

**NTPC LTD CPG-1/Raipur
VENDOR DEVELOPMENT CELL**

Subject: Qualifying Requirement (QR) for Vendor Enlistment for supply of “Hydro ejector & its spares for Various NTPC Stations Under 56 MEG-13

<u>NTPC LTD</u> VENDOR ENLISTMENT FOR O&M WORKS PACKAGE ON PAN NTPC BASIS		
1	MEG No.	56 MEG-13
2	Brief description of CEG	Vendor Enlistment for supply of “Hydro ejector & its spares” (CAT-1)
3	Responsibility Centre	VEC
4	TECHNICAL Qualifying Requirement	The applicant should be a manufacturer of ‘Water/Liquid’ type Jet Ejector/Feeder Ejector/Jet Pump and should have supplied the same in thermal power plant during the preceding 5 years from the last date of submission of application for enlistment.
5	Documents to be submitted as proof of meeting the stipulated Qualifying Requirements	<ol style="list-style-type: none"> 1. ‘Latest Annual Report/Udyam Registration//NSIC / SSI / MSME registration certificate / BIS license / ISO certificate / any other statutory document’ along with valid Factory License from Directorate of Factories- will be considered as a proof of manufacturer as per QR. 2. PO copies for Supply Orders and Invoice(s) / Completion certificate from the concerned buyer/s in support of successful execution of the supply.
6	Other Documents to be submitted: In addition to the documents required in support of Qualifying Requirements	<ol style="list-style-type: none"> 1 . Three POs of the highest executed values of supplies during previous five years from the last date of submission of application. Copy of Invoice(s) / Completion certificate from the concerned buyer/s in support of successful execution of supply against the POs to be submitted. 2. Audited balance sheet including Profit & Loss statement for the previous three completed financial years reckoned from the last date of submission of application. In case the audited result for the preceding financial year is not available, certification of financial statements from a practicing-chartered accountant is to be uploaded. In case, applicant is not able to submit the certificate from practicing chartered accountant certifying its financial parameters, the audited results of the three consecutive financial years preceding the last financial years shall be considered for evaluating the financial parameters. Further, a certificate would be required from the

		<p>CEO/CFO stating that the financial results are under audit as on the last date of submission of application and certificate from the practicing chartered certifying the financial parameters are not available</p> <p>3. 'All other terms & conditions of enlistment are as per the STC available at VDC portal https://vdc.ntpc.co.in'</p>
8	Note-1	<p>Supplies means: Supply of 'Water/Liquid' type 'Jet Ejector/Feeder Ejector/Jet Pump' and/or its spares during preceding 5 years from the last date of submission of application for enlistment.</p> <p>Maximum Three Credential Order(s) shall be considered for calculation of the Execution Capability (EC) as defined in STC.</p>
9	Note-2	<p>The executed value means Basic value of quantity of supplies executed/supplied against the reference PO (also applicable to partly executed POs as on date of application). Where PO value is composite (i.e., including Taxes etc.), the applicant to give item-wise break-up of Composite PO value mentioning Basic Value, Taxes etc.</p> <p>The work "executed" means the applicant should have achieved the criterion specified in the QR, even if the total contract is not completed/closed. In case of contracts under execution as on the last date of submission of application for enlistment, the value of work executed till date will be considered provided the same is certified by the employer.</p>
10	Note-3	<p>Attached Technical specifications & Quality Plan are indicative only, may be changed subject to the requirement.</p>

Technical Specifications for “56MEG-13 - Vendor Enlistment for supply of “Hydro ejector & its spares” (CAT-1)


(a) Hydroejector - It covers following make/models:

- a. Tecpro – 45TPH, 80TPH & 85TPH
- b. INDURE – 8"X8", 8"X10"
- c. DCIPS – Jet Pulsion 90TPH, 62 TPH & 78TPH
- d. Melco - 8"X8"
- e. MBECL – 45TPH, 71TPH & 373m3/hr

(b) Hydroejector spares includes – body (inlet piece), nozzle holder, diffuser, clamp, nozzle casing/adapter, nozzle tip, nozzle body, throat/tail piece, aligning ring, flange clamp half, nozzle insert, intermediate wear piece, throat increaser, ring flange, coupling assy, combination tube, ceramic sleeve of nozzle tip and associated fixtures and other similar components.

Complete specifications shall be as per the drawings & data sheet enclosed in the tender by the Individual Sites or the drawings must be developed by the vendor along with material specification from samples/ equipment at site.

STANDARD QUALITY PLAN

	Item :- Hydraulic Ejector / Jet Pump	SQP NO:	CPG-QA-SQP-M-163	P. 1/ 1	Prepared	Reviewed	Approved
		Rev. 01	Date	16.10.2024	Digitally signed by GANPATI JHA DN: cn=GANPATI JHA, o=N s=CHHATTISGARH, c=INTPC LIMITED, ou=EMPLOYEE, serialNumber=d3155b18c13e4d4290533781 114c801cc036c254a96f50e10177c50ca7	Digitally signed by ANIMESH KUMAR THAKUR Date: 2024.10.17 10:23:37 + 05'30'	Digitally signed by SUNIL MALANI SUNIL MALANI

SL. NO.	COMPONENT/ OPERATION	CHARACTERISTICS	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORM	FORMAT OF RECORD	D	AGENCY		REMARKS			
			M	N					M	N				
1	Raw Material													
1.1	Nozzle Casing	Chemical Analysis& Physical properties	1/ Heat		Tender/PO Specs/NTPC approved DRG/DS	TC/IR	P	V						
1.2	Diffuser, Inlet Piece, Pump Body	Surface condition	100%	100%					TC/IR	P	V			
		Chemical Analysis, Hardness	1/Heat	1/Heat					TC/IR		V			
1.3	Nozzle Holder	Physical properties & Hardness	1/Heat	1/Heat					TC/IR	P	V			
1.4	Nozzle Tip	Material compliance, Hardness	100%	100%					TC/IR	P	V			
1.5	Gasket	Shore Hardness	1/lot	1/lot					TC/IR	P	V			
2	In Process Inspection													
2.1	Machining/ Grinding	Visual, Dimension	100%	100%	Tender/PO Specs/NTPC approved DRG/ DS	TC/IR	P							
3	Final Inspection													
3.1	Assembly & Spares	Completeness, Overall Dimensions, Hardness of accessible parts /spares	100%	10%	Tender/PO Specs/NTPC approved DRG/DS	TC/IR	Y	P	W					
3.2	Pressure Test of the complete assembly	Leakage Test	100%	10%	Tender/PO Specs/ NTPC appd DRG/DS	No leakage or seepage	TC/IR	Y	P	W				
3.3	Paint	Colour shade & DFT	100%		Tender/PO Specs/NTPC approved DRG/DS	TC/IR	Y	P						

Notes :-

- 1: Y mark in Column 'D' means such document shall be furnished by the manufacturer / supplier.
- 2: Calibrated equipments required for performing tests in presence of NTPC or authorized representative, shall be arranged by supplier without any extra cost.
- 3: Witness by NTPC/Authorised representative (wherever applicable) shall be on randomly chosen sample/s. For balance, NTPC shall review TCs/IRs.
- 4: Reference and acceptance norms shall be derived from following in the same sequence:
 - a.) NTPC approved Drawing & Data Sheet ; b.) NTPC tech specs ; c.) Purchase order; d.) Relevant national Standard; e.) Relevant International Standard;
 - f.) Manufacturer's standard ; g.) Good Engineering Practice

Abbreviations :-

M	Manufacturer	P	Perform	IR	Inspection Record / Report
N	NTPC Ltd or authorized representative	W	Witness	TC	Test Certificate
DRG	Drawing	V	Review of records	DS	Data Sheet