



PUDUCHERRY POWER CORPORATION LIMITED
(A GOVERNMENT OF PUDUCHERRY UNDERTAKING)

T.R. PATTINAM - 609606, KARAIKAL.

Phone No: 04368- 233060, 233988

E-Mail: ppclmmc@gmail.com

Fax: 04368 - 233355.

Ref. No: W-133/MMC/2023-24/ 792

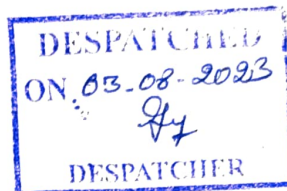
Dt. 03.08.2023

Our GSTIN No.: 34AAACP6507E1Z



To
(As per list enclosed)

ENQUIRY



Sub: : Inviting offer for Supply of Cooling Tower Fan Blade with Hub - Reg.

QUOTATION TO BE:

Submitted on or before: 23.08.2023- 12.00 Noon	Opened on: 24.08.2023 - 3.00 PM
Kept valid for 3 months from the date of opening	Submitted in Two parts.

Sealed quotations are invited for the supply of Cooling Tower Fan Blade with Hub - 1 set as per the specification detailed in the annexure and as per the drawing enclosed.

PRE-QUALIFICATION REQUIREMENTS:

THE BIDDER SHOULD HAVE PREVIOUS EXPERIENCE IN SUPPLY OF COOLING TOWER FAN BLADE TO ANY GOVERNMENT ORGANISATION / REPUTED PRIVATE ORGANISATION WITH IN LAST SEVEN YEARS. THE SUPPORTING DOCUMENTS SHOULD BE ENCLOSED WITH THE OFFER.

Cover 1: EMD/PQR after verification Cover 2: Price bid.

Terms & Conditions:

1. The rate quoted should be firm and inclusive of all taxes and other charges as admissible.
2. The material should be original and specified make only.
3. The materials should be directly supplied to the PPCL site, T.R.Pattinam, Karaikal - 609 606, on door delivery basis.
4. 100% payment will be made within 30 days from the date of receipt of your invoice after receipt of materials at site in good condition. **The bill in triplicate along with advance stamped receipt should be sent to the undersigned for effecting payment.**
5. **EARNEST MONEY DEPOSIT:** An Earnest Money Deposit of Rs.8,000/- should be paid by demand draft drawn in favour of the Superintending Engineer, Puducherry Power Corporation Ltd T.R. Pattinam, Karaikal on any Nationalized/Schedule bank payable at Karaikal. The same should be enclosed along with tender/quotation failing which tender will be summarily rejected. The earnest money deposit will bear no interest and will be released after successful completion of the supply and acceptance. The EMD will be returned to unsuccessful bidder on receipt of a letter requesting for the same after placement of order to the successful bidder.



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6. PSU & Parties registered with NSIC/SSI/MSME are exempted for submitting EMD/SD. However copies of supporting Documents/Certificates should be kept in separate cover super scribing "Earnest Money Deposit Exemption".

7. The party shall be required to place the earnest money and the tender in separate sealed envelopes marked "Earnest Money and PQR" & "Tender" respectively. Both the envelopes shall then be placed in another sealed envelope and submitted to the tender inviting authority in the usual manner. The officer opening the tenders shall first open the envelope containing the earnest money and PQR. If the earnest money and PQR is found to be in order, only then the Officer shall proceed further with opening the tender. In case the earnest money is not deposited or is not in order, the tender will be rejected.

8. **Warranty Certificate:** The Manufacturer shall warrant the Cooling Tower Fan Blade with Hub against deficiency in performance and failure due to defects in materials and workmanship for a period of at least 18 months (Eighteen months) following shipment to the site or 12 months after the date of startup, whichever is earlier.

9. The delivery period and mode of despatch should be clearly specified.

10. **Liquidity Damage Clause:** If the supplier fails to supply the materials within the delivery period, then supplier shall pay LD @ 0.5% for each week delay in supply and the total LD % will be subject to the maximum of 5% of the quoted rate.

11. The party at their own cost should arrange transit insurance, if necessary.

12. Quotations should be super scribed as "QUOTATION/ENQUIRY NO. W-133 Supply of Cooling Tower Fan Blade with Hub" due on **23.08.2023 12.00PM.**

13. Applicable taxes, freight and other charges should be clearly mentioned as whether inclusive or extra. If not mentioned, it will be presumed that the rate quoted is inclusive of all taxes and other charges.

14. Our **GSTIN No.: 34AAACP6507E1ZS** is registered with Commercial Taxes Department, Puducherry.

15. The undersigned reserves all rights to accept/reject any or all the quotations without assigning any reasons therefore.


EXECUTIVE ENGINEER (MECH) PLANT



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ENQUIRY PAGE No.3

Specification Of Cooling Tower Fan Blade	
Fan Diameter	7.315 mtrs
Fan Revolving Speed	150 rpm
Air Density	1.2 Kg/Cu.Meter
STATIC PRESSURE app	59.26 pa
VELOCITY PRESSURE app	38.32 pa
TIP SPEED	57.58 M/SEC
TIP CLEARANCE	30.53 MM
THRUST LOAD app	4007.05 N
CENTRIFUGAL FORCE	942.77 N
BLADE PASS FREQUENCY	15Hz
LIFT FORCE	2294.93 N
DRAG FORCE	163.92 N
GD ²	506.62 KG/SQ CM
NOISE	89.35 d BA
STATIC EFFICIENCY	52.34%
TOTAL EFFICIENCY	88.19%
FAN DIMENSIONS	
FAN DIAMETER	7315 MM + - 5
HUB DIAMETER	1050 MM
BLADE SET	6 Nos.
SOLIDITY RATIO	0.095
STALL POINT	23 degree
AIR FOIL	Aerodynamic Aero Foil
FAN BLADE & HUB M.O.C.	
BLADE	FRP composite
PROTECTION	On leading edge
HUB PLATE	SS - 316
CLAMPS	FRP
HUB SPOOL	C.I. GR- 20
COVER PLATE	SS - 316
HARDWARE	SS - 316
TAPPER BUSH	SS - 316



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Balancing:

1. **Blade:** All blades are individually momentum balanced (all blades are equal momentum & Actual weight per set). Hence ensure interchangeability.
2. **Hub:** Dynamically balanced as IS 1940 Gr.6.3
3. Reports for Blade and hub balancing should be submitted along with supply.

Cooling Tower Fan:

7315 mm dia. Energy efficiency FRP axial flow fan assembly with double plate hub (6-blade set)

Note:

- 1) Specification should be maintained as mentioned in the above table and drawing.
- 2) The following tests should be conducted in the presence of PPCL Engineers at PPCL site after commissioning (free of cost)
 - a) Air Volume
 - b) Static Pressure.
- 3) Blade profile mould pattern to be supplied for fan angle adjustment.


03/08/2023

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ANNEXURE

Sl.No	Description	Req. Qty.	Unit Rate	Total cost in Rs.
1.	COOLING TOWER FAN BLADES WITH HUB (Specification and scope of work enclosed in annexure and as per the Drawing)	01 Set		
Sub-Total				
Packing and Forwarding charges in % only				
Freight Charges in % only				
Add: GST@18%				
Total				
(Rupees)

Delivery Period:

Payment Terms: 30 days after receipt of material

Validity: 90 Days from the date of opening the tender.

Note : 1) The rates to be quoted in all the columns of the above schedule and no columns should be left blank.

2) The quoted schedule should be affixed by the company seal and signed by the concerned authority.

Name of the Company:

Company seal with signature:

