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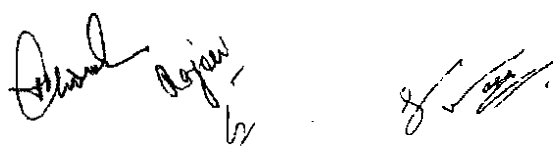
Sub: Qualifying Requirement for Vendor Enlistment for supply of Ash Slurry Pipe of size 400 NB

A)	MEG DETAILS		
	1.0	MEG NO.	16MEC-21
	2.0	MEG DESCRIPTION	Ash Slurry Pipe of size 400 NB
	3.0	RESPONSIBILITY CENTRE	CC
B)	Technical Criteria of QR: 1. The applicant should be a manufacturer of ERW/SAW Pipes of size 400 NB or above diameter. 2. The applicant should have a valid BIS license for IS 3589, size 400 NB or above diameter.		
C)	Other Documents to be submitted: 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:- 1. Three POs of the highest executed values of similar work 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 documents are not ready / available, then certified copy by a registered practicing Chartered accountant may be submitted. 3. 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. 4. Any other documents in addition to the above which the applicant wants to submit.		
D)	NOTE-1	Similar works means: Supply of ERW/SAW pipe as per IS-3589 of diameter 400 NB or above diameter and of thickness 9.5 or more (In mm) in last 5 years from the date of application for enlistment	
	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.	

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Sub: Technical Specifications for Vendor Enlistment for supply of Ash Slurry Pipe of size 400 NB

A)	MEG DETAILS		
	1.0	MEG NO.	16MEC-21
	2.0	MEG DESCRIPTION	Ash Slurry Pipe of size 400 NB
	3.0	RESPONSIBILITY CENTRE	CC
B)	Technical Specifications: As per attached annexure below		

1	<p>GENERAL</p> <p>Type of pipe: ERW/SAW of grade Fe 410 as per IS:3589</p> <p>APPLICATION</p> <p>Ash Slurry disposal system</p> <p>COMPUANCE WITH NATIONAL STANDARDS</p> <p>The material shall comply with the requirements of the following standard and also meet the requirements of this specification</p> <p>IS: 3589 – 2001 (With latest amendments)</p>
4	<p>DIMENSIONS</p>
4.1	<p>SIZE</p> <p>Outside Diameter- As specified</p> <p>THICKNESS- 9.5 mm</p>
4.2	<p>LENGTH</p> <p>Pipes shall be supplied in random length of 7 to 12 metres.</p>
4.3	<p>ENDS-</p> <p>Bevelled end</p>
5	<p>TOLERANCES</p> <p>The tolerances shall be as per IS 3589</p>
6.	<p>Mechanical properties, chemical properties and hydraulic test pressure shall be as per IS:3589</p>
6.1	<p>Hydraulic test shall be as per IS:3589</p>
	<p>Condition of supply:</p> <p>Pipe shall be supplied with antirust coating on outer surface.</p> <p>QA Requirements</p> <p>Pipes shall be tested as per standard quality plan,</p> <div style="text-align: center; margin-top: 20px;">  </div>

SL NO	COMPONENT & OPERATION	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY			REMARKS
					M	C/N			M	C	N			
1.	2.	3.	4.	5.	6.		7.	8.	9.	D*	** 10			11
1.0 Raw Material Inspection														
1.1	Steel Strip/Sheet	Mechanical & Chemical Properties	Major	Mechanical & Chemical	1 Sample/ Heat		IS: 1239 (Part-I) / IS:3589	TC	√	P	V	V		
		Thickness	Major	Measure	100%	-	IS: 1239 (Part-I) / IS:3589	IR		P	-	-		
		Visual	Major	Visual	100%	-	IS: 1239 (Part-I) / IS:3589	IR		P	-	-		
2.0 Final Inspection														
2.1	Pipe (Black)	Surface Defects & Finish, End Conn.	Major	Visual	Sampling as per IS		IS: 1239 (Part-I) / IS:3589 / NTPC Technical Specifications	IR	√	P	W	W		
		Dimensions, Straightness, Ovality, Bead Removal	Major	Measure			IS: 1239 (Part-I) / IS:3589	IR	√	P	W	W		
		Tensile, Elongation, Bend, Flattening	Major	Physical			IS: 1239 (Part-I) / IS:3589	IR	√	P	W	W		
		Leakage	Major	Hydro			All	10%	IS: 1239 (Part-I) / IS:3589	IR	√	P	W	W
2.2	Galvanizing (if applicable)	Finish/Surface Defects	Major	Visual	100%		IS: 4736	IR	√	P	W	W		
		Uniformity of Zinc Coating	Major	Dip Test	Sampling as per IS		IS: 2633	IR	√	P	W	W		
		Thickness, Mass and Adhesion of Zinc Coating & Free Bore Test	Major	Mechanical & Verification			IS :4736	IR	√	P	W	W		
2.3	Finished Pipe	Identification & Marking	Major	Visual				-	√	P	W	W		

Note 1: Minimum thickness of Pipe/ Zinc Coating (for Galvanized Pipes) shall be as per NTPC Technical Specifications/ Approved Drawing/ Datasheet.

Note 2: In case of Pipes for Rubber Lining application, internal Bead shall be removed.

Note 3: For Pipe sizes up to and including 150NB, witness Of Mech. Tests, Hydro Test & Galvanizing Checks shall be done on 1 randomly selected size only, where order quantity of particular sizes is less than 100 Meters. If such sizes, where order quantity is less than 100 Meters, are more than 5, then 2 sizes shall be randomly selected for witness tests.

Note 4: Surface protection (Outside & Inside) shall be as per NTPC Technical Specs/ Approved Drawing/ Datasheet.

Note 5: Skelp Joint (in case of Spiral Welded Pipes to IS: 3589), shall be at least 12" away from the Pipe end.

LEGEND: * RECORDS, IDENTIFIED WITH "TICK" (√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.

** M: MANUFACTURER / SUB-SUPPLIER C: MAIN SUPPLIER, N: NTPC P: PERFORM W: WITNESS AND V: VERIFICATION. AS APPROPRIATE, CHP: NTPC SHALL IDENTIFY IN COLUM "N" AS 'W'.

FORMAT NO.: QS-01-QAI-P-10/F3-R1

ENGG. DIV./QA&I