



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2023/B/3541378
Dated/दिनांक : 07-06-2023

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	28-06-2023 18:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	28-06-2023 18:30:00
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	600
Item Category/मद केटेगरी	M4763056027 , M4763056066 , M4763056028 , M4763056029 , M4763056067 , M4763056306 , M4763056030 , M4763056031 , M4763056032 , M4763056033
BOQ Title/बीओक्यू शीर्षक	PROCUREMENT OF HI CHROME SHELL LINER FOR BBD 4772 BALL AND TUBE MILLS TSTPS
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 *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	M4763056027
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	3 Days

Bid Details/बिड विवरण**Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)**

No

Evaluation Method/मूल्यांकन पद्धति

Total value wise evaluation

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	ICICI
EMD Amount/ईएमडी राशि	200000

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).	72

(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 दस्तावेज प्रस्तुत करने हैं। 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). 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
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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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 100%(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.

M4763056027

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

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
BOQ Detail Document	View File

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

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Naresh Kumar Kandpal	759147,Talcher Super Thermal Power Station P.O. DEEPSHIKHA ANGUL 759147 ANGUL	200	180

M4763056066

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

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
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/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Naresh Kumar Kandpal	759147,Talcher Super Thermal Power Station P.O. DEEPSHIKHA ANGUL 759147 ANGUL	200	180

M4763056028

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

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
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	Naresh Kumar Kandpal	759147,Talcher Super Thermal Power Station P.O. DEEPSHIKHA ANGUL 759147 ANGUL	20	180

M4763056029**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification Document	View File
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	Naresh Kumar Kandpal	759147,Talcher Super Thermal Power Station P.O. DEEPSHIKHA ANGUL 759147 ANGUL	20	180

M4763056067**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
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	Naresh Kumar Kandpal	759147, Talcher Super Thermal Power Station P.O. DEEPSHIKHA ANGUL 759147 ANGUL	20	180

M4763056306

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

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
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/मात्रा	Delivery Days/डिलीवरी के दिन
1	Naresh Kumar Kandpal	759147,Talcher Super Thermal Power Station P.O. DEEPSHIKHA ANGUL 759147 ANGUL	20	180

M4763056030

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

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
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/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Naresh Kumar Kandpal	759147,Talcher Super Thermal Power Station P.O. DEEPSHIKHA ANGUL 759147 ANGUL	40	180

M4763056031

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

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
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	Naresh Kumar Kandpal	759147,Talcher Super Thermal Power Station P.O. DEEPSHIKHA ANGUL 759147 ANGUL	40	180

M4763056032**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)****Technical Specifications/तकनीकी विशिष्टियाँ**

Specification Document	View File
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	Naresh Kumar Kandpal	759147,Talcher Super Thermal Power Station P.O. DEEPSHIKHA ANGUL 759147 ANGUL	32	180

M4763056033**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

Technical Specifications/तकनीकी विशिष्टियाँ

Specification Document	View File
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/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Naresh Kumar Kandpal	759147, Talcher Super Thermal Power Station P.O. DEEPSHIKHA ANGUL 759147 ANGUL	8	180

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. 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.

3. Buyer Added Bid Specific ATC

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

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 कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---

NTPC Limited
(A Government of India Enterprise)

Tender Enquiry No. 9900259028

Bill of Materials

Delivery Address:

Talcher Super Thermal Power

P.O. DEEPSHIKHA

ANGUL

Odisha

759147

India

Tel : 06760 243270/247270 Fax: 06760 243204/243232

Item	Material Code	Description	UoM*	Total Quantity	Delivery Date
00010	M4763056027	HIGH CHROME CYLINDRICAL LINER	NO	200.000	31.12.2023
00020	M4763056066	HIGH CHROME CYLINDRICAL LINER.	NO	200.000	31.12.2023
00030	M4763056028	CYLINDRICAL LINER WITH OBLIQUE WAVE-I	NO	20.000	31.12.2023
00040	M4763056029	CYLINDRICAL LINER WITH OBLIQUE WAVE-II	NO	20.000	31.12.2023
00050	M4763056067	CYLINDRICAL LINER WITH OBLIQUE WAVE-III	NO	20.000	31.12.2023
00060	M4763056306	CYLINDRICAL LINER WITH OBLIQUE WAVE	NO	20.000	31.12.2023
00070	M4763056030	SHORT CONICAL LINER	NO	40.000	31.12.2023
00080	M4763056031	LONG CONICAL LINER	NO	40.000	31.12.2023
00090	M4763056032	INLET SIDE LINER	NO	32.000	31.12.2023
00100	M4763056033	INLET LINER WITH BOSS	NO	8.000	31.12.2023

(UOM Legends :- NO - Number)

Tender Enquiry No. 9900259028

TECHNICAL DATA SHEET

00010	-	M4763056027
Specification		
00020	-	M4763056066
Specification		
00030	-	M4763056028
Specification		
00040	-	M4763056029
Specification		
00050	-	M4763056067
Specification		
00060	-	M4763056306
Specification		
00070	-	M4763056030
Specification		
00080	-	M4763056031
Specification		
00090	-	M4763056032
Specification		
00100	-	M4763056033
Specification		

NTPC Limited
(A Government of India Enterprise)

Tender Enquiry No. 9900259028

ITEM DATA SHEET

Material Code	Item Text
M4763056027	<p>HIGH CHROME CYLINDRICAL LINER B4-013/01 OF BBD-4772 BALL & TUBE MILLS AS PER ANNEXURE-A ATTACHED.</p> <p>Note- VENDOR HAS TO SUBMIT- 1.GUARANTEE CERTIFICATE. 2. INTERCHANGEABILITY/ FITTMENT CERTIFICATE. 3. CERTIFICATE OF CONFORMANCE w.r.to Original profile of liners. 4. CERTIFICATE OF CONFORMANCE w.r.to compliance of internal dimensions (Diameter & corner undercut) of sleeve as per drawing no-061-0706-038-A4 REV.-02.in the finished product of LINER WITH BOSS.</p>
M4763056066	<p>HIGH CHROME CYLINDRICAL LINER B4-013/02 OF BBD-4772 BALL & TUBE MILLS AS PER ANNEXURE-A ATTACHED.</p> <p>Note- VENDOR HAS TO SUBMIT- 1. GUARANTEE CERTIFICATE. 2. INTERCHANGEABILITY/ FITTMENT CERTIFICATE. 3. CERTIFICATE OF CONFORMANCE w.r.to Original profile of liners. 4. CERTIFICATE OF CONFORMANCE w.r.to compliance of internal dimensions (Diameter & corner undercut) of sleeve as per drawing no-061-0706-038-A4 REV.-02.in the finished product of LINER WITH BOSS.</p>
M4763056028	<p>HIGH CHROME CYLINDRICAL LINER WITH OBLIQUE WAVE-I B4-014/01 OF OF BBD-4772 BALL & TUBE MILLS AND AS PER ANNEXURE-A ATTACHED.</p> <p>Note- VENDOR HAS TO SUBMIT- 1. GUARANTEE CERTIFICATE. 2. INTERCHANGEABILITY/ FITTMENT CERTIFICATE. 3.CERTIFICATE OF CONFORMANCE w.r.to Original profile of liners. 4. CERTIFICATE OF CONFORMANCE w.r.to compliance of internal dimensions (Diameter & corner undercut) of sleeve as per drawing no-061-0706-038-A4 REV.-02.in the finished product of LINER WITH BOSS.</p>
M4763056029	<p>HIGH CHROME CYLINDRICAL LINER WITH OBLIQUE WAVE-II B4-014/02 OF OF BBD-4772 BALL & TUBE MILLS AS PER ANNEXURE-A ATTACHED.</p> <p>Note- VENDOR HAS TO SUBMIT- 1. GUARANTEE CERTIFICATE. 2. INTERCHANGEABILITY/ FITTMENT CERTIFICATE. 3. CERTIFICATE OF CONFORMANCE w.r.to Original profile of liners. 4. CERTIFICATE OF CONFORMANCE w.r.to compliance of internal dimensions (Diameter & corner undercut) of sleeve as per drawing no-061-0706-038-A4 REV.-02.in the finished product of LINER WITH BOSS.</p>
M4763056067	<p>HIGH CHROME CYLINDRICAL LINER WITH OBLIQUE WAVE-III B4-015/01 OF OF BBD-4772 BALL & TUBE MILLS AS PER ANNEXURE-A ATTACHED.</p>

NTPC Limited

(A Government of India Enterprise)

Tender Enquiry No. 9900259028

Material Code	Item Text
	<p>Note- VENDOR HAS TO SUBMIT-</p> <ol style="list-style-type: none"> 1. GUARANTEE CERTIFICATE. 2. INTERCHANGEABILITY/ FITTMENT CERTIFICATE. 3. CERTIFICATE OF CONFORMANCE w.r.to Original profile of liners. 4. CERTIFICATE OF CONFORMANCE w.r.to compliance of internal dimensions (Diameter & corner undercut) of sleeve as per drawing no-061-0706-038-A4 REV.-02.in the finished product of LINER WITH BOSS.
M4763056306	<p>HIGH CHROME CYLINDRICAL LINER WITH OBLIQUE WAVE-IV B4-015/02 OF OF BBD-4772 BALL & TUBE MILLS AS PER ANNEXURE-A ATTACHED.</p> <p>Note- VENDOR HAS TO SUBMIT-</p> <ol style="list-style-type: none"> 1. GUARANTEE CERTIFICATE. 2. INTERCHANGEABILITY/ FITTMENT CERTIFICATE. 3. CERTIFICATE OF CONFORMANCE w.r.to Original profile of liners. 4. CERTIFICATE OF CONFORMANCE w.r.to compliance of internal dimensions (Diameter & corner undercut) of sleeve as per drawing no-061-0706-038-A4 REV.-02.in the finished product of LINER WITH BOSS.
M4763056030	<p>HIGH CHROME SHORT CONICAL LINER B4-16 OF BBD-4772 BALL & TUBE MILLS AS PER ANNEXURE-A ATTACHED.</p> <p>Note- VENDOR HAS TO SUBMIT-</p> <ol style="list-style-type: none"> 1. GUARANTEE CERTIFICATE. 2. INTERCHANGEABILITY/ FITTMENT CERTIFICATE. 3. CERTIFICATE OF CONFORMANCE w.r.to Original profile of liners. 4. CERTIFICATE OF CONFORMANCE w.r.to compliance of internal dimensions (Diameter & corner undercut) of sleeve as per drawing no-061-0706-038-A4 REV.-02.in the finished product of LINER WITH BOSS.
M4763056031	<p>HIGH CHROME LONG CONICAL LINER B4-17 OF BBD-4772 BALL & TUBE MILLS AS PER ANNEXURE-A ATTACHED.</p> <p>Note- VENDOR HAS TO SUBMIT-</p> <ol style="list-style-type: none"> 1. GUARANTEE CERTIFICATE. 2. INTERCHANGEABILITY/ FITTMENT CERTIFICATE. 3. CERTIFICATE OF CONFORMANCE w.r.to Original profile of liners. 4. CERTIFICATE OF CONFORMANCE w.r.to compliance of internal dimensions (Diameter & corner undercut) of sleeve as per drawing no-061-0706-038-A4 REV.-02.in the finished product of LINER WITH BOSS.
M4763056032	<p>HIGH CHROME INLET SIDE LINER B4-18 OF BBD-4772 BALL & TUBE MILLS AS PER ANNEXURE-A ATTACHED.</p> <p>Note- VENDOR HAS TO SUBMIT-</p> <ol style="list-style-type: none"> 1. GUARANTEE CERTIFICATE. 2. INTERCHANGEABILITY/ FITTMENT CERTIFICATE. 3. CERTIFICATE OF CONFORMANCE w.r.to Original profile of liners. 4. CERTIFICATE OF CONFORMANCE w.r.to compliance of internal

NTPC Limited
(A Government of India Enterprise)

Tender Enquiry No. 9900259028

Material Code	Item Text
	dimensions (Diameter & corner undercut) of sleeve as per drawing no-061-0706-038-A4 REV.-02.in the finished product of LINER WITH BOSS.
M4763056033	<p>HIGH CHROME INLET SIDE LINER WIHT BOSS B4-19 OF BBD-4772 BALL & TUBE MILLS AS PER ANNEXURE-A ATTACHED.</p> <p>Note- VENDOR HAS TO SUBMIT-</p> <ol style="list-style-type: none">1. GUARANTEE CERTIFICATE.2. INTERCHANGEABILITY/ FITTMENT CERTIFICATE.3. CERTIFICATE OF CONFORMANCE w.r.to Original profile of liners.4. CERTIFICATE OF CONFORMANCE w.r.to compliance of internal dimensions (Diameter & corner undercut) of sleeve as per drawing no-061-0706-038-A4 REV.-02.in the finished product of LINER WITH BOSS.

ANNEXURE-A

1. **Material Specification:** HIGH CROME LINER FOR BBD-4772 MILLS with Chemical composition:- Carbon-2.4 to 2.8%, Manganese-0.5 to 1.5%, Chromium- 22 to 28%, Silica-max.1%, Nickel- max. 0.5%, Molybdenum- max. 0.6%, Sulphur- max. 0.06%, Phosphorous-max. 0.06%, copper- max. 1%
 2. **Hardness:** 57 to 62.5 HRC.
 3. Microstructure shall essentially be consisting of primary carbides in Martensitic matrix with maximum retained austenite of 8%.
 4. During bidding, the bidders have to submit the NTPC MQP duly stamped and signed as a token of acceptance of MQP.
 5. Upon placement of PO, vendor has to submit the following for site approval-
 - The overall dimensional drawings of profiled liners and fasteners (Nut, bolts and washers). Detailed list of fasteners for different variant of liners is to be submitted.
- NOTE: Sleeve inserted in the boss of INLET LINER WITH BOSS shall be as per NTPC drawing no.-061-0706-038-A4 REV.-02.**

- Technical data sheet mentioning the details of HT cycle.
 - Bill of materials for a set of liners
 - Technical Specification for the required EPDM rubber sheet, CAF sheet and Fasteners.
 - MQP for fasteners.
6. PDI shall be carried out at vendor's works as per NTPC approved drawing, technical specification/ technical data sheet, MQP for fasteners and NTPC MQP for Liners.
 7. Vendor has to submit interchangeability certificate (interchangeability of individual item with the respective original items with respect to profile, dimension & tolerance) of liners and material test certificates of the liners & fasteners along with the supply.
 8. Vendor has to furnish Performance Bank Guarantee for a period of **30000- running hours** of the liners or **6 years** from the date of receipt, whichever is earlier. **The agency shall submit PBG initially for a period of 24 months and shall keep extending it for one year/two year every time till above contractual commitment is fulfilled**
 9. During installation, vendor has to deploy their staff to our site for supervising the process of installation of the liners supplied by the vendor. Ensuring and verification of correct fitment shall be the responsibility of the vendor. This deployment of supervisory staff shall be without any additional cost to NTPC. The replacement of one set of liners takes about two weeks. Vendor shall be intimated well in advance before installation starts.

SUPPLY CONDITION:

- i) Each variant of liners shall be packaged in separate crates with no mixing up of liner with different material code.
- ii) Liners are to be supplied in steel crates (strong enough to be handled at open-yard long down the time) with open-able wooden lid (to facilitate inspection). As an additional measure for handling the crates, proper lifting lugs be welded to the crates.
- iii) Proper identification/markings of the crates to be done w.r.to variant (material code) and PO number. Package list to be provided along with the supply.
- iv) CAF gaskets and rubber gaskets to be properly seal-packed in polyethylene cover and then in wooden crates marked with PO number. A crate of CAF and rubber gaskets shall contain only the apportioned qty required for a set of liners only.

- v) Fasteners shall preferably be of fine thread with good surface finish of the thread. Bolt-heads shall be proper to ensure appropriate counter-sunk (head should not protrude out) w. r. to the liners. A crate of hardware (Bolt, nut, rubber backed washers) with PO number mentioned on it shall contain only the qty apportioned for a set of liners. Fasteners of different sizes should be packed in different packs and labelled for easier identification for subsequent operations.
- vi) Inspection of material (liners received with MDCC) at our R&I shall be done on receipt of materials required for completeness of liner-set with hardware and gaskets i.e. one mill-requirement.

LINER PROFILE: Agency has to confirm that the liner profile is of same profile as original.

GUARANTEE/ WARRANTY CONDITION:

- A. The guaranteed wear life of liners should be 30000 hours minimum against failure i.e. breakage, crack and abnormal wear. Vendor has to submit guarantee certificate in this regard. (Abnormal wear means: The crest thickness of cylindrical liners 95 mm becoming less than 70 mm and or the end thickness of 40 mm becoming less than 20 mm.
- B. No credit shall be given to the vendor for extra life beyond the guaranteed life.

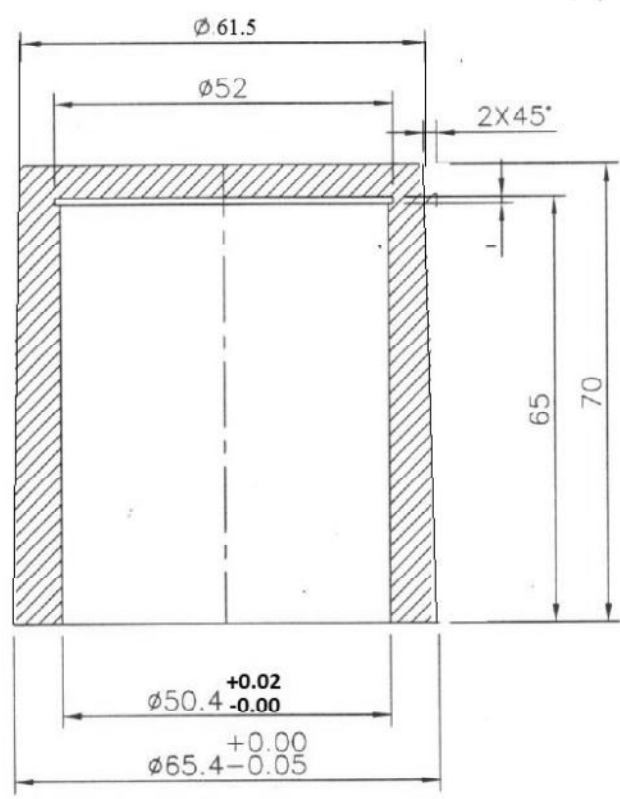
BILL OF MATERIAL: The following bill of material is for a set of liner required for one mill-


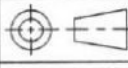
Sl. No.	Material Code	Description	Qty (no.)
01	M4763056027	HIGH CHROME CYLINDRICAL LINER	200
02	M4763056066	HIGH CHROME CYLINDRICAL LINER.	200
03	M4763056028	CYLINDRICAL LINER WITH OBLIQUE WAVE-I	20
04	M4763056029	CYLINDRICAL LINER WITH OBLIQUE WAVE-II	20
05	M4763056067	CYLINDRICAL LINER WITH OBLIQUE WAVE-III	20
06	M4763056306	CYLINDRICAL LINER WITH OBLIQUE WAVE	20
07	M4763056030	SHORT CONICAL LINER	40
08	M4763056031	LONG CONICAL LINER	40
09	M4763056032	INLET SIDE LINER	32
10	M4763056033	INLET LINNER WITH BOSS	08
11		Fasteners with nut and rubber backed washer for different variant of liners	Sufficient qty for one Mill
12		Rubber gasket	Sufficient qty

			for one Mill
13		CAF gasket	Sufficient qty for one Mill

Vendor has to supply **Set of liner** fixing bolts, nut ,washer and set of backing material (EPDM Rubber sheet/ C F Sheet etc.) as per OEM design for the installation of liners. The cost of these materials are to be included in the cost of the liners hence, there shall not be separate payment for these items. Liner wise detailed list of fasteners to be submitted along with the supply.

M4763056085



1.	BUSH $\varnothing 65.4 \times 70$		EN-24 GR.U				
PART No.	DESCRIPTION	DRG. No./ SPECN.	MATL. SPECN. (PROPOSED)	QTY.	UNIT WEIGHT (KG.) (APPROX.)	TOTAL	REMARKS/ CATALOGUE No.
ALL DIMENSIONS ARE IN mm.		 NTPC Limited (A GOVT OF INDIA ENTERPRISE) TALCHER SUPER THERMAL POWER STATION					
TOL. AS PER:- IS:919 AND IS:2102							
SUR. FINISH IN MICRONS IS:10719							
					UNIT/SECTION: BALL MILL		
					EQUIPMENT: XXXXX		
					SLEEVE FOR INLET LINER WITH BOSS OF BBD-4772 BALL & TUBE MILLS		
R.No.	ZONE	DESCRIPTION	DATE	APD.	NAME	SIGNATURE	REF. DRG. No.
REVISION				SKD.	-		
JOB No.			DATE	DRN.	SUDEER		DRAWING No.
SCALE: 1:1				CHD.	-		061-0706-038-A4
TOTAL Wt. (Kg)	-	SHEET SIZE: A4		APD.	-		REV.No. 02

AXIS IT & T LIMITED.



USSC-CPG1

PPG-QA



GANPATI JHA

Digitally signed by GANPATI JHA
DN: cn=GANPATI JHA, c=IN, st=Chhattisgarh,
o=NTPC LIMITED, ou=CONTRACT,
serialNumber=d3135b18b48ad4b52905337811
f4c80f1cc904c325d4a9bbf5bb10177c50cae7
Date: 2022.08.31 12:49:05 +05'30'

Standardised Quality Plan	
Item	MILL SHELL LINER
SQP No.	CPG-QA-SQP-M- ⁰⁸⁶
Rev	0

NTPC

MANUFACTURING QUALITY PLAN

Name & Address of Manufacturer :		Item: Hi-Chrome Mill Shell Liner					QP No	Project :							
							Rev No.	Package :							
							Date	Contract No :							
		Sub-system:					Page	1 of 2	Main-Supplier :						
S.No	Component & Operation	Characterstics	Classifi cation	Type of Check	Quantum of Check		Reference Document	Acceptence Norm	Record			Agency			Remark
					M	C/N			Format	D	M	C	N		
1.0	In-Process Inspection														
1.1	Molten Metal	Ladle Analysis	Major	Chemical Analysis	1 Sample per melt	1 Sample per melt	PO Spec/ Apvd Datasheet/ Apvd Drawing	PO Spec/ Apvd Datasheet/ Apvd Drawing	TC	Y	P	V	V		
1.2	Hi-Chrome Liner Casting	Surface Examination	Major	Visual	100%	100%	- Do -	- Do -	IR	Y	P	V	V		
		Heat Treatment	Major	Time and temperature	100%	100%	- Do -	- Do -	HT Chart	Y	P	V	V	Refer Note-1	
		Surface Hardness	Major	Hardness check	100%	100%	- Do -	- Do -	Test Report	Y	P	V	V	Refer Note-2	
		Dimensions	Major	Measurement	100%	100%	- Do -	- Do -	IR	Y	P	V	V		
		Chemical	Major	Chemical test	1 sample / heat	1 sample / heat	- Do -	- Do -	Test Report	Y	P	V	V		
		Micro Structure	Major	Micro Examination	1 sample / HT Batch	1 sample / HT Batch	- Do -	- Do -	Test Report	Y	P	V	V	Refer Note-3	
2.0	Final Inspection of High Chrome Liner Castings														
<p>Remarks : (Note-1):- Manufacturer to submit Heat Treatment procedure in this offer. Suitable Heat treatment shall be decided & implemented by manufacturer to achieve required Hardness & Micro- Structure properties. (Note-2):- Surface Hardness to be checked on casting with Equotip Hardness Tester. (Note-3):- Microstructure and Retained Austenite: Manufacturer to arrange reference photographs as per referred standard/ requirement for comparison with sample results. (Note-4):- Visual Inspection: The casting shall be free from defects such as blow holes, sand inclusion, shrinkage cavities, etc. which may adversely affect the utility of the casting. Following defects are unacceptable: (a) Sand & slag inclusions, blow holes: Depth of defect > 5mm. (b) Riser and ingate undercut in parent material >6mm. (Note-5):- Manufacturer to ensure identification of components by "As Cast" Heat Number/ Manufacturer Identification.</p>															
<p>D-Documents. Records identified with 'Y' mark shall be included by supplier in QA Documentation. M-Manufacturer / Sub-supplier, C-Supplier, N-NTPC, P-Perform, V-Verify, W-Witness</p>															

NTPC

MANUFACTURING QUALITY PLAN

Name & Address of Manufacturer :		Item: Hi-Chrome Mill Shell Liner					QP No		Project :	1					
							Rev No.		Package :						
							Date		Contract No :						
		Sub-system:					Page	2 of 2	Main-Supplier :						
S.No	Component & Operation	Characterstics	Classifi cation	Type of Check	Quantum of Check		Reference Document	Acceptence Norm	Record			Agency			Remark
					M	C/N			Format	D	M	C	N		
2.1	Finished Product	Surface Examination	Critical	Visual	100%	10% per offered Lot	PO Spec/ Apvd Datasheet/ Apvd Drawing	PO Spec/ Apvd Datasheet/ Apvd Drawing	IR	Y	P	W	W	Refer Note-4	
		Surface Hardness	Critical	Hardness check	100%	10% per offered Lot	- Do -	- Do -	Test Report	Y	P	W	W	Refer Note-2	
		Dimensions	Critical	Measurement	100%	10% per offered Lot	- Do -	- Do -	Test Report	Y	P	W	W		
		Grade Verification	Critical	PMI test	100%	10% per offered Lot	- Do -	- Do -	Test Report	Y	P	W	W	by XRF Analyser	
		Micro Structure & Retained Austenite	Critical	Micro & RA	1 sample / HT Batch	1 sample / HT Batch	- Do -	- Do -	IR	Y	P	W	W	Refer Note-3	
Remarks : (Note-1):- Manufacturer to submit Heat Treatment procedure in this offer. Suitable Heat treatment shall be decided & implemented by manufacturer to achieve required Hardness & Micro- Structure properties. (Note-2):- Surface Hardness to be checked on casting with Equotip Hardness Tester. (Note-3):- Microstructure and Retained Austenite: Manufacturer to arrange reference photographs as per referred standard/ requirement for comparison with sample results. (Note-4):- Visual Inspection: The casting shall be free from defects such as blow holes, sand inclusion, shrinkage cavities, etc. which may adversely affect the utility of the casting. Following defects are unacceptable: (a) Sand & slag inclusions, blow holes: Depth of defect > 5mm. (b) Riser and ingate undercut in parent material >6mm. (Note-5):- Manufacturer to ensure identification of components by "As Cast" Heat Number/ Manufacturer Identification.															
D-Documents. Records identified with 'Y' mark shall be included by supplier in QA Documentation. M-Manufacturer / Sub-supplier, C-Supplier, N-NTPC, P-Perform, V-Verify, W-Witness															

Manufacturer/ Sub-supplier		Main Supplier	
Signature & Seal			

CHP - Customer Hold cleared by NTPC with TC-Test Certificate

1. Reference and Acceptance norms shall be derived from following in the same sequence-a) NTPC Approved drawing / data sheet b) NTPC tech specs c) Purchase Order d) Relevant national standard e) Relevant International standard f) Manufacturer's standard g) Good Engineering practices.
2. Main contractor column C may please be ignored.