

NTPC LTD

VDC, RAIPUR

Sub: Qualifying Requirement for Vendor Enlistment for ‘Supply of 300 NB ERW Pipes (FE410) for thickness range 6.3 to 10 mm as per IS 3589 (CAT-1)’

A)	MEG Details	
1.0	MEG No.	16MEG-30
2.0	MEG Description	Supply of 300 NB ERW Pipes (FE410) for thickness range 6.3 to 10 mm as per IS 3589 (CAT-1)
3.0	Responsibility Centre	VDC
B)	Technical Criteria of QR: 1. The applicant should be a manufacturer of ERW Pipes of size 300 NB or above diameter. 2. The applicant should have supplied ERW pipes as per IS-3589 of 300 NB or above diameter and of minimum thickness 6.3 mm in last 5 years from the date of application for enlistment 3. The applicant should have a valid BIS license for IS 3589, size 300 NB diameter.	
C)	Documents to be submitted in support of meeting Technical QR: 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. QR-3: Applicant should have valid BIS license as on the date of application for enlistment or applicant has to submit documentary proof for renewal application of BIS license. Remark: NTPC can ask more documents if felt necessary.	
D)	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: - 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 accountant certifying the financial parameters are not available 3. Any other documents in addition to the above which the applicant wants to submit. 4. NTPC can ask more documents if felt necessary.	
E)	Note-1	Similar works means: Supply of ERW pipe as per IS-3589 of 300 NB or above diameter and of thickness 6.3 to 10 (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 & Quality Plan for 'Supply of 300 NB ERW Pipes (FE410) for thickness range 6.3 to 10 mm as per IS 3589 (CAT-1)'

Technical Specifications:


A) MEG Details		
1.0	MEG No.	16MEG-30
2.0	MEG Description	Supply of 300 NB ERW Pipes (FE410) for thickness range 6.3 to 10 mm as per IS 3589 (CAT-1)
3.0	Responsibility Centre	VDC
B	Technical Specifications	<p>Fe 410 ERW PIPE 300 NB AS PER IS 3589</p> <p>1.0 GENERAL Welded ERW Pipe (Black / Bare / Galvanized) of grade Fe 410 as per IS:3589.</p> <p>2.0 Application As required</p> <p>3.0 Compliance with National Standards The material shall comply with the requirements of the following standard and also meet the requirements of this specification a) IS 3589 (With Latest Revision).</p> <p>4.0 Dimensions</p> <p>4.1 SIZE Outside Diameter – 323.9 MM Thickness – As per requirement (6.3mm to 10mm) Length – As specified.</p> <p>4.2 ENDS Beveled End</p> <p>4.3 TOLERANCE The Tolerance Shall be as per IS – 3589. However, Tolerance on Thickness Shall be as per IS – 3589 or Zero Negative Tolerance (As per requirement).</p> <p>5.0 Mechanical properties, chemical properties and Hydraulic test pressure shall be as per IS-3589.</p> <p>6.0 Condition of Supply Pipe Shall be supplied with Antirust Coating on outer Surface for ERW Black / Bare Pipes. The pipes shall be marked with the ISI Mark.</p> <p>7.0 QA Requirements Pipes shall be tested as per standard quality plan.</p>

STANDARD QUALITY PLAN

	Item :- MS Pipe (Black / Galvanized) (as per IS 3589)	SQP NO:		CPG-QA-SQP-M005		P. 1/2		Prepared <i>Ankush</i> (Ankush Birla)		Approved <i>Sunil Malani</i> (Sunil Malani)	
		Rev.	00	Date	01.03.2022						

SL. NO.	COMPONENT/ OPERATION	CHARAC- TERISTICS	QUANTUM OF CHECK		REFERENCE DOUMENT	ACCEPTANC E NORM	FORMAT OF RECORD	D	AGENC Y		REMARKS
			M	N					M	N	
A) Raw Material / Bought Out Items Checks											
1	Steel Strip/ Sheet	Chemical & Mechanical Properties	1/ Heat	1/ Heat	Tech Specs /Approved Drg./ DS / IS 3589	TC		P	V		
		Thickness & Width	100 %	100 %	Tech Specs /Approved Drg./ DS / IS 3589	IR		P	V		
		Visual	100 %		Tech Specs /Approved Drg./ DS / IS 3589	IR		P			
B) Finished Product / Final Inspection											
1	Pipe (Black /Galvanized)	Surface Defects, Bead Removal & Finish, End Connection	Sampling as per IS 4711		Tech Specs /Approved Drg./ DS / IS 3589	IR		P	W		
		Dimensions, Straightness, Ovality			Tech Specs /Approved Drg./ DS / IS 3589	IR		P	W		
		Tensile, Yield Elongation, Flattening, Guided Bend Test (for SAW pipes)			Tech Specs /Approved Drg./ DS / IS 3589	IR		P	W		
2	Galvanizing (If Applicable)	Finish/Surface Defects	100 %	10 %	Tech Specs /Approved Drg./ DS/ IS:4736	IR		P	W		
		Uniformity of Zinc Coating	Sampling as per IS 4736		Tech Specs /Approved Drg./ DS/ IS:2633	IR		P	W		
		Thickness, Mass and Adhesion of Zinc Coating & Free Bore Test	Sampling as per IS 4736		Tech Specs /Approved Drg./ DS/ IS:4736	IR		P	W		
3	Hydro Test	Leakage	100 %	5 %	Tech Specs /Approved Drg./ DS / IS 3589	IR		P	W		

STANDARD QUALITY PLAN

	Item :- MS Pipe (Black / Galvanized) (as per IS 3589)	SQP NO: CPG-QA-SQP-M005		P. 2/ 2		Prepared	Approved
		Rev. 00	Date 01.03.2022	(Ankush Birla)		(Sunil Malani)	

SL. NO.	COMPONENT/ OPERATION	CHARAC- TERISTICS	QUANTUM OF CHECK		REFERENCE DOUMENT	ACCEPTANC E NORM	FORMAT OF RECORD	D	AGENC Y		REMARKS
			M	N					M	N	
4	Finished Pipe	Identification & Marking	100 %	Sam pling as per IS 4711	Tech Specs /Approved Drg./ DS / IS 3589		IR		P	W	

Notes :-

- In case of pipes for rubber lining application, internal bead shall be removed.
- Surface protection (outside & inside) shall be as per NTPC technical specs/approved drawing/datasheet.
- Skelp joint (in case of spiral welded pipes to IS:3589), shall be at least 12” away from the pipe end.
- Y mark in Column ‘D’ means such document shall be furnished by the manufacturer / supplier.
- Calibrated equipment required for performing the tests in presence of NTPC or authorized representative, shall be arranged by the supplier without any extra cost.
- 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.
- No pre dispatch witness inspection by NTPC for ISI marked pipes of size below 400 NB.
- No witness by NTPC for railing pipes.

Abbreviations :-

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