

**CORRIGENDUM #3****TENDER FOR PROCUREMENT OF 229 KM STEEL LINEPIPE TO MEET PROJECTS
REQUIREMENT FOR ALL GAS OF IGL****Tender No : IGL/ET2/CP/CP17996, Dated 20.05.2024**

VCS Ref. No. VCS/C&P/17028/PC/CS PIPE/17

Owner: Indraprastha Gas Ltd.

Consultant: VCS Quality Services Pvt. Ltd.

Date: 13.06.2024

Sl. No.	Tender Page No.	Clause/ Para/ Section	Description	Amendment/ Addition/ Modification/ Deletion	
COMMERCIAL					
1	67 of 104	SCC Clause No. 6.0	Mode of Payment Payment shall be released to bidders within a period of forty five (45) days, as per clause 5.0 above, of receipt of invoice with all relevant / supporting documents, by IGL through cheque/ RTGS.	Amendment	SCC Clause No. 6.0, Mode of Payment shall be read as below: Payment shall be released to bidders within a period of Thirty (30) days, as per clause 5.0 above, of receipt of invoice with all relevant / supporting documents, by IGL through cheque/ RTGS.
2	164 of 208	FORM-A	FORM - A CHECK LIST - TECHNICAL d) A certificate from reputed international inspection agency (i.e. CEIL/ Lloyds/ BV/ DNV/ TUV/ ABS/ Moody/ AIBVincotte) is enclosed in 'Form-A' for proposed pipe mill, certifying that the proposed mill has the capability to produce linepipes complying technical requirements specified in the bid document.	Amendment	Refer Annexure-1
3	9-10 of 104	IFB Clause No. 4.0	Delivery Schedule	Addition	Lot wise tentative quantities, Refer Annexure-2

Note: All other Term & Conditions of the Tender shall remain unchanged



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F-10A (SMLS)

LINE PIPE MANUFACTURING MILL CAPABILITY CERTIFICATION

This is to certify that M/s _____ reference plant's production line _____ has following manufacturing facilities to manufacture _____ (type of pipes) line pipes as per API 5L PSL2 or equivalent.

Sl. No.	Description	Inspection Agency	
		Observation	Remarks on Conformity
A	GENERAL INFORMATION		
1.0	Detailed description of Organization (Structure, number of Employees, facilities, equipments, etc,) concerning the following:		
1.1	Overall structure of Mill Organization		
1.2	Line Pipe production facilities and Capacity		
1.3	Testing Laboratories		
1.4	Quality Control/Quality Assurance (QA/QC): Type and location of the testing facility and step-by-step operations followed to achieve High quality product as per technical specifications.		
1.5	Destructive & Non-Destructive testing facilities.		
1.6	Latest Audit certified documents performed during production by one of the International Inspection Agencies (as listed in SCC).		
2.0	Company has valid ISO 9001-2000 Certificate and established Quality manual.		
B	Manufacturing Process & INSPECTION PROCEDURES		
1.0	Give detailed description of the Manufacturing Process to produce Line pipes as per technical documents		
1.1	Inspection of raw material (Billets)		
1.2	Billet cutting		
1.3	Charging		
1.4	Piercing		
1.5	Rolling & Hot cutting		



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Sl. No.	Description	Inspection Agency	
		Observation	Remarks on Conformity
1.6	Heat Treatment		
2.0	Following shall be certified for Mill capability:		
2.1	<u>Inspection of raw material (Billets)</u>		
2.2	<u>Piercing of Billets</u> During piercing the billets machine should have tracking system to control piercing and temperature.		
2.3	<u>Reheating & rolling</u> Pipe mill shall have a continuous monitoring arrangement for better dimensional control, minimum repairs and higher production.		
2.4	<u>Inspection & Testing</u>		
	Type and location of the testing facility and step-by-step operations followed to achieve High quality product as per technical specifications.		
	List of all relevant DT & NDT procedures (including Acceptance criteria)		
	List of NDT qualified personnel with valid ASNT-1A certificates for level III and Level II operators.		
	All instruments used shall have a valid Calibration certificates.		
	Capability of mill and procedure followed to produce pipes within the technical specifications with special attention to clause number 7.2 of TS (Out of roundness limited to 5 mm).		
	Capability of Mill and procedure followed to perform Impact test at -20/0 Deg.C. as per technical document requirements.		
	Work Instructions and approved procedures to be displayed at each and every work centres for ready reference		
	Pipe mill shall have the facilities, controls		



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Sl. No.	Description	Inspection Agency	
		Observation	Remarks on Conformity
	and recording facility for all furnaces for online process and heat treatment		
	Various procedures established shall have approval from International Inspection agencies as listed in SCC.		

Overall acceptability

Acceptable / Not Acceptable

For & On behalf of

Signature
Name
Designation
Agency's name & Seal

Note: All pages of this report (Form-10A) shall be signed and stamped by the agency



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FORMAT F-10 A (HFW/ERW)

LINE PIPE MANUFACTURING MILL CAPABILITY CERTIFICATION

This is to certify that M/s _____ reference plant's production line _____ has following manufacturing facilities to manufacture _____ (type of pipes) line pipes as per API 5L PSL2 or equivalent.

Sl. No.	Description	Inspection Agency	
		Observation	Remarks on Conformity
A	GENERAL INFORMATION		
1.0	Detailed description of Organization (Structure, number of Employees, facilities, equipments, etc,) concerning the following:		
1.1	Overall structure of Mill Organization		
1.2	Line Pipe production facilities and Capacity		
1.3	Testing Laboratories		
1.4	Quality Control/Quality Assurance (QA/QC): Type and location of the testing facility and step-by-step operations followed to achieve High quality product as per technical specifications.		
1.5	Non-Destructive testing facilities.		
1.6	Latest Audit certified documents performed during production by one of the International Inspection Agencies (as listed in SCC).		
2.0	Company has valid ISO 9001-2000 Certificate and established Quality manual.		
B	FABRICATION & INSPECTION PROCEDURES		
1.0	Give detailed description of the Fabrication Process to produce Line pipes as per technical documents		
1.1	Inspection of raw material (Plates/Coils)		
1.2	Forming of the plates/Coils		



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Sl. No.	Description	Inspection Agency	
		Observation	Remarks on Conformity
1.3	De-coiling and Inspection		
1.4	Edge preparation		
1.5	Forming		
1.6	Welding		
1.7	Testing		
2.0	Following shall be certified for Mill capability:		
2.1	<u>Inspection of raw material (Plates/Coils)</u> The machine shall have an inbuilt edge machining and Ultrasonic testing to test about 25mm width on both sides of the plate edges.		
2.2	<u>Forming of the plates/ Coils</u> During Forming and welding the machine should have tracking system to control welding groove and edge offsets.		
2.3	<u>Welding</u> Pipe mill shall have a continuous tack welding arrangement for better dimensional control, minimum repairs and higher production. Weld procedure qualified shall ensure testing of Impact at -20° C for Weld and HAZ.		
2.4	<u>Inspection & Testing</u>		
	Type and location of the testing facility and step-by-step operations followed to achieve High quality product as per technical specifications.		
	List of all relevant NDT procedures (including Acceptance criteria)		
	List of NDT qualified personnel with valid ASNT-1A certificates for level III and Level II operators.		
	Ultrasonic machines being used should		



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Sl. No.	Description	Inspection Agency	
		Observation	Remarks on Conformity
	ensure tracking of weld seam during testing and representing defects on a printout.		
	All instruments used shall have a valid Calibration certificates.		
	Capability of mill and procedure followed to produce pipes within the technical specifications with special attention to clause number 7.2 of TS (Out of roundness limited to 5 mm).		
	HSAW mill shall ensure, prove and establish adequate methodology that the residual stresses are within acceptable limits (at least equal to cold expanded pipes).		
	Capability of Mill and procedure followed to perform Impact test at -20/0 Deg.C. as per technical document requirements.		
	Work Instructions and approved procedures to be displayed at each and every work centres for ready reference		
	Various procedures established shall have approval from International Inspection agencies as listed in SCC.		

Overall acceptability

Acceptable / Not Acceptable

For & On behalf of

Signature
Name



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ANNEXURE - 2

Lot wise tentative quantities are as follows:

	Lot 1	Lot 2	Lot 3	Lot 4	GA Total
Rewari		10	10		20
Muzaffarnagar	47	47	47	47	188
Ghaziabad	21				21
Lot Total	68	57	57	47	229

All above quantities are in (Kms).

***Note: These are tentative lot qty. and location however bidder may have to supply at any other IGL location as well based on requirement**