you have already registered in buyjunction earlier. Existing users can login with their user id and password.

Please note foreign bidders are required to select their bidding currency from the drop down menu available before proceeding further (where ever applicable).

New Users:

Steps to get your **User ID** and **Password**

1. Click on the required tender link under “**Open Tenders**”
2. Choose your Auction currency in-case any option is coming to select currency. Click on “**New User**”
3. Fill up the “**Registration Form**” and click on “**Submit**”. All fields marked with (*) are mandatory fields.
4. On submitting the filled-up registration form, an auto generated email will be sent to the email address you have mentioned in the registration form containing your User ID and Password.
5. Changing of password on first login is compulsory.
6. On receipt of the User ID and Password you become an **Existing User**. Now follow the steps of existing user to login to the auction site.

Existing Users

1. Click on the required tender link under “**Open Tender**”
2. Click on “**Existing User**”.
3. Log in with your existing user id and password for placing your bid.
4. Read through the “**Bidding Procedure**” to proceed further for bidding.

Bidding Procedure

After logging in with your user id and password you have to accept the “**Auction Terms**”.

Steps to accept the “Auction terms”:

1. Click on “**Auction Terms**”.
2. Then click on “**View term without DSC**”
3. Click on the relevant auction terms appearing under “**Term**” column.
4. Select the check box on the left-side of the relevant auction terms.
5. Click on the button besides “**Accept**”.
6. Then click on “**Submit**”.
7. A message will be displayed to you mentioning your acceptance to terms for auction.
8. It is mandatory to accept the terms of online bidding in order to proceed for submission of bid.

Steps to Submit Price Bid

1. Click on “**Bids.**”
2. Then click on “**Live Auction.**”
3. Put your login password as transaction password
4. Select the auction id and click on add to watch list.
5. Now the bidding screen is visible.

6a. For Template Bidding

1. Click on **Icon “T”** on left column of bidding screen (Which will appear separately **for each lot**).
2. A template form will open where you need to fill up the price & click on evaluate at the bottom
3. If you want to quote the evaluated price then click on “**confirm**”.
4. After clicking on the confirm button of the template window, your price will appear in the “**New Bid**” box.

6b. For Non-Template Bidding

1. Fill your Price in the “**New Bid Box**” visible on the bidding screen.
2. Select the check box at the extreme left of the bidding screen
3. Click on “**Submit**” button placed at the bottom left of the screen.
4. Bid once placed will have to be honoured.
5. You will see “**Bid Accepted**” in the “**Result**” column. This indicates that your bid is accepted and registered in the system.

Steps to take a print-out of the receipt

1. Once you have placed your bid, to download Bid Receipt, kindly click on “**Download**”.
2. Then click on “**Bid Receipt for Open Tender**”.
3. Select the auction to generate receipt.
4. Take print out of the same market-wise (Term List) / item-wise (Auction list).

Note: For any clarification on the bidding process please contact

Mr. Anjan Buda - 9163348263 - anjan.buda1@mjunction.in

Ms. Debalina Maity - 8336991451 - maity.debalina@mjunction.in

Ms. Bingyasini Pradhan - 9163348173 – pradhan.bingyasini@mjunction.in

Ms. Priyanka Mazumdar - mazumdar.priyanka@mjunction.in

Mr. Mukesh Kumar Singh- 8873002741 – mukesh.singh@mjunction.in - for Bokaro Office

A copy of System generated acknowledgement-slip for Online submission of sealed price bid is to be submitted along with Techno-commercial Bid.

1.02 Tender Validity Period

Validity of the offer shall be **Four (04) months** from the bid opening date. In case of extension of "Bid submission & Opening Date", the validity will be counted from the extended bid opening date.

1.03 General Instructions:

- i) You shall clearly indicate that your prices shall remain firm in all respects till execution of the order.
- ii) Specification, quantity, unit rate, freight, insurance, packaging, forwarding, taxes etc. should be mentioned separately and clearly.
- iii) Any conditional offer or offer having deviations is liable to be rejected.
- iv) Where agent commission is involved the same is to be indicated in percentage.

- v) You have to submit Tender Document bearing your signature and seal on all the pages along with Techno-commercial offer / Consent on NIT's Terms & Conditions. Otherwise, it will be presumed that you do not accept our terms and conditions and this may lead to rejection of offer forfeiting your claims if any.
- You are advised to mention page no. on each page of documents submitted by you. BPSCL shall not bear any responsibility in case of any loss of documents submitted by you during tender opening or thereafter.
- vi) If you are a Firm or Company, then you shall, in the forwarding letter, mention the number and names of all the partners & shall sign before submitting the same, unless the Power of Attorney holder has specifically been authorized in this respect.
- vii) The tender rates shall be written in English, both in words and figures. In case of any discrepancy between the words & figures of the rates quoted, the rates expressed in words shall be taken as correct. In case of discrepancy in the Unit Rate and Amount, Unit Rate will govern.
- viii) Price or any indication of price shall **NOT** be mentioned in the Techno-Commercial Bid.
- ix) The sealed tenders received will be opened on scheduled opening date and time in the office of Material Management, in presence of such bidders who might choose to witness the same
- x) In case the date of tender opening happens to be holiday, the tender will be opened on the next working day at the same time.
- xi) Communication regarding date of opening of Price-Bid to the techno-commercially eligible bidders will be sent only to their e-mail address given in tender documents.
- xii) Offers from two or more bidders shall summarily be rejected if they have any of the following parameters common:
- a) Same PAN
 - b) Same GST Number
 - c) Same Postal address
 - d) Same E-mail ID
 - e) Same Mobile number
 - f) Same person signing in more than one offer/representing more than one bidder.
- xiii) BPSCL reserves the right either to reject any/all the tenders without assigning any reason thereof.

2.00 GENERAL TERMS AND CONDITIONS

- 2.01 BPSCL reserves the right to ask for original documents for verification at any time during tendering, evaluation and / or the execution of the contract. In case any documents / information submitted by you is / are found to be false or containing any misrepresentation or having any fraudulent declaration in it, then, in such eventuality, legal action (including cancellation of contract, banning of business dealing, criminal proceedings etc.) as deemed fit may be initiated by BPSCL against you.
- 2.02 **Packing :**
- a) **Responsibility for proper packing** – You shall be responsible for the materials being sufficiently and properly packed, for transport by rail / road / sea / air / any combination of above, so as to ensure their being free from loss or damage on arrival at the destination.
- b) **Marking of Packages, Packing, etc.** - Each package delivered under the contract shall bear the following:-
- Name of the Supplier
 - Contract/Order Number
 - Consignee's name and address
 - Description and quantity of contents
 - Gross weight, net weight,
 - Distinctive number or mark which is also to be shown, for the purpose of identification, on the Supplier's packing list.
 - Catalogue Number
- 2.03 **Delivery:** Timely delivery is the essence of the contract & must be completed as per the dates specified therein.
- 2.04 **Liquidated Damages:** In the event of supply not being effected within the contractual delivery schedule given in the order, excluding the time taken by BPSCL in approval of the drawings submitted by you, liquidated damages @ ½ % of the value of delayed materials for each week of delay and part thereof, subject to a maximum of 05% of the total order value shall be recovered from you. The deduction of such damages shall not relieve you from the contractual obligations to complete the supply as stipulated in the Contract.
- 2.05 **Risk Purchase:** If you fail to deliver the material either in full or in part, within the prescribed delivery period, BPSCL shall be entitled at its option to take alternate procurement action, at your risk & cost for the unsupplied portion of the goods / items for which delivery period has expired.
- 2.06 You must mention applicable GST rate in your offer with compliance of following GST clauses:
- a) You shall have to quote GST as extra. If not mentioned, same will be considered as EXTRA.
- b) You shall have to pass on the tax benefit/savings, if any, on account of output taxes to BPSCL.
- c) You shall agree to do all things not limited to providing GST invoices or other documentation as per GST Law relating to the above Services, payment of taxes, timely filing of valid statutory returns for the tax period on the Goods and Service Tax Portal etc. that may be necessary to match the invoice on GSTN common portal and enable BPSCL to claim input tax credit in relation to any GST payable under this agreement or in respect of any part under this agreement.
- d) In case the Input Tax Credit of GST is denied or demand is recovered from BPSCL on account of any non-compliance by you, including non-payment of GST charged and recovered, you shall indemnify BPSCL in respect of all claims of tax, penalty and/or interest, loss, damage, costs, expenses and liability that may arise due to such non-compliance. Further, in case of any differential tax liability on account of any wrong classification/valuation etc. by you, BPSCL will not be liable to reimburse any part of such differential tax, interest, penalty etc. It will be your sole responsibility to discharge appropriate taxes, as applicable.
- e) You shall have to maintain high GST compliance rating track record at any given point of time.
- 2.07 **Bank Details:** Bank details mentioning Account number, Bank name, City, Branch name and Branch code should be mentioned in the offer for NEFT / RTGS payment.
- 2.08 **Paying authority – In-charge (F&A), BPSCL.** Bill in triplicate duly receipted on the revenue stamp with a copy of TC & Packing list etc. are to be submitted to In-Charge (F&A), Bokaro Power Supply Company (P) Limited for processing of the same.

- 2.09 **Inspection:** Acceptance of material is subject to inspection. Final Inspection will be done at BPSCL Stores after receipt of material.
- 2.10 **FORCE MAJEURE:** You shall not be considered in default if delay occurs due to reason beyond your control such as acts of God, natural calamities, civil wars, fire, strike, frost, floods, riot and acts of unsurpassed power. Only those causes which have duration of more than seven days shall be considered in force majeure clause. In the event of delay due to such clause the delivery period will be extended for a length of time equal to the period of force majeure at the option of BPSCL. Order may be cancelled without any liability what so ever on the part of BPSCL.
- 2.11 **Banning of Business Dealings:** On arising of any situation or occurrence of any event as mentioned in Clause 6 of the Guidelines on Banning of Business Dealings, you shall be liable for action under and in accordance with the aforementioned Guidelines. The “Guidelines on Banning of Business Dealings” shall form part of the Tender/Contract and can be viewed on our website www.bpscl.com.
- 2.12 **Security Deposit:** In case Purchase order is placed upon you, you shall have to deposit Security Deposit at the rates mentioned below for satisfactory execution of the order:

Sl. No.	Purchase order value (Excluding GST)	Amount of Security Deposit
i.	Up to Rs. 100 Lakh	03% of Purchase order value.
ii.	Over Rs. 100 Lakhs to Rs. 500 Lakhs	02% of P.O. value, subject to minimum of Rs. 3,00,000.00.

The Security Deposit shall be in the form of **Bank draft / Bankers Cheque / Bank Guarantee** (as per BPSCL format available at bpscl.com) having validity up to guarantee period of the item to be supplied plus three (03) months of claim period. **Bank Draft / Bankers Cheque** shall be in favor of Bokaro Power Supply Company (P) Ltd. payable at Bokaro Steel City.

The expression “satisfactory execution of the order,” shall mean fulfillment of all obligations arising out of and in connection with the purchase order. In case of default in satisfactory execution of the order the security deposit shall be forfeited. Amount of penalty and/or Liquidated Damages imposed (if any) will be recovered from Bill / Security Deposit. If the amount of Bill / Security Deposit is not sufficient, you shall be required to pay the balance amount to BPSCL. If you do not pay the balance amount, the same shall be deducted from any sum or sums which may be due or may become due to you from BPSCL on any account whatsoever.

In case of forfeiture of Security Deposit, you shall be required to reimburse the applicable GST to BPSCL.

3.0 TECHNO-COMMERCIAL TERMS & CONDITION:**3.1 Description of Material:**

Sl. No.	ITEM DESCRIPTION	QUANTITY
1.	<p>Cat. No.: 72000018200 HT Motor 6.6 KV \pm 10%, 300KW, 3\emptyset, SCIM, 4 Pole, 50 Hz \pm 5%, F.L.C.- 33.5, RPM- 1488, Frame - 560, Pf - 0.80, Bi-Directional, Protection - IP55, Mounting – B3, Duty – S1, Phase Connection - Star, Insulation Class - F (VPI), both side PSTB, antifriction type bearing, Enclosure: TETV, Application - Mill Fan. As a one to one replacement of the existing 300 kW, Frame – DAZO-12-4T (USSR), TS-560 (ALSTOM) & AVMW 560M4 (NGEF) Make Mill Fan Motor. Detail technical specifications of existing motor, GA Drg. No. (BPSCL-MF300–0001), & Torque Vs Speed Characteristics Curve attached herewith.</p>	01 Number
2.	<p>Cat. No.: 72000022600 3 Phase, 50 Hz, 240 kW, , 6.6 kV \pm 10%, F.L.C.- 29A, RPM – 740, Mounting – B3, Duty – S1, Insulation - Class F (VPI Insulation) Power Factor - 0.83, Phase Connection - Star, Bi-Directional, Protection - IP55, Dredge Pump Motor with anti-friction support bearings, Enclosure: TETV, Application – Pump. As a one to one replacement of the existing 240 kW, Frame – ILA7-560-8T, Siemens Make Dredge Pump Motor. Detail technical specifications of existing motor, GA Drg. (BPSCL-DPM240-0001) & Torque Vs Speed Characteristics Curve attached herewith.</p>	01 Number

3.2 Special Terms and Conditions:

1. The foundation frame size of new 6.6kV motor must exactly match with that of the foundation frame size of existing motor.
2. The successful bidder will manufacture, transport & supply the new motor.
3. The broad technicalities of the subject motor (existing) are given in the specification sheet attached herewith, but technical details and the relevant drawings like GA etc. of the subject motor is all to be worked out by the bidder & get them duly approved by BPSCL before its actual manufacturing.
4. Before starting manufacture of the motor, the supplier will have to submit authenticated copies of following documents & get them approved by BPSCL:
 - i. Motor Data Sheet;
 - ii. Torque Vs speed Curve;
 - iii. Thermal withstand Curve;
 - iv. Current Vs Time Curve;
 - v. GA drawing & other dimensional drawings;
 - vi. Neutral point TB drawing;
 - vii. Assembly drawing of PSTB;
 - viii. Sectional assembly for RTD/BTD arrangement drawing;
 - ix. Heater TB assembly & connection diagram, etc.
5. The bidder is allowed to visit the site for knowing the technicalities & actual operating condition of the motor.

3.3 The Commercial Bid should confirm / indicate the following:

1.	Price	To confirm 'Firm price for the duration of the Contract'.
2.	Delivery Term	FOR BPSCL Stores, B. S. City.
3.	Packing & Forwarding Charges	Extra/Inclusive (Applicable amount to be mentioned in percentage or amount)
4.	Freight Charges	Extra/Inclusive (Applicable amount to be mentioned in percentage or amount)
5.	Transit Insurance	To be arranged and borne by Supplier
6.	GST Registration	To indicate GST Registration Number
7.	GST	Extra- <i>Applicable rate to be mentioned</i> HSN/ SAC- <i>to be mentioned</i>
8.	Payment Term	i. 90% against GRN (after inspection at site). ii. Balance 10% will be released after successful installation, testing, commissioning of the motor at site within three (03) months from the GRN date. If installation, testing, commissioning is not done within three (03) months due to reasons attributable to BPSCL, then balance payment will be released after three (03) months from date of GRN.
9.	Delivery Period	i. Supplier has to submit GA drawings, Technical Data Sheets, etc. within one (01) month from the date of issue of purchase order for approval of BPSCL. ii. Delivery of the motors should be within nine (09) months from date of approval of drawings & data sheets.
10.	Guarantee Clause	A guarantee covering manufacturing defects should be provided for trouble-free operation of the motor & their spares for a period of twelve (12) months (or more) from date of commissioning or eighteen (18) months (or more) from date of supply whichever is earlier. In case of any manufacturing defects discovered within the guarantee period of normal operation, the same are to be rectified or replaced by the bidder at no extra cost.
11.	Inspection	Final inspection will be done at BPSCL stores after receipt of material.
12.	Security Deposit	To confirm as per relevant Clause of NIT
13.	LD Clause	To confirm as per relevant Clause of NIT
14.	Risk Purchase Clause	To confirm as per relevant Clause of NIT
15.	Validity Period	To confirm as per relevant Clause of NIT

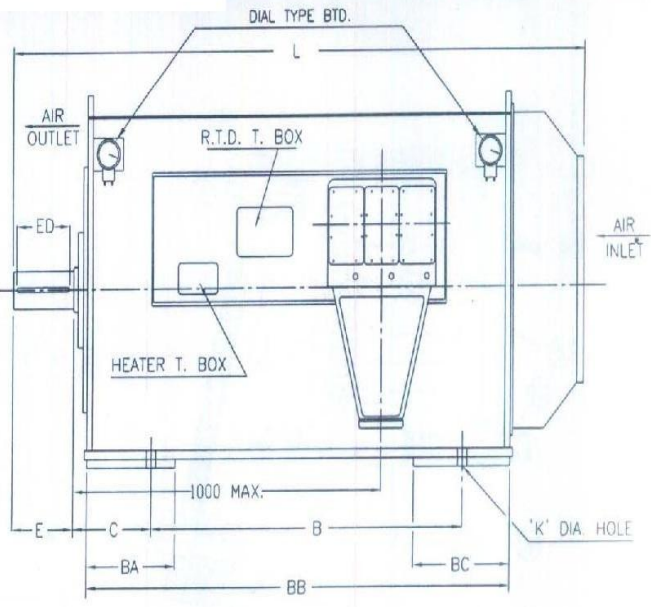
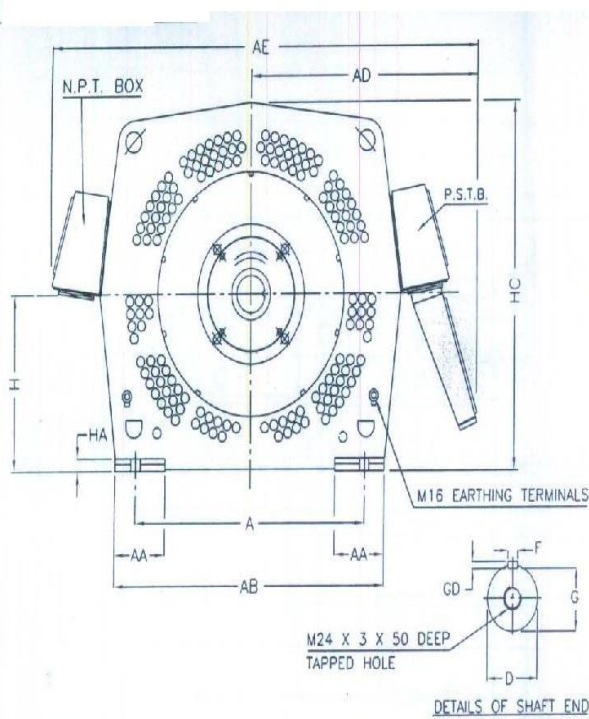
4.0 PRICE BID / RA FORMAT:**Special Instruction –**

1. *In the event of the L1 Bidder backing out prior to placement of order, EMD will be forfeited and L1 bidder shall be suspended for a period of one (01) year from the date of issue of suspension order*
2. *Breakup of quoted LC (**Landed Cost**) shall be submitted by the L1 bidder. In case of refusal of L1 bidder to submit price break up, EMD will be forfeited and L1 bidder shall be suspended for a period of one (01) year from the date of issue of suspension order.*
3. **Price Basis – Rs. per No. on Landed Cost (LC) basis excluding GST [for each item separately].**

Price Break Up		
Sl. No.		Amount per No. (Rs.)
1.	Basic Price	
2.	Packing & Forwarding	
3.	Freight	
4.	Transit Insurance	
5.	Any other tax or charges	
LANDED COST (1+2+3+4+5)		

Note: GST Extra

ALL DIMENSIONS ARE IN mm.



DIRECTION OF ROTATION :- BI-DIRECTIONAL.

FRAME	A	B	C	K	BB	BA	BC	AB	AA	HA	H	HC	AD	AE	D		E	ED	F	G	L	
											TOL.-1	MAX.	MAX.	MAX.	NOM.	TOL.	TOL.-0.02	TOL.-.2	MAX.			
TS560	940	1050	209	40	1420	260	420	1170	220	44	560	1250	1150	2100	110	^{+0.26} _{+0.003}	210	190	32	18	99	2100

TS560; 300KW; 4 POLE; 6600 VOLTS ±10%, 50Hz ±5% TETV H.T. MOTOR WITH P.S.T.B.; NPT BOX; 2 NOS. SPACE HEATER; 2 NOS. DIAL BTD & 6 NOS. RTD.

ENCL.- IP55 (TETV)
MOTOR WT. - 4200KG. (APPX.)

- NOTE:-**
1. MOTOR WT. - 4200KG. (APPX.)
 2. RTD - PL.100 SIMPLEX TYPE, 6 NOS.
 3. BTD - DIAL TYPE, 2 NOS.
 4. SPACE HEATER - 2 x 400 WATTS, 240 V, 50 Hz, 1 Ph.

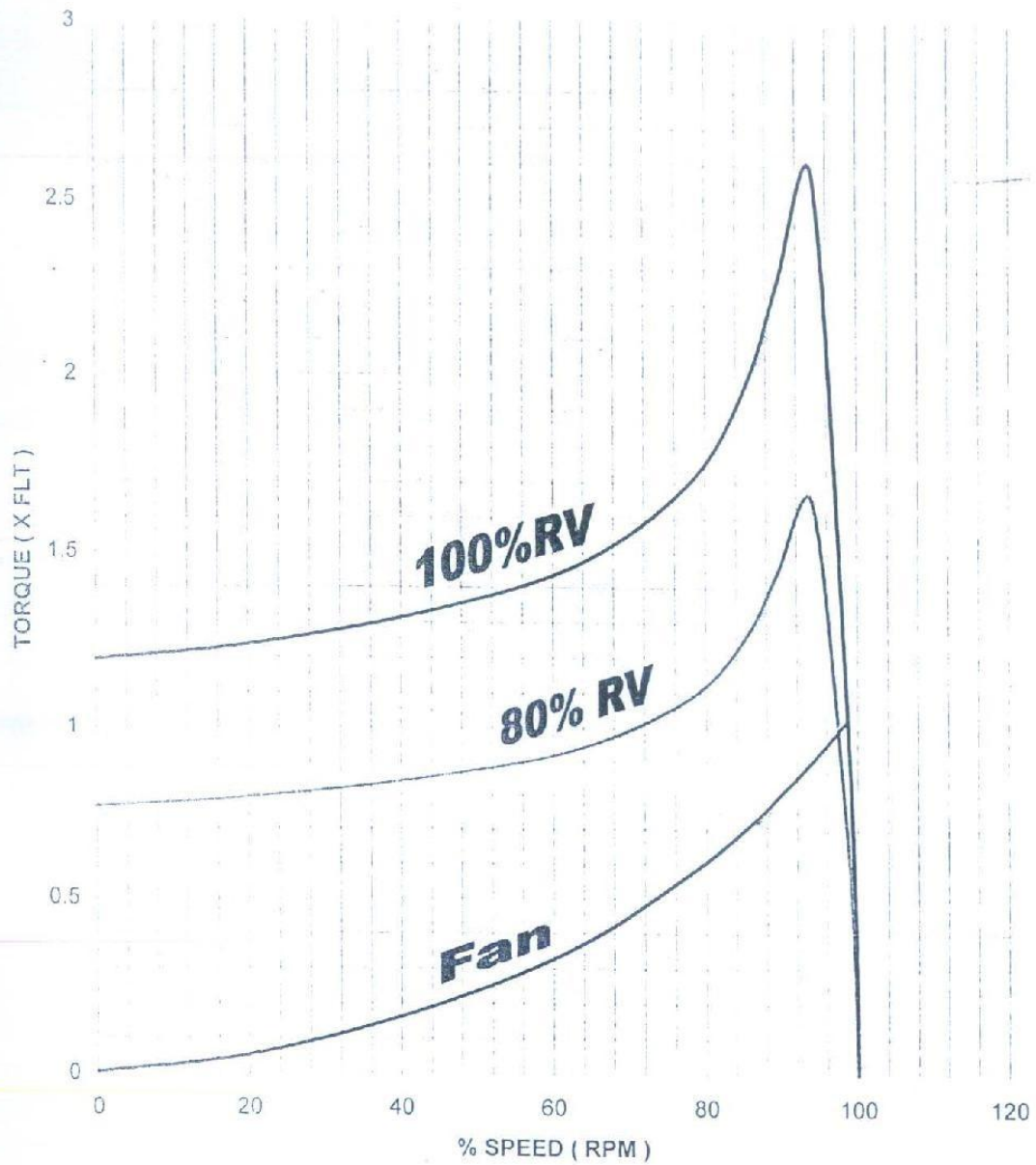
Bokaro Power Supply Co. (P) Limited

GA of 6.6 KV, 1488 RPM, 300 KW

Mill Fan Motor

Drg. No. BPSCL- MF 300 - 0001

TORQUE Vs. SPEED CHARACTERISTIC CURVE
300 KW, 4 POLE, 6600 V, TS560 MOTOR

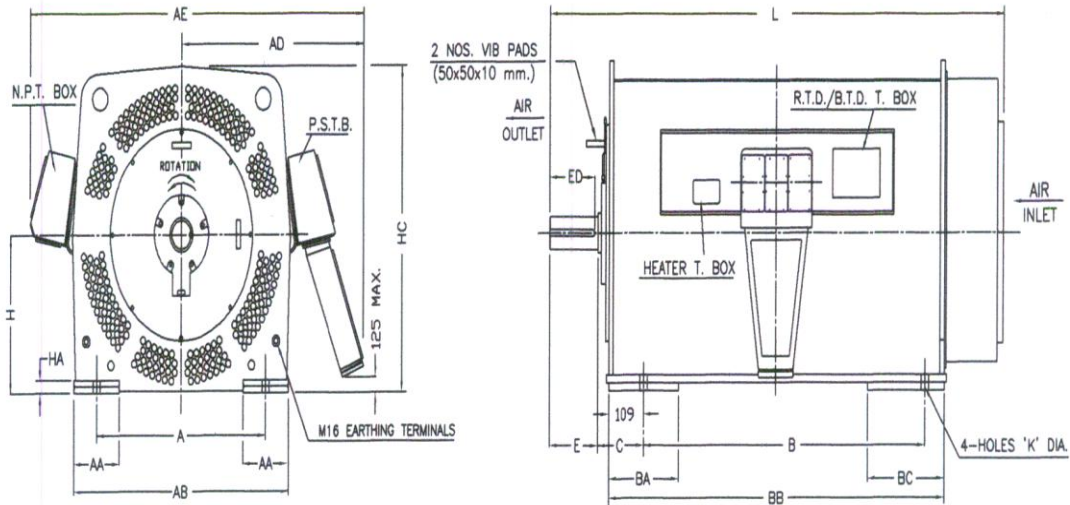


T-S Chart 3

Technical Specification of existing 6.6 KV, 1488 RPM, 3 Phase, 300 KW, Mill Fan Motor.

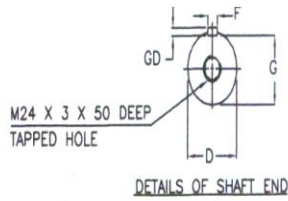
Sl. No.	Equipment Description	Specifications
1.	Application	Impeller Fan
2.	Type of mounting	B 3
3.	Type of motor	TS 560
4.	Rated continuous output (KW) at 50 ⁰ C ambient	300 KW
5.	Pole	4
6.	Duty cycle	S1
7.	Power Factor	0.80
8.	Efficiency	91.50%
9.	Rated voltage & % variation in Volts.	6600 ± 10%
10.	Rated frequency & % vibration in Hz	50 Hz ± 5%
11.	Method of cooling	Self-Cooling
12.	Enclosure	TETV
13.	Degree of Protection	IP 55
14.	Coupling	Tyre Coupling
15.	Rotor type	Squirrel Cage
16.	Frame size	560
17.	Rated speed in RPM	1488
18.	Method of starting	DOL
19.	Ambient	50°
20.	Full load current in amps.	33.5
21.	Insulation class	Class F (VPI)
22.	Insulation type	Mica based resin poor VPI insulation system
23.	Winding connection	STAR
24.	Direction of rotation	Bidirectional
25.	Bearing	Antifriction
26.	Vibration Limits	As per IS: 12075
27.	Noise level	As per IS: 12065
28.	Starting Time	12 Sec. Max.
29.	Starting current in % of FLC	600%
30.	Starting Torque in % of FLT	>=140%
31.	Pull out Torque in % of FLT	>=220%
32.	PSTB	Both side
33.	Applicable Standard	IS: 325
34.	Make	Marathon


ALL DIMENSIONS ARE IN mm.
IF IN DOUBT, PLEASE ASK DESIGN DEPT.



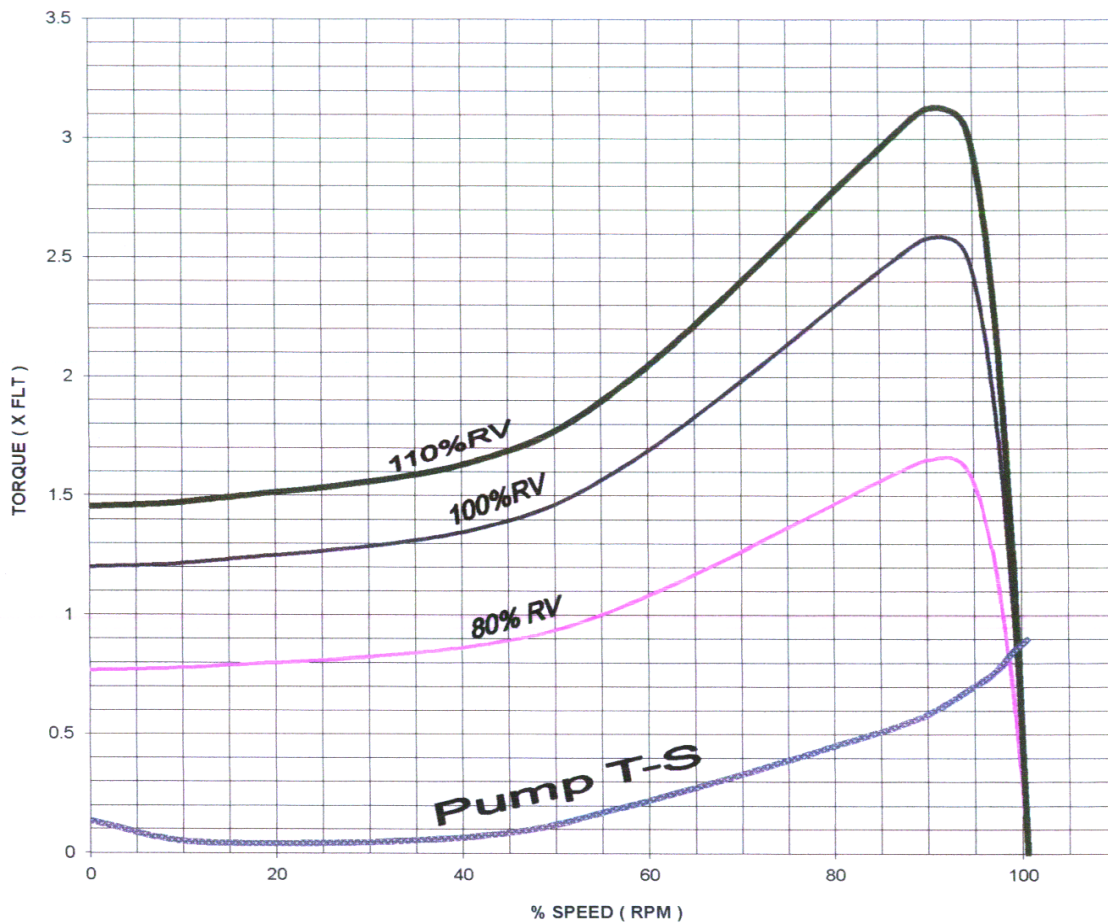
DIRECTION OF ROTATION : BI-DIRECTIONAL

A	B	C	K	BB	BA	BC	AB	AA	HA ±2	H TOL -1.5	HC MAX.	AD MAX.	AE MAX.	D		E	ED	F TOL -0.02	GD	G TOL -2	L MAX.
														NOM.	TOL.						
1020	1200	180	55	1440	400	400	1180	225	47	630	1350	1100	2150	110	+0.035 +0.013	210	205	28	16	100	2225



 B P S C L	Bokaro Power Supply Co. (P) Limited
	Captive Power Plant
	General Arrangement of 6.6KV, 240KW, 740 RPM, Dredge Pump Motor
	Drg. No.: BPSCL-DPM240 - 0001

TORQUE Vs. SPEED CHARACTERISTIC CURVE
240KW,8 POLE,6600V, Motor



Technical Specification Sheet of existing 6.6KV, 240KW, 740RPM, Siemens make Dredge Pump Motor.

Sl. No.	Equipment Description	Specifications
1.	Type of motor	SCIM.
2.	Phase	3 Phase
3.	Capacity	240 KW
4.	Voltage	6600 V \pm 10 %
5.	Electric current frequency	50 Hz \pm 5 %
6.	Rotation Speed	740 RPM
7.	No. of pole	8 Pole
8.	Frame	ILA7-560-8T
9.	Stator full load current	29 Amp.
10.	Starting current	550 % of Full Load Current
11.	Starting Torque	120% of Full Load Torque
12.	Stator winding connection	STAR
13.	Efficiency	94.3
14.	Power Factor	0.83
15.	Operating mode	Continuous duty, S1
16.	Application	Pump
17.	Mounting	B3
18.	Enclosure	TETV
19.	Class of Insulation	Class F (VPI insulation)
20.	Body Temp. Rise	70 deg. Centigrade over an ambient temp
21.	Protection grade	IP55
22.	Cooling method	IC511
23.	Terminal Arrangements	Both side PSTB
24.	Method of Starting	DOL
25.	Direction of Rotation	Bi- Directional
26.	Applicable Standard	IS: 325
27.	Noise & Vibration Level	As per IS: 12065 & 12075
28.	Bearing type	Anti – Friction Support Bearing.
29.	Make	Siemens

**Format for Bid Securing Declaration
(In lieu of EMD)**

Date: _____

Tender Enquiry no.: _____

To
The GM In-charge (Material Management)
Bokaro Power Supply Company (P) Ltd.
Hall No. – M 01
Old Administrative Building
ISPAT Bhawan, Bokaro Steel City

I/We*, the undersigned, declare that:

I/We* understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration in lieu of Earnest Money Deposit.

I / We* understand that if I/We* withdraw or modify my / our* Bids during the period of validity, or if I am / We are* awarded the Contract and I / We* fail to honour my /our* offer by way of either withdrawing my / our* bid within the bid validity period without assigning any valid reason for the same or refusing to submit Performance Security / Performance Guarantee as per relevant Clause of the tender enquiry or refusing to accept the price quoted by me / us* in Online Price Bid or Reverse Auction within the period of validity of the same or refusing to sign the Contract Agreement, I / We* will be suspended for a period of one year from being eligible to submit Bids for all future Contracts.

I / We* understand that this Bid Securing Declaration shall cease to be valid if I am / We are* not the successful Bidder and I am / We are* not awarded the Order against the tender enquiry.

Signed _____ in the capacity of

Name: _____

Duly authorized to sign the Bid for and on behalf of:

Dated on _____ day of _____, _____

Corporate Seal (where applicable)

[Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the Bid.]

Self Declaration

I.....son/daughter of Shri Aged..... years
resident ofPS.....District.....State.....do hereby
declare that:

1. I am the authorized representative and signatory of M/s.....
(name of the firm/company).
2. All document(s) submitted/ information provided by M/s..... alongwith the
Bid Document submitted against Tender No.....
.....dated
for.....
.....(Name of work)
has/have been submitted under my knowledge and are authentic , genuine and true. No part of the document(s) /
information is false, forged or fabricated.
3. The above declaration in respect of genuineness of the documents/ information has been made having full
knowledge of provisions of bidding conditions which entitle the Owner/BPSCL to initiate action in the event of
such declaration turning out to be a false.
4. I undertake to produce all documents in original for verification as and when asked for the same by BPSCL.

(Name & Signature of Authorized person):.....
Designation:.....

(To be submitted on Supplier's Letter Head)

Format for Acceptance of General Terms & Conditions, Commercial Terms and all other Terms of the Reverse Auction

We _____(Supplier Name)

with PAN_____having registered office at _____

_____(Address)

agree to all the Commercial, General & other Terms & Conditions listed in the

NIT No._____

dated_____

for procurement of _____ (item) through Reverse Auction.

We confirm that we are in a position to supply material as per the specification given in NIT. We agree to participate in the Reverse Auction and abide by the rules.

We nominate an executive, whose details are given below, to put the bids on our behalf.

The details of the person authorized to bid on our behalf is as follows.

Name & Designation :

E-mail ID :

Contact phone nos. :

Address :

(Signature & Seal)

Place :

Date :

Format for submitting last quoted prices

(To be submitted on Company Letter Head of the Bidder)

(To be sent within 30 mins of conclusion of the Reverse Auction)

To,
mjunction services limited
1st Floor, Tata Centre
43, Jawaharlal Nehru Road
Kolkata – 700 071

Fax: 033 – 2288 3279

Ref: Reverse Auction forfor Bokaro Power Supply Co. (P) Ltd. held on

Reference above, we hereby confirm our Market wise last quoted prices in the Reverse Auction held on forfor Bokaro Power Supply Co. (P) Ltd., Bokaro Steel City.

Market No.	Last Quoted Price
	<i>To be submitted by L1 bidder after RA</i>

We also confirm that we will submit item wise price break-up, within two working days from the date of Reverse Auction.

Signature :

Name :

Designation :

Date :