बिड संख्या/Bid Number: GEM/2026/B/8252403

दिनांक /Dated: 07-11-2026

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	07-12-2026 11:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	08-12-2026 11:00:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	30 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Finance
विभाग का नाम/Department Name	Department Of Economic Affairs
संगठन का नाम/Organisation Name	Security Printing And Minting Corporation Of India Limited (spmcil)
कार्यालय का नाम/Office Name	3rd Floor Tower G World Trade Centre Nauroji Nagar
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :ram.sahai@gov.in Buyer Email id: p.praveen.kumar@spmcil.com
कुल मात्रा/Total Quantity	1
वस्तु श्रेणी /Item Category	Design, Supply, Installation, Testing and Commissioning of Evaporative Duct type Air Cooling System
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	Evaporative Duct type Air Cooler System
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Direct Evaporative Air Cooler (V2) ISI Marked To IS 3315, Pumpset for Direct Evaporative Air Cooler Conforming to IS 11951, Drinking Water Coolers (V4) ISI Marked To IS 1475, AC Duct Mountable Air Decontamination System, Mist Air Fan, Unmanned Aerial Vehicle / Drones for Agricultural Purposes (V3)
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	• Direct Evaporative Air Cooler (V2) ISI Marked To IS 3315 • Pumpset for Direct Evaporative Air Cooler Conforming to IS 11951
वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience and Turnover	Yes | Complete
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years Of Experience and Turnover	Yes | Complete

बिड विवरण/Bid Details	
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,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	No
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	3 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
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
वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required	Yes
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाईजरी बैंक/Advisory Bank	Indusind bank
ईएमडी राशि/EMD Amount	44000

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	Indusind bank
ईपीबीजी प्रतिशत (%)/ePBG Percentage(%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	20

(a). 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।/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 :
Chief General Manager
P. B. No: 10, IDA Phase-II, Cherlapally, R.R.District, Hyderabad- 500 051, India.
(India Government Mint, Hyderabad)

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 availabele 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. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
3. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
4. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.
5. 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.

6. **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.
7. 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.

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

Price schedule for Evaporative Duct type Air Cooling System - 1794026678.xlsx

Pre Bid Detail(s)

मूल्य भिन्नता खंड दस्तावेज़/Pre-Bid Date and Time	प्री-बिड स्थान/Pre-Bid Venue
21-11-2026 15:00:00	India Government Mint, Hyderabad P.B. NO: 10, IDA PHASE-II, Cherlapally, (R.R district), Hyderabad, Telangana, Pin-500051, India. E-Mail: purchase.igmh@spmcil.com; p.praveen.kumar@spmcil.com; Phone: 040-27268300, EXT: 117/122. Note: The Bidder(s) or his Official representative who will participate in bidding process are invited to attend Pre-Bid Conference Meeting which will take place on the date specified in Bid document. Bidder(s) queries if any must reach to India Government Mint, Hyderabad at least 2 days prior to Pre-Bid Meeting date to the E-Mail ID provided in GeM bid document. The Bidder(s) or his Official representative who will participate in bidding process are requested to send the details of the Persons attending along with ID Proofs against the GeM bid to the above mentioned E-mail Id at least 2 days prior to the date of the Pre-Bid Interaction date for making necessary Gate Pass arrangements.

Design, Supply, Installation, Testing And Commissioning Of Evaporative Duct Type Air Cooling System (1 set)

(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

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

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Gaurav Singh	500051,India Govt Mint, IDA, Phase-II Cherapally, (R.R district) Hyderabad , Telangana	1	120

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

1. **Generic**

   After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 10 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 5 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

2. **Generic**

   Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

   India Government Mint, Hyderabad
   IDA Phase-II, Cherlapally, Hyderabad (R.R district),
   Telangana, Pin-500051, India.
   E-Mail: ShailendraSingh.Rajput@spmcil.com; gaurav.singh@spmcil.com; stores.igmh@spmcil.com; purchase.igmh@spmcil.com
   Phone: 040-27268300 (EXT: 204/223/246/117)
   .

3. **Generic**

   Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

4. **Generic**

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 7 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

5. **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 %.

6. **Generic**

   Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

7. **Generic**

   Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

8. **Generic**

   Scope of supply includes Training: Number of employees to be trained

   10
   , Place for Training
   India Government Mint, Hyderabad
   and Duration of training
   3
   days.

9. **Generic**

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

10. **Generic**

    1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
    2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
    3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

11. **Generic**

    Without prejudice to Buyer’s right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:
    i) The Seller fails to comply with any material term of the Contract.
    ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
    iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
    iv) The Seller becomes bankrupt or goes into liquidation.
    v) The Seller makes a general assignment for the benefit of creditors.
    vi) A receiver is appointed for any substantial property owned by the Seller.
    vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

12. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

13. **Warranty**

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

14. **Forms of EMD and PBG**

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

India Government Mint, Hyderabad (A Unit of SPMCIL)
payable at
Hyderabad
.
Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

15. **Forms of EMD and PBG**

Bidders can also submit the EMD with Banker’s Cheque in favour of

India Government Mint, Hyderabad (A Unit of SPMCIL)
payable at
Hyderabad
.
Bidder has to upload scanned copy / proof of the BC along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

16. **Forms of EMD and PBG**

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

INDIA GOVERNMENT MINT (A UNIT OF SPMCIL) -COLLECTION A/C
Account No.
201003484303
IFSC Code
INDB0000004
Bank Name
INDUSIND BANK
Branch address
0004 - HYDERABAD
.
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.

17. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of

India Government Mint, Hyderabad (A Unit of SPMCIL)
payable at
Hyderabad
. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

18. **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

India Government Mint, Hyderabad (A Unit of SPMCIL)
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.

19. **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

INDIA GOVERNMENT MINT (A UNIT OF SPMCIL) -COLLECTION A/C
Account No.
201003484303
IFSC Code
INDB0000004
Bank Name
INDUSIND BANK
Branch address
0004 - HYDERABAD
. 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.

20. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

A.TECHNICAL SPECIFICATIONS FOR EVAPORATIVE DUCTED AIR COOLING SYSTEM OF IGMH:

I.LOCATION: ASSAY DEPARTMENT – FIRST FLOOR:

1.PROJECT DETAILS

Name of Work:

Supply, Installation, Testing and Commissioning of Evaporative Ducted Air Cooling System f or Assay Department – First Floor.

2.IMPORTANT NOTE

The airflow capacity (CFM/CMH), ducting areas, insulation quantities, grill quantities and all dimensions mentioned in this specification are indicative only and may vary depending upo n actual site conditions, heat load calculations, equipment arrangement, execution feasibili ty, airflow balancing requirements and final approved layouts.

The vendor shall visit the site before execution and verify all dimensions, routing, installati on feasibility and cooling requirements. Final design and quantities shall be finalized after d etailed site survey and engineering assessment.

3.SCOPE OF WORK

The scope of work includes complete design, supply, fabrication, installation, testing and co mmissioning of evaporative air cooling system along with:

• Air Cooling Unit

• GI Ducting Network

• Thermal Insulation

• Air Distribution Grills/Diffusers

• Electrical Works

• Digital Starter

• MS Structural Supports

• Canvas Connections

• Duct Colouring

• Civil & Masonry Works

• Exhaust Arrangements

• Allied Accessories and Consumables

The work shall be executed on turnkey basis and shall be complete in all respects for satisf actory operation of the system.

4.TECHNICAL SPECIFICATION OF AIR COOLING UNIT

S.No Description Specification

1. Type Industrial Evaporative Ducted Air Cooling System

2. Make Symphony or Equivalent Premium Brand

3. Model Symphony Venti-Cool 25U Top/Bottom Air Discharge Model or Equivalent Top/Bot tom Air Discharge Model

4. Cooling Pad 4 Side Cooling Pad

5. Air Flow Capacity 14,770 CFM (25,000 CMH) – Indicative

6. Motor Rating 1.5 kW (2.2 HP) Maximum

7. Power Supply Three Phase

8. Speed Single Speed

9. Body Construction Weather resistant UV Stabilised Structural Polymer Body

10. Corrosion Protection Rust Free Construction

11. Cooling Media High Efficiency Celdek Cellulose Cooling Pads

12. Blower Type Heavy Duty Centrifugal Blower

13. Additional Features Pre-Filters, Water Circulating Pump

14. Minimum Pad Thickness 100 mm

15. Discharge Should have provision of Top & Bottom Discharge

16. Quantity 01 No.

5.AIR DISTRIBUTION SYSTEM

The conditioned air shall be distributed through properly designed and balanced GI ducting system complete with aluminium powder coated double deflection grills and/or jet diffusers .

The ducting layout shall ensure proper cooling coverage for all operational zones and mach ine operator areas within the Department.

Proper airflow balancing shall be ensured to achieve uniform cooling throughout the workin g area.

6.GI DUCTING SPECIFICATION

6.1 GI Ducting – 24 Gauge

Sl. No Description Specification

1 Duct Type Rectangular/Square GI Duct

2 Material Thickness 24 Gauge / 0.6 mm

3 Scope Supply, Fabrication & Erection

4 Area Approx. 32 Sq.ft

5 Accessories Flanges, Cleats, Supports, Fasteners etc.

Note:

The quantity mentioned above is indicative only and may vary depending upon actual site conditions and final approved routing.

6.2 GI Ducting – 22 Gauge

Sl. No Description Specification

1 Duct Type Rectangular/Square GI Duct

2 Material Thickness 22 Gauge / 0.8 mm

3 Scope Supply, Fabrication & Erection

4 Area Approx. 768 Sq.ft

5 Accessories Flanges, Cleats, Supports, Fasteners etc.

Note:

The ducting quantity and area are approximate and may vary as per actual site conditions and execution requirements.

7.AIR DISTRIBUTION GRILLS / DIFFUSERS

Sl. No Description Specification

1 Type Double Deflection Grill / Jet Diffuser

2 Material Aluminium

3 Finish Powder Coated

4 Quantity Approx. 10 Sq.ft

5 Scope Supply & Fixing Complete

Note:

Final quantity and dimensions of grills/diffusers shall be finalized during execution based o n airflow balancing and site requirements.

8.VFD SPEED CONTROLLER

Supply and installation of Variable Frequency Drive (VFD) suitable for speed control of eva porative air cooling unit.

Sl. No Description Specification

1 Type Variable Frequency Drive

2 Application Air Cooler Speed Control

3 Protection Overload, Short Circuit & Phase Protection

4 Quantity 01 No.

The VFD shall be compatible with supplied motor rating and operating conditions.

9.THERMAL INSULATION

Sl. No Description Specification

1 Insulation Type Nitrile Rubber / Equivalent Approved Insulation

2 Thickness 09 mm

3 Application External Surface of GI Ducting

4 Area Approx. 768 Sqft

5 Scope Supply & Installation Complete

Note:

The insulation quantity indicated above is approximate and may vary depending upon actu al installed duct length and site conditions.

10.MS FABRICATED STAND

S.No Description Specification

1 Material Mild Steel

2 Finish Anti-Corrosive Primer & Double Coating of Paint

3 Scope Fabrication, Installation & Service Access

4 Quantity 01 No.

The stand shall be structurally suitable to withstand equipment load and operational vibrati on.

11.ELECTRICAL WORKS

S.No Description Specification

1 Power Supply Single/Three Phase as Required

2 Protection Required MCBs/Isolators

3 Cabling Suitable Copper Cable

4 Scope Wiring, Termination & Commissioning

5 Quantity 01 Set

All electrical works shall be carried out as per standard electrical safety practices.

12. DIGITAL STARTER

Sl. No Description Specification

1 Type Digital Starter

2 Application Air Cooling/Fresh Air Unit

3 Quantity 01 No.

The starter shall include overload protection, short circuit protection and phase failure prot ection as applicable.

13. CANVAS CONNECTIONS

Sl. No Description Specification

1 Type Flexible Canvas Connection

2 Application Unit to Duct Connection

3 Quantity 01 AU

Canvas connections shall be provided to reduce vibration and noise transmission.

14. DUCT COLOURING

All exposed GI ducts and canvas ducts shall be properly cleaned and coated/painted with a pproved colour finish for corrosion protection and aesthetic appearance wherever required.

15. VENDOR SCOPE

The vendor scope shall include, but not be limited to, the following works:

• Complete design and execution of air cooling system

• Supply and installation of evaporative cooling unit

• GI duct fabrication and erection

• Thermal insulation works

• Air distribution grills/diffusers

• Electrical works and protection systems

• MS structural fabrication works

• Civil and masonry works

• Wall cutting and restoration

• False ceiling cutting/restoration

• Scaffolding works

• Carpentry works if required

• Exhaust arrangement requirements

• Painting and finishing works

• Vibration isolation arrangements

• Testing and commissioning of complete system

• Supply of all accessories, hardware and consumables required for successful completion of work

Any item not specifically mentioned but required for satisfactory operation of the system s hall be deemed included in vendor scope without additional cost.

16. DEPARTMENT SCOPE

The following shall be provided by IGMH:

• Electrical power supply near installation location

• Water supply connection near installation area

17. GENERAL TECHNICAL REQUIREMENTS

1. All supplied materials shall be new, genuine and unused.

2. All components shall be of reputed make and industrial quality.

3. Installation shall comply with standard engineering and safety practices.

4. GI duct joints shall be properly sealed and leak proof.

5. Proper airflow balancing shall be ensured during commissioning.

6. The complete system shall be tested after installation for satisfactory performance.

7. The vendor shall inspect the site prior to execution and verify all operational requirement s.

8. Necessary safety measures shall be followed during execution of work.

II.LOCATION: ASSAY DEPARTMENT – SECOND FLOOR:

1. Scope of Work

The scope of work includes design, supply, fabrication, installation, testing and commissioni ng of Evaporative Ducted Air Cooling System suitable for industrial application complete wi th GI ducting, insulation, air distribution accessories, electrical works, supporting structures and all allied civil and fabrication works required for satisfactory performance of the system .

The entire system shall be supplied and installed on turnkey basis and shall be complete in all respects for trouble-free operation.

2. Technical Specification of Air Cooling Unit

Sl. No Description Specification

1. Type Universal Evaporative Ducted Air Cooling System

2. Make Symphony or Equivalent Premium Brand

3. Model Venti-Cool 11 U Top/Bottom Air Discharge Model or Equivalent Top/Bottom Air Di scharge Model

4. Air Delivery Capacity 6508 CFM [11000 CMH] Indicative

5. Power Supply Single Phase

6. Speed Single Speed

7. Motor Rating 0.450 KW Maximum.

8. Cooling Media High Efficiency Celdek Cellulose Cooling Pads

9. Pump Heavy Duty Water Circulating Pump

10. Cooling Pad 4 Side Cooling Pad

11. Body Material Weather resistant UV Stabilised Structural Polymer Body

12. Minimum Pad Thickness 100 mm

13. Discharge Should have provision of Top & Bottom Discharge

14. Construction Rust Free Body

15. Application Industrial/Commercial Cooling

16. Quantity 01 No.

3. GI Ducting Specification

Supply, fabrication and erection of GI ducting complete with all necessary accessories inclu ding bends, reducers, collars, cleats, flanges, hangers, supports, fasteners, sealing material s etc.

S.No Description Specification

1 Duct Type Rectangular/Square GI Duct

2 Material Galvanized Iron Sheet

3 Thickness 24 Gauge / 0.6 mm

4 Total Duct Area Approx. 128 Sqft

5 Supports MS Angles/Threaded Rod Supports

6 Jointing Leak Proof Flanged Jointing

7 Scope Supply, Fabrication & Erection Complete

Note:

The ducting area mentioned above is indicative only and may vary depending upon actual site conditions and routing requirements during execution.

4. Air Distribution Grill Specification

Supply and fixing of Aluminium Powder Coated Double Deflector Grill suitable for condition ed air distribution.

Sl. No Description Specification

1 Type Double Deflector Grill

2 Material Aluminium

3 Finish Powder Coated

4 Quantity 01 No. or as required on actual site

5 Scope Supply & Fixing Complete

5. Thermal Insulation Specification

Providing and fixing thermal insulation over GI ducting complete with adhesive, binding an d finishing.

Sl. No Description Specification

1 Insulation Thickness 09 mm

2 Application External Surface of GI Duct

3 Area Approx. 128 Sqft

4 Type Closed Cell / Equivalent Approved Insulation

5 Scope Supply & Installation Complete

Note:

The insulation quantity indicated above is approximate and may vary as per actual site con

ditions and installed duct length.

6. MS Fabricated Stand Supply, fabrication and installation of heavy-duty MS fabricated sta nd for mounting of air cooling unit complete with maintenance/service access arrangement .

Sl. No Description Specification

1 Material Mild Steel

2 Finish Anti-Corrosive Primer & Double coating Paint

3 Scope Fabrication, Welding, Installation & Alignment

The stand shall be designed adequately to withstand operational load and vibration of the c ooling unit.

7. Elecrical Works

Spply and installation of complete electrical connection for the air cooling system including cabling, protection and termination.

Sl. No Description Specification

1 Power Supply Single/Three Phase as Required

2 Protection Required MCBs/Isolators

3 Cabling Suitable Copper Cable

4 Scope Wiring, Termination & Commissioning

5 Quantity 01 Set

8. VFD SPEED CONTROLLER

Supply and installation of Variable Frequency Drive (VFD) suitable for speed control of eva porative air cooling unit.

Sl. No Description Specification

1 Type Variable Frequency Drive

2 Application Air Cooler Speed Control

3 Protection Overload, Short Circuit & Phase Protection

4 Quantity 01 No.

The VFD shall be compatible with supplied motor rating and operating conditions.

9. Vendor Scope

The vendor scope shall include, but not be limited to, the following works:

• Supply, installation, testing and commissioning of complete evaporative cooling system

• GI duct fabrication and erection

• Thermal insulation works

• Supply and fixing of grills/diffusers

• MS structural fabrication works

• Civil and masonry works

• Wall cutting and restoration works

• False ceiling cutting/restoration works

• Scaffolding works

• Carpentry works if required

• Exhaust arrangement requirements

• Painting and finishing works

• Drain arrangement if required

• All consumables, fasteners and minor accessories required for satisfactory completion of work

Any item not specifically mentioned but required for proper functioning of the system shall be deemed included in vendor scope without any additional cost.

10. Department Scope

The following shall be provided by IGMH:

• Electrical power supply point near installation location

• Water supply connection near installation area

11. General Technical Requirements

1. All materials supplied shall be new, genuine and unused.

2. All components shall be of standard industrial quality.

3. Installation shall comply with standard engineering and safety practices.

4. The system shall be tested for satisfactory performance after installation.

5. Vendor shall ensure leak-proof ducting installation.

6. Proper vibration isolation and structural stability shall be ensured.

7. All exposed metal surfaces shall be painted/coated properly against corrosion.

8. The vendor shall visit the site before execution and verify all dimensions and installation requirements.

12. Important Note

The quantities, dimensions, ducting area, insulation area and allied works mentioned in this specification are indicative only and may vary depending upon actual site conditions, r outing requirements and execution feasibility at site. The vendor shall assess the site condi

tions before execution and complete the work satisfactorily without affecting the overall system performance.

III.LOCATION: DIE SECTION:

1. PROJECT DETAILS

Name of Work

Supply, Installation, Testing and Commissioning of Evaporative Ducted Air Cooling System f or Die Section.

2. IMPORTANT NOTE

The airflow capacities (CFM/CMH), ducting quantities, insulation quantities, grill quantities, electrical quantities and all dimensions mentioned in this specification are indicative only a nd may vary depending upon actual site conditions, heat load calculations, equipment arra ngement, airflow balancing requirements, execution feasibility and final approved drawings .

The vendor shall inspect the site before execution and verify all dimensions, routing, operat ional requirements and installation feasibility. Final design, equipment selection and quanti ties shall be finalized after detailed site survey and engineering assessment.

3. SCOPE OF WORK

The scope of work includes complete design, supply, fabrication, installation, testing and co mmissioning of evaporative ducted air cooling system including:

• Evaporative Air Cooling Units

• Auto Louver Grills

• GI Ducting System

• Thermal Insulation

• Electrical Works

• VFD System

• Duct Grills

• Canvas Connections

• Collar Dampers

• Duct Supports & Hanging Arrangements

• MS Structural Supports

• Civil & Masonry Works

• Exhaust Arrangements

• Allied Accessories and Consumables

The work shall be executed on turnkey basis and shall be complete in all respects for satisf actory and efficient operation of the system.

4. TECHNICAL SPECIFICATION OF AIR COOLING UNIT

Sl. No Description Specification

Type Industrial Evaporative Ducted Air Cooling System

1. Make Symphony or Equivalent Premium Brand

2. Model Venti-Cool 22 S Top/Bottom Air Discharge Model or Equivalent Top/Bottom Air Dis charge Model

3. Air Flow Capacity 13,000 CFM (22,000 CMH) – Indicative

4. Motor Rating 1.1 kW / 1.5 HP Maximum

5. Electrical Supply Three Phase

6. Speed Single Speed

7. Body Material Weather resistant UV Stabilised Structural Polymer Body

8. Cooling Pad 4 Side Cooling Pad

9. Minimum Pad Thickness 100 mm

10. Discharge Should have provision of Top & Bottom Discharge

11. Corrosion Protection Rust Free Construction

12. Cooling Media High Efficiency Celdek Cellulose Cooling Pads

13. Features Pre-Filters, Water Circulating Pump

14. Quantity 03 Nos.

5. UV RESISTANT AUTO LOUVER GRILLS

Supply and installation of UV resistant auto louver grills suitable for evaporative cooling ap plication.

Sl. No Description Specification

1 Type Auto Louver Grill

2 Make Symphony or Equivalent Premium Brand

3 Material UV Resistant Plastic/Polymer

4 Quantity 03 Nos. or required as per site condition

5 Scope Supply & Fixing Complete

6. MS FABRICATED STANDS

Supply, fabrication and installation of heavy-duty MS fabricated stands complete with main tenance/service access arrangement for mounting of evaporative air cooling units.

Sl. No Description Specification

1 Material Mild Steel

2 Finish Anti-Corrosive Primer & Double coat of Paint

3 Scope Fabrication, Welding & Installation

The stand shall be designed to withstand operational load and vibration of the equipment.

7. ELECTRICAL WORKS

Supply and installation of outgoing three phase electrical connections from air cooler to op erating point complete with required protection devices.

Sl. No Description Specification

1. Supply Type Three Phase

2. Protection Required MCBs / Isolators

3. Cabling Suitable Copper Cable

4. Scope Wiring, Termination & Commissioning

5. Quantity 03 Nos.

All electrical works shall comply with standard electrical safety practices and applicable sta ndards.

8. GI COLLAR FOR AIR GRILL

Supply and installation of GI rectangular/square collar suitable for connection between air g rills and ducting system.

Sl. No Description Specification

1 Type Rectangular/Square Collar

2 Material Galvanized Iron

3 Thickness 24 Gauge

4 Scope Supply & Installation Complete

9. GI DUCTING WORKS

Supply, fabrication and erection of GI rectangular/square ducting complete with supports, fl anges, cleats, gaskets and accessories.

Sl. No Description Specification

1 Duct Type Rectangular/Square GI Duct

2 Material Thickness 22 Gauge / 0.8 mm

3 Scope Supply, Fabrication & Erection

4 Area Approx. 178 Sq.ft

5 Accessories Flanges, Supports, Angles & Fasteners

Note:

The ducting area mentioned above is indicative only and may vary depending upon actual site conditions, routing and final approved layout.

10. VFD SYSTEM

Supply and installation of Variable Frequency Drive (VFD) suitable for controlling airflow sp eed of evaporative air coolers.

Sl. No Description Specification

1 Type Variable Frequency Drive

2 Application Air Speed Control

3 Protection Overload, Short Circuit & Phase Failure Protection

4 Quantity 03 Nos.

The VFD shall be compatible with supplied motor ratings and operating conditions.

11. THERMAL INSULATION

Providing and fixing thermal insulation over GI ducting complete with adhesive, sealing and finishing.

Sl. No Description Specification

1 Insulation Type Nitrile Rubber / Equivalent Approved Insulation

2 Thickness 09 mm

3 Application External Surface of GI Duct

4 Scope Supply & Installation Complete

Note:

The insulation quantity shall vary depending upon actual installed duct area and site condit ions.

12. UV PLASTIC DUCT GRILLS

Supply and installation of Symphony UV plastic duct grills or equivalent premium brand.

Sl. No Description Specification

1 Type UV Plastic Duct Grill

2 Make Symphony or Equivalent Premium Brand

3 Quantity 03 Nos.

4 Scope Supply & Installation Complete

13. CANVAS CONNECTIONS

Supply and installation of flexible canvas connections between evaporative air cooler and GI ducting.

Sl. No Description Specification

1 Type Flexible Canvas Connection

2 Application Unit to Duct Connection

3 Quantity 03 Nos.

Canvas connections shall be provided to minimize vibration and noise transmission.

14. COLLAR DAMPERS

Supply and installation of collar dampers for jet diffusers/grills to facilitate proper airflow ba lancing.

Sl. No Description Specification

1 Type Collar Damper

2 Material GI / Aluminium

3 Application Air Balancing

4 Scope Supply & Installation Complete

15. DUCT SUPPORTS & HANGING ARRANGEMENTS

Supply and installation of duct supports, angles and hanging arrangements for erection of ducting inside conditioned area.

Sl. No Description Specification

1 Material Mild Steel

2 Scope Fabrication & Installation

3 Quantity 03 Sets

Proper structural support arrangement shall be provided for all ducting installations.

16. VENDOR SCOPE

The vendor scope shall include, but not be limited to, the following:

• Complete design and execution of air cooling system

• Supply and installation of evaporative cooling units

• GI duct fabrication and erection

• Thermal insulation works

• Electrical works and protection systems

• VFD installation and commissioning

• MS fabrication works

• Civil and masonry works

• Wall cutting and restoration works

• False ceiling cutting/restoration

• Scaffolding works

• Carpentry works if required

• Exhaust arrangement requirements

• Duct supports and hanging systems

• Painting and finishing works

• Vibration isolation arrangements

• Testing and commissioning of complete system

• Supply of all accessories, consumables and hardware required for satisfactory completion of work

Any item not specifically mentioned but required for proper functioning of the system shall be deemed included in vendor scope without additional cost.

17. DEPARTMENT SCOPE

The following shall be provided by IGMH:

• Electrical power supply near installation location

• Water supply connection near installation location

18. GENERAL TECHNICAL REQUIREMENTS

1. All supplied materials shall be new, genuine and unused.

2. All components shall be of reputed make and industrial quality.

3. Installation shall comply with standard engineering and safety practices.

4. GI duct joints shall be properly sealed and leak proof.

5. Proper airflow balancing shall be ensured during commissioning.

6. The complete system shall be tested after installation for satisfactory performance.

7. The vendor shall inspect the site prior to execution and verify all operational requirements.

8. Necessary safety measures shall be followed during execution of work.

IV. LOCATION: MEDAL SECTION:

Name of Work

Supply, Installation, Testing and Commissioning of Evaporative Ducted Air Cooling System f or Medal Section.

2. IMPORTANT NOTE

The airflow capacities (CFM/CMH), ducting quantities, insulation quantities, grill quantities, electrical quantities and all dimensions mentioned in this specification are indicative only a nd may vary depending upon actual site conditions, layout, heat load calculations, airflow b alancing requirements, routing feasibility and final approved execution drawings.

The vendor shall inspect the site before execution and verify all dimensions, operational re quirements, installation feasibility and routing conditions. Final design, equipment configur ation and quantities shall be finalized after detailed site survey and engineering assessmen t.

3. SCOPE OF WORK

The scope of work includes complete design, supply, fabrication, installation, testing and co mmissioning of evaporative ducted air cooling system including:

• Evaporative Air Cooling Unit

• GI Ducting System

• Thermal Insulation

• Air Distribution Grills

• Electrical Works

• Digital Starter

• MS Structural Supports

• Canvas Connections

• Duct Supports & Hanging Arrangements

• Civil & Masonry Works

• Exhaust Arrangements

• Allied Accessories and Consumables

The work shall be executed on turnkey basis and shall be complete in all respects for satisf actory and efficient operation of the system.

4. TECHNICAL SPECIFICATION OF AIR COOLING UNIT

Sl. No Description Specification

1. Type Industrial Universal Evaporative Ducted Air Cooling System

2. Make Symphony or Equivalent Premium Brand

3. Model Venti-Cool 40T Top/Bottom Air Discharge Model or Equivalent Top/Bottom Air Discharge Model

4. Air Flow Capacity 24,000 CFM (40,000 CMH) – Indicative

5. Motor Rating 3.0 kW / 4.0 HP Maximum

6. Electrical Supply Three Phase

7. Speed Single Speed

8. Body Material Weather resistant UV Stabilised Structural Polymer Body

9. Cooling Pad 4 Side Cooling Pad

10. Minimum Pad Thickness 100 mm

11. Discharge Should have provision of Top & Bottom Discharge

12. Corrosion Protection Rust Free Construction

13. Cooling Media High Efficiency Celdek Cellulose Cooling Pads

14. Features Pre-Filters, Water Circulating Pump

15. Quantity 01 No.

5. GI DUCTING WORKS

Supply, fabrication and erection of GI rectangular/square ducting complete with flanges, cleats, supports, fasteners and accessories.

5.1 GI Ducting – 24 Gauge

Sl. No Description Specification

1 Duct Type Rectangular/Square GI Duct

2 Material Thickness 24 Gauge / 0.6 mm

3 Scope Supply, Fabrication & Erection

4 Area Approx. 64 Sq.ft

5 Accessories Flanges, Cleats, Supports & Fasteners

Note:

The ducting quantity mentioned above is indicative only and may vary depending upon actual site conditions and final approved routing.

5.2 GI Ducting – 22 Gauge

Sl. No Description Specification

1 Duct Type Rectangular/Square GI Duct

2 Material Thickness 22 Gauge / 0.8 mm

3 Scope Supply, Fabrication & Erection

4 Area Approx. 1100 Sq.ft

5 Accessories Flanges, Cleats, Supports & Fasteners

Note:

The ducting area mentioned above is indicative only and may vary depending upon actual site conditions, execution feasibility and approved layout.

6. AIR DISTRIBUTION GRILLS

Supply and installation of aluminium powder coated double deflection grills suitable for con ditioned air distribution.

Sl. No Description Specification

1 Type Double Deflection Grill

2 Material Aluminium

3 Finish Powder Coated

4 Quantity/Area Approx. 18 Sq.ft

5 Scope Supply & Installation Complete

Note:

Final grill quantity and size shall be finalized during execution based on airflow balancing r equirements.

7. THERMAL INSULATION

Providing and fixing thermal insulation over GI ducting complete with adhesive, sealing and finishing.

Sl. No Description Specification

1 Insulation Type 09 mm Nitrile Rubber / Equivalent Approved Insulation

2 Application External Surface of GI Ducting

3 Area Approx. 260 Sq.ft

4 Scope Supply & Installation Complete

Note:

The insulation quantity indicated above is approximate and may vary depending upon actu al installed duct area and site conditions.

8. MS FABRICATED STAND

Supply, fabrication and installation of heavy-duty MS fabricated stand complete with servic e/maintenance access arrangement for mounting of air cooling unit.

Sl. No Description Specification

1 Material Mild Steel

2 Finish Anti-Corrosive Primer & Double coat of Paint

3 Scope Fabrication, Welding & Installation

4 Quantity 01 No.

The stand shall be designed to withstand operational load and vibration of the equipment.

9. ELECTRICAL WORKS

Supply and installation of electrical connection from air cooler to operating point complete with required protection devices.

Sl. No Description Specification

1. Supply Type Single/Three Phase as Required

2. Protection Required MCBs / Isolators

3. Cabling Suitable Copper Cable

4. Scope Wiring, Termination & Commissioning

5. Quantity 01 Set

All electrical works shall comply with standard electrical safety practices.

10. DIGITAL STARTER

Supply and installation of digital starter suitable for fresh air unit/air cooling system.

Sl. No Description Specification

1 Type Digital Starter

2 Make Symphony or Equivalent Approved Brand

3 Application Fresh Air Unit

4 Protection Overload & Short Circuit Protection

5 Quantity 01 No.

11. CANVAS CONNECTIONS

Supply and installation of flexible canvas connections between air cooling unit and GI ducti ng.

Sl. No Description Specification

1 Type Flexible Canvas Connection

2 Application Unit to Duct Connection

3 Quantity 01 No.

Canvas connections shall minimize vibration and noise transmission.

12. DUCT SUPPORTS & HANGING ARRANGEMENTS

Supply and installation of duct supports, hanging arrangements and angles for erection of GI ducting.

Sl. No Description Specification

1 Material Mild Steel

2 Scope Fabrication & Installation

3 Application GI Duct Support System

Proper structural support shall be provided for all ducting installations.

13. VFD SPEED CONTROLLER

Supply and installation of Variable Frequency Drive (VFD) suitable for speed control of eva porative air cooling unit.

Sl. No Description Specification

1 Type Variable Frequency Drive

2 Application Air Cooler Speed Control

3 Protection Overload, Short Circuit & Phase Protection

4 Quantity 01 No.

The VFD shall be compatible with supplied motor rating and operating conditions.

14. VENDOR SCOPE

The vendor scope shall include, but not be limited to, the following:

• Complete design and execution of air cooling system

• Supply and installation of evaporative cooling unit

• GI duct fabrication and erection

• Thermal insulation works

• Air distribution grills

• Electrical works and protection systems

• Digital starter installation and commissioning

• MS structural fabrication works

• Civil and masonry works

• Wall cutting and restoration works

• False ceiling cutting/restoration

• Scaffolding works

• Carpentry works if required

• Exhaust arrangement requirements

• Duct supports and hanging systems

• Painting and finishing works

• Vibration isolation arrangements

• Testing and commissioning of complete system

• Supply of all accessories, consumables and hardware required for satisfactory completion of work

Any item not specifically mentioned but required for proper functioning of the system shall be deemed included in vendor scope without additional cost.

15. DEPARTMENT SCOPE

The following shall be provided by IGMH:

• Electrical power supply near installation location

• Water supply connection near installation location

16. GENERAL TECHNICAL REQUIREMENTS

1. All supplied materials shall be new, genuine and unused.

2. All components shall be of reputed make and industrial quality.

3. Installation shall comply with standard engineering and safety practices.

4. GI duct joints shall be properly sealed and leak proof.

5. Proper airflow balancing shall be ensured during commissioning.

6. The complete system shall be tested after installation for satisfactory performance.

7. The vendor shall inspect the site prior to execution and verify all operational requirements.

8. Necessary safety measures shall be followed during execution of work.

V. LOCATION: HR DEPARTMENT:

1. PROJECT DETAILS

Name of Work

Supply, Installation, Testing and Commissioning of Evaporative Ducted Air Cooling System for HR Department.

2. IMPORTANT NOTE

The airflow capacities (CFM/CMH), ducting quantities, insulation quantities, grill quantities, colouring areas and all dimensions mentioned in this specification are indicative only and may vary depending upon actual site conditions, layout, heat load calculations, routing feasibility, airflow balancing requirements and final approved execution drawings.

The vendor shall inspect the site before execution and verify all dimensions, installation fea sibility, airflow requirements and routing conditions. Final design, duct sizing and quantities shall be finalized after detailed site survey and engineering assessment.

3. SCOPE OF WORK

The scope of work includes complete design, supply, fabrication, installation, testing and co mmissioning of evaporative ducted air cooling system including:

• Evaporative Air Cooling Unit

• GI Ducting System

• Thermal Insulation

• Air Distribution Grills

• Collar Dampers

• Electrical Works

• Digital Starter

• MS Structural Supports

• Canvas Connections

• Duct Colouring

• Civil & Masonry Works

• Exhaust Arrangements

• Allied Accessories and Consumables

The work shall be executed on turnkey basis and shall be complete in all respects for satisf actory and efficient operation of the system.

4. TECHNICAL SPECIFICATION OF AIR COOLING UNIT

Sl. No Description Specification

1. Type Universal Evaporative Ducted Air Cooling System

2. Make Symphony or Equivalent Premium Brand

3. Model Venti-Cool 25U Top/Bottom Air Discharge Model or Equivalent Top/Bottom Air Dis charge Model

4. Air Flow Capacity 14,770 CFM (25,000 CMH) – Indicative

5. Air Discharge Top/Bottom Air Discharge

6. Motor Rating 1.5 kW / 2.2 HP Maximum

7. Electrical Supply Three Phase

8. Speed Single Speed

9. Body Material Weather resistant UV Stabilised Structural Polymer Body

10. Cooling Pad 4 Side Cooling Pad

11. Minimum Pad Thickness 100 mm

12. Discharge Should have provision of Top & Bottom Discharge

13. Corrosion Protection Rust Free Construction

14. Cooling Media High Efficiency Celdek Cellulose Cooling Pads

15. Features Pre-Filters, Water Circulating Pump

16. Quantity 01 No.

5. GI DUCTING WORKS

Supply, fabrication and erection of GI ducting complete with flanges, cleats, supports, faste ners and accessories.

5.1 GI Square/Rectangular Ducting – 24 Gauge

Sl. No Description Specification

1 Duct Type Square/Rectangular GI Duct

2 Material Thickness 24 Gauge / 0.6 mm

3 Scope Supply, Fabrication & Erection

4 Area Approx. 32 Sq.ft

5 Accessories Flanges, Cleats, Supports & Fasteners

Note:

The ducting quantity mentioned above is indicative only and may vary depending upon act ual site conditions and final approved routing.

5.2 GI Oval Ducting – 22 Gauge

Sl. No Description Specification

1 Duct Type Oval GI Duct

2 Material Thickness 22 Gauge / 0.8 mm

3 Scope Supply, Fabrication & Erection

4 Area Approx. 768 Sq.ft

5 Accessories Flanges, Cleats, Supports & Fasteners

Note:

The ducting area mentioned above is indicative only and may vary depending upon actual site conditions, execution feasibility and approved layout.

6. AIR DISTRIBUTION GRILLS

Supply and installation of aluminium powder coated double deflection grills suitable for con

ditioned air distribution.

Sl. No Description Specification

1 Type Double Deflection Grill

2 Material Aluminium

3 Finish Powder Coated

4 Quantity/Area Approx. 10 Sq.ft

5 Scope Supply & Installation Complete

Note:

Final grill quantity and dimensions shall be finalized during execution based on airflow bala ncing requirements.

7. THERMAL INSULATION

Providing and fixing thermal insulation over GI ducting complete with adhesive, sealing and finishing.

Sl. No Description Specification

1 Insulation Type 09 mm Nitrile Rubber / Equivalent Approved Insulation

2 Application External Surface of GI Ducting

3 Area Approx. 768 Sq.ft

4 Scope Supply & Installation Complete

Note:

The insulation quantity indicated above is approximate and may vary depending upon actu al installed duct area and site conditions.

8. MS COLLAR DAMPER

Supply and installation of MS collar dampers for grills/diffusers for fresh air balancing.

Sl. No Description Specification

1 Material Mild Steel

2 Application Grill/Diffuser Air Balancing

3 Quantity/Area Approx. 10 Sq.ft

4 Scope Supply & Installation Complete

The collar dampers shall facilitate proper airflow balancing within the conditioned area.

9. MS FABRICATED STAND

Supply, fabrication and installation of heavy-duty MS fabricated stand complete with servic e/maintenance access arrangement for mounting of air cooling unit.

Sl. No Description Specification

1 Material Mild Steel

2 Finish Anti-Corrosive Primer & Double coat of Paint

3 Scope Fabrication, Welding & Installation

The stand shall be designed to withstand operational load and vibration of the equipment.

10. ELECTRICAL WORKS

Supply and installation of electrical connection from air cooler to operating point complete with required protection devices.

Sl. No Description Specification

1 Supply Type Single/Three Phase as Required

2 Protection Required MCBs / Isolators

3 Cabling Suitable Copper Cable

4 Scope Wiring, Termination & Commissioning

5 Quantity 01 Set

All electrical works shall comply with standard electrical safety practices.

11. DIGITAL STARTER

Supply and installation of digital starter suitable for fresh air unit/air cooling system.

Sl. No Description Specification

1 Type Digital Starter

2 Application Fresh Air Unit

3 Protection Overload & Short Circuit Protection

4 Quantity 01 No.

12. CANVAS CONNECTIONS

Supply and installation of flexible canvas connections between air cooling unit and GI ducti ng.

Sl. No Description Specification

1 Type Flexible Canvas Connection

2 Application Unit to Duct Connection

3 Quantity 01 No.

Canvas connections shall minimize vibration and noise transmission.

13. DUCT COLOURING

All exposed GI ducts shall be properly cleaned and coated/painted with approved colour finish for corrosion protection and aesthetic appearance.

Sl. No Description Specification

1 Application GI Duct Colouring

2 Area Approx. 768 Sq.ft

3 Scope Surface Preparation & Painting

Note:

The colouring area mentioned above is indicative only and may vary depending upon actual installed duct area.

14. VFD SPEED CONTROLLER

Supply and installation of Variable Frequency Drive (VFD) suitable for speed control of evaporative air cooling unit.

Sl. No Description Specification

1 Type Variable Frequency Drive

2 Application Air Cooler Speed Control

3 Protection Overload, Short Circuit & Phase Protection

4 Quantity 01 No.

The VFD shall be compatible with supplied motor rating and operating conditions.

15. VENDOR SCOPE

The vendor scope shall include, but not be limited to, the following:

• Complete design and execution of air cooling system

• Supply and installation of evaporative cooling unit

• GI duct fabrication and erection

• Thermal insulation works

• Air distribution grills

• Collar dampers

• Electrical works and protection systems

• Digital starter installation and commissioning

• MS structural fabrication works

• Civil and masonry works

• Wall cutting and restoration works

• False ceiling cutting/restoration

• Scaffolding works

• Carpentry works if required

• Exhaust arrangement requirements

• Duct supports and hanging systems

• Duct colouring and finishing works

• Vibration isolation arrangements

• Testing and commissioning of complete system

• Supply of all accessories, consumables and hardware required for satisfactory completion of work

Any item not specifically mentioned but required for proper functioning of the system shall be deemed included in vendor scope without additional cost.

16. DEPARTMENT SCOPE

The following shall be provided by IGMH:

• Electrical power supply near installation location

• Water supply connection near installation location

17. GENERAL TECHNICAL REQUIREMENTS

1. All supplied materials shall be new, genuine and unused.

2. All components shall be of reputed make and industrial quality.

3. Installation shall comply with standard engineering and safety practices.

4. GI duct joints shall be properly sealed and leak proof.

5. Proper airflow balancing shall be ensured during commissioning.

6. The complete system shall be tested after installation for satisfactory performance.

7. The vendor shall inspect the site prior to execution and verify all operational requirements.

8. Necessary safety measures shall be followed during execution of work.

VI.LOCATION: PURCHASE DEPARTMENT

1. PROJECT DETAILS

Name of Work

Supply, Installation, Testing and Commissioning of Evaporative Ducted Air Cooling System for Purchase Department.

2. IMPORTANT NOTE

The airflow capacities (CFM/CMH), ducting quantities, insulation quantities, colouring quanti ties, grill quantities and all dimensions mentioned in this specification are indicative only a nd may vary depending upon actual site conditions, heat load calculations, routing feasibili ty, airflow balancing requirements and final approved execution drawings.

The vendor shall inspect the site before execution and verify all dimensions, installation fea sibility, airflow requirements and routing conditions. Final design, duct sizing and quantities shall be finalized after detailed site survey and engineering assessment.

3. SCOPE OF WORK

The scope of work includes complete design, supply, fabrication, installation, testing and co mmissioning of evaporative ducted air cooling system including:

• Evaporative Air Cooling Unit

• GI Ducting System

• Thermal Insulation

• Air Distribution Grills

• VFD Speed Controller

• Electrical Works

• MS Structural Supports

• Canvas Connections

• Duct Colouring

• Civil & Masonry Works

• Exhaust Arrangements

• Allied Accessories and Consumables

The work shall be executed on turnkey basis and shall be complete in all respects for satisf actory and efficient operation of the system.

4. TECHNICAL SPECIFICATION OF AIR COOLING UNIT

Sl. No Description Specification

1. Type Universal Evaporative Ducted Air Cooling System

2. Make Symphony or Equivalent Premium Brand

3. Model Venti-Cool 20 U Top/Bottom Air Discharge Model or Equivalent Top/Bottom Air Di scharge Model

4. Air Flow Capacity 11,835 CFM (20,000 CMH) – Indicative

5. Air Discharge Top/Bottom Air Discharge

6. Motor Rating 1.1 kW Maximum

7. Electrical Supply Single Phase

8. Speed Single Speed

9. Body Material Weather resistant UV Stabilised Structural Polymer Body

10. Cooling Pad 4 Side Cooling Pad

11. Minimum Pad Thickness 100 mm

12. Discharge Should have provision of Top & Bottom Discharge

13. Corrosion Protection Rust Free Construction

14. Cooling Media High Efficiency Celdek Cellulose Cooling Pads

15. Features Water Circulating Pump

16. Quantity 01 No.

5. GI DUCTING WORKS

Supply, fabrication and erection of GI ducting complete with flanges, cleats, supports, faste ners and accessories.

5.1 GI Rectangular/Square Ducting – 24 Gauge

Sl. No Description Specification

1 Duct Type Rectangular/Square GI Duct

2 Material Thickness 24 Gauge / 0.6 mm

3 Scope Supply, Fabrication & Erection

4 Area Approx. 32 Sq.ft

5 Accessories Flanges, Cleats, Supports & Fasteners

Note:

The ducting quantity mentioned above is indicative only and may vary depending upon act ual site conditions and final approved routing._____

5.2 GI Oval Ducting – 22 Gauge

Sl. No Description Specification

1 Duct Type Oval GI Duct

2 Material Thickness 22 Gauge / 0.8 mm

3 Scope Supply, Fabrication & Erection

4 Area Approx. 480 Sq.ft

5 Accessories Flanges, Cleats, Supports & Fasteners

Note:

The ducting area mentioned above is indicative only and may vary depending upon actual site conditions, execution feasibility and approved layout.

6. AIR DISTRIBUTION GRILLS

Supply and installation of aluminium powder coated double deflector grills suitable for cond itioned air distribution.

Sl. No Description Specification

1 Type Double Deflector Grill

2 Material Aluminium

3 Finish Powder Coated

4 Quantity/Area Approx. 10 Sq.ft

5 Scope Supply & Installation Complete

Note:

Final grill quantity and dimensions shall be finalized during execution based on airflow bala ncing requirements.

7. THERMAL INSULATION

Providing and fixing thermal insulation over GI ducting complete with adhesive, sealing and finishing.

Sl. No Description Specification

1 Insulation Type 09 mm Nitrile Rubber / Equivalent Approved Insulation

2 Application External Surface of GI Ducting

3 Area Approx. 512 Sq.ft

4 Scope Supply & Installation Complete

Note:

The insulation quantity indicated above is approximate and may vary depending upon actu al installed duct area and site conditions.

8. VFD SPEED CONTROLLER

Supply and installation of Variable Frequency Drive (VFD) suitable for speed control of eva porative air cooling unit.

Sl. No Description Specification

1 Type Variable Frequency Drive

2 Application Air Cooler Speed Control

3 Protection Overload, Short Circuit & Phase Protection

4 Quantity 01 No.

The VFD shall be compatible with supplied motor rating and operating conditions.

9. MS FABRICATED STAND

Supply, fabrication and installation of heavy-duty MS fabricated stand complete with servic e/maintenance access arrangement for mounting of air cooling unit.

Sl. No Description Specification

1 Material Mild Steel

2 Finish Anti-Corrosive Primer & Double coat of Paint

3 Scope Fabrication, Welding & Installation

4 Quantity 01 No.

The stand shall be designed to withstand operational load and vibration of the equipment.

10. ELECTRICAL WORKS

Supply and installation of electrical connection from air cooler to operating point complete with required protection devices.

Sl. No Description Specification

1 Supply Type Single/Three Phase as Required

2 Protection Required MCBs / Isolators

3 Cabling Suitable Copper Cable

4 Scope Wiring, Termination & Commissioning

5 Quantity 01 Set

All electrical works shall comply with standard electrical safety practices.

11. CANVAS CONNECTIONS

Supply and installation of flexible canvas connections between air cooling unit and GI ducti ng.

Sl. No Description Specification

1 Type Flexible Canvas Connection

2 Application Unit to Duct Connection

3 Quantity 01 No.

Canvas connections shall minimize vibration and noise transmission.

12. DUCT COLOURING

All exposed GI ducts shall be properly cleaned and coated/painted with approved colour fini sh for corrosion protection and aesthetic appearance.

Sl. No Description Specification

1 Application GI Duct Colouring

2 Area Approx. 544 Sq.ft

3 Scope Surface Preparation & Painting

Note:

The colouring area mentioned above is indicative only and may vary depending upon actua l installed duct area.

13. VENDOR SCOPE

The vendor scope shall include, but not be limited to, the following:

• Complete design and execution of air cooling system

• Supply and installation of evaporative cooling unit

• GI duct fabrication and erection

• Thermal insulation works

• Air distribution grills

• VFD installation and commissioning

• Electrical works and protection systems

• MS structural fabrication works

• Civil and masonry works

• Wall cutting and restoration works

• False ceiling cutting/restoration

• Scaffolding works

• Carpentry works if required

• Exhaust arrangement requirements

• Duct supports and hanging systems

• Duct colouring and finishing works

• Vibration isolation arrangements

• Testing and commissioning of complete system

• Supply of all accessories, consumables and hardware required for satisfactory completion of work

Any item not specifically mentioned but required for proper functioning of the system shall be deemed included in vendor scope without additional cost.

14. DEPARTMENT SCOPE

The following shall be provided by IGMH:

• Electrical power supply near installation location

• Water supply connection near installation location

15. GENERAL TECHNICAL REQUIREMENTS

1. All supplied materials shall be new, genuine and unused.

2. All components shall be of reputed make and industrial quality.

3. Installation shall comply with standard engineering and safety practices.

4. GI duct joints shall be properly sealed and leak proof.

5. Proper airflow balancing shall be ensured during commissioning.

6. The complete system shall be tested after installation for satisfactory performance.

7. The vendor shall inspect the site prior to execution and verify all operational requirement s.

8. Necessary safety measures shall be followed during execution of work

B. FINAL ACCEPTANCE TEST (FAT):

Upon completion of installation and commissioning at each site, the Firm shall notify IGMH f or conducting the FAT. A trial run of fifteen (15) days shall thereafter be carried out on mut ually agreed dates. Successful completion of the trial run shall be required for final accepta nce. After successful completion of FAT, FAC will be issued.

C. ELIGIBILITY CRITERIA OR QUALIFICATION CRITERIA:

The bidder firm should meet following eligibility criteria to qualify:

(a) For MSE/Start-up firm: Capability - Equipment & Manufacturing Facilities:

The bidder firm should have capability to manufacture and supply of tendered item.

(b) For other firm - Experience and past performance:

The bidder firm may be Manufacturer/Proven supplier/Authorized dealer or distributor of te ndered item or bidder may participate with manufacturing authorization form (issued by m anufacturer of tendered item).

Note: Participating bidder needs to submit all related documents along with the bid.

D. PAYMENT TERM:

100% payment will be made within 30 days after successful issue of Final Acceptance Certi ficate (FAC).

E. PRICE BID SUBMISSION:

The bidder should quote the total amount covering all the Schedules on the GeM portal. Ho wever, the Price Schedule in the prescribed format attached with the bid document must b e duly filled in and uploaded only in the Financial Document Upload field duly signed & seal ed by the Authorized Signatory.

The Price Schedule must not be uploaded in the Techno-Commercial bid. Submission of the

Price Schedule along with the Techno-Commercial bid will led to rejection of the bid/quotation.

F. NON-BLACKLISTING DECLARATION:

Undertaking of Declaration that the bidder is not be blacklisted/ debarred for dealing by Government of India.

G. List of Documents to be submitted:

1. UDYAM/MSME Certificate/ NSIC/Start-Up (or) any other etc.

2.Proof of EMD of Rs.44,000.00/-.

3.Documents towards Experience & past performance

4.Documents towards Capability Equipment & manufacturing Facilities

5.Bidder financial standing as per point No.3 of Buyer Added Bid Specific Terms and Conditions.

6.Undertaking of Declaration that the bidder is not be blacklisted/ debarred for dealing by Government of India as per Point No. F of Buyer Added text based ATC clauses.

7.Acceptance to Technical specifications, Drawings.

8.Acceptance to Acceptance Criteria Mentioned in Bid Document

9.Acceptance to Warranty period & Delivery Schedule as Mentioned in Bid Document

10.Acceptance to Scope of supply includes Training as per Bid Document

11.Make in India Declaration as per relevant clause

12.An undertaking that, Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 7 years residual market life i.e. the offered product shall not be declared end-of life by the OEM before this period.

13. Confirmation of Price Bid Submission as per Point No. E of Buyer Added text based ATC clauses.

14. Stamped and Signed bid document as a token of acceptance of all the Terms and Conditions of the bid.

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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---