



Bid Number/बोली क्रमांक (बिड संख्या):  
GEM/2023/B/3415693  
Dated/दिनांक : 04-05-2023

### Bid Document/ बिड दस्तावेज़

| Bid Details/बिड विवरण  |  |
|--|--|
| Bid End Date/Time/बिड बंद होने की तारीख/समय  | 25-05-2023 16:00:00  |
| Bid Opening Date/Time/बिड खुलने की तारीख/समय   | 25-05-2023 16:30:00  |
| Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)  | 180 (Days)   |
| Ministry/State Name/मंत्रालय/राज्य का नाम  | Ministry Of Power  |
| Department Name/विभाग का नाम   | Na   |
| Organisation Name/संगठन का नाम   | Ntpc Limited   |
| Office Name/कार्यालय का नाम  | Cg   |
| Total Quantity/कुल मात्रा  | 393  |
| Item Category/मद केटेगरी   | M1878232201 , M1878219456N , M1878232202 , M1878232203 , M1878232205 , M1878270652 , M1878270670 , M1878270964 , M1878275666   |
| BOQ Title/बीओक्यू शीर्षक   | Procurement of Butterfly valves for NTPC Simhadri  |
| MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट   | No   |
| Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट   | No   |
| Document required from seller/विक्रेता से मांगे गए दस्तावेज़   | Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Compliance of BoQ specification and supporting document<br>*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 |
| Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया   | No   |
| Type of Bid/बिड का प्रकार  | Two Packet Bid   |
| Primary product category   | M1878232201  |
| Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय | 3 Days   |
| Evaluation Method/मूल्यांकन पद्धति   | Item wise evaluation/  |

**EMD Detail/ईएमडी विवरण**

|   |       |
|---|-------|
| Advisory Bank/एडवाइजरी बैंक               | ICICI |
| Schedule 1 EMD Amount/ईएमडी राशि (In INR) | 21871 |
| Schedule 2 EMD Amount/ईएमडी राशि (In INR) | 4541  |
| Schedule 3 EMD Amount/ईएमडी राशि (In INR) | 7245  |
| Schedule 4 EMD Amount/ईएमडी राशि (In INR) | 29884 |
| Schedule 5 EMD Amount/ईएमडी राशि (In INR) | 21027 |
| Schedule 6 EMD Amount/ईएमडी राशि (In INR) | 333   |
| Schedule 7 EMD Amount/ईएमडी राशि (In INR) | 7212  |
| Schedule 8 EMD Amount/ईएमडी राशि (In INR) | 4500  |
| Schedule 9 EMD Amount/ईएमडी राशि (In INR) | 3387  |

**ePBG Detail/ईपीबीजी विवरण**

|  |       |
|--|-------|
| Advisory Bank/एडवाइजरी बैंक  | ICICI |
| ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)                               | 10.00 |
| Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने). | 24    |

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). The EMD Amount will be applicable for each schedule/group selected during Bid creation.

(c). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

**Beneficiary/लाभार्थी :**

GM (C&M)-CPG-1  
NTPC Limited, Western Region II Headquarters, Plot No-87, Sector-24, Atal Nagar, Naya Raipur, Raipur  
Chhatisgarh-492018  
(Uma Shankar Gupta)

**Splitting/विभाजन**

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

**Reserved for Make In India products**

|                                     |     |
|-------------------------------------|-----|
| Reserved for Make In India products | Yes |
|-------------------------------------|-----|

**MSE Purchase Preference/एमएसई खरीद वरीयता**

|   |     |
|---|-----|
| MSE Purchase Preference/एमएसई खरीद वरीयता | Yes |
|---|-----|

1. Bid reserved for Make In India products: : Procurement under this bid is reserved for purchase from 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. However, eligible micro and small enterprises will be allowed to participate. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document. All bidders 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 the bid is liable to be rejected. 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 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

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.

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.

**Evaluation Method ( Item Wise Evaluation Method )**

Contract will be awarded schedulewise and the determination of L1 will be done separately for each schedule. The details of item-consignee combination covered under each schedule are as under:

| Evaluation Schedules | Item/Category | Quantity |
|----------------------|---------------|----------|
| Schedule 1           | M1878232201   | 136      |
| Schedule 2           | M1878219456n  | 18       |
| Schedule 3           | M1878232202   | 40       |
| Schedule 4           | M1878232203   | 116      |
| Schedule 5           | M1878232205   | 32       |

|            |             |    |
|------------|-------------|----|
| Schedule 6 | M1878270652 | 9  |
| Schedule 7 | M1878270670 | 16 |
| Schedule 8 | M1878270964 | 20 |
| Schedule 9 | M1878275666 | 6  |

### M1878232201

**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

|                             |           |
|-----------------------------|-----------|
| Brand Type/ब्रांड का प्रकार | Unbranded |
|-----------------------------|-----------|

#### Technical Specifications/तकनीकी विशिष्टियाँ

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

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

#### 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              | ASRAFUL HOQUE   | 531020,Simhadri Super Thermal Power Project P.O. SIMHADRI VISAKHAPATNAM | 136             | 120                          |

### M1878219456N

**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

|                             |           |
|-----------------------------|-----------|
| Brand Type/ब्रांड का प्रकार | Unbranded |
|-----------------------------|-----------|

#### Technical Specifications/तकनीकी विशिष्टियाँ

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

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

| S.No./क्र. सं. | Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी | Address/पता   | Quantity/मात्र | Delivery Days/डिलीवरी के दिन |
|----------------|---|---|----------------|------------------------------|
| 1              | ASRAFUL HOQUE   | 531020,Simhadri Super Thermal Power Project P.O. SIMHADRI VISAKHAPATNAM | 18             | 120                          |

**M1878232202**

**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

|                             |           |
|-----------------------------|-----------|
| Brand Type/ब्रांड का प्रकार | Unbranded |
|-----------------------------|-----------|

**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/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्र**

| S.No./क्र. सं. | Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी | Address/पता   | Quantity/मात्र | Delivery Days/डिलीवरी के दिन |
|----------------|---|---|----------------|------------------------------|
| 1              | ASRAFUL HOQUE   | 531020,Simhadri Super Thermal Power Project P.O. SIMHADRI VISAKHAPATNAM | 40             | 120                          |

**M1878232203**

**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

|                             |           |
|-----------------------------|-----------|
| Brand Type/ब्रांड का प्रकार | Unbranded |
|-----------------------------|-----------|

**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/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              | ASRAFUL HOQUE   | 531020,Simhadri Super Thermal Power Project P.O. SIMHADRI VISAKHAPATNAM | 116             | 120                          |

**M1878232205**

**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

|                             |           |
|-----------------------------|-----------|
| Brand Type/ब्रांड का प्रकार | Unbranded |
|-----------------------------|-----------|

**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/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्र**

| S.No./क्र. सं. | Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी | Address/पता   | Quantity/मात्र | Delivery Days/डिलीवरी के दिन |
|----------------|---|---|----------------|------------------------------|
| 1              | ASRAFUL HOQUE   | 531020,Simhadri Super Thermal Power Project P.O. SIMHADRI VISAKHAPATNAM | 32             | 120                          |

**M1878270652****(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

|                             |           |
|-----------------------------|-----------|
| Brand Type/ब्रांड का प्रकार | Unbranded |
|-----------------------------|-----------|

**Technical Specifications/तकनीकी विशिष्टियाँ**

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

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

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

| S.No./क्र. सं. | Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी | Address/पता   | Quantity/मात्र | Delivery Days/डिलीवरी के दिन |
|----------------|---|---|----------------|------------------------------|
| 1              | ASRAFUL HOQUE   | 531020,Simhadri Super Thermal Power Project P.O. SIMHADRI VISAKHAPATNAM | 9              | 120                          |

**M1878270670****(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

|                             |           |
|-----------------------------|-----------|
| Brand Type/ब्रांड का प्रकार | Unbranded |
|-----------------------------|-----------|

**Technical Specifications/तकनीकी विशिष्टियाँ**

|                        |                           |
|------------------------|---------------------------|
| Specification Document | <a href="#">View File</a> |
|------------------------|---------------------------|

**BOQ Detail Document**[View File](#)

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

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

| S.No./क्र. सं. | Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी | Address/पता   | Quantity/मात्र | Delivery Days/डिलीवरी के दिन |
|----------------|---|---|----------------|------------------------------|
| 1              | ASRAFUL HOQUE   | 531020,Simhadri Super Thermal Power Project P.O. SIMHADRI VISAKHAPATNAM | 16             | 120                          |

**M1878270964****(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

|                             |           |
|-----------------------------|-----------|
| Brand Type/ब्रांड का प्रकार | Unbranded |
|-----------------------------|-----------|

**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/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्र**

| S.No./क्र. सं. | Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी | Address/पता | Quantity/मात्र | 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              | ASRAFUL HOQUE   | 531020,Simhadri Super Thermal Power Project P.O. SIMHADRI VISAKHAPATNAM | 20              | 120                          |

**M1878275666**

**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

|                             |           |
|-----------------------------|-----------|
| Brand Type/ब्रांड का प्रकार | Unbranded |
|-----------------------------|-----------|

**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/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              | ASRAFUL HOQUE   | 531020,Simhadri Super Thermal Power Project P.O. SIMHADRI VISAKHAPATNAM | 6               | 120                          |

**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. Inspection**

Materials shall be guaranteed for 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier.

### 3. Buyer Added Bid Specific ATC

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

### 4. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

## 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---

**NTPC Limited**  
( A Government of India Enterprise )

**Tender Enquiry No.** 9900258055

**Bill of Materials**

**Delivery Address:**

Simhadri Super Thermal Power

P.O. SIMHADRI

VISAKHAPATNAM

Andhra Pradesh

531020

India

Tel : 08924-243032/243525 Fax: 08924-243590/243092

| Item  | Material Code | Description                                     | UoM* | Total Quantity | Delivery Date |
|-------|---------------|---|------|----------------|---------------|
| 00010 | M1878232201   | VALVE,BTFL,WFR,A351-CF8M,PN10,80MM,MAN          | NO   | 136.000        | 30.09.2023    |
| 00020 | M1878219456N  | BTR-FLY V/V: MAN-WAFR-PN10 WCB, 200NB           | NO   | 18.000         | 30.09.2023    |
| 00030 | M1878232202   | VALVE,BTFL,WFR,SS,PN10,100MM                    | NO   | 40.000         | 30.09.2023    |
| 00040 | M1878232203   | B-FLY V/V:<br>MAN-WFR,PN10,A351,CF8M,150NB      | NO   | 116.000        | 30.09.2023    |
| 00050 | M1878232205   | BTR.FLY<br>V/V-MAN-<br>WFR,PN10,A351,CF8M,200NB | NO   | 32.000         | 30.09.2023    |
| 00060 | M1878270652   | BTR-FLY V/V: MAN-WFR,PN10 FG260,150MM           | NO   | 9.000          | 30.09.2023    |
| 00070 | M1878270670   | BUTTERFLY VLV 400 MM,<br>API:609,PN-10          | NO   | 16.000         | 30.09.2023    |
| 00080 | M1878270964   | B-FLY V/V:MAN-WAFR:PN16<br>FG260:300MM          | NO   | 20.000         | 30.09.2023    |
| 00090 | M1878275666   | VALVE,BTFL,WFR,PN10,400MM,MAN                   | NO   | 6.000          | 30.09.2023    |

( UOM Legends :- NO - Number )

Tender Enquiry No. 9900258055

**TECHNICAL DATA SHEET**

|   |
|---|
| <p><b>00010 - M1878232201</b></p> <p><b>Specification</b><br/> 80NB WAFER TYPE BUTTERFLY VALVE ASSEMBLY AS PER<br/> DESIGN STD : EN-593/API:609/IS 13095<br/> TESTING STD : API 598 / BS EN 12266 PART 1<br/> MANUALLY HANDLE OPERATED<br/> END Connection: Wafer suitable between flanges as per ASME B16.5 CLASS 150<br/> PRESSURE RATING:- PN-10<br/> MATERIAL OF CONSTRUCTION<br/> BODY &amp; DISC : CF8M AS PER ASTM A351<br/> SHAFT : SS 316<br/> SEAT : EPDM-H<br/> LEAKAGE CLASSIFICATION:-TIGHT SHUT OFF<br/> Application : Dry Ash with Air<br/> Temp : 80 Deg C</p>  |
| <p><b>00020 - M1878219456N</b></p> <p><b>Specification</b><br/> 200 Nb Butterfly Valve WAFER TYPE mounted with Manual Gear box.<br/> DESIGN STD: API 609/ EN 593 (BS 5155)<br/> TESTING STD: API 598/ EN 12266-1<br/> Wafer Type.<br/> END Connection: Wafer suitable between flanges as per ASME B16.5 CLASS 150<br/> Pressure Rating - PN 10.<br/> MOC:<br/> Body- ASTM A 216 GR WCB<br/> Disc- ASTM A351 GR CF8M<br/> Shaft/Stem- SS 410<br/> Spindle- SS-410<br/> Seat- EPDM<br/> Fluid medium handled.- Sea Water at ambient temperature<br/> LEAKAGE CLASSIFICATION:-TIGHT SHUT OFF<br/> Handwheel- MS + Epoxy Painting</p> |
| <p><b>00030 - M1878232202</b></p> <p><b>Specification</b><br/> 100NB WAFER TYPE BUTTERFLY VALVE ASSEMBLY AS PER<br/> DESIGN STD : EN-593/API:609/IS 13095<br/> TESTING STD : API 598 / BS EN 12266 PART 1<br/> MANUALLY HANDLE OPERATED<br/> END Connection: Wafer suitable between flanges as per ASME B16.5 CLASS 150<br/> PRESSURE RATING:- PN-10<br/> MATERIAL OF CONSTRUCTION<br/> BODY &amp; DISC : CF8M AS PER ASTM A351<br/> SHAFT : SS 316<br/> DISC SEAL / SHAFT SEAL / SEAT : EPDM-H<br/> LEAKAGE CLASSIFICATION:-TIGHT SHUT OFF<br/> Application : Dry Ash with Air<br/> Temp : 80 Deg C</p>                          |
| <p><b>00040 - M1878232203</b></p> <p><b>Specification</b><br/> 150NB WAFER TYPE BUTTERFLY VALVE ASSEMBLY AS PER<br/> DESIGN STD : EN-593/API:609/IS 13095<br/> TESTING STD : API 598 / BS EN 12266 PART 1<br/> MANUALLY HANDLE OPERATED</p>   |

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END Connection: Wafer suitable between flanges as per ASME B16.5 CLASS 150  
 PRESSURE RATING:- PN-10  
 MATERIAL OF CONSTRUCTION  
 BODY & DISC : CF8M AS PER ASTM A351  
 SHAFT : SS 316  
 DISC SEAL / SHAFT SEAL / SEAT : EPDM-H  
 LEAKAGE CLASSIFICATION:-TIGHT SHUT OFF  
 Application : Sea Water at Ambient Temperature

**00050 - M1878232205****Specification**

200NB WAFER TYPE BUTTERFLY VALVE ASSEMBLY AS PER  
 DESIGN STD : EN-593/API:609/IS 13095  
 TESTING STD : API 598 / BS EN 12266 PART 1  
 MANUALLY HANDLE OPERATED  
 END Connection: Wafer suitable between flanges as per ASME B16.5 CLASS 150  
 PRESSURE RATING:- PN-10  
 MATERIAL OF CONSTRUCTION  
 BODY & DISC : CF8M AS PER ASTM A351  
 SHAFT : SS 316  
 DISC SEAL / SHAFT SEAL / SEAT : EPDM-H  
 LEAKAGE CLASSIFICATION:-TIGHT SHUT OFF  
 Application : Sea Water at Ambient Temperature

**00060 - M1878270652****Specification**

150 NB WAFER LUG TYPE BUTTERFLY VALVE WITH HAND LEVER  
 1. VALVE TYPE # LUGGED WAFER  
 2. DESIGN STANDARD # EN-593/API:609/IS 13095  
 3. TESTING STANDARD: API 598 / BS EN 12266 PART 1  
 4. TYPE OF OPERATION # LEVER OPERATED  
 5. END CONNECTION:-LUGGED WAFER TO SUIT BETWEEN A PAIR OF FLANGES CONFIRMING TO ANSI B16.5 CLASS-150lbs  
 6. PRESSURE RATING: PN-10  
 6. HYDRAULIC TEST PRESSURE:  
 (a) BODY-15 kg/cm<sup>2</sup>  
 (b) SEAT & BACK SEAT - 10 kg/cm<sup>2</sup>  
 7. MATERIAL OF CONSTRUCTION:  
 a. BODY - CAST IRON AS PER IS-210,FG-260  
 b. DISC # SG IRON BS 2789 Gr.420/12  
 c. SEAT - EPDM-H  
 d. SPINDLE # AISI 420  
 e. SPINDLE 'O' RING # EPDM-H  
 f. BEARING BUSH - PTFE LINED  
 8. LEAKAGE CLASSIFICATION:-TIGHT SHUT OFF  
 LEVER:-PRESSED STEEL/MALLEABLE IRON

**00070 - M1878270670****Specification**

400 Nb Butterfly Valves.  
 Type: Gear Box Operated, Wafer Type, Class 150.  
 Design Std: EN-593/API:609/IS 13095  
 TESTING STANDARD: API 598 / BS EN 12266 PART 1  
 Drilling Std: DRILLING STD : IS 6392 TABLE 11  
 Class: PN 10  
 Body: CI IS210 FG260+EPOXY  
 Disc: SGI DIN1693 GGG40+ EPOXY  
 Body Liner- EPDM  
 Shaft- SS 410

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HYD.TEST PRESS-

1) BODY: 15 KSC

2) SEAT: 11 KSC

LEAKAGE CLASSIFICATION:-TIGHT SHUT OFF

Fluid handled: Sea Water at ambient temp.

**00080 - M1878270964****Specification**

BUTTER FLY VALVE SIZE 300MM, WAFER TYPE, MANUAL OPERATION BY GEARBOX,

1. VALVE TYPE # LUGGED WAFER

2. DESIGN STANDARD # EN-593/API:609/IS 13095

3. TESTING STANDARD: API 598 / BS EN 12266 PART 1

4. END CONNECTION:-LUGGED WAFER TO SUIT BETWEEN A PAIR OF FLANGES CONFIRMING TO ANSI B16.5 CLASS-150lbs

5. PRESSURE RATING: PN-16

6. HYDRAULIC TEST PRESSURE:

(a) BODY-24 Kg/cm<sup>2</sup>(b) SEAT & BACK SEAT - 18 Kg/cm<sup>2</sup>

7. MATERIAL OF CONSTRUCTION:

a. BODY - CAST IRON AS PER IS-210, FG-260+EPDM/NITRILE MOULDED

b. DISC # SG IRON BS 2789 Gr.420/12

c. SEAT - EPDM-H

d. SPINDLE # AISI 420

e. SPINDLE 'O' RING # EPDM-H

f. BEARING BUSH - PTFE LINED

8. LEAKAGE CLASSIFICATION:-TIGHT SHUT OFF

HANDWHEEL:-PRESSED STEEL/MALLEABLE IRON

**00090 - M1878275666****Specification**

400 Nb Butterfly Valves.

Type: Gear Box operated, Wafer Type, Class 150.

Class: PN 10

Body: SG IRON EN 1563-400/18

Disc: SG IRON EN 1563-400/18 with Nylon Coating

Body Liner- Nitrile Rubber

Shaft- ASTM A 479 TYPE 410 with Xylan coating , 17-4 Ph

Fasteners- SS316

Design Std: API 609

Gear Unit: Worm Type

Testing Std: EN 12266 PART 1 &amp; 2, API 598, ISO 5208

Drilling Std: DRILLING STD : IS 6392 TABLE 11

LEAKAGE CLASSIFICATION:-TIGHT SHUT OFF

Fluid handled: Sea Water at ambient temp.

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**ITEM DATA SHEET**

| Material Code | Item Text  |
|---------------|--|
| M1878232201   |  |
| M1878275666   | PDI applicable.<br><br>All vendors shall#submit final acceptance of MQP for review and approval by NTPC during tendering stage and no review & approval of MQP after PO place. |



**Tender Enquiry No.** 9900258055

**SPECIAL INSTRUCTION**

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- 1) AGENCY TO QUOTE AS PER TECHNICAL SPECIFICATIONS MENTIONED IN THE ANNEXURE
- 2) AGENCY SHOULD SUBMIT THEIR DRAWINGS FOR TECHNICAL ACCEPTANCE AND APPROVAL.
- 3) WARRANTY : 12 months from the date of installation/ commissioning or 18 months from the date of supply whichever is earlier. AGENCY HAS TO SUBMIT GUARANTEE/ WARRANTY CERTIFICATE AT THE TIME OF DELIVERY.
- 4) INSPECTION: For Item 90, Pre dispatch inspection (PDI) shall be carried out by NTPC RIO at the works of vendor as per technical specification, drawing, standard quality plan, etc . Item 90 to be dispatched only after issue of MDCC from NTPC. For Other Items, Inspection shall be done at NTPC Site Stores.

Vendor shall submit following documents along with Supply (Applicable for All Items) -

- a) Hydro/pneumatic test report for valve body and valve seat.
- b) Report of grade verification by PMI for accessible SS/alloy steel parts.
- c) Functional test report of assembled valve.

Item shall be accepted based on Certificate of Conformance / Interchangeability Certificate, Valid Calibration Certificate, Manufacturer's TC or Lab TC (as the case may be)

Material will be subjected to PMI for Grade confirmation for SS and Alloy steel If any.



USSC-CPG1

PPG-QA



| <b>Standardised Quality Plan</b> |                  |
|----------------------------------|------------------|
| Item                             | Butterfly Valve  |
| SQP No.                          | CPG-QA-SQP-M-101 |
| Rev                              | 01               |

**ANKUS** Digitally signed  
by ANKUSH BIRLA  
**H BIRLA** Date: 2023.02.09  
10:56:23 +05'30'

| Manufacturer Name & address:     |                                    | ITEM (MATERIAL, CLASS, GRADE, RATING, RANGE, SIZE ETC.):<br><br>BUTTERFLY VALVES |       | MANUFACTURING QUALITY PLAN  |  |     |   |  |                       |    | AGENCY |   |   | REMARKS |                                       |    |
|----------------------------------|------------------------------------|--|-------|---|--|-----|---|--|-----------------------|----|--------|---|---|---------|---------------------------------------|----|
|                                  |                                    |  |       | CONFORMING TO CODE : Rel. Standard/ NTPC PO specifications/ Approved Drawing/ approved datasheet/ |  |     |   |  |                       |    |        |   |   |         |                                       |    |
| Sl No                            | COMPONENT & OPERATIONS             | CHARACTERISTICS  | CLASS | TYPE OF CHECK   | QUANTUM OF CHECK                               |     | REFERENCE DOCUMENT                                | ACCEPTANCE NORMS                             | FORMAT OF RECORD      |    | M      | C | N |         |                                       |    |
|                                  |                                    |  |       |   | M  | C/N |   |  |                       | D* |        |   |   |         | **                                    | 10 |
| 1                                | 2                                  | 3  | 4     | 5   | 6  |     | 7   | 8  | 9                     |    |        |   |   | 11      |                                       |    |
| <b>1.0 RAW MATERIAL</b>          |                                    |  |       |   |  |     |   |  |                       |    |        |   |   |         |                                       |    |
| 1.1                              | BODY & DISC CASTING                | i) Chemical Properties   | Major | Chemical Analysis   | 1 samp e/ heat                                 | -   | Approved Drawing/ Approved Data Sheet/Tech. Specs | Foundry TC                                   | ✓                     | P  | V      | V |   |         |                                       |    |
|                                  |                                    | ii) Mechanical Properties  | Major | Mech Test   |  |     |   |  |                       | ✓  | P      | V | V |         |                                       |    |
|                                  |                                    | iii) Surface Defects   | Major | Visual  | 100%   | -   |   |  | MSS-SP-55             | IR | -      | P | V | V       |                                       |    |
| 1.2                              | BAR STOCK FOR SHAFT (DRIVE & STUB) | i) Chemical Properties   | Major | Chemical Analysis   | 1 sample/ heat                                 | -   | Approved Drawing/ Approved Data Sheet/Tech. Specs | TC   | ✓                     | P  | V      | V |   |         |                                       |    |
|                                  |                                    | ii) Mechanical Properties  | Major | Mech Test   |  |     |   |  |                       | ✓  | P      | V | V |         |                                       |    |
|                                  |                                    | iii) Internal Defects  | Major | UT  | 100%   | -   |   |  | ASTM A388 See note-1  | IR | ✓      | P | V | V       | applicable if shaft diameter >= 50 MM |    |
| 1.3                              | Clamping Ring & Segment ring       | i) Chemical Properties   | Major | Chemical Analysis   | 1 sample/ heat                                 | -   | Approved Drawing/ Approved Data Sheet/Tech. Specs | TC   | ✓                     | P  | V      | V |   |         |                                       |    |
|                                  |                                    | ii) Mechanical Properties  | Major | Mech Test   |  |     |   |  |                       | ✓  | P      | V | V |         |                                       |    |
|                                  |                                    | iii) Solution Annealing  | Major | Chemical  | 10%  | -   |   |  |                       | TC | ✓      | P | V | V       |                                       |    |
|                                  |                                    | iv) IGC Test   | Major | Chemical  | 1 sample/ heat                                 | -   | ASTM A262 Practice-A                              | TC   | ✓                     | P  | W      | V |   |         |                                       |    |
| 1.4                              | Rubber Seal                        | i) Dimensions  | Major | Measurement   | 1 sample/ size/ batch                          | -   | Manufacturing Drawing                             | IR   | -                     | P  | V      | - |   |         |                                       |    |
|                                  |                                    | ii) Surface finish   | Major | Visual  | 100%   | -   | Mfg. Drg. No Burrs                                | IR   | -                     | P  | V      | - |   |         |                                       |    |
|                                  |                                    | iii) Shore Hardness  | Major | Measurement   | 1 sample/ heat                                 | -   | ASTM D2240  | As per PO specs/ Approved Datasheet/ Drawing | TC                    | ✓  | P      | V | V |         |                                       |    |
|                                  |                                    | iv) Tensile Strength   | Major | Measurement   |  |     | ASTM D412   |  | TC                    | ✓  | P      | V | V |         |                                       |    |
|                                  |                                    | v) Elongation  | Major | Measurement   |  |     | ASTM D412   |  | TC                    | ✓  | P      | V | V |         |                                       |    |
|                                  |                                    | vi) Compression Test   | Major | Physical properties   |  |     | ASTM D395 22 hrs @212°F                           |  | TC                    | ✓  | P      | V | V |         |                                       |    |
|                                  |                                    | vii) Water resistance (Hydraulic Stability)                                      | Major | Measurement   |  |     | ASTM D471   | -do-   | TC                    | ✓  | P      | V | V |         |                                       |    |
|                                  |                                    | viii) Heat Aging Test  | Major | Physical  |  |     | ASTM D865   | TC   | ✓                     | P  | V      | V |   |         |                                       |    |
| <b>2.0 IN-PROCESS INSPECTION</b> |                                    |  |       |   |  |     |   |  |                       |    |        |   |   |         |                                       |    |
| 2.1                              | Body & Disc after machining        | i) Dimensions  | Major | Measurement   |  |     | 100%  | -  | Manufacturing Drawing | IR | -      | P | - | -       |                                       |    |
|                                  |                                    | ii) Surface defect of machined surface   | Major | DPT   | ASTM E 165 ANSI B 16.34                        | IR  |   |  | ✓                     | P  | V      | V |   |         |                                       |    |
|                                  |                                    | iii) Body shell strength   | Major | Hydro test  | Apprd. drg./ DS / Relevant Standard No Leakage | IR  |   |  | ✓                     | P  | V      | V |   |         |                                       |    |
| 2.2                              | Drive & stub shafts                | i) Dimensions  | Major | Measurement   | 100%   | -   | Manufacturing Drawing                             | IR   | -                     | P  | -      | - |   |         |                                       |    |
|                                  |                                    | ii) Surface finish   | Major | Visual  |  |     | Mfg. Drg. No Burrs                                | IR   | -                     | P  | -      | - |   |         |                                       |    |
|                                  |                                    | iii) Surface Defects   | Major | DPT   |  |     | ASTM E 165 ANSI B 16.34                           | IR   | ✓                     | P  | V      | V |   |         |                                       |    |
| 2.3                              | Casing                             | Body shell strength  | Major | Hydro test  |  |     | Apprd. drg./ DS / Relevant Standard No Leakage    | IR   | ✓                     | P  | V      | V |   |         |                                       |    |

| SI No  | COMPONENT & OPERATIONS  | CHARACTERISTICS   | CLASS    | TYPE OF CHECK    | QUANTUM OF CHECK         |                             | REFERENCE DOCUMENT                             | ACCEPTANCE NORMS | FORMAT OF RECORD |    | AGENCY |     |     | REMARKS |
|--|---|---|----------|------------------|--------------------------|-----------------------------|--|------------------|------------------|----|--------|-----|-----|---------|
|  |   |   |          |                  | M                        | C/N                         |  |                  |                  | D* | M      | C   | N   |         |
| 1  | 2   | 3   | 4        | 5                | 6                        |                             | 7  | 8                | 9                |    | **     | 10  |     | 11      |
| <b>3.0 FINAL INSPECTION</b>  |   |   |          |                  |                          |                             |  |                  |                  |    |        |     |     |         |
| 3.1  | Complete valve  | i) Visual & Dimension   | Major    | Measurement      | 100% /10%                |                             | Approved Drawing/Data Sheet/ Relevant standard | TC/IR            | ✓                | P  | W      | W   | CHP |         |
|  |   | ii) Shell tightness test  | Critical | Hydro test       |                          |                             |  | No Leakage       | TC               | ✓  | P      | W   | W   | CHP     |
|  |   | iii) Seat tightness test  | Critical |                  | No permanent deformation | TC                          | ✓  |                  | P                | W  | W      | CHP |     |         |
|  |   | iv) Disc Strength test <small>(Applicable for BFV supplied as per AWWA C 504)</small> | Critical |                  |                          | 1/ size                     | TC   | ✓                | P                | V  | V      |     |     |         |
|  |   | v) Functional test - smooth operation, limit setting, interlocs (if applicable)       | Critical | Operation        | 100% /10 %               | Approved Data sheet/Drawing | TC   | ✓                | P                | W  | W      | CHP |     |         |
| 3.2  | Painting  | Paint appearance thickness & adhesion   | Major    | Visual & measure | 100%                     | -                           | PO Specs/ Approved Datasheet/ Drawing          | IR               | -                | P  | V      | -   |     |         |
| 3.3  | Marking   | Name plate/ Flow direction indication   | Minor    | visual           | 100%                     | -                           | Approved Drawing                               |                  | -                | P  | -      | -   |     |         |
| <b>NOTES:</b>  |   |   |          |                  |                          |                             |  |                  |                  |    |        |     |     |         |
| 1  | Probe of 2MHz frequency and and 20 mm diameter shall be used. With this probe the Back Wall Echo (BWE) in sound area shall be set at 100% FSH (Full Screen Height). At this gain any setting, any defect Echo>20% FSH is not acceptable. Also, loss of BWE>20% FSH is not acceptable. |   |          |                  |                          |                             |  |                  |                  |    |        |     |     |         |
| <b>LEGEND: *D-RECORDS, IDENTIFIED WITH "TICK" ( ✓ ) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.</b>   |   |   |          |                  |                          |                             |  |                  |                  |    |        |     |     |         |
| <b>** M: MANUFACTURER / SUB-SUPPLIER, C: MAIN SUPPLIER, N: CUSTOMER, P: PERFORM, W: WITNESS AND V: VERIFICATION AS APPROPRIATE. CHP: CUSTOMER SHALL IDENTIFY IN COLUMN "N" AS "W".</b> |   |   |          |                  |                          |                             |  |                  |                  |    |        |     |     |         |
| <b>IR: INSPECTION REPORT(S), TC: TEST CERTIFICATE(S), TR: TEST REPORTS</b>   |   |   |          |                  |                          |                             |  |                  |                  |    |        |     |     |         |

Format No.: QS-01-QAI-P-10/F3-RL

Engg. Div./QA&I

- 2 Reference and Acceptance norms shall be derived from following in the same sequence-
  - 1) NTPC Approved drawing / data sheet ; 2) NTPC tech specs ; 3) Purchase Order ; 4) Relevant national standard
  - 5) Relevant International standard ; 6) Manufacturer's standard 7) Good Engineering practices
- 3 Main Contractor Column may please be ignored.
4. TCs of Routine test of Actuator( as applicable)shall be reviewed by NTPC/authorized representative.

QP OF ELECTRIC ACTUATOR (as applicable)

| SL NO | Component & operation                  | Characteristics                             | Class | Type of Check | Quantum of Check |            | Reference Documents           | Acceptance Norms | Format of Records                           | D* | Agency |   |   | Remarks |  |  |  |  |  |
|-------|--|---|-------|---------------|------------------|------------|-------------------------------|------------------|---|----|--------|---|---|---------|--|--|--|--|--|
|       |  |   |       |               | M                | C          |                               |                  |   |    | M      | C | N |         |  |  |  |  |  |
| 1     | 2                                      | 3   | 4     | 5             | 6                |            | 7                             | 8                | 9   | 10 |        |   |   |         |  |  |  |  |  |
| 1     | ACTUATOR BASIC ASSEMBLY AND HAND WHEEL | FUNCTIONAL and SURFACE FINISH               | MAJOR | TESTING       | 100 %            | -          | Tech. Spec./ Apprd. Drg. / DS |                  | CONFORMANCE CERTIFICATE/ FINAL INSP. RECORD |    | P      | V | V |         |  |  |  |  |  |
| 2     | MOTOR                                  | ROUTINE                                     | MAJOR | TESTING       | 100 %            | -          | Tech. Spec./ Apprd. Drg. / DS |                  | TEST REPORT                                 |    | P      | V | V |         |  |  |  |  |  |
| 3     | POTENTIOMETER                          | RESISTANCE VALUE                            | MAJOR | MEASUREMENT   | 5 Nos. / Lot     | -          | Tech. Spec./ Apprd. Drg. / DS |                  | GRN   |    | P      | - | - |         |  |  |  |  |  |
|       | (WHEREVER APPLICABLE)                  |   |       |               |                  |            |                               |                  |   |    |        |   |   |         |  |  |  |  |  |
| 4     | ELECTRONIC POSITION TRANSMITTER        | OUTPUT MEASUREMENT                          | MAJOR | MEASUREMENT   | 5 Nos. / Lot     | -          | Tech. Spec./ Apprd. Drg. / DS |                  | GRN   |    | P      | - | - |         |  |  |  |  |  |
|       | (WHEREVER APPLICABLE)                  |   |       |               |                  |            |                               |                  |   |    |        |   |   |         |  |  |  |  |  |
| 5     | ELECTRICAL TEST FOR INTEGRAL STARTERS  | HV TEST @ 1.1 kV for 60 sec<br>BURN IN TEST | MAJOR | PERFORMANCE   | 100%             | -          | Tech. Spec./ Apprd. Drg. / DS |                  | SUPPLIER TC                                 | ✓  | P      | V | V |         |  |  |  |  |  |
|       |  |   |       |               |                  |            |                               |                  |   |    |        |   |   |         |  |  |  |  |  |
|       |  |   |       |               |                  |            |                               |                  |   |    |        |   |   |         |  |  |  |  |  |
| 6     | OUTPUT DRIVE ASSLY (If applicable)     |   |       |               |                  |            |                               |                  |   |    |        |   |   |         |  |  |  |  |  |
| 6.1   | MOUNTING FLANGE                        | MECHANICAL PROPERTIES                       |       |               |                  |            |                               |                  |   |    |        |   |   |         |  |  |  |  |  |
|       |  | 1. TENSILE STRENGTH and ELONGATION          | MAJOR | MEASUREMENT   | ONE / HEAT       | ONE / HEAT | Tech. Spec./ Apprd. Drg. / DS |                  | SUPPLIER TC                                 |    | P      | V | - |         |  |  |  |  |  |
|       |  | 2. SURFACE DEFECTS                          | MAJOR | VISJAL        | 5 Nos. / Lot     | -          |                               |                  | GRN   |    | P      | V |   |         |  |  |  |  |  |

LEGEND: D\* - RECORDS, IDENTIFIED WITH "TICK" SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION

M-MANUFACTURER/SUB CONTRACTOR ; C- CONTRACTOR / NOMINAL AGENCY; N-NTFC,

P-PERFORM; W-WITNESS; AND V-VERIFICATION, ALL W INDICATED IN COLUMN "N" SHALL BE "CHP" OF NTFC

QP OF ELECTRIC ACTUATOR

| Sl. NO | Component & operation | Characteristics   | Class    | Type of Check         | Quantum of Check |     | Reference Documents           | Acceptance Norms | Format of Records | Agency |    |   | Remarks |   |  |
|--------|-----------------------|---|----------|-----------------------|------------------|-----|-------------------------------|------------------|-------------------|--------|----|---|---------|---|--|
|        |                       |   |          |                       | M                | C   |                               |                  |                   | M      | C  | N |         |   |  |
| 1      | 2                     | 3   | 4        | 5                     | 6                |     | 7                             | 8                | 9                 | D*     | 10 |   |         |   |  |
| 6.2    | RING NUT              | 1. CHEMICAL COMPOSITION                                     | MAJOR    | CHEMICAL ANALYSIS     | ONE / HEAT       | --  | Tech. Spec./ Apprd. Drg. / DS | TC /IR           |                   | D*     | P  | - | -       |   |  |
|        |                       | 2. HARDNESS   | MAJOR    |                       | ONE / HEAT       |     |                               |                  |                   |        | P  | - | -       |   |  |
|        |                       | 3. SURFACE DEFECTS  | MAJOR    | VISUAL                | 5 Nos. / Lot     |     |                               |                  |                   |        | P  | - | -       |   |  |
| 6.3    | STEM NUT              | 1. CHEMICAL COMPOSITION                                     | MAJOR    | CHEMICAL ANALYSIS     | ONE / HEAT       | --  | Tech. Spec./ Apprd. Drg. / DS |                  |                   | D*     | P  | V | V       |   |  |
|        |                       | 2. TENSILE STRENGTH   | MAJOR    | TESTING               | ONE / HEAT       |     |                               |                  |                   |        | P  | V | V       |   |  |
|        |                       | 3. HARDNESS   |          |                       |                  |     |                               |                  |                   |        | P  | V | V       |   |  |
|        |                       | 4. SURFACE DEFECTS  | MAJOR    | VISUAL                | 5 Nos. / Lot     |     |                               |                  |                   |        | P  | V | V       |   |  |
| 7      | FINAL TESTING         | 1 WIRING CONTINUITY   | CRITICAL | PHYSICAL / ELECTRICAL | 100%             | 10% | Tech. Spec./ Apprd. Drg. / DS |                  |                   | D*     | ✓  | P | W10% #  | V |  |
|        |                       | 2 CORRECT PHASE   |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |
|        |                       | 3 OPERATION & SETTING OF                                    |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |
|        |                       | a) LIMIT SWITCHES   |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |
|        |                       | b) TORQUE SWITCHES  |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |
|        |                       | 4 24V DC Output   |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |
|        |                       | 5 NO LOAD CURRENT AND CURRENT for 50 % and 90% RATED TORQUE |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |
|        |                       | 6 HAND WHEEL & AUTO DECLUTCH FUNCTION                       |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |
|        |                       | 7 OUTPUT SPEED  |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |
|        |                       | 8 POTENTIOMETER   |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |
|        |                       | 9 TORQUE TEST AT 90% OF RATED VOLTAGE                       |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |
|        |                       | 10 INSULATION RESISTANCE                                    |          |                       |                  |     |                               |                  |                   |        |    |   |         |   |  |

LEGEND: D\* - RECORDS, IDENTIFIED WITH "TICK" SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION  
M-MANUFACTURER/SUB CONTRACTOR ; C- CONTRACTOR / NOMINAL AGENCY, N-NTPC,  
P-PERFORM; W-WITNESS; AND V-VERIFICATION, ALL W INDICATED IN COLUMN "N" SHALL BE "CHP" OF NTPC

QP OF ELECTRIC ACTUATOR

| SL NO | Component & operation | Characteristics   | Class    | Type of Check                       | Quantum of Check |     | Reference Documents                             | Acceptance Norms                               | Format of Records | Agency |      |   | Approved Remarks |
|-------|-----------------------|---|----------|-------------------------------------|------------------|-----|---|--|-------------------|--------|------|---|------------------|
|       |                       |   |          |                                     | M                | C   |   |  |                   | M      | C    | N |                  |
| 1     | 2                     | 3   | 4        | 5                                   | 6                | 7   | 8   | 9  | D*                | 10     |      |   |                  |
|       |                       | 11 HV TEST FOR 60 sec<br>- @ 1.6 kV NORM ACTUATOR<br>- @ 1.1 kV EPAC ACTUATOR | CRITICAL | PHYSICAL / ELECTRICAL               | 100%             | 10% | Tech. Spec./ Apprd. Drg. / DS                   | QC-FINAL INSP. REPORT;<br>QC/FM.006            | ✓                 | P      | W10# | V |                  |
|       |                       | VISUAL  |          |                                     |                  |     |   |  |                   |        |      |   |                  |
|       |                       | VISUAL  |          |                                     |                  |     |   |  |                   |        |      |   |                  |
|       |                       | 14 ELECTRONIC POSITION TRANSMITTER  |          | OUTPUT MEASUREMENT                  |                  |     |   |  |                   |        |      |   |                  |
|       |                       | 15 PAINTING   |          | SHADE, PAINT THICKNESS and ADHESION | 1 No. / BATCH    | -   | TD/QW.005 Tech.Spec. / NTPC Approved Data sheet | TD/QW.005 Tech.Spec./ NTPC Approved Data sheet |                   | P      | V    | - |                  |

LEGEND: D\* - RECORDS, IDENTIFIED WITH "TICK" SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION  
M-MANUFACTURER/SUB CONTRACTOR ; C- CONTRACTOR / NOMINAL AGENCY; N-NTPC,  
P-PERFORM; W-WITNESS; AND V-VERIFICATION, ALL W INDICATED IN COLUMN "N" SHALL BE "CHP" OF NTPC



- A) Reference and Acceptance norms shall be derived from following in the same sequence-  
1) NTPC Approved drawing / data sheet ; 2) NTPC tech specs ; 3) Purchase Order ; 4) Relevant national standard  
5) Relevant International standard ; 6) Manufacturer's standard 7) Good Engineering practices  
B) Main Contractor Column may please be ignored.  
C) PMI to be carried out on accessible alloy steel components during final inspection. PMI facility to be arranged by Manufacturer.

**INVITATION FOR BIDS (IFB)**

**NTPC LIMITED**

**(A GOVERNMENT OF INDIA ENTERPRISE)**

*Central Procurement Group-I, Raipur*

**INVITATION FOR BIDS (IFB)  
(DOMESTIC COMPETITIVE BIDDING)**

NTPC invites online bids for “**Procurement of Butterfly valves for NTPC Simhadri.**”

**Brief Details:**

|                                    |  |
|------------------------------------|--|
| <b>NIT No.</b>                     | <b>NTPC/USSC-CPG1/ 9900258055</b>      |
| <b>Tender Fees</b>                 | Not Applicable                         |
| <b>EMD</b>                         | <b>INR 1,00,000.00 (One Lakh Only)</b> |
| <b>Delivery/ Completion period</b> | Within 120 days from PO                |

**General Terms & Conditions:**

1. NTPC reserve the right to assess bidder’s capability and capacity of the bidder for carrying out the supplies and the decision of NTPC in this regard shall be final.
2. NTPC reserves the right to accept or reject any or all the tenders in part or full including rejection of any request for issue of tender documents, alter the quantities or split the order without assigning any reason thereof.
3. Above details are only indicative. Other detailed terms and conditions shall be as per tender documents.

Address for Communication:  
GM (C&M)-CPG-1/ AGM(C&M)-CPG-1

NTPC Limited, Western Region II Headquarters,  
Plot No-87, Sector-24, Atal Nagar,  
Naya Raipur, Raipur  
Chhatisgarh-492018  
Email:- [usgupta01@ntpc.co.in](mailto:usgupta01@ntpc.co.in)/[dppradhan@ntpc.co.in](mailto:dppradhan@ntpc.co.in)/[amitksingh@ntpc.co.in](mailto:amitksingh@ntpc.co.in)

Contact Nos.: Amit Kumar Singh: 9415335083/ Durga Prasad Pradhan: 7008084608



## BUYER ADDED ADDITIONAL TERMS & CONTIONS (ATC)

### 1. TERMS & CONDITIONS:

- 1. Delivery/ Completion Period:** Within 120 days from PO
- 2. Payment Term:** 100% payment within 10 days of Consignee's Receipt & Acceptance Certificate (CRAC) Generation in GeM.
- 3. Inspection:** For Item 90, Pre dispatch inspection (PDI) shall be carried out by NTPC RIO at the works of vendor as per technical specification, drawing, standard quality plan, etc . Item 90 to be dispatched only after issue of MDCC from NTPC. For Other Items, Inspection shall be done at NTPC Site Stores.

Vendor shall submit following documents along with Supply (Applicable for All Items) -

- a) Hydro/pneumatic test report for valve body and valve seat.
- b) Report of grade verification by PMI for accessible SS/alloy steel parts.
- c) Functional test report of assembled valve.

Item shall be accepted based on Certificate of Conformance / Interchangeability Certificate, Valid Calibration Certificate, Manufacturer's TC or Lab TC (as the case may be)

Material will be subjected to PMI for Grade confirmation for SS and Alloy steel If any.

- 4. WARRANTY / GUARANTEE:** 12 months from the date of installation/ commissioning or 18 months from the date of supply whichever is earlier. AGENCY HAS TO SUBMIT GUARANTEE/ WARRANTY CERTIFICATE AT THE TIME OF DELIVERY.
- 5. PBG (Performance bank Guarantee):** Contract Performance Guarantee (CPG) for an amount equal to 10% of total order value of GeM Contract to be submitted within 30 days of placement of award. CPG should be valid for a period of 24 months (4 months completion period + 18 months warranty + 2 months claim period).

### 2. ELIGIBILITY FOR PARTICIATION IN TENDER:

'Class-I local suppliers' only are eligible to participate in this tender, as defined in the bidding documents/ Public Procurement (Preference to Make in India), Order 2017 and its subsequent amendments/ revisions issued by DPIIT. The bidders may apprise themselves of the relevant provisions of bidding documents in this regard before submission of their bids."

**The minimum local content shall be 60%.**

The 'Class-I local supplier' shall be required to provide, in the Bid Form/relevant attachment of Techno- Commercial bid, self-certification/declaration that the Item offered meets the local content requirement for 'Class-I local supplier' and shall give details of the location(s) at which the local value addition is made. Format is attached as **Annexure A**.

Bids for item(s) which do not meet the Minimum Local Content as mentioned above, shall be considered non-responsive and shall not be evaluated in respect of such item(s) i.e. shall be rejected for such item(s).

## Annexure A

Bidding Document No:.....

### Declaration of Local content

Dear Sir,

- 1.1 We have read the provisions of “Preference to Make in India and Eligibility for granting of Purchase Preference to Class-I local suppliers” enclosed with the Bid Data Sheets.

In terms of the requirement of the aforesaid provisions, we hereby declare that we have submitted our bids for only those item(s) for which we are eligible for participation as per provisions of the Bidding documents and we are Class-I local supplier for all such items.

The details of the location(s) at which the local value addition is made are as under:

| Sl. No. of BOQ | Description of Goods                      | Details of the location(s) at which the local value addition is made |
|----------------|---|--|
| 10             | VALVE, BTFL, WFR, A351-CF8M,PN10,80MM,MAN |  |
| 20             | BTR-FLY V/V: MAN-WAFR-PN10 WCB, 200NB     |  |
| 30             | VALVE,BTFL,WFR,SS,PN10,100MM              |  |
| 40             | B-FLY V/V: MAN-WFR,PN10,A351,CF8M,150NB   |  |
| 50             | BTR.FLY V/V-MAN-WFR,PN10,A351,CF8M,200NB  |  |
| 60             | BTR-FLY V/V: MAN-WFR,PN10 FG260,150MM     |  |
| 70             | BUTTERFLY VLV 400 MM, API:609,PN-10       |  |
| 80             | B-FLY V/V:MAN-WAFR:PN16 FG260:300MM       |  |
| 90             | VALVE,BTFL,WFR,PN10,400MM,MAN             |  |

- 1.2 We undertake that a certificate from the statutory auditor or cost auditor (in the case the bidder is a company) or from a practicing cost accountant or practicing chartered accountant (in respect of bidders other than companies) certifying the percentage of local content shall be submitted by us prior to submission of our last bill for payment.##

## This para is applicable in packages with estimated value (excluding taxes & duties) exceeding INR 10 Crores.

- 2.0 Further, we hereby confirm that we are presently not debarred / banned by any other procuring entity for violation of ‘Public Procurement (Preference to Make In India), Order 2017’ (PPP-MII Order) dated 15.06.2017 and its subsequent revisions / amendments issued by Department of Industrial Policy and Promotion (DIPP).

- 3.0 We agree to furnish any information as a proof of the above to your satisfaction as and when required.

Note : 1) Continuation sheets of like size and format, may be used as per Bidder's requirement and shall be annexed to this Attachment.

- 2) In case a Bidder has been banned/debarred by any other procuring entity for violation of ‘Public Procurement (Preference to Make In India), Order 2017’ (PPP- MII Order) dated 15.06.2017 and its subsequent revisions / amendments issued by Department of Industrial Policy and Promotion (DIPP), the same may be declared by Bidder by striking off para 2.0 above and declaring the details of banning using additional sheets which shall be annexed to this Attachment.

### **3. QUALIFYING REQUIREMENT**

The bidder who wishes to participate in the bidding shall meet the Qualifying Requirements stipulated hereunder:

#### **1.1 Technical Criteria:**

**1.1.1** The bidder should be a manufacturer/authorized dealer of manufacturer of Butterfly valves.

**1.1.2** The bidder should have executed the order(s) for “supply of Valves”, within preceding Seven (07) years prior to the date of Techno-Commercial bid opening, in any of the following manner:

**A.** One (1) order having executed value not less than **Rs. 54 Lakh**

**OR**

**B.** Two (2) orders having executed value not less than **Rs. 33 Lakh** each

**OR**

**C.** Three (3) orders having executed value not less than **Rs. 27 Lakh** each

#### **Notes for Technical Criteria:**

1. The word “Executed” mentioned above means that the bidder should have achieved the criteria specified above, even if the total contract is started earlier and/or is not completed/closed.
2. In case of orders under execution, the value of work executed prior to the date of Techno-Commercial bid opening duly certified by bidder’s client shall be considered acceptable.
3. For arriving at the executed value of work specified above, basic amount only shall be considered. In case contract is inclusive of taxes, bidder should provide the break –up of basic value and taxes.
4. Latest annual report OR NSIC / SSI / MSME registration certificate / BIS license / ISO certificate / any other statutory document as a proof of being manufacturer as per QR.

#### **1.2 Financial Criteria:**

**1.2.1** The Average Annual Turnover of the Bidder, should not be less than **Rs. 67Lakh (Rupees Sixty-seven lakh only)** during the preceding three (3) completed financial years as on the date of Techno-Commercial bid opening.

**1.2.2** In case the bidder does not satisfy the financial criteria, stipulated at Cl. 1.2.1 above on its own, its Holding Company would be required to meet the stipulated turnover requirements at Cl. 1.2.1 above, provided that the net worth of such Holding Company as on the last day of the preceding financial year is at least equal to or more than the paid-up share capital of the Holding Company. In such an event, the bidder would be required to furnish along with its Techno-Commercial bid, a Letter of Undertaking from the Holding Company, supported by Board Resolution, as per the format enclosed in the bid documents, pledging unconditional and irrevocable financial support for the execution of the Contract by the bidder in case of award.

**1.2.3** In case the bidder is not able to furnish its audited financial statements on standalone entity basis, the unaudited unconsolidated financial statements of the bidder can be considered

acceptable provided the bidder further furnishes the following documents for substantiation of its qualification.

- a) Copies of the unaudited unconsolidated financial statements of the bidder along with copies of the Audited consolidated financial statements of its Holding Company.
- b) A Certificate from the CEO/CFO of the Holding Company, as per the format enclosed in the bidding documents, stating that the unaudited unconsolidated financial statements form part of the Consolidated Annual Report of the company.

**1.2.4** In cases where audited results for the last preceding financial year as on the date of Techno-Commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case, Bidder is not able to submit the Certificate from practicing Chartered Accountant certifying its financial parameters, the audited results of three consecutive financial years preceding the last financial year shall be considered for evaluating the financial parameters. Further, a Certificate would be required from the CEO/CFO as per the format enclosed in the bidding documents stating that the financial results of the Company are under audit as on the date of Techno-Commercial bid opening and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.

**Notes for 1.2:**

1. Other income shall not be considered for arriving at annual turnover.
2. "Holding Company" and "Subsidiary Company" shall have the meaning ascribed to them as per Companies Act of India, in vogue.
3. Net worth means the sum total of the paid-up share capital and free reserves. Free reserve means all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further, any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.

**4. DOCUMENTS IN SUPPORT OF MEETING THE QUALIFYING REQUIREMENTS:**

The Bidder shall submit documents towards in support of meeting the QR stipulated in the Detailed NIT along with their bid (**ANNEXURE I**) which shall include:

- a) Company Registration certificate / certificate of incorporation/ Partnership agreement etc.
- b) Memorandum and Article of Association including changes in the constitution of the firm/company, name and address/(es) of Sole proprietor / partners / board of directors, partnership deed (up to date), if any, in case of partnership firm and affidavit for proprietorship concern.
- c) Copy of GST Registration document.

d) Copies of the Letter of Award/Purchase orders/Contracts along with Certificate(s) from the Client(s) for successful execution of the assignment with value and period of executions in support of meeting the QR as stipulated in NIT.

e) Copies of financial statement in support of meeting the QR as stipulated in NIT

f) Any Other Document in support of meeting the QR as stipulated in the Detailed NIT

The bidder shall be required to submit duly certified and verified documents from their Statutory Auditors or specified Third Party Inspection Agency (TPIA) in support of meeting Technical QR along with a certificate regarding verification of authenticity of documents as per the format placed at **Annexure-II** (Undertaking from Statutory Auditor) and/ or **Annexure III** (Undertaking from TPIA). All the documents submitted by the bidder in support of meeting Technical QR shall be digitally signed by the Statutory Auditor and/ or specified TPIA”

Further, wherever information can be drawn from books of accounts, records and other relevant documents, Bidders can also submit a certificate issued by their Independent Statutory Auditor certifying the data required for meeting the Technical Qualification Requirements.

**Details of submitted copy of Purchase Orders/ Work Orders / Contract Agreements, Client Certificates etc.), duly certified and verified by statutory auditors or specified TPIA should be entered in Annexure I.**

In case documents are certified & verified for authenticity through TPIA, the verification and certification of authenticity of documents is acceptable from any of the following TPIAs:

- 1) Société Générale de Surveillance / SGS India Pvt. Ltd.(SGS)
- 2) Gulf Lloyds Industrial Services (India) Pvt. Ltd (GLISPL)
- 3) International Certification Services (ICS)
- 4) TUV Rheinland (India) Pvt. Ltd.
- 5) TÜV SÜD South Asia Pvt. Ltd.
- 6) TUV India Pvt. Ltd. (TÜV Nord Group)
- 7) Intertek India Pvt. Ltd.
- 8) Moody International (India) Pvt. Ltd.
- 9) RINA India Pvt. Ltd.
- 10) Competent Inspectorate and Consultants LLP

The following website may be referred for contact details of above ten (10) TPIAs:

[http://nabcb.qci.org.in/accreditation/reg\\_bod\\_inspection\\_bodies.php](http://nabcb.qci.org.in/accreditation/reg_bod_inspection_bodies.php)

**Any document pertaining to reference works/ plants in support of Technical QR, which is not certified by specified TPIA or Statutory Auditor of the bidder, as per the format enclosed with the bidding documents, shall not be considered verified/ certified for the purpose of evaluation, and the bid shall be liable for rejection.**

The Bidder shall be responsible to get their documents/ credentials in support of Qualifying Requirements verified & certified by their Statutory Auditor(s) and/ or specified TPIAs. All the costs pertaining to third party verification and certification (including those by statutory auditors) shall be borne by the Bidder. Employer shall have no liability (financial or otherwise) towards the same and shall not be liable for any claim/ dispute between the bidder and TPIA and/ or Statutory Auditor.

**Bidders are required to fill Annexure I/ IA properly. These references shall only be considered to ascertain the bidder's compliance to Qualifying Requirement (QR).**

**Tender Reference/ NIT No:**

**ANNEXURE I**

Summary of Details & Documents in support of QR

Bidders Name and Address:

To,

**GM(C&M)**

**NTPC Limited, Central Procurement Group-I,  
NTPC WR-II office, Sector-24, Tuta,  
Naya Raipur, Chattisgarh - 492101 (India)**

| QR No. | QR Stipulation as in NIT  | Meet (Yes/No) | Brief Description along with supporting documents |
|--------|---|---------------|---|
| 1.1    | <b>Technical Criteria</b>   |               |   |
|        | <p><b>1.1.1</b> The bidder should be a manufacturer/authorized dealer of manufacturer of Butterfly valves.</p> <p><b>1.1.2</b> The bidder should have executed the order(s) for “supply of Valves”, within preceding Seven (07) years prior to the date of Techno-Commercial bid opening, in any of the following manner:</p> <p><b>A.</b> One (1) order having executed value not less than <b>Rs. 54 Lakh</b></p> <p style="text-align: center;"><b>OR</b></p> <p><b>B.</b> Two (2) orders having executed value not less than <b>Rs. 33 Lakh</b> each</p> <p style="text-align: center;"><b>OR</b></p> <p><b>C.</b> Three (3) orders having executed value not less than <b>Rs. 27 Lakh</b> each</p> |               |   |

|     |   |  |  |
|-----|---|--|--|
|     | <p><b>Notes for Technical Criteria:</b></p> <ol style="list-style-type: none"> <li>1. The word "Executed" mentioned above means that the bidder should have achieved the criteria specified above, even if the total contract is started earlier and/or is not completed/closed.</li> <li>2. In case of orders under execution, the value of work executed prior to the date of Techno-Commercial bid opening duly certified by bidder's client shall be considered acceptable.</li> <li>3. For arriving at the executed value of work specified above, basic amount only shall be considered. In case contract is inclusive of taxes, bidder should provide the break –up of basic value and taxes.</li> <li>4. Latest annual report OR NSIC / SSI / MSME registration certificate / BIS license / ISO certificate / any other statutory document as a proof of being manufacturer as per QR.</li> </ol> |  |  |
| 1.2 | <p align="center"><b><u>Financial Criteria</u></b></p>  | <p align="center"><b>Meet<br/>(Yes/No)</b></p> | <p align="center"><b>Brief Description along with supporting documents</b></p> |
|     | <p><b>1.2.1</b> The Average Annual Turnover of the Bidder, should not be less than <b>Rs. 67Lakh (Rupees Sixty-seven lakh only)</b> during the preceding three (3) completed financial years as on the date of Techno-Commercial bid opening.</p> <p><b>1.2.2</b> In case the bidder does not satisfy the financial criteria, stipulated at Cl. 1.2.1 above on its own, its Holding Company would be required to meet the stipulated turnover requirements at Cl. 1.2.1 above, provided that the net worth of such Holding Company as on the last day of the preceding financial year is at least equal to or more than the paid-up share capital of the Holding Company. In such an event, the bidder would be required to furnish along with its Techno-Commercial bid, a Letter of Undertaking from the Holding Company, supported by Board Resolution, as per the format</p>                          |  |  |

|  | <p>enclosed in the bid documents, pledging unconditional and irrevocable financial support for the execution of the Contract by the bidder in case of award.</p> <p>1.2.3 In case the bidder is not able to furnish its audited financial statements on standalone entity basis, the unaudited unconsolidated financial statements of the bidder can be considered acceptable provided the bidder further furnishes the following documents for substantiation of its qualification.</p> <p>a) Copies of the unaudited unconsolidated financial statements of the bidder along with copies of the Audited consolidated financial statements of its Holding Company.</p> <p>b) A Certificate from the CEO/CFO of the Holding Company, as per the format enclosed in the bidding documents, stating that the unaudited unconsolidated financial statements form part of the Consolidated Annual Report of the company.</p> |                |                |         |  |         |  |         |  |         |  |   |  |  |
|--|--|----------------|----------------|---------|--|---------|--|---------|--|---------|--|---|--|--|
| <p>1.2.4 In cases where audited results for the last preceding financial year as on the date of Techno-Commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case, Bidder is not able to submit the Certificate from practicing Chartered Accountant certifying its financial parameters, the audited results of three consecutive financial years preceding the last financial year shall be considered for evaluating the financial parameters. Further, a Certificate would be required from the CEO/CFO as per the format enclosed in the bidding documents stating that the Financial results of the Company are under audit as on the date of Techno-Commercial bid opening and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.</p> | <table border="1"> <thead> <tr> <th data-bbox="820 1129 1110 1188">Financial year</th> <th data-bbox="1110 1129 1484 1188">Turnover (Rs.)</th> </tr> </thead> <tbody> <tr> <td data-bbox="820 1188 1110 1257">2019-20</td> <td data-bbox="1110 1188 1484 1257"></td> </tr> <tr> <td data-bbox="820 1257 1110 1327">2020-21</td> <td data-bbox="1110 1257 1484 1327"></td> </tr> <tr> <td data-bbox="820 1327 1110 1396">2021-22</td> <td data-bbox="1110 1327 1484 1396"></td> </tr> <tr> <td data-bbox="820 1396 1110 1465">2022-23</td> <td data-bbox="1110 1396 1484 1465"></td> </tr> <tr> <td data-bbox="820 1465 1110 1982">Average Annual Turnover for the preceding three (03) completed financial years.</td> <td data-bbox="1110 1465 1484 1982"></td> </tr> </tbody> </table>   | Financial year | Turnover (Rs.) | 2019-20 |  | 2020-21 |  | 2021-22 |  | 2022-23 |  | Average Annual Turnover for the preceding three (03) completed financial years. |  |  |
| Financial year   | Turnover (Rs.)   |                |                |         |  |         |  |         |  |         |  |   |  |  |
| 2019-20  |  |                |                |         |  |         |  |         |  |         |  |   |  |  |
| 2020-21  |  |                |                |         |  |         |  |         |  |         |  |   |  |  |
| 2021-22  |  |                |                |         |  |         |  |         |  |         |  |   |  |  |
| 2022-23  |  |                |                |         |  |         |  |         |  |         |  |   |  |  |
| Average Annual Turnover for the preceding three (03) completed financial years.  |  |                |                |         |  |         |  |         |  |         |  |   |  |  |



**Notes for 1.2:**

- 1 Other income shall not be considered for arriving at annual turnover.
- 2 "Holding Company" and "Subsidiary Company" shall have the meaning ascribed to them as per Companies Act of India, in vogue.
- 3 Net worth means the sum total of the paid-up share capital and free reserves. Free reserve means all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further, any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.

**The Reference Plants/ Orders/ Works declared, shall only be considered for evaluation/ establishing compliance to Qualifying Requirements. No change or substitution in respect of reference Plants/ Orders for meeting the specified Qualifying requirements shall be offered by the Bidder.**

The order-1 details are given below:

| Sl No | Item Description   | Details                              |
|-------|--|--------------------------------------|
| (i)   | Name of the Station and its location   |                                      |
| (ii)  | Client Name and Address e-mail, Mobile and Tel. No   |                                      |
| (iii) | Name and designation of the responsible person in Client's organization  |                                      |
| (iv)  | LOA No. & Date   |                                      |
| (iv)  | Purchase Order / Contract No. & Date   |                                      |
| (v)   | Value of PO<br>(Basic value & taxes break up required)   |                                      |
| (vi)  | Executed value of PO<br>(Basic value & taxes break up required)  |                                      |
|       | <i>In support of the above, we have attached Copies of relevant purchase orders along with proof of execution such as client certificate, corresponding invoice/ delivery challans, LR , E-way Bill installation/ performance report etc</i> | At Appendix no. ....to Annexure -IA. |

The order-2 details are given below:

| Sl No | Item Description   | Details                              |
|-------|--|--------------------------------------|
| (i)   | Name of the Station and its location   |                                      |
| (ii)  | Client Name and Address e-mail, Mobile and Tel. No   |                                      |
| (iii) | Name and designation of the responsible person in Client's organization  |                                      |
| (iv)  | LOA No. & Date   |                                      |
| (iv)  | Purchase Order / Contract No. & Date   |                                      |
| (v)   | Value of PO<br>(Basic value & taxes break up required)   |                                      |
| (vi)  | Executed value of PO<br>(Basic value & taxes break up required)  |                                      |
|       | <i>In support of the above, we have attached Copies of relevant purchase orders along with proof of execution such as client certificate, corresponding invoice/ delivery challans, LR , E-way Bill installation/ performance report etc</i> | At Appendix no. ....to Annexure -IA. |

The order-3 details are given below:

| Sl. No. | Item Description   | Details                              |
|---------|--|--------------------------------------|
| (i)     | Name of the Station and its location   |                                      |
| (ii)    | Client Name and Address e-mail, Mobile and Tel. No   |                                      |
| (iii)   | Name and designation of the responsible person in Client's organization  |                                      |
| (iv)    | LOA No. & Date   |                                      |
| (iv)    | Purchase Order / Contract No. & Date   |                                      |
| (v)     | Value of PO<br>(Basic value & taxes break up required)   |                                      |
| (vi)    | Executed value of PO<br>(Basic value & taxes break up required)  |                                      |
|         | <i>In support of the above, we have attached Copies of relevant purchase orders along with proof of execution such as client certificate, corresponding invoice/ delivery challans, LR , E-way Bill installation/ performance report etc</i> | At Appendix no. ....to Annexure -IA. |

## ANNEXURE IA

**Bidders are required to fill Annexure I properly. These references shall only be considered to ascertain the bidder's compliance to Qualifying Requirement (QR).**

### Bidder's Qualifications

(To be uploaded in Pre-Qual/Technical Cover/Envelope)

**Bidder to enclose supporting documents in support of meeting Qualifying Requirements in line with (NIT)**

**NAME OF BIDDER :**

**PAN NUMBER :**

**GST REGISTRATION NUMBER:**

#### Details of Completed / Executed work :

| S.No. | WO No / Date | Executed Amount | Date of Execution/ Completion | Document Submitted  |                                  |  |
|-------|--------------|-----------------|-------------------------------|---|----------------------------------|--|
|       |              |                 |                               | Name of Customer / Company, Phone, Fax, Email id & Name of contact person | Work order Copy with BOQ Yes /No | Document in support of executed work Completion Certificate / Copy of Measurement book(R/A bills) / Proof of receipt of payment etc. |
| 1.    |              |                 |                               |   |                                  |  |
| 2.    |              |                 |                               |   |                                  |  |
| 3.    |              |                 |                               |   |                                  |  |

**Notes:**

**The Reference Plants/ Orders/ Works declared, shall only be considered for evaluation/ establishing compliance to Qualifying Requirements. No change or substitution in respect of reference Plants/ Orders for meeting the specified Qualifying requirements shall be offered by the Bidder.**

**(LIST OF FINANCIAL DOCUMENTS)**

Bidder's Name & Address:

To,

NTPC Limited,

The following Documents are annexed to this attachment.

1. Annual reports for preceding three years as on the date of Techno-commercial Bid opening.

**ANNUAL TURNOVER FOR 03 FINANCIAL YEARS :**

|                   |                  |   |
|-------------------|------------------|---|
| <b>2022-2023:</b> | LAKHS (UDIN No.: | ) |
| <b>2021-2022:</b> | LAKHS (UDIN No.: | ) |
| <b>2020-2021:</b> | LAKHS (UDIN No.: | ) |
| <b>2019-2020:</b> | LAKHS (UDIN No.: | ) |

@ In case Bidder is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters for the last financial year, the audited results of the three consecutive financial years preceding the last financial year shall be considered for evaluating the financial parameters. Further, a Certificate would be required from the CEO/CFO as per the format enclosed in the bidding documents stating that the Financial results of the Company are under audit as on the date of Techno-commercial bid opening and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.

Date : Signature.....

Place : Name of Authorised person having Power of attorney.....

Designation.....

CommonSeal.....

**Proforma of Certificate from the CEO/CFO of the company in accordance with Financial requirement criteria in cases where audited results for the last financial year as on the date of Techno-commercial bid opening are not available**

(To be submitted by Bidder along with the Techno-commercial Bid with QR Documents)

Ref:

Date:

To

Dear Sir,

1.0 I, Mr./Ms. .... (\*CEO of the Company/\*CFO of the Company), confirm and undertake that the Financial results of the Company are under audit as on the date of Techno- commercial bid opening and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.

2.0 Accordingly, the company is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters for the last financial year and the audited results of the three consecutive financial years preceding the last financial year have been considered for meeting the financial parameters in the bid submitted by M/s .....  
(Name of the Bidder) for the ..... (Name of the package) under NIT reference No. .... Dated .....

Yours faithfully, Signature

Name & Designation.....

Name of the Company.....

(Seal of Company).....

Note : \*Strike off whichever is not applicable.

**ANNEXURE II**

**Undertaking from Independent Statutory Auditor**

(On letter head digitally signed by a person duly authorized to Sign on behalf of the Statutory Auditor)

Bid Ref. No:

DATE:

To,

NTPC Ltd.

.....

**Subject: Authentication of veracity of documents submitted by M/s ..... in support of meeting the Qualifying Requirements**

Ref : IFB/Tender no. ....

Name of the Package/ Tender: .....

Dear Sir,

M/s. .... (hereinafter called Bidder) having  
.....Registered

office at ..... intend to participate in above referred tender of NTPC Ltd.

We, M/s ..... has been appointed as Statutory Auditor for the Bidder i.e. M/s ..... (Relevant documents on our appointment attached)

The tender condition stipulates that the bidder shall submit supporting Documents pertaining to Technical Qualifying Requirement duly verified and certified by Statutory Auditor.

In this regard, it is hereby confirmed that we have examined the following documents, which are also attached with this letter. The same has been verified from the Original Documents and/ or Client for authenticity.

We hereby confirm that the following documents are found to be genuine and authentic.

1. Doc ref./PO No. no. .... dated (name of Documents)
2. Doc ref. no./PO No. .... dated (name of Documents)
3. ....

The Executed Value/ Quantity of the PO(s) as above has been verified using invoice copy(s)/ LR Bill and completion certificate/ inspection report/ material despatch clearance certificate submitted as execution proof and are found to be genuine and authentic:

1. Invoice no. .... dated / LR Bill ..... dated and completion certificate ..... dated..... (name of Documents)
2. Invoice no. .... dated / LR Bill ..... dated and completion certificate ..... dated..... (name of Documents)
3. ....

All the aforesaid documents have been duly signed and stamped and/ or digitally signed by us as a certificate of authenticity.

\*Further, we have examined the books of accounts, records, and other relevant documents, along with other necessary information and explanations furnished by M/s. \_\_\_\_\_ (bidder) and hereby certify following:

.....

This certificate is issued at the request of M/s ..... (Bidder) for the purpose of participating in tender/s.

Thanking you,

.....

**Annexure III**

**Undertaking from Third Party Inspection Agency**

(on letter head digitally signed by a person duly authorized to Sign on behalf of the  
TPIA)

Ref.: \_\_\_\_\_ Date:

To,

NTPC Ltd.

.....

Dear Sir,

**Subject: Authentication of veracity of documents submitted by M/s ..... in  
support of meeting the Qualifying Requirements**

Ref: IFB/Tender no. ....

Name of the Package/ Tender: .....

M/s. .... (hereinafter called Bidder) having Registered office at

..... intend to participate in above referred tender of NTPC Ltd.

The tender condition stipulates that the bidder shall submit supporting Documents pertaining to Qualifying Requirement duly verified and certified by a specified independent Third Party Inspection Agency as per the list mentioned in the bidding documents.

In this regard, it is hereby confirmed that we have examined the following documents, which are also attached with this letter. The same has been verified from the Original Documents and / or Client for authenticity.

We hereby confirm that the following documents are found to be genuine and authentic.



1. Doc ref. no./PO No. .... dated (name of Documents)
2. Doc ref. no./P O No . .... dated (name of Documents)
3. ....

The Executed Value/ Quantity of the PO(s) as above has been verified using invoice copy(s)/ LR Bill and completion certificate/ inspection report/ material despatch clearance certificate submitted as execution proof and are found to be genuine and authentic:

3. Invoice no. .... dated / LR Bill .... dated and completion certificate ..... dated..... (name of Documents)
4. Invoice no. .... dated / LR Bill .... dated and completion certificate ..... dated..... (name of Documents)
3. ....

All the aforesaid documents has been digitally signed by us as a certificate of authenticity.

We further confirm that we neither have any vested interest in aforesaid tender nor have any conflict of interest in respect of above tender.

This certificate is issued at the request of M/s ..... (Bidder) for the purpose of participating in the subject tender/s.

Thanking you,

.....

*\* Strike off, whichever is not applicable.*

## VI. EARNEST MONEY DEPOSIT (EMD) / BID SECURITY

The Earnest Money Deposit (EMD) shall in the form of Bank Guarantee from banks specified in the published GeM bid.

MSE Bidders who are manufacturer of the tendered Items and have a valid Udyam Registration Certificate shall be exempted from submission of EMD.

The format of Bid Guarantee (BG) towards EMD shall be as per GeM formats. The BG towards EMD shall remain valid for a period of forty-five (45) days beyond the original Bid validity period or beyond any extension in the period of Bid validity subsequently requested.

**Bidders shall be required to upload the scanned copy of the BG on GeM portal.**

**Bidder shall also be required to submit the Original BG in physical form to reach NTPC at the address mentioned in Bidding Documents, not later than 5 days from the date of submission of Techno-Commercial bids or before the Price Bid opening, whichever is earlier, failing which its bid shall be rejected and not considered for further evaluation.**

**Sealed envelope containing EMD and any offline documents sought in tender, must be marked and details like NIT/ Tender No, Scope of Work, Bid Opening Due Date etc mentioned on the envelope**

### CONFIRMATION OF BGS

While issuing the physical BGs, the Bidder's Bank shall also send electronic message through secure SFMS (in case of BGs issued from within India) or SWIFT (in case of BGs issued from outside India) to Employer's Beneficiary Bank whose details are provided above

|     |              |   |
|-----|--------------|---|
| i   | Bank Name    | ICICI BANK LTD.                                     |
| ii  | Branch       | CONNAUGHT PLACE BRANCH                              |
| iii | Bank address | 9A, PHELPS BUILDING, INNER CIRCLE, NEW DELHI-110001 |
| iv  | IFSC Code    | ICIC0000007   |

BG issuing/amending bank must send the BG advice in the form of message format via SFMS (Structured Financial Messaging System) as provided by RBI. The format of the message for confirmation of the BG shall be as below:

BG advising message: IFN 760COV/ IFN 767COV via SFMS

Field Number: Particulars (to be mentioned in Row 1)

7037: NTPCBG (unique identifier)

### **EMD Exemption for MSE Bidders**

MSE Bidders who are manufacturer of the tendered Item(s) and have a valid Udyam Registration Certificate shall be exempted from submission of EMD.

In case of an upward change in terms of investment in plant and machinery or equipment or turnover or both, and consequent re-classification, an enterprise shall continue to avail of all non-tax benefits of the category (micro or small or medium) it was in before the re-classification, for a period of three years from the date of such upward change.

For availing MSE benefits, bidder must confirm that some or all the items quoted by the bidder are manufactured by them. The bidders must specify the names of items in the technical bid. Further, the benefit of purchase preference will be available only for such item(s) quoted by bidder for which Bidder is a manufacturer and for rest of the items, its bid shall be evaluated/treated as Non-MSE bid.

In support of above claim regarding manufacturing of each of the specified Item(s), Bidder will furnish necessary details of Stores/ Category of items etc. as mentioned in the MSE registration certificate along with the Undertaking as given at Annexure 14. In case, such details are not available in the Registration Certificate furnished by the Bidder for any of the quoted item(s), other relevant details/documentary evidence will be furnished along with the Undertaking in support of the claim that such item(s) are manufactured by the Bidder.

However, in case the MSE Bidder is manufacturing any / some of the quoted item(s) then Purchase Preference benefits for MSEs shall be extended for such item(s) being manufactured by them. For balance items, its bid shall be evaluated as "Non MSE" bidder.

Bidders are required to submit the declaration/ undertaking as given at Annexure 14/14 A.

The benefit as above to MSEs shall be available only for Goods/ Services produced & provided by MSEs. As per answer to FAQ no. 18 circulated vide Office Memorandum F. No. 22(1)/2012-MA dated 24.10.2016 "Policy is meant for procurement of goods produced and services rendered by MSEs. However, traders are excluded from the purview of benefits and exemption of MSEs."

**ANNEXURE-14**

Undertaking to be given by the MSE Bidder for availing benefits/ exemptions as per PPP 2012 for cases where **Item wise evaluation** is applicable

M/s NTPC Limited

Ref: Our Bid Reference Number: \_\_\_\_\_ Dated \_\_\_\_\_  
against Tender Invitation  
Number \_\_\_\_\_ Dated \_\_\_\_\_ for \_\_\_\_\_ Name of  
Package \_\_\_\_\_

With reference to our bid (as referred above) against subject Tender Invitation, we have attached relevant documents for availing benefits/ exemptions available to MSEs as per PPP 2012 and its subsequent amendments, if any. We are aware that benefits to MSEs under PPP 2012 are available to manufacturer of goods and not to traders/dealers and accordingly, we hereby undertake that:

\* *We are **manufacturer of all the quoted item(s)** and understand that the benefits as applicable to MSEs under PPP 2012 including Purchase Preference shall be applicable as per provisions of Bidding Document for all the quoted items of our bid.*

*Or*

\* *We are **manufacturer of some the quoted item(s)** and understand that the benefits pertaining to EMD and Tender fee exemption shall be applicable for our bid as per provisions of Bidding Document. We also understand that Purchase Preference benefits as applicable to MSEs under PPP 2012 shall be applicable only for those quoted items of our bid for which we are a manufacturer and the remaining quoted items, for which we are not a manufacturer, shall not be eligible for the aforesaid Purchase Preference benefits as per provisions of Bidding documents.*

We also understand that in case documents submitted by us for availing benefits/exemptions applicable to MSEs under PPP 2012 are not found to be in order by NTPC Limited/ Employer at any stage of Bid Evaluation and EMD and/or cost of Bid Documents (wherever applicable) have also not been submitted by us then our bid shall not be considered further for evaluation and be rejected.

Thanking you,

(Authorized Signatory)

Name & address of the bidder \_\_\_\_\_

Date:

**\* Strike out which is not applicable**

**ANNEXURE 14 A**

**(To be submitted in case of bidder being a manufacturer of some the quoted item(s))**

The list of items quoted for which we are the manufacturer are as under and supporting documents are enclosed:

**LIST OF ITEMS:**

| <b>SI No.</b> | <b>BOQ Item No. for which we are the manufacturer</b> | <b>Item Description</b> |
|---------------|---|-------------------------|
|               |   |                         |
|               |   |                         |
|               |   |                         |
|               |   |                         |
|               |   |                         |
|               |   |                         |
|               |   |                         |
|               |   |                         |
|               |   |                         |

Thanking you,

(Authorised Signatory)

Name & address of the bidder .....

.....

Date:

Note: May kindly enclose supporting documents

## **VII. COMPLIANT BID:**

No deviation, whatsoever, is permitted by EMPLOYER to any provision of Bidding Documents. The Bidders are advised that while making their Bids and quoting prices, all conditions are appropriately taken into consideration.

Bidders shall certify their compliance to the complete Bidding Documents as per Certificate at **Annexure D** of the Tender:

In case the Products and/or Services offered do not meet the Technical requirements, the bid shall be rejected as Technically non-responsive.

Bidders may note that in case the Bidder refuses to withdraw additional conditions/ deviations/ variations/ exception, implicit or explicit, found anywhere in the techno-commercial bid, the bid shall be rejected as Technically non-responsive.

Bidders may also note that any deviation/variation in any form in the Price Bid shall result in forfeiture of EMD.

**CERTIFICATE FOR COMPLIANCE  
TO  
ALL PROVISIONS OF BIDDING DOCUMENTS  
(Certificate of "NIL" Deviation)  
Towards COMPLIANT BID**

To,  
.....  
..... Power Station  
NTPC Limited,  
.....  
.....

Dear Sir,

1. With reference to our Bid submitted against the tender, we hereby confirm that we comply with all terms, conditions and specifications of the Bidding Documents read in conjunction with Amendment(s) / Clarification(s) / Addenda/Errata (if any) issued by the Employer prior to opening of Techno-Commercial Bids and the same has been taken into consideration while making our Techno-Commercial Bid & Price Bid and we declare that we have not taken any deviation in this regard.

2. We understand that in case the Products and/or Services offered do not meet the Technical requirements, then our bid shall be rejected as Technically nonresponsive.

We also confirm that in case we refuse to withdraw additional conditions/deviations/exceptions/implicit or explicit, found anywhere in the techno-commercial bid, our bid shall be rejected as Technically non-responsive.

We further confirm that if any deviation/variation in any form is found in our Price Bid, the EMD shall be forfeited.

(Authorised Signatory)

Name & address of the bidder .....

.....

Date:

**VIII. Documents to be submitted along with the bid:**

1. Declaration of Local content (**Annexure A**)
2. DOCUMENTS IN SUPPORT OF MEETING THE QUALIFYING REQUIREMENTS along with **Annexure I and IA.**
3. Undertaking from Independent Statutory Auditor/ Undertaking from Third Party Inspection Agency (**Annexure II/ III**)
4. Undertaking to be given by the MSE Bidder (**Annexure 14/ 14A**) (**applicable for MSE Bidders only**)
5. CERTIFICATE FOR COMPLIANCE TO ALL PROVISIONS OF BIDDING DOCUMENTS (**Annexure D**)