

Qualifying Requirement for Vendor Enlistment for supply of “Valve and Valve Spares for dry ash handling system (CAT-1)

A	MEG Details		
		MEG No.	18MEG-04A
		MEG DESCRIPTION	Valves and valve spares used in dry ash handling system
		RESPONSIBILITY CENTRE	CPG-1/ VDC
B	<p>TECHNICAL CRITERIA OF QR:</p> <ol style="list-style-type: none"> 1. The applicant should be a manufacturer of ‘valves or valve spares. 2. The applicant should have supplied dry ash handling ‘valves or valve spares’ during previous five years from the date of application. 3. The applicant should have in house pneumatic & hydraulic test facilities. 		
C	<p>Documents to be submitted as proof of meeting the stipulated Qualifying Requirements as stated at B) above</p> <p>QR-1: Latest annual report OR NSIC / SSI / MSME registration certificate / BIS license / ISO certificate / Certificate of registration from the concerned excise department / any other statutory document as a proof of being manufacturer of the required material.</p> <p>QR-2: LOA / Purchase Order and execution proofs of same LOA / PO in support of supply of dry ash handling ‘valves or valve spares’</p> <p>QR-3: Ownership proof of testing facilities/Calibration certificate/other supporting documents as applicable.</p> <p>NTPC can ask more documents if felt necessary.</p>		
D	<p>Other Documents to be uploaded: In addition to the documents required in support of Qualifying Requirements as stated at C) above, following documents are also required to be uploaded by the applicants applying for enlistment: -</p>		

		<p>1. Three POs of the highest executed values of similar works during previous five years from the date of application. Copy of Invoice / Completion certificate from the concerned buyer/s in support of successful execution of supply against the POs to be submitted.</p> <p>2. Audited balance sheet including Profit & Loss statement for the previous three completed financial years reckoned from the date 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 CEO/CFO stating that the financial results are under audit as on date of application and certificate from the practicing chartered certifying the financial parameters are not available</p> <p>3. Any other documents in addition to the above which the applicant wants to submit.</p> <p>NTPC can ask more documents if felt necessary.</p>
E	Note-1	Similar works means: Supply of dry ash handling ‘ valves or valve spares.
	Note-2	The executed value means Basic value of quantity of similar works 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.
F	QUALITY PLAN (IF APPLICABLE)	ATTACHED
G	Category of Enlistment	CATEGORY-1
H	TECHNICAL SPECIFICATIONS	ATTACHED

Technical Specifications of Dry Ash Handling Valves & Spares:

- 1) Sliding Gate Material Handling Valve
- 2) Ash Intake Valve below ESP hopper (Swing check type MHV)
- 3) ALV Rotary Segregating valve
- 4) Transporter Inlet/Outlet valve
- 5) Transporter Inlet Cup Valve
- 6) Segregating Slide Gate Valve
- 7) Rotary Slide Gate Branch Isolating Valve
- 8) Double Disk Valve
- 9) Three way Equalizing valve
- 10) Any other dry ash handling valve apart from above

Technical specifications will be as per plant specifications and drawings.

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INDICATIVE MANUFACTURING QUALITY PLAN

Name & Address of Manufacturer :		Item: Valve for dry ash handling					QP No	Project :							
							Rev No.	Package :							
							Date	Contract No :							
							Sub-system:	Page	1 of 2		Main-Supplier :				
S.No	Component & Operation	Characterstics	Classifi cation	Type of Check	Quantum of Check		Reference Document	Acceptence Norm	Record			Agency			Remark
					M	C/N			Format	D	M	C	N		
1.0	Raw Materials														
1.1	Body, Bonnet, Disc, Seat, Disc Spring	Chemical & Mechanical	Major	Chemical & Mechanical Tests	1 sample / heat	---	PO. Spec/ Apvd Datasheet/ Apvd Drg	PO. Spec/ Apvd Datasheet/ Apvd Drg	TC	Y	P		V		
		Surface Defects	Major	Visual	100%	---	- Do -	- Do -	IR	Y	P		V		
		Hardness of Disc and Seat	Major	Measurement	100%	---	- Do -	- Do -	TC	Y	P		V		
1.7	Pneumatic Cylinder (as applicable)	Operational Test	Major	Movement, Cushion	100%	---	- Do -	- Do -	TC	Y	P		V		
		Stroke	Major	Measurement	100%	---	- Do -	- Do -	IR	Y	P		V		
		Leakage test	Major	Test	100%	---	Mfr's Std	Mfr's Std	TC	Y	P		V		
2.0	In Process Inspection														
2.1	Machining of Components	Dimension, DPT & Leakage test on body	Major	Measurement & Visual	Mfrr's Std	---	PO/ Tech. Spec/ DS/ Drg. ASTM E 165	No relevant indication No leakage / Pressure drop			P				
3.0	Final Inspection														
3.1		Completeness, dimensions	Critical	Visual	100%	10 %	PO. Spec/ Apvd Datasheet/ Apvd Drg	PO. Spec/ Apvd Datasheet/ Apvd Drg	IR	Y	P		W		
3.2		Hardness test	Critical	Measurement	100%	10 %	- Do -	- Do -	IR	Y	P		W		
Remarks :		on accessible parts													
D-Documents, Records identified with 'Y' mark shall be included by supplier in QA Documentation. M-Manufacturer / Sub-supplier, C-Supplier, N-NTPC, P-Perform, V-Verify, W-Witness															
		Manufacturer/ Sub-supplier		Main Supplier		CHP - Customer Hold Point, CHPs are to be witnessed and cleared by NTPC authorised representative, IR - Inspection report, TC-Test Certificate					For NTPC Use				
		Signature & Seal													

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INDICATIVE MANUFACTURING QUALITY PLAN

Name & Address of Manufacturer :		Item: Valve for dry ash handling & spares					QP No		Project :						
							Rev No.		Package :						
							Date		Contract No :						
							Sub-system:					Page 2 of 2	Main-Supplier :		
S.No	Component & Operation	Characteristics	Classification	Type of Check	Quantum of Check		Reference Document	Acceptance Norm	Record			Agency			Remark
					M	C/N			Format	D	M	C	N		
3.4		Grade Verification of SS components with PMI	Critical	Chemical Analysis	100%	Random	- Do -	- Do -	IR	Y	P		W		
3.5		Operation Test (5 Cycles)	Critical	Free Operation	100%	10 %	- Do -	- Do -	IR	Y	P		W		
3.6		Leakage test	Critical	Pneumatic/Hydro test	100%	10 %	- Do -	- Do -	IR	Y	P		W		
4.0	Preservation & Packing	Painting & Packing	Major	Visual	100%	---	- Do -	- Do -	IR	-	P				
Remarks :															
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Signature & Seal															

- A) Reference and Acceptance norms shall be derived from following in the same sequence-
 1) NTPC Approved drawing / data sheet ; 2) NTPC tech specs ; 3) Purchase Order ; 4) Relevant national standard 5) Relevant International standard ; 6) Manufacturer's standard 7) Good Engineering practices
 B) PMI to be carried out on accessible alloy steel component, PMI to be arranged by Manufacturer.
 C) In case of electrical actuator, test report for IR,HV and functional checks shall also be furnished for NTPC's review
 D) Randomness in sampling shall be ensured during witness
 E) For procurement of spares , NTPC shall witness visual for surface defects-dimensions check-grade verification by XRF analyser for alloy steel parts-hardness check(as applicable)-casing leakage test, on 5 % of the offered lot