

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	28-09-2026 16:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	29-09-2026 16:00:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	90 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Power
विभाग का नाम/Department Name	Thdc India Limited
संगठन का नाम/Organisation Name	Thdc India Limited
कार्यालय का नाम/Office Name	Thdc India Ltd., Rishikesh
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :ramkkataria@thdc.co.in Buyer Email id: kumarmukesh@thdc.co.in
कुल मात्रा/Total Quantity	4
वस्तु श्रेणी /Item Category	Supply of Biomass Pellet feeder conveyor system (as per BOQ) , Spares Of Biomass Pellet Feeder Conveyor System (as Per BOQ) , Civil Works For Biomass Pellet Feeder Conveyor System , Installation, Commissioning And Trial Run Of Biomass Pellet Feeder Conveyor System
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Installation, Commissioning And Trial Run Of Biomass Pellet Feeder Conveyor System (as per BOQ)
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Category not available on GeM for the text string uploaded by the buyer
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	Conveyor Belt System
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	18 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
टर्नओवर पात्रता मानदंड/Turnover eligibility criteria	To be verified by the buyer at the time of technical evaluation
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Relaxation for Years of Experience and Turnover	No

बिड विवरण/Bid Details	
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Relaxation for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	No
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
विगत प्रदर्शन /Past Performance	80 %
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	H1-Highest Priced Bid Elimination
बिड का प्रकार/Type of Bid	Two Packet Bid
प्राथमिक उत्पाद श्रेणी/Primary product category	Supply of Biomass Pellet feeder conveyor system (as per BOQ)
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
अनुमानित बिड मूल्य / Estimated Bid Value	5310000
Payment Timelines	Payments shall be made to the Seller within 30 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation

बिड विवरण/Bid Details	
वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required	Yes
मध्यस्थता खंड/ Arbitration Clause	No
सुलह खंड/ Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	PUNJAB NATIONAL BANK
ईएमडी राशि/EMD Amount	106200

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	PUNJAB NATIONAL BANK
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	16

(a). 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।/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.

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

(c).ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :

THDC INDIA LIMITED
Procurement Deptt., Gangotri Bhawan, THDC India Ltd., BY pass road, Rishikesh 249201 (U.K)
(Thdc India Limited)

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

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में है / Purchase Preference to MII sellers available upto price within $L1+X\%$	20

मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50
सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ / Purchase Preference to MSE OEMs/ Service Provider available upto price within $L1+X\%$	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	25

ट्रेड्स भुगतान संबंधी विवरण/TReDS Payment Details

This Bid provides for Trade Receivables Discounting System (TReDS) as Preferred mode of payment. For MSME sellers, payments may be processed through a TReDS exchange in which the Buyer is registered, subject to applicable policy and regulatory guidelines. Accordingly, sellers intending to avail payment through TReDS are required to be registered with at least one TReDS exchange in which the buyer is registered.

1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating

to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 and its subsequent Orders/Notifications issued by concerned Ministry .Benefits of MSE will be allowed only if seller/service provider is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs having valid Udyam Certificate and whose credentials are validated online through Udyam Registration portal 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 themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service, and Buyer will decide eligibility for purchase preference based on documentary evidence submitted in case of product bids, whereas in case of services the eligibility is automatically validated. 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 MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

5. 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.

6. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

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

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

एक्सेल में अपलोड किए जाने की आवश्यकता /Excel Upload Required :

PRICE BID - [1788419962.xlsx](#)

Supply Of Biomass Pellet Feeder Conveyor System (as Per BOQ) (1 pieces)

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

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer
Specification Document

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

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Kripal Singh Rana	203131,THDC India Ltd. , Khurja STPP,V & PO- Dashera Kherli, Tehsil-Khurja, Distt. Bulandshahr -UP	1	140

Spares Of Biomass Pellet Feeder Conveyor System (as Per BOQ) (1 pieces)

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

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer
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परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Kripal Singh Rana	203131,THDC India Ltd. , Khurja STPP,V & PO- Dashera Kherli, Tehsil-Khurja, Distt. Bulandshahr -UP	1	140

Civil Works For Biomass Pellet Feeder Conveyor System (1 pieces)

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

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer
Specification Document

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

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Kripal Singh Rana	203131,THDC India Ltd. , Khurja STPP,V & PO- Dashera Kherli, Tehsil-Khurja, Distt. Bulandshahr -UP	1	140

**Installation, Commissioning And Trial Run Of Biomass Pellet Feeder Conveyor System
(1 pieces)**

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

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download
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परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Kripal Singh Rana	203131,THDC India Ltd. , Khurja STPP,V & PO- Dashera Kherli, Tehsil-Khurja, Distt. Bulandshahr -UP	1	140

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions**1. Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

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. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

4. **Generic**

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

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

5. **Forms of EMD and PBG**

Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C

THDC INDIA LIMITED

. The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date

6. **Forms of EMD and PBG**

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name

THDC INDIA LIMITED

Account No.

0267005800000017

IFSC Code

PUNB0026700

Bank Name

PNB

Branch address

Kabari Bazar, Khurja, Dist. Bulandshahr

. Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

7. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of

THDC INDIA LIMITED

A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

8. Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name

THDC INDIA LIMITED

Account No.

0267005800000017

IFSC Code

PUNB0026700

Bank Name

PNB

Branch address

Kabari Bazar, Khurja, Dist. Bulandshahr

. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

9. Buyer Added Bid Specific ATC

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

10. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

Ref. to Buyer specification document - Clause of S.no-17 of A1. Supply items scope of contractor, in Technical Specifications may be read as "**Input Power supply cable of minimum 3.5 core, 35 mm², fire-resistant armoured, FRLS Aluminium cable with a length of 500 meters.**"

Scope of Work: The bidder should supply, install and commission of 01 Biomass pellet Feeder conveyor system, including all civil, mechanical, electrical and C&I equipment mentioned in the technical specification.

TECHNICAL SPECIFICATIONS

Design, Supply, Installation, and commissioning of Biomass Pellet Feeder system

A. Major specifications of Biomass pellet feeder system:

1. CAPACITY (Rated): 160TPH
2. Feed Material: Biomass pellets
3. Moisture of Feed Material: Max. 18%
4. Feed temperature: Ambient
5. To be designed for Max. Lump size: 25mm
6. Conveyor Belt Speed (Max) : 2m/sec
7. Belt Troughing angle: 35° and belt Tensioning arrangement: Screw Type
8. Length of conveyor: Minimum 12 meters or as per the design requirement to suit the site conditions Khurja STPP. Biomass feeder Conveyor system shall be provided with a Grizzly hopper
9. Conveyor belt, Motors, Cables and Idlers shall be of reputed make.
10. Inclination of conveyor feeder: Max . approx. 18°.
11. Biomass Feeding Height in hopper: On ground level

12. Biomass Discharge height in coal conveyor: Minimum 2.22 meters above Ground level (Pulley Bottom) or as per the design requirement to suit the site conditions Khurja STPP.
13. Feeder should be designed so that Discharge chute at end should be suitable for safe discharge of biomass pellets from biomass conveyor to exiting coal conveyor.
14. The hopper should be placed with belt feeder such that biomass pellets shall be unloaded in hopper by hydraulic trucks using JCB, Pay Loaders, Dozers etc.

A1. Supply items scope of contractor

1. Size of biomass feeding hopper: Volume minimum 5 cubic meter or suitable higher capacity hopper as per the final design requirement to suit the site conditions Khurja STPP. The hopper should have a grizzly screen on the top, the size should be 250MM x 250MM.
2. Regulating gate with Rack & Pinion type (for biomass feed control below the hopper)
3. Biomass conveyor Belt: Fire retardant type, 900mm width, 3 ply, Nylon X Nylon, 3mm top / 1.5mm bottom, Moulded Edge (Make- Oriental, Forech, Ravasco or reputed make etc), Belt Width: 900mm,
4. Drive/Head Pulley & Return/Tail Pulley: 320mm Dia (Rubberized) with 10mm thick natural rubber lagging with herringbone type grooves (Rubber shore hardness 55-60) with head shaft 70mm dia.
5. Steel Carrying roller: 89mm Dia X 20mm dia shaft (Three roll Type) having ERW 4.05mm thk pipe, Bearing no 6204 ZZ type of SKF with minimum running life of 40000 hrs.
6. Return Roller: 76mm Dia X 20 mm dia shaft having Bearing no 6204 ZZ type of SKF with minimum running life of 40000 hrs.
7. Side skirting: Minimum 1250mm X 1500mm X 300mm (height) or as per design requirement to suit the site conditions Khurja STPP.
8. Decking Plate: 3mm thk 1250mm long throughout the conveyor length
9. Conveyor support structure: minimum structural requirement Gantry Type ISMC - 125 x 65mm, ISA-65 x 65 x 6 mm, ISA - 50 x 50 x 6 mm & M.S Plate or as per design requirement to suit the site conditions Khurja STPP.
10. Belt scrapers shall be provided to prevent carryback
11. Biomass Pellet Feeder shall be fitted with Safety switches like Emergency Push Button, Zero Speed Switches, pullcord switch and belt sway (if required).
12. Incorporation of running feedback of existing ongoing conveyors to stop the system in case feeding conveyor trips.
13. Biomass Pellet Feeder shall have Safety Guards for all rotating parts, pulleys and handrails
14. Biomass Pellet Feeder shall have side walkways on both sides with handrailing.
15. Drive unit: Minimum 3-phase 5 kW motor or as per design requirement with gearbox having a suitable gear ratio of reputed make.
16. Electrical Control Panel: Control Panel should include the following items: -
 - i. 415V, 3-phase Power Distribution Board- 01 no. (With provision of 1 no Incomer, and outgoing feeders for Drive(s), Illumination, spares) with a suitable electrical protection arrangement.
 - ii. The distribution Board shall be outdoor type, suitably mounted/ anchored over a 100mm thick PCC

slab of size 2.5meter x 2.5 meter. A GI sheet covered shed of suitable size with a lockable door is to be provided for the distribution board.

- iii. The distribution board, Motor, all electrical components and structures should be properly earthed.
- iv. Contactor with overload protection for the drive 01
- v. Push Button Start 01
- vi. Push Button Stop 01
- vii. Indicator Motor On 01
- viii. MPCB 4 Pole 01
- ix. Indicator Power On 01
- x. Indicator Power Off 01
- xi. MCB 3 Pole 02
- xii. Single Phase Preventer 01
- xiii. Indicator R+Y+B 01
- xiv. Indicator Control On 01
- xv. MCB 2 Pole 01
- xvi. Panel Wiring 01
- 17. Input Power supply cable of minimum 3.5 core, 35 mm², fire-resistant armoured, FRLS Aluminium cable with a length of 500 meters.
- 18. Bidder should supply and install 1 lighting mast of min. 12-meter height, along with its feeder pillar and 04 nos. X 200 watts LED lights for lighting arrangement in the feeding area with civil works.
- 19. Provision of M. S. Steel door (min 2.1 x 1.2 m) with all the supporting structure in the existing coal conveyor for operator approach to remove biomass spillage.
- 20. **Spares:** 20% of the total number of Idlers assembly (Rollers along with frame), Drive Assembly (01 drive motor & 01 Gearbox), Couplings, Bearings and one additional scrapper assembly shall be supplied along with supply.

B. Civil work, Installation and Commissioning works:

- I. All supporting civil works like foundation, Sump, etc (Min RCC grade is M25) for part of the biomass feeding system to be fixed underground to facilitate Hopper feeding of Biomass Pellets by trucks, loader, JCB etc. Schematic diagram of biomass feeder system enclosed below in Biomass feeder diagram BMD-1
 - II. All necessary modifications to the existing conveyor 6A/6B structure to facilitate the biomass feeding system erection.
 - III. Laying of input power cable from the CHP MCC-B switch gear room to the biomass feeder conveyor and lighting mast etc through existing cable route from MCC-B.
 - IV. Installation and commissioning of lighting mast.
- 21.** Any items, materials, or works not specifically mentioned in the above scope of supply and work, but required for the complete and proper functioning of the biomass pellet feeder system, shall be deemed to be

included in the contractor's scope. The contractor shall supply and execute the same without any additional cost to THDC.

22. Commissioning of Biomass feeder system: After completion of erection, electrical works, the contractor should start the commissioning work. The commissioning includes trial run of Biomass feed system. The trial run consists of 7 days of operation of biomass feeder system by contractor and trial run will be witnessed by THDC.

23. Applicable standard and suggested makes for conveyor supply equipments given in Table-1 :

Table-1			
Sl. No	Item Description	Applicable Standard	Suggested Make
1	Biomass Feeding Hopper with Grizzly Screen, Regulating Gate, Drive / Head Pulley, Return / Tail Pulley, Side Skirting, Decking Plate, Conveyor Support Structure, MS Steel Door	IS 2062, IS 808, IS 8531	All structural steel shall be of SAIL/ TISCO/ JSPL/ ESSAR/ Nippon Steel/ Equivalent make
2	Conveyor Belt	IS 1891 (Part 1), ISO 340	Oriental / Forech / Ravasco / Continental/ Equivalent make
3	Carrying Idler Rollers, Return Rollers	IS 8598, ISO 1537	SKF Bearings / Equivalent make
4	Emergency Push Button Switch	IS/IEC 60947	Siemens / Schneider / L&T / Equivalent make
5	Drive Motor	IS 325, IEC 60034	ABB / Siemens / CG / Equivalent make
6	Gearbox	AGMA / ISO 6336	Bonfiglioli / Elecon / Equivalent make
7	Electrical Distribution Board	IS/IEC 61439	L&T / Schneider / Siemens/ Equivalent make
8	Contactor with Overload Relay	IS/IEC 60947	Siemens / Schneider / L&T/ Equivalent make
9	MPCB 4 Pole, MCB 3 Pole, MCB 2 Pole	IS/IEC 60947-2	Schneider / Siemens / L&T/ Equivalent make
10	Power Supply Cable	IS 7098 (Part 1), IEC 60502	Polycab / KEI / Havells/ Equivalent make
11	Paint & Surface Protection	IS 1477, IS 2074	Reputed Make

अस्वीकरण/**Disclaimer**

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents (other than EMD and signed Integrity Pact - which can be submitted within 5 days of bid opening) in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

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. 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.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

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

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।/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.

---धन्यवाद/Thank You---