

## Event Catalogue

Select Financial Year:

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Select Event No.:

SPMCIL/Currency Note Press Nashik/Technical/28/22-23/ET/224[COOLING TOWERS] ▼

## Event Details

Event No: SPMCIL/Currency Note Press Nashik/Technical/28/22-23/ET/224[COOLING TOWERS]				Event Status
Trade: Goods				Event Published
Description of Event: COOLING TOWERS				Activities
Mode: E-Tender_HTML	Type of Tender: Open	Bid Submission: Eventwise	Public Opening: YES	Published on: 20-09-2022 17:53:09.47 Activated on: -
EMD: 97000.00 (In Rs.) <a href="#">Bank Details</a>		Document Upload: YES		Tender Extended on: -
Estimated Value: 4833445.00		Coverwise Document Upload: YES		Tender Opened on: -
		Reverse Auction: No		Price Opened on: -
				Event Cancelled on: -
Online Pre Bid Meeting	Bidding Period	Tender Opening Period	Price Bid Opening Date	
Not Applicable	20.09.2022 - 06:00 PM To 07.10.2022 - 03:00 PM	07.10.2022 - 03:01 PM To 07.10.2023 - 03:01 PM	-	

## List Of Tender Document

Sl. No.	Document Details	Document Type	Action	Verify Signer Certificate
1	22-23-ET-224[COOLING TOWERS] -168450-TED-1154989- CoolingTowerCorrigendum2.pdf 20/09/2022 17:42:44	DOCUMENT	<a href="#">Download</a>	<a href="#">Verify</a>
2	22-23-ET-224[COOLING TOWERS] -168450-NIT-1154985- 6000017549COOLINGTOWERRE.pdf 20/09/2022 17:28:56	NIT	<a href="#">Download</a>	<a href="#">Verify</a>

## Vendor Document Upload Checklist For Technical COVER

Sl. No.	Document Details
1	All required documents to be submitted with proper seal and signature on each pages as per instructions given on Section IX Qualification or Eligibility Criteria

Sl. No.	Document Details
2	As per instructions duly sealed and signed required documents to be uploaded on MSTC portal as well as Hard copies of such documents to be reached to the Buyer location on or before due date.

Tender Committee Members						
Name	Designation	Office	Department	Email	Mobile No.	Encryption public expi dat
KIRAN KUMAR VUPPALA	Jt. General Manager	Currency Note Press Nashik	Purchase,HR,Technical,Finanace,IT,Marketing,R and D,Others	V.Kirankumar@spmcil.com	9096000418	2024-00:00:
TUSHARKUMAR PRAKASH MAHAJAN	DGM	Currency Note Press Nashik	IT	tushar.mahajan@spmcil.com	8275022966	2024-00:00:
RAJAPPA RAJASEKAR	Assistant Manager-TC	Currency Note Press Nashik	Technical	r.rajasekhar@spmcil.com	9890687389	2024-00:00:

Common Terms		
QUALIFICATION OR ELIGIBILITY CRITERIA		
Sl.No	Terms	Component
1	Experience and past performance: The Bidder firm manufacturer or principal of authorized representative- hereinafter referred simply as The Bidder should have manufactured and supplied at least One 01 number of minimum 600 TR capacity Cooling Towers in any one year of the last five years ending 31.03.2021. At least one number of the supplied minimum 600 TR capacity Cooling Tower should be in successful operation for at least one year on the date of bidding.	Agree Only
2	Capacity and Capability: The bidder must have an annual capacity to manufacture and supply at least one number of minimum 600 TR capacity Cooling Towers.	Agree Only
3	Financial standing: i. Average Annual Turnover of the bidder firm during last three year i.e., 2018-19, 2019-20 and 2020-21 should be more than Rs. 19,33,500/-. ii. Bidder firm should not have suffered any financial loss for more than one year during the last three years i.e. 2018-19, 2019-20 and 2020-21. iii. The net worth of the bidder should: a. Not be negative as per latest audited financials i.e. FY 2020-2021 b. Not have eroded by more than 30% in the last three years 2018-19, 2019-20 and 2020-21.	Agree Only
4	The bidder shall enclose attested copy of GST Registration Certificate (in Reg-06) and PAN card.	Agree Only
5	The bidder should give a declaration that they have not been black-listed/ debarred for dealing by Government of India in the past.	Agree Only
6	The bidder has to submit an undertaking / declaration that they unconditionally accept all terms and conditions of the tender document including all section without any deviations.	Agree Only
7	The bidder shall attach valid Authorization Industrial Distributor/Dealership Certificate obtained from OEM for the current year along with the bid, failing which bid will not be considered.	Agree Only
8	The bidder should submit Power of Attorney of the Authorized Signatory for signing the bid, entering into contract, if awarded and for any other correspondences.	Agree Only
Note	i. In support of above clause 1 the bidders should strictly produce the copies of purchase orders, experience certificates, Job completion certificates of customer as documentary evidence. ii. In support of financial standings the bidder must submit CA / CMA certified financial Balance Sheets and Profit & Loss Account statements for the Financial Year 2018-19, 2019-20 and 2020-21. iii. Bidders should furnish stipulated documents in support of fulfillment of qualifying criteria. Non submission or incomplete submission of documents may lead to rejection of offer.	Agree Only

## Lot No : 1

Lot Name	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
Cooling Tower	Electrical Goods/Equipment	Cooling Tower Induced Draft Counter Flow 600 TR	2.0 Each	INR	-	-

## Lot No: 1 Specific Terms

TECHNICAL SPECIFICATIONS		
Sl.No	Terms	Component
1	Type - Induced Draft, Counter Flow Cooling Tower in FRP Construction	Agree Only
2	Quantity/Number of Cells - As per the make & model of Cooling Tower	Agree Only
3	Design Water flow - 360 m3/hr (for each tower)	Agree Only
4	Inlet (HWT) - 37 degree Celsius	Agree Only
5	Outlet (CWT) - 32 degree Celsius	Agree Only
6	Design Wet Bulb Temperature - 28 degree Celsius	Agree Only
7	Cooling Capacity - 18,00,000 Kcal/ Hr (600TR)	Agree Only
8	Type of Motor - TEFC (Totally Enclosed Fan Cooled) Induction Motor	Agree Only
9	Type of Fan - Axial Flow Gear Drive/Direct Drive	Agree Only
10	Make: 10.1 Cooling Towers - Himgiri/Paharpur/Advance/Mihir/Bell or Equivalent 10.2 Butterfly Valves - L&T/Audco/Honeywell or Equivalent 10.3 MS Pipe 'C' Class - Tata/Jindal or Equivalent 10.4 Motor for Cooling Tower - Siemens/ABB/Bharat Bijlee or Equivalent 10.5 Electrical Cables/Wire - Polycab/Finolex or Equivalent 10.6 Paint - Asian Paints/Berger Paints/Nerolac/Dulex or Equivalent	Agree Only
11	Material of Construction: 11.1 Casing - FRP or suitable 11.2 Fills - PVC Honeycomb 11.3 Drift Eliminator - PVC 11.4 Nozzles - PP/ABS Non Clogging type 11.5 Water Distribution Headers - PP with FRP moulded, non-corrosive type or suitable as per design 11.6 Fan Blade - Non Corrosive type metal or FRP 11.7 Nut bolts and other fasteners - Galvanized MS/non-corrosive type	Agree Only

## Price Parameters/ Formula

Variable Name	Name of Parameters	Sub Total Example: a+b	Type of Component	Places of decimal	Lumpsum
a	Basic or Unit Price	-	Numeric Text Only	2	No
b	Packing and Forwarding Charges	-	Numeric Text Only	2	No
c	Freight Insurance Charges (If any)	-	Numeric Text Only	2	No
d	GST Charges (On All Above Parameters)	-	Numeric Text Only	2	No

## Price formula

a+b+c+d (Up to 2 Decimal Place)

## Lot No : 2

Lot Name	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
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Lot Name	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price
ITC of Cooling Tower	Electrical Goods/Equipment	Installation, Testing and Commissioning of Cooling Towers	2.0 Job	INR	-	-

**Lot No: 2 Specific Terms**

SCOPE OF WORK		
Sl.No	Terms	Component
12	<p>12.1. The firms representative may visit the CNP for site inspection to understand the scope of work before quoting. 12.2. The firm will have to carry out the entire job on turnkey basis. 12.3. All types of material handling activities like shifting of scrap material to scrap yard, unloading shifting of new cooling tower its accessories to the installation site etc. are in the scope of the firm. 12.4. All the types of tools and tackles like forklift, Chain pulley blocks, gas cutting arc cutting equipments, ladders etc. will have to be arranged by the firm for the dismantling, shifting, unloading installation work etc. 12.5. The firm will have to dismantle the existing cooling towers 02 nos and shift all the scrap material to the scrap yard of CNP. 12.6. Supply, Installation, Testing Commissioning of Induced Draft counter flow cooling tower of 600TR capacity each with FRP body and base, water spray headers, cooling tower fills, statically dynamically balanced axial flow Gear DriveDirect Drive fan with TEFC Induction Motor with Variable Frequency Drive VFD, supporting base frame, inlet valve with float assembly, overflow with drain connection with valve. 12.7. The cooling tower shall be provided with cooling tower fan assembly complete with weather proof motor, drive shaft, lubrication system, gearbox as applicable, couplings, couplings guards weather proof canopy hood. The fan and rotating parts shall be protected by guard. 12.8. Strainer at water outlet shall be provided for the cooling tower. 12.9. The firm shall provide the ball float valve matching with make-up water line size. 12.10. Supply and installation of MS Class C Pipe Butterfly Valves of suitable size for condenser water inlet, outlet equalizer and drain valves butterfly valve of suitable size with necessary support with vibration isolating arrangements and painting of pipe as per the colour code. 12.11. Supply and Installation of Electrical Cable with GI Cable Tray of suitable sizes from Cooling Tower Motor to the Main Panel. 12.12. Supply, Fabrication and Installation of Cooling Tower base frame of MS Structural Steel of suitable sizes for the installation of above cooling towers 02 nos. If required, existing RCC columns can be utilized for frame work by the firm.12.13. The cooling tower structure shall be designed to withstand the wind load weight of cooling towers. 12.14. Firm shall connect the new cooling towers with existing cooling towers in operation through piping work with the common condenser water header. The level of the cooling towers should be maintained in such a way that no other cooling tower shall overflow through equalizer pipes. 12.15. Access ladder shall be provided for the cooling tower and also arrangements to be made to shift the motor from cooling tower to the ground area. 12.16. Necessary shutdown of centralized AC Plant, if required, shall be given to the firm on Sundays or holidays for piping related connections. 12.17. The firm under this contract commits himself to use the first class material and assume responsibility for the quality of all the materials incorporated or brought for incorporation in the work. 12.18. In case of any defective equipment or material or workmanship, the firm shall rectify or modify or replace the defective item free of cost. Any delay on the part of firm in doing so gives the CNP the right to get the defect rectifies through other agency cost for the same shall be borne by the firm. 12.19. After successful installation testing of cooling towers, the firm will have to provide 15 days operational or performance trial of cooling towers and submit its report to the CNP. 12.20. The firm should provide minimum 01 year warranty for the Cooling Tower from the date of acceptance of Cooling Towers by CNP. 12.21. The firm should submit three sets of copies of design, drawings, data sheets, calculations, test report or certificate, operation maintenance manuals including as built drawing Bill of material etc. to the CNP. 12.22. The firm should furnish the list of spares required for operation maintenance of cooling towers with item wise price. These prices are not to be included in the base price but to be furnished separately. 12.23. The firm should provide one set of special tools tackles required for maintenance of equipments and accessories of the cooling towers. 12.24. Firm will have to submit valid PVR Police Verification Report certificates of their engineer or supervisor or workmen for entry in CNP for the work. 12.25. The principal firm to whom the job work has been assigned will ensure and monitor the following i. Firm shall follow all safety security norms in CNP. A Safety Code will be handed over to the firm. If any damage occurs to the property of CNP due to any accident during the execution of work, the same to be compensated by the supplier. Any damage to the manpower employed by the supplier due to any accident is the entire responsibility of the supplier. ii. The firm has to nominate one of the competent supervisors, who in addition to his duty will also be responsible to look after the safety of employees working under them and safety of nearby other plant equipments. The name, address and mobile number should be informed to the safety department CNP before commencement of the work. iii. The contractor will provide personal protective equipments to his employees to ensure their safety. iv. All the machines brought by contractor for their job work should be properly guarded maintained in proper condition for their safe working. v. For working at height, welding work, gas cutting work, excavation work, working on fragile roof, working on electrical lines or work of similar nature, the firm and their contractor will inform the Safety Fire department of CNP in advance and in each case work permit will be obtained by the firm from the Safety Fire department. vi. In case of any accident, the firm representative will arrange to inform it to the safety department of CNP immediately. The agency will also arrange to inform the Inspector of Factories Nashik.</p>	Agree Only

**Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total Example: a+b	Type of Component	Places of decimal	Lumpsum
a	Basic Price of Installation Testing and Commissioning of Cooling Towers	-	Numeric Text Only	2	No
b	GST Charges on above Parameter (a)	-	Numeric Text Only	2	No

Variable Name	Name of Parameters	Sub Total Example: a+b	Type of Component	Places of decimal	Lumpsum
<b>Price formula</b> a+b (Up to 2 Decimal Place)					