


NTPC LTD
Vendor Development Cell (VDC), CPG-1 Raipur

A	MEG Details		
	1.0	MEG No.	56MEG-12
	2.0	MEG Description	supply of "Bottom Ash Hopper Feed Gates & its spares"
	3.0	MEG Responsibility	VDC
B	<p>Technical Criteria of QR:</p> <ol style="list-style-type: none"> 1. The applicant should be a fabricator/manufacturer of hydraulically/pneumatically /electrically operated 'gate/damper/flap isolator' and should have supplied the same in last 5 years from the date of application for enlistment. 2. The applicant should have in house testing facilities for leakage test as per attached QP. 3. The applicant should have in house testing facilities for no load test as per attached QP. 		
C	<p>Documents to be submitted as proof of meeting the stipulated Qualifying Requirements as stated at B) above</p> <ol style="list-style-type: none"> 1. Latest annual report OR Udyam registration / 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. 2. PO copies for supply orders 3. Proof of in-house testing facilities for no leakage test (valid instrument calibration certificate, invoice of ownership(optional), picture of the testing facility). 4. Proof of in-house testing facilities for no load test (valid instrument calibration certificate, invoice of ownership(optional), picture of the testing facility) <p>NTPC can ask more documents if felt necessary.</p>		

<p>D</p>	<p>Documents to be submitted to find executed value of orders:</p> <p>In addition to the documents required in support of meeting technical requirements as stated above, following documents are required to be submitted by the Applicants applying for enlistment: -</p> <ol style="list-style-type: none"> 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. 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 3. NTPC can request for other documents as necessary during the course of evaluation. 	
<p>E</p>	<p>NOTE-1</p>	<p>Similar works means: ‘Supply of gate(s)/damper(s)/flap isolator(s) with or without actuator’ complete assembly and/or its spares in last 5 years from the date of application for enlistment.</p>
	<p>NOTE-2</p>	<p>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.</p>
	<p>NOTE-3</p>	<p>GSTIN certificate ,PAN ,Power of attorney, Letter of undertaking ,works information etc. as mentioned in enlistment application pages of website www.vendor.ntpc.co.in</p>

MANUFACTURING QUALITY PLAN

	Item: -DISCHARGE GATE FOR BAH (FEED GATE)	QP NO:			P 1/2				
		Rev.	00	Date					

SL. NO.	COMPONENT/ OPERATION	CHARACTERISTICS	QUANTUM OF CHECK		REFERENCE DOUMENT	ACCEPTANCE NORM	FORMAT OF RECORD	D	AGENCY		REMARKS
			M	N					M	N	


A) Raw material Inspection & Bought-out Items

1	Housing, Gate, Guide Plate, Wedge, Liner	Composition & Mechanical Properties (as applicable)	1/ Heat		Tender Spec./ PO Spec./Approved Drg. / DS	TC / IR		P	V	
		Visual, Dimensional	100 %							
2	Rollers. Roller axle, Shaft / Piston Rod (as applicable)	Chemical Composition & Mechanical Properties	1/ Heat		Tender Spec./ PO Spec./Approved Drg. / DS	TC / IR		P	V	
		UT for dia. \geq 50 mm	100 %		ASTM A 388	Note 4	TC / IR		P	V

B) In-process Inspection

Welding (if applicable)											
1	a) WPS, PQR & WPQ	Welding	100%		ASME Sec IX / AWS D 1.1	WQR/WPS /PQR Record		P			
	b) NDT	DPT	100% / 10 % *		ASTM E 165	ASME Sec VIII	IR		P	V	*100 % on Butt Weld & 10 % on Fillet weld
2	Machining (if applicable)	DPT	10 %	10 %	ASTM E 165	ASME Sec VIII	IR		P	V	
3	Pneumatic Cylinder (if applicable)	Operational / Functional TC	100%		Tender Spec./ PO Spec./Approved Drg. / DS	TC/IR	Y	P	V		

MANUFACTURING QUALITY PLAN

	Item: -DISCHARGE GATE FOR BAH (FEED GATE)	QP NO:			P 2/2				
		Rev.	00	Date					

SL. NO.	COMPONENT/ OPERATION	CHARACTERISTICS	QUANTUM OF CHECK		REFERENCE DOUMENT	ACCEPTANCE NORM	FORMAT OF RECORD	D	AGENCY		REMARKS
			M	N					M	N	
<i>C) Final Inspection</i>											
1	Spares & Complete Assembly	Overall Dimension & Completeness & (For complete assembly only)	100%	10 %	Tender Spec./ PO Spec./Approved Drg. / DS	IR	V	P	W		
2	Complete Assembly	Leakage Test of sealing area & No Load operation test (10 Cycles)	100%	10 %						Tender Spec./ PO Spec./Approved Drg. / DS	IR

Notes:-

1. Y mark in Column 'D' means such document shall be furnished by the manufacturer / supplier.
2. Calibrated equipment's required for performing the tests in presence of NTPC or authorized representative, shall be arranged by the supplier without any extra cost.
3. 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 practices
4. when Back Wall Echo (BWE) set to 100% Full Screen Height (FSH) in sound area of the material , a defect echo > 20% FSH is not acceptable. Also loss of BWE > 20% is not acceptable.

Abbreviations: -

<i>M</i>	<i>Manufacturer</i>	<i>P</i>	<i>Perform</i>	<i>IR</i>	<i>Inspection Record / Report</i>
<i>N</i>	<i>NTPC Ltd or authorized representative</i>	<i>W</i>	<i>Witness</i>	<i>TC</i>	<i>Test Certificate</i>
<i>CoC</i>	<i>Certificate of Conformance</i>	<i>V</i>	<i>Review of records</i>	<i>MTC</i>	<i>Manufacturer's Test Certificate</i>

Technical Specifications for “Bottom Ash Hopper Feed Gates & its spares”

(a) Bottom Ash Hopper Feed Gate complete assembly - It covers following make/models:

- a. Tecpro - 36"x36", 900X900 MM, 1118X1225 MM, 1300X1200 MM
- b. INDURE - 600X600, 900X900, 600X900MM
- c. VC - 3'X3'
- d. DCIPS - 36"X36", 3000X1800 MM
- e. BSBK - 900X900
- f. BURN STANDARD - 5052X2860 MM
- g. Melco - 36"X36"
- h. UCC - 914X914
- i. Any other similar model

(b) BAH Feed gate spares includes – Door, Gate frame, Gate wear liner, Replaceable liner, Bush, fixing clamp, Pin for block of Feed Gate, Tension plate, Block, Roller of Feed gate, Shaft, Locking plate, Wedge, Valve disc, disc liner, disc arm, spring, drive gear, Roll & teeth, shaft sleeve, Roller cover assembly, access door, connector rod, end pin, connector pin, view glass and its 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.