

**Bid Document/ बिड दस्तावेज़**

Bid Details/बिड विवरण	
<b>Bid End Date/Time/बिड बंद होने की तारीख/समय</b>	25-12-2023 15:00:00
<b>Bid Opening Date/Time/बिड खुलने की तारीख/समय</b>	25-12-2023 15:30:00
<b>Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)</b>	80 (Days)
<b>Ministry/State Name/मंत्रालय/राज्य का नाम</b>	Ministry Of Heavy Industries And Public Enterprises
<b>Department Name/विभाग का नाम</b>	Department Of Heavy Industry
<b>Organisation Name/संगठन का नाम</b>	Bharat Heavy Electricals Limited (bhel)
<b>Office Name/कार्यालय का नाम</b>	10210015-pser
<b>Total Quantity/कुल मात्रा</b>	586
<b>Item Category/मद केटेगरी</b>	15 mm NB Manual Ball Valve , 25 mm NB Manual Ball Valve , 40 mm NB Manual Ball Valve , 50 mm NB Manual Ball Valve , 25 mm NB Manual Globe Valve , Spare Parts OR Commissioning Spares Suitable for 15 NB Ball Valve , Spare Parts OR Commissioning Spares suitable for 25 NB Ball Valve , Spare Parts OR Commissioning Spares suitable for 40 NB Ball Valve , Spare Parts OR Commissioning Spares suitable for 50 NB Ball Valve
<b>BOQ Title/बीओक्यू शीर्षक</b>	Supply of Miscellaneous Valves at BHEL 3x660 MW North Karanpura STPP Site
<b>MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट</b>	No
<b>Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट</b>	No
<b>Document required from seller/विक्रेता से मांगे गए दस्तावेज़</b>	Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
<b>Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया</b>	Yes
<b>RA Qualification Rule</b>	H1-Highest Priced Bid Elimination
<b>Type of Bid/बिड का प्रकार</b>	Two Packet Bid
<b>Primary product category</b>	15 mm NB Manual Ball Valve

Bid Details/बिड विवरण	
<b>Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय</b>	2 Days
<b>Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>	No
<b>Payment Timelines</b>	Payments shall be made to the Seller within <b>90</b> days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
<b>Evaluation Method/मूल्यांकन पद्धति</b>	Total value wise evaluation

#### EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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#### ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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#### Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

#### MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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#### MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers

as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY. The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

3. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

4. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

## 15 Mm NB Manual Ball Valve

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/कमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)**

### Technical Specifications/तकनीकी विशिष्टियाँ

<b>Specification Document</b>	<a href="#">View File</a>
<b>BOQ Detail Document</b>	<a href="#">View File</a>

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**Consignees/Reporting Officer/प्रेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Mridul Kumar Taisum	825321,3 X 660 MW, NORTH KARANPURA SUPER THERMAL POWER PROJECT NTPC, TANDWA, DIST CHATRA, JHARKHAND	277	60

## 25 Mm NB Manual Ball Valve

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

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S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Mridul Kumar Taisum	825321,3 X 660 MW, NORTH KARANPURA SUPER THERMAL POWER PROJECT NTPC, TANDWA, DIST CHATRA, JHARKHAND	153	60

## 40 Mm NB Manual Ball Valve

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

### Technical Specifications/तकनीकी विशिष्टियाँ

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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Mridul Kumar Taisum	825321,3 X 660 MW, NORTH KARANPURA SUPER THERMAL POWER PROJECT NTPC, TANDWA, DIST CHATRA, JHARKHAND	15	60

**50 Mm NB Manual Ball Valve**

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)**

**Technical Specifications/तकनीकी विशिष्टियाँ**

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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Mridul Kumar Taisum	825321,3 X 660 MW, NORTH KARANPURA SUPER THERMAL POWER PROJECT NTPC, TANDWA, DIST CHATRA, JHARKHAND	15	60

## 25 Mm NB Manual Globe Valve

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

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## Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Mridul Kumar Taisum	825321,3 X 660 MW, NORTH KARANPURA SUPER THERMAL POWER PROJECT NTPC, TANDWA, DIST CHATRA, JHARKHAND	58	60

## Spare Parts OR Commissioning Spares Suitable For 15 NB Ball Valve

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

### Technical Specifications/तकनीकी विशिष्टियाँ

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S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Mridul Kumar Taisum	825321,3 X 660 MW, NORTH KARANPURA SUPER THERMAL POWER PROJECT NTPC, TANDWA, DIST CHATRA, JHARKHAND	41	60

**Spare Parts OR Commissioning Spares Suitable For 25 NB Ball Valve**

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)**

**Technical Specifications/तकनीकी विशिष्टियाँ**

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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Mridul Kumar Taisum	825321,3 X 660 MW, NORTH KARANPURA SUPER THERMAL POWER PROJECT NTPC, TANDWA, DIST CHATRA, JHARKHAND	21	60

### Spare Parts OR Commissioning Spares Suitable For 40 NB Ball Valve

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

### Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	<a href="#">View File</a>
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### Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Mridul Kumar Taisum	825321,3 X 660 MW, NORTH KARANPURA SUPER THERMAL POWER PROJECT NTPC, TANDWA, DIST CHATRA, JHARKHAND	3	60

### Spare Parts OR Commissioning Spares Suitable For 50 NB Ball Valve

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

### Technical Specifications/तकनीकी विशिष्टियाँ

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**Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Mridul Kumar Taisum	825321,3 X 660 MW, NORTH KARANPURA SUPER THERMAL POWER PROJECT NTPC, TANDWA, DIST CHATRA, JHARKHAND	3	60

**Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें**

**1. Scope of Supply**

Scope of supply (Bid price to include all cost components) : Only supply of Goods

**2. Generic**

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- Copy of PAN Card.
- Copy of GSTIN.
- Copy of Cancelled Cheque.
- Copy of EFT Mandate duly certified by Bank.

**3. Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- The Seller fails to comply with any material term of the Contract.
- The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- The Seller becomes bankrupt or goes into liquidation.
- The Seller makes a general assignment for the benefit of creditors.
- A receiver is appointed for any substantial property owned by the Seller.
- The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

#### 4. **Certificates**

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

#### 5. **Purchase Preference (Centre)**

Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.

#### 6. **Purchase Preference (Centre)**

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as "Non Local Supplier". The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

#### 7. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

#### **ANNEXURE-A**

#### **BUYER'S SPECIFIC ATC**

#### **PRE QUALIFYING CRITERIA**

<b>JOB</b>	<b>SUPPLY OF MISCELLANEOUS VALVES AT 3X660 MW BHEL NORTH KARANPURA STPP SITE, JHARKHAND</b>
SL NO.	CRITERIA
	<b>FINANCIAL CRITERIA</b>
1.0 (a)	BIDDER SHOULD HAVE AVERAGE MINIMUM ANNUAL FINANCIAL TURNOVER OF Rs. 2.58 LAKH DURING LAST THREE (3) FINANCIAL YEARS ENDING ON 31.03.2023.  BIDDER SHOULD SUBMIT THEIR AUDITED BALANCE SHEET AND PROFIT & LOSS ACCOUNT FOR THE ABOVE-MENTIONED FINANCIAL YEARS, IN SUPPORT OF THE ABOVE.
(b)	IN CASE AUDITED BALANCE SHEET AND PROFIT & LOSS ACCOUNT HAS NOT BEEN SUBMITTED FOR ALL THREE (3) CONSECUTIVE FINANCIAL YEARS INDICATED ABOVE, THEN THE APPLICABLE FINANCIAL AUDITED STATEMENTS SUBMITTED BY THE BIDDERS AGAINST THE REQUISITE THREE YEARS WILL BE AVERAGED FOR THREE YEARS.
(c)	IF FINANCIAL STATEMENTS ARE NOT REQUIRED TO BE AUDITED STATUTORILY, THEN INSTEAD OF AUDITED FINANCIAL STATEMENTS, FINANCIAL STATEMENTS ARE REQUIRED TO BE CERTIFIED BY CHARTERED ACCOUNTANT.
	<b>TECHNICAL CRITERIA</b>
2.0	THE BIDDER SHOULD HAVE SUPPLIED ATLEAST 130 NOS BALL VALVE AND 10 NOS GLOBE VALVE TO ANY GOVT./PSU/REPUTED ORGANISATION IN LAST THREE (03) YEARS, ENDING ON THE LATEST DUE DATE OF SUBMISSION OF OFFER.  BIDDER SHALL SUBMIT RELEVANT DOCUMENTS IN SUPPORT OF ABOVE.
3.0	BIDDER SHOULD HAVE VALID PAN.  RELEVANT DOCUMENT IN SUPPORT OF ABOVE SHALL BE SUBMITTED BY BIDDER.
<b>GENERAL CLAUSES:</b>	
a.	CONSORTIUM / JV BIDDING IS NOT ALLOWED.
b.	THE SUPPLIED QUANTITY MAY BE CONSIDERED AGAINST SINGLE/MULTIPLE PURCHASE ORDER, TO MEET THE ABOVE PQ REQUIREMENT.

c.	IN CASE THE JOB IS UNDER EXECUTION/ ONGOING JOB, THE VALUE OF EXECUTED PORTION OF THE JOB SHALL AT LEAST CORRESPOND TO THE RESPECTIVE VALUES SPECIFIED ABOVE EVEN IF THE CONTRACT HAS NOT BEEN COMPLETED OR CLOSED.
d.	AFTER SATISFACTORY FULFILLMENT OF ALL ABOVE CRITERIA, OFFER SHALL BE CONSIDERED FOR FURTHER EVALUATION & PARTICIPATION AS PER NIT & ALL OTHER TERMS OF TENDER SUBJECT TO CUSTOMER'S APPROVAL.

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**Technical Conditions & Special Conditions of Contract for Supply of Miscellaneous Valves at BHEL 3x660 MW North Karanpura STPP Site**

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**Scope of Work:**

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**Supply of miscellaneous valves at 3x660 MW BHEL North Karanpura STPP site, Jharkhand.**

The scope covers design, engineering, manufacturing, inspection, testing at manufacturer's / works, proper packing, transportation to site on door delivery basis etc.

The scope of unloading at site is excluded from the scope of bidder.

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**Item Description:**

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SL. NO	ITEM DESCRIPTION	SPECIFICATION	QTY (Nos)	UOM
1.	<b>15 mm NB Manual Ball Valve</b> ( Body Material- Gun Metal as per IS 318 GR LTB2, End Connection- Screwed as per IS 554 parallel)	As per Data sheet	277	Nos
2	<b>25 mm NB Manual Ball Valve</b> ( Body Material- Gun Metal as per IS 318 GR LTB2, End Connection- Screwed as per IS 554 parallel)	As per Data sheet	153	Nos
3	<b>40 mm NB Manual Ball Valve</b> ( Body Material- Gun Metal as per IS 318 GR LTB2, End Connection- Screwed as per IS 554 parallel)	As per Data sheet	15	Nos
4	<b>50 mm NB Manual Ball Valve</b> ( Body Material- Gun Metal as per IS 318 GR LTB2, End Connection- Screwed as per IS 554 parallel)	As per Data sheet	15	Nos
5	<b>25 mm NB Manual Globe Valve</b> ( Body Material- Gun Metal as per IS 318 GR-2, End Connection- Screwed as per IS 554 parallel)	As per Data sheet	58	Nos
6	<b>Spare Parts / Commissioning Spares</b> ( Body Seal, Stem washer, Stem Seal) suitable for <b>15 NB Ball Valve</b>	As per Data sheet	41	Set
7	<b>Spare Parts / Commissioning Spares</b> ( Body Seal, Stem washer, Stem Seal) suitable for <b>25 NB Ball Valve</b>	As per Data sheet	21	Set
8	<b>Spare Parts / Commissioning Spares</b> ( Body Seal, Stem washer, Stem Seal) suitable for <b>40 NB Ball Valve</b>	As per Data sheet	3	Set
9	<b>Spare Parts / Commissioning Spares</b> ( Body Seal, Stem washer, Stem Seal) suitable for <b>50 NB Ball Valve</b>	As per Data sheet	3	Set

**(A) Technical Specifications:**

**a. General:**

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The specification covers the design, materials construction features, manufacture and testing of valves at vendor's / sub vendor's works inclusive of painting and packing requirements. The valves shall meet the technical requirements and conform to the data sheet. The valves complete with all accessories shall be supplied as per data sheet. For details refer the same.

**b. Codes & Standards:**

The design, materials, construction features, manufacture, inspection and testing of the valves shall conform to the latest applicable codes & standards.

**Ball Valves:**

All the ball valves covered under this specification shall be designed and tested as per BSEN ISO 17292 (replaces BS:5351).

**Globe Valves:**

All the globe valves covered under this specification shall be as per latest editions of IS:778 / BS :5154 and shall be class2/PN 16 minimum.

In case of conflict between the above codes / standards and this specification, the latter shall prevail and in case of any further conflict in the matter, the interpretation of the specification by the engineer shall be final & binding on the vendor.

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**c. Design Requirements:**

The valves shall be used for non-corrosive media like compressed air piping, cooling water service etc and shall be of non-fire safe design. Valves shall be selected in the appropriate rating based on the pressure / temperature conditions and service media mentioned in Data Sheet. All valves shall be suitable for service conditions (as referred in Data sheet) under which they are required to operate and those performing similar duties shall be interchangeable with each other unless otherwise specified.

**d. Materials:**

The material of construction of main parts of valves shall be specified in Data Sheet.

The materials of construction of the remaining parts shall be as per relevant standard governing the valves and to suit service conditions. These materials shall be subject to purchaser's approval. Material used in manufacture of valve shall be of tested quality.

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**e. Construction Features:**

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**Ball Valves:**

Valves with screwed ends shall have screwed female parallel pipe threads as per IS : 554/ASME B

1.20.1. All valves upto 50mm NB shall be reduced port type. Body seats shall be renewable type & shall be of moulded PTFE completely contained and shall provide leak tightness in either direction and be suitable for service temperatures.

All the valves shall be provided with integral stop on body limiting quarter turn operation. All the valves shall be tight shut off type and the lever shall be designed such that lever is parallel to flow direction when the valve is in open condition, All the valves fitted with a steel lever shall be closed by turning the lever in the clockwise direction. The direction of closing the valve and "Shut" position shall be marked on the valves. The lever shall have plastic covering.

#### **Globe Valves:**

Valves shall have screwed ends and shall be provided with female parallel /taper threads, Bonnet shall be screwed in union yoke type. Valves ends shall be screwed female / male parallel threads as per IS 554/ANSI B1.20.1 as specified in data sheet. Valves shall be provided with yoke type screwed in bonnet and shall be of rising stem, outside screw. Joint of bonnet with body shall be metal to metal.

The valves covered under this specification shall have seats as an integral part of the body.

All the valves shall have an arrow indicating the direction of flow cast embossed on the valve body. The direction of flow for globe valves shall be from under to over the disc. Disc of the valves which are detachable or two-piece construction shall be of such design that they do not become detached from the spindle while in service. Discs of the valves shall be guided to ensure correct alignment. All the valves shall preferably be provided with radiused / spherical / angular faced disc seating. The disc shall be secured with stem with disc nut or with such an arrangement that the disc shall be free to revolve. Disc of compressed air system globe valves shall be provided with renewable synthetic rubber sealing ring of hardness 60degree +5/-0 shore A. all the valves shall be offered with back seating arrangement for replacement of gland packing when the valves are full opened and while under full working pressure. Back seats shall be provided on both bonnet and stem. Valves should be supplied with mechanical position indicator for "Open" and "Shut" position. Valves shall be closed by rotating hand wheel in the clockwise direction when looking at the face of the hand wheel. The face of each hand wheel shall be clearly marked "Open" & "Shut" with arrows indicating the direction of rotation to which they refer.

Extension spindle / chain operation to the valves shall be provided wherever required as specified in Data Sheet. For Valves that are to be kept locked in full "Open" or "Close" position, if specified in Data Sheet, the locking arrangement shall be provided with a non-detachable locking arrangement. Valves with limit switches (if specified in Data Sheet) shall be required only for indication or for interlocking with some equipment. Valves with such provision shall be offered with required number of limit switches for Open / Close position of the valve. The limit switches for this application shall have one normally Open and one normally closed contact. The limit switches shall be cutler hammer /Siemens/ Honeywell make and limit switch housing shall be weather proof. The limit switches shall also be wired to a terminal box.

#### **f. Quality Assurance:**

The quality plans enclosed with this specification is indicative and specify minimum quality control requirement. During contract stage, bidder shall furnish manufacturing quality plan (MQP) duly signed & stamped for review and approval by BHEL /customer. All inspection & testing shall be carried by BHEL and customer (if necessary), based on approved MQP.

**g. Packing Instructions:**

Each valve shall be drained, cleaned, prepared and suitably protected in such a way, so as to minimize the possibility of damage and deterioration during transit and storage.

The valves shall be dispatched in total assembled form. Body ends shall be suitably sealed to protect them against damage during transit and storage. Proper care shall be taken to avoid damage to the painted surface during transit. All the valves shall be packed suitably in wooden case in order to avoid damage during transit and also during storage at site in tropical climate conditions for a period of 15-18 months.

**(B) Special Conditions of Contract:**

**(1) Delivery Period:**

All the valves under scope of supply is to be delivered at site within 60 days from the date of issuance of Purchase Order.

**(2) Material Dispatch Clearance:**

MDCC shall be issued by BHEL/ Customer's representative prior to dispatch. Inspection of valves will be done by BHEL/customer's representative at manufacturer's shop. Vendor shall also submit their internal inspection report / test certificates to BHEL for quality review.

Materials should be directly dispatched from manufacturer's works to project site after issuance of MDCC.

**(3) Consignee Address:**

Project Director, BHEL site office

3X660 MW NTPC North Karanpura STPP project site office, P.O-Tandwa, District -Chatra, Jharkhand , PIN-825321

**(4) Transportation & Transit Insurance:**

Bidder has to arrange transportation and deliver the consignment(s) at North Karanpura site on door delivery basis at his own cost.

Transit Insurance In BHEL's scope. Bidder to intimate dispatches/ discrepancy during contract operation, to the underwriter. The name of the underwriter and Insurance Policy number will be intimated in due course.

**(5) Guarantee / Warranty:**

Bidder shall provide Guarantee/ Warranty against the supplied valves towards faulty supply/ poor workmanship/ incomplete job for a period of 12 months from the date of commissioning or 18 months from the date of receipt last consignment at BHEL site, whichever is earlier. Within this period



d, the bidder shall do the necessary repair / rework / rectification or replace the defective items free of cost.

In case bidder fails to repair or replace the defective items within the time period specified by BHEL, BHEL may proceed to undertake the repair / replacement of such defective item at bidder's risk and cost without prejudice to any other rights.

#### **(6) Payment Terms:**

95% of "All-inclusive F.O.R site price excluding GST" payment shall be made on pro rata basis against receipt of material at site as per approved billing schedule. Documents required for such payment are as follows.

- (i) GST Complied Invoice (1 Original+ 2 Copies)
- (ii) LR / RR (Consignee Copy)
- (iii) Packing List
- (iv) BHEL MDCC
- (v) Material Receipt Certificate (Will be issued from site after receipt of materials and is physical verification at site)
- (vi) Guarantee Certificate

Payment will be released within 90 days (45 days for MSE, 60 days for Medium Enterprises) of submission of appropriate invoice along with all other required supporting documents to BHEL.

Balance 5% amount shall be retained towards "Performance Guarantee for Material/ Workmanship" and shall be released against the following:

- (i) Completion of Guarantee period, provided all the defects noticed during the guarantee period have been rectified to the satisfaction of BHEL Site Engineer.
- (ii) After deducting all expenses /other amounts due to BHEL under the contract/ other contracts entered into by BHEL with them.
- (iii) Confirmation of full GST Credit to BHEL. Any Interest if levied thereon for reasons elaborated in Tax & Duties clause of the tender and attributable to the bidder, will be recovered from the Final Payment / Retention amount.

Applicable GST portion shall be released subject to fulfilment of the following:

- (i) Such invoice appearing in GSTR-2A/2B of BHEL on filing of valid returns by vendor and

confirmation of payment of such GST to the Government through filing of GSTR-3B of

corresponding month/quarter as per GST law within timeline prescribed for availing ITC by BHEL.

- (ii) Receipt of goods / services and Tax invoice by BHEL
- (iii) Confirmation of payment of GST thereon by vendor on GSTN portal.

**Paying Authority:**

RAO, BHEL site office, 3X660 MW North Karanpura Super Thermal power Project,  
Tandwa, Jharkhand, PIN-825321.

No Advance payment shall be made.

**(7) PVC/ORC:**

Not applicable

**(8) Liquidated Damage (LD):**

LD shall be 0.5% of basic value of undelivered portion per week of delay or part thereof subject to maximum of 10% of the total Contract value (i.e. excluding elements of taxes).

For this purpose, the period of delay shall be the delay attributable to the bidder for completion of the job as per contract. Contract value for this purpose, shall be the final executed value exclusive of Extra Works, Supplementary / Additional Items (if any).

BHEL reserve the right to purchase from elsewhere on account of and at the risk & cost of the vendor with notice to the vendor of the equipment/ materials not so delivered, with /without canceling the order/ contract in respect of the equipment/ materials not yet due for delivery.

**(9) Taxes, Duties etc:**

9.1	<p>Bidder's quoted/ accepted rates/ price shall be inclusive of all taxes including GST, Charges, Royalties, any State or Central Levy and other taxes for materials if any obtained for the work and for execution of the contract.</p> <p>Any increase of above at any stage during execution of contract, including extension of the contract, shall have to be borne by successful bidder contractor. However, any increase of GST subsequent to due date of offer submission as per NIT &amp; TCN, by statutory authority during contract period (including extension, if the same is not attributable to you), shall be reimbursed by BHEL on production of relevant supporting document to the satisfaction of BHEL.</p> <p>Benefit of any decrease of taxes including GST, Charges, Royalties, any State or Central Levy and other taxes for materials if any obtained for the work and for execution of the contract; subsequent to due date of offer submission as per NIT &amp; TCN, by statutory authority shall be passed on to BHEL.</p>
9.2	<p>Successful bidder shall furnish proof of GST registration with GSTN Portal covering the services under this contract.</p> <p>Registration should also bear endorsement for the premises from where the billing shall be done by successful bidder on BHEL for this project / work.</p>
9.3	Since GST on output will be paid by BHEL as enumerated above, bidder's quoted rates / price should be after considering the Input Credit under GST law at bidder's end.
9.4	TDS under Income Tax Act shall be deducted as per prevailing IT rules from the bills.
9.5	TDS under GST shall be deducted as per prevailing GST rules from the bills.
9.6.1	You may collect TCS under section 206C(1H) of Income Tax Act, 1961 if applicable.
9.6.2	In case, you collect TCS under section 206C(1H) of Income Tax Act, 1961, following compliance is required.
9.6.2.1	TAN and PAN of vendor should appear in all invoices/claims. Copy of TAN /TCS registration is to be submitted.
9.6.2.2	Amount of TCS and Assessable value on which TCS has been calculated should be specified clearly in the invoice.
9.6.2.3	You shall be required to submit certificate of TCS in Form no. 27D within 15 days from the due date for furnishing the statement of tax collected at the source.

9.6.3	<p>In case, you do not collect TCS under section 206C(1H) of Income Tax Act, 1961, following declaration is to be submitted along with each invoice: -</p> <p>“I/We hereby declare that I/We are not required to collect TCS under section 206C(1H) of Income Tax Act, 1961, on this bill.</p>
9.6.4	<p>In event of failure to comply with the provisions of the Act, or proper certificate not issued, or if tax collected but not remitted to the Government, or for any other reason and thereby causing loss to BHEL, the same shall be recoverable from the vendor with applicable interest.</p>
9.6.5	<p>You shall comply with all statutory amendment/notifications in this respect.</p>
9.7	<p>Bidder shall note that GST Tax Invoice complying with GST Invoice Rules (Section 31 of GST Act &amp; Rules referred thereunder) wherein the ‘Bill To’ details shall encompass following.</p> <p>BHEL GSTN – 20AAACB4146P5ZP</p> <p>Name - BHARAT HEAVY ELECTRICALS LIMITED</p> <p>Address – North Karanpura site, Tandwa, Chatra, Jharkhand 825321</p> <p>Specific details of BHEL GSTN, Name and Address as stated above, have been specified elsewhere in the tender.</p>
9.8	<p>Successful bidder to intimate immediately on the day of removal of goods (in case of any supply of goods) to BHEL along with all relevant details and send a scanned copy of Tax Invoice to BHEL through following communication mode for enabling BHEL to meet its GST related compliances.</p> <p>Portal address and Email address – Shall be intimated later.</p> <p>Specific details of above shall be intimated to successful bidder by BHEL at appropriate juncture.</p>
9.9	<p>In case of delay in submission of above mentioned documents on the date of despatch, BHEL may incur penalty/ interest for not adhering to Invoicing Rules under GST Law.</p> <p>The same will be liable to be recovered from successful bidder, in case such delay is not attributable to BHEL.</p>
9.10	<p>In case of raising any Supplementary Tax Invoice (Debit / Credit Note), successful bidder shall issue the same containing all the details as referred to in Section 34 read with Section 31 of GST Act &amp; Rules referred there under.</p>
9.11	<p>Successful bidder shall comply with the Time Limit prescribed under the GST Law and rules thereof for raising of the Tax Invoice.</p> <p>If any supply of goods is applicable, successful bidder shall also ensure prompt delivery of goods after despatch.</p>

9.12	Bidder shall note that in case GST credit is delayed / denied to BHEL due to delayed / non receipt of goods and / or Tax Invoice or expiry of the timeline prescribed in GST Law for availing such ITC, or any other reasons, not attributable to BHEL, GST amount shall be recoverable from successful bidder along with interest levied/ leviable on BHEL, as the case may be.
9.13	<p>Successful bidder shall upload the invoices raised on BHEL in IFF/GSTR-1 within the prescribed time as given in the GST Act, and the same should be available to BHEL in FORM GSTR-2B electronically through the common portal; and confirmation of payment of such GST to the Government through filing of GSTR-3B of corresponding month/quarter.</p> <p>Bidder shall note that in case of delay in declaring such invoice in your return and GST credit availed by BHEL is denied or reversed subsequently as per GST Law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from the successful bidder along with interest levied / leviable on BHEL.</p>
9.14	<p>Successful bidder to arrange for e-waybill for any movement of goods for the execution of the contract.</p> <p>Successful bidder has to make their own arrangement at their cost for completing the formalities, if required, with Issuing Authorities, for bringing materials, plants &amp; machinery at site for execution of the works under this contract, Road Permit / Way Bill, if required, shall be arranged by successful bidder and BHEL will not supply any Road Permit/ Way Bill for this purpose.</p>
9.15	Any new taxes & duties, if imposed subsequent to due date of offer submission as per NIT & TCN, by statutory authority during contract period (including extension, if the same is not attributable to you), shall be reimbursed by BHEL on production of relevant supporting document to the satisfaction of BHEL. However, you shall obtain prior approval from BHEL before depositing new taxes and duties.
9.16	Benefits and / or abolition of all existing taxes must be passed on to BHEL against new taxes, if any, proposed to be introduced at a later date.

**(10) Quantity Variation:**

Not applicable.

**(11) Evaluation Criteria:**

Total All inclusive, landed price at consignee destination, as per GEM GTC (General Terms and Conditions).

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8. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

9. **Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

## **Disclaimer/अस्वीकरण**

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action

in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी

गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।

**---Thank You/धन्यवाद---**