SUBJECT: Procurement of 4" steel pipeline on ARC basis for a period of One Year.

TENDER NO.: VGL/CO/C&P-PNG/BD2026010S390 Dated 07/11/2026 & **TENDER ID:** 364566.

<table>
<tr><th>Sl. No.</th><th>Sec. No.</th><th>Page No.</th><th>Clause No.</th><th>Subject</th><th>Bidder's Query</th><th>VGL's Reply</th></tr>
<tr><td>1</td><td>-</td><td>-</td><td>Clause 8.1</td><td>Dy. Manager CGD - C&P In-Charge
Vadodara Gas Limited, 1st Floor, Riddhi Tower, Manisha Circle, Old Padra Road, Vadodara – 390015 (Gujarat),

&

M/s Vadodara Gas Ltd 6th Floor (East Part), Tower-C, Nilamber Corporate Park, Opp. Hyatt Place Hotel, Gotri-Vasna Road, Vadodara, Gujarat – 390021</td><td>Bidder would like to mention that kindly provide the confirmation to issuance the EMD as well as communication address as in tender document there are Two Address.</td><td>M/s Vadodara Gas Ltd 6th Floor (East Part), Tower-C, Nilamber Corporate Park, Opp. Hyatt Place Hotel, Gotri-Vasna Road, Vadodara, Gujarat – 390021</td></tr>
<tr><td>2</td><td>-</td><td>-</td><td>Clause 4</td><td>CONTRACT & DELIVERY PERIOD

The contract shall be valid for a period of 12 Months. However, if the entire quantity of ARC order has not been ordered/ procured by VGL, the contract period shall be extended by a period of 06 Months at same rate, terms and conditions and at sole discretion of VGL</td><td>Bidder would like to be mentioned that Still Market is highly volatile and not a practically possible to maintain long time commitment.

We request you to kindly consider the Contract Period for a 6 Month, instead of 12 Month.</td><td>Not Accepted. ARC validity shall remain 12 months with provision for extension as specified in the tender document.</td></tr>
<tr><td>3</td><td>-</td><td>-</td><td>Fall Clause</td><td>Fall clause is applicable only in case of nomination and proprietary/ OEM procurement</td><td>Bidder understands that there is no any "Fall Clause" against this subject Tender.</td><td>Not Applicable</td></tr>
<tr><td>4</td><td>-</td><td>-</td><td>Support Letter</td><td>List of Steel coil manufacturing company</td><td>Bidder would like to mention that we are the manufacturer of 4" & 6" though Seamless Process. Hence we request you to kindly provide the "Billet Supplier List" against this subject Tender.</td><td>Bidder may source billets from reputed manufacturers complying with applicable standards. Approval shall be subject to submission of credentials and review by VGL.</td></tr>
<tr><td>5</td><td>-</td><td>-</td><td>As per MR</td><td><table>
<tr><th rowspan="2">MR Item No.</th><th colspan="8">Description</th><th rowspan="2">Quantity (m)</th><th rowspan="2">Designated "Place of Delivery of Coated Pipe"</th><th rowspan="2">Manufacturing Process (Seamless/ ERW)</th></tr>
<tr><th colspan="8">Technical Specification</th></tr>
<tr><td></td><td>Pipe Size (OD) Inch</td><td>W.T. (mm)</td><td>Ends</td><td>Std./Code</td><td>Grade</td><td>Finish</td><td>Minimum Coating Thickness (mm)</td><td></td><td></td><td></td></tr>
<tr><td>1</td><td>4" - 114.3 mm</td><td>6.4</td><td>PE</td><td>API 5L</td><td>X-52</td><td>Coated</td><td>2</td><td>15,000</td><td>Gajarawadi Gas Holder or Central Store, Pandya Bridge</td><td></td></tr>
</table></td><td>Bidder would like to mention that there are mismatch in Tender Quantity between MR & IFB.

Hence we request you to kindly provide the "Confirm Quantity" against this subject Tender.</td><td>The quantity specified in the tender document shall prevail. Quantity under ARC is indicative and may vary depending on project requirements.</td></tr>
<tr><td>6</td><td>-</td><td>-</td><td>Clause 5.3</td><td>CVN Impact at 0°C as well as - 29°C</td><td>Either 0°C or – 29°C or Both</td><td>Tender specification shall prevail. Impact testing requirements shall be complied with as specified in the tender.</td></tr>
<tr><td>7</td><td>-</td><td>-</td><td>Clause 5.6.3b</td><td>Inside diameter shall be measured.</td><td>Not applicable. Hot rolled seamless pipes shall be manufactured with OD x WT basis.</td><td>Accepted. Dimensional compliance as per API 5L requirements shall be ensured.</td></tr>
<tr><td>8</td><td>-</td><td>-</td><td>Clause 5.6.3.2</td><td>Length: 11.5-12.5 meter (95%) & 10.0-11.5 meter (5%) of pipes.</td><td>Length: 11.5-12.2 meter (90%) & 10.0-11.5 meter (10%) of pipes.</td><td>Accepted. Proposed length distribution is acceptable subject to compliance with average length requirements.</td></tr>
<tr><td>9</td><td rowspan="2">-</td><td rowspan="2">-</td><td rowspan="2">Clause 6.3.1 & Table 18</td><td>Frequency Chemical, Tensile & Impact = 02 sample/Heat/Lot of 100 pipes & Hardness 01/Heat/Lot of 50 Pipes</td><td>02 sample/Heat for Chemical and 01 sample/Heat/ Lot of 200 pipes for Tensile, Impact, and Hardness. Due to lot consist of 400 pipes as per API 5L PSL-2</td><td>Not Accepted. Tender specification shall prevail.</td></tr>
<tr><td>10</td><td>Pipe diameter & out of roundness-100%</td><td>10% pipes to be measured & recorded as per API 5L</td><td>Not Accepted. Tender specification shall prevail.</td></tr>
</table>

11				Weighing of pipes 100%	Weighing shall be in convenient lot as per API 5L	Accepted. Weighing may be carried out lot-wise with full material traceability.
12	-	-	Table 20	CVN impact test sample - Transverse	CVN impact test shall be longitudinal	Tender specification shall prevail.
13	-	-	Clause 6.3.4.3.1	Hydro test pressure held at 15 Sec. min.	Test Pressure holding at 10 Sec. min.	Accepted. Minimum hydrotest holding time of 10 seconds shall be acceptable.
14	-	-	Clause 6.3.4.5	Hydro test pressure calculated with 95% SMYS	Hydro test pressure calculated with 85% SMYS	Tender specification shall prevail.
15	-	-	Clause 6.3.5.2	Illumination Area = 1000 Lux minimum	500 Lux maximum	Tender specification shall prevail.
16	-	-	Clause 6.3.7	Retesting – Re check analysis	As per API 5L only.	Accepted. Retesting shall be as per API 5L PSL-2 requirements
17	-	-	Clause 7.3.2	Pipe number mark with cold rolling, low stress dot marking or Vibro-etching	Only paint stenciling on outer surface of pipes after 3LPE coating.	Not Accepted. Permanent traceability marking shall be maintained.
18	-	-	Clause 11	Field Inspection & Test	Not applicable. All testing & inspection shall be performing at factory premises of in-house facility.	Accepted. Inspection shall be carried out at manufacturer's works. However, VGL/TPI reserves the right to witness inspections.
19	-	-	Clause B5 (C i)	Transition curve : four set of three transverse specimen	One set of three longitudinal specimens, values for information only.	Not Accepted. Bidder shall comply with the tender specification. Transition curve testing shall be carried out as specified in the tender document
20	-	-	Clause 6.3.5	Non Destructive Test	Either UT or EMI full body & End-Bevel with MPI	Accepted. Full body inspection may be carried out by either Ultrasonic Testing (UT) or Electro Magnetic Inspection (EMI) as per API 5L requirements. End-bevel inspection shall be carried out using MPI.
21	-	-	Enq Mail	**Pipe Size:** **API 5L Gr.X 52 PSL-2 (HFW/SMLS)** **1)** 114.30 mm OD X 6.40 mm WT**, Qty.: 45000 Meters**	**For info & clarification:** **1)** For Coating pipe length should be 9 to 12 meters pipes.	Noted. Pipe lengths shall be as per approved pipe manufacturing specification and purchase order requirements. Coating shall be carried out on supplied pipe lengths.
22	-	-	4.4.2 & Note-4	FBE layer thickness: 200**µm minimum**, Adhesive layer thickness: **200µm minimum**, **Total Coating thickness:** Up to 4½ (114.3) : **1.85 mm minimum**.	**For info Only**	Noted. Coating thickness requirements as specified in the tender shall be applicable.
23	-	-	ANNEXURE-I	**LIST OF ACCEPTABLE COMBINATIONS OF COATING MATERIALS**: **Epoxy -** 3M : 226N Jotun : CORRO-COAT EP-F 2001/2002HW/1003HW **Adhesive -** Borealis : ME0420 LYONDELLBASELL: LUCALEN G3710E HYUNDAI ENGINEERING PLASTICS : LE 149 V **High Density Polyethylene**: BOROUGE: **HE 34050H** LYONDELLBASELL: LUPOLEN 4552 D SW 00413 HYUNDAI ENGINEERING PLASTICS : ET 509 B	**For info Only**	Noted. Approved coating material combinations as specified in the tender shall be applicable. Alternative materials, if any, shall be subject to VGL approval.
24	-	-	3.1.1 & 3.2.1	The coating must be able to withstand	**For info Only**	Noted. Tender specification shall prevail.

				minimum and maximum continuous in-service operating temperatures of 0°C and (+) 65°C respectively and still comply with the performance requirements of this specification.The 3 Layer Polyethylene coating shall conform to DIN 30670, Type „S" and the requirements of this specification.		
25	-	-	4.4.3 & Annexuure-II	**Coating Cut Back:** Coating and/or adhesive shall terminate **120 mm +20 /-0** mm from pipe ends. Edge of the coating shall be shaped to form a bevel angle of 30° to 45°. FBE band: **20 ±5 mm**	**For info Only**	Noted. Tender specification shall prevail.
26	-	-	5.3.5	**Bond Strength:** One test shall be performed at cut back portion at each end and one in the middle of test pipe for each specified temperature (i.e. total 6 tests per pipe).	**For info & clarification:** We consider middle peel testing at maximum feasible distance approx. **400 mm** from pipe bevel ends. We will be repaired Testing area by using Heat shrinkable Sleeve.	Accepted. Bond strength testing may be carried out at maximum feasible distance from the pipe end. The tested area shall be repaired using approved heat shrink sleeve/repair material and shall meet specification requirements.
27	-	-	3.2.2	Epoxy powder properties shall be as per CSA Z245.20.2018	**For info Only:** We consider for properties of Epoxy powder as per latest version CSA Z245.20-2022.	Accepted. Latest edition CSA Z245.20:2022 may be considered.
28	-	-	3.5	For each batch of all materials, the Contractor shall obtain from the manufacturer(s) relevant certificates of material conformity and test results as per DIN 10204, 3.1 b.	**For info Only:** Test certificates submitted for review as per EN 10204.3.1, as EN 10204 – 3.1B standard is already revised and latest EN 10204 is replaced by 3.1.	Accepted. EN 10204 Type 3.1 certification shall be acceptable.
29	-	-	3.5 & 3.7	For each batch of all materials, the Contractor shall obtain from the manufacturer(s) relevant certificates of material conformity and test results. Contractor shall obtain Infrared scan of each batch of epoxy powder to assure that powder used in manufacturing is same as powder used in qualification.	**For info Only :** Raw material MTC shall be provided by material manufacturer to confirm specification requirement with few properties mentioned as typical result as per material manufacturer standard practice.	Not Accepted. Infrared scan requirement shall remain applicable as specified in the tender to establish traceability between qualified and production batches.
30	-	-	3.2.5 (e, f & g) & 4.1.n	**The long duration Tests Coating Resistivity, Heat Ageing & Light Ageing.** **1)** Test carried out in an independent laboratory of national/international recognition on PE topcoat is also acceptable. **2)** Test certificates from PE compound manufacturer for tests for thermal aging coating resistivity and aging under exposure to light. These test certificates shall not be older than three years.	**For info & clarification:** These are long duration tests (Coating Resistivity, Heat Ageing & Light Ageing), As per project specification we will submit manufacturer test data for review, for the test conducted within 3 years.	Accepted. Manufacturer's test certificates/reports conducted within the last three years from recognized laboratories shall be acceptable.
31			8.0	Barcode labels shall be fixed on one end at inside of Pipes.	**For info & clarification:** Please confirm Bar code required or not	Barcode identification shall be provided as specified in the tender document.
32	-	-	8.0	Colour band	**For info & clarification:** Please confirm Colour Band colour	Color band marking shall be as per manufacturer's standard for API 5L Grade X52 PSL-2 or as mutually finalized during drawing/document approval stage.
33	-	-	7.0	Repair of External 3LPE Coated pipes	**For info only** As per our regular Practice, we will use the Repair materials,	Accepted subject to submission of technical data sheets, manufacturer's recommendations and

					Make: Seal for Life for repairing of External 3LPE coating as per manufacturers recommendation and we will submit material certificate provided by material manufacturer.	approval by VGL/TPI prior to use.
34	-	-	--	3LPE Coating Process	**For info & clarification:** Existing 3LPE coating process setup in our plant as below and we can maintain only below process:- Bare pipe Inlet => Pre-heating => Abrasive blast cleaning => Acid Treatment => DI water wash => Blasted pipe surface inspection => Chromate application => Pipe preheating => FBE Application => Adhesive application = PE Layer Application = > Quenching = > Coating Inspection => Cutback Preparation => Holiday inspection => Final activity.	Accepted. Proposed coating process is acceptable provided all requirements of tender specification, DIN 30670 and approved QAP/ITP are fully complied with.
35	Section – I Invitation for Bids [IFB] & Section – IV Special Conditions of Contract [SCC]	10 & 72 of 186	2 (E&F) 4	**4.0 CONTRACT & DELIVERY PERIOD** The contract shall be valid for a period of **12 Months.** However, if the entire quantity of ARC order has not be ordered/ procured by VGL, the contract period shall be extended by a period of **06 Months** at same rate, terms and conditions and at sole discretion of VGL. VGL shall issue Release/ Part Orders to the supplier from time to time during the running of the Contract with further instructions as shall be necessary for the purpose of proper and adequate execution of the Contract and the Supplier shall deliver the same as per T & C of the contract. The Delivery period for any of the Release/ Part Order of the ARC shall be **90 Days** from the date of award of Release/ Part Order.	1. We request that the Contract Period be kept at twelve (12) months for the entire quantity under the ARC.The proposed extension period of six (6) months is not feasible for us from a commercial and operational standpoint. We therefore request your kind consideration and confirmation that the contract shall remain valid strictly for a period of 12 months only.	Not Accepted. Contract period and extension provisions shall remain as specified in the tender document. VGL reserves the right to extend the contract period as per tender conditions.
36					We request you to kindly confirm that the contract shall be awarded to the L1 bidder for the entire quantity of 45,000 meters. Further, upon issuance of the Release Order / Part Order for the first lot, the bidder shall be permitted to manufacture the entire quantity of 45,000 meters in a single production run and supply the material lot-wise as per VGL's requirements during the ARC period.	The contract shall be operated on ARC basis through Release Orders/Part Orders. Manufacturing and supply shall be governed by Release Orders issued by VGL from time to time.
					We wish to bring it to your notice that commencement of delivery for tendered Quantities are from 90 days from date of award of Release / Part Order may not be feasible because of lead time of steel procurement, pipe manufacturing, coating, TPI, delivery of pipes along with unloading arrangements . In the view of above we propose to deliver Pipes as per below schedule : Delivery within 120 days from the date of Release/Part Order. Kindly give us your confirmation	Not Accepted. Delivery period shall remain as specified in the tender document.
	Section – II ITB	30 of 120	16	Bid Security	We understand that Bank Details of VGL mentioned in Instructions for Furnishing CPS/SP on page 85 are also applicable for issuance of SFMS against EMD/Bid Security of subject procurement.	Confirmed

					Kindly confirm.	
37	Section-II ITB	30 of 120	16	'EMD submitted in the form of 'Bank Guarantee', Should have validity of at least 'two [02] months' beyond the validity of the bid.	We understand that the EMD in the form of BG to be validity for a period of 2 months beyond bid validity period. We would request you to give us the reply of this query within 1-2 days as we need 7 days for necessary arrangement of required documents.	Bidders Understanding is Correct
38	F-13 Check List	175 of 120	B	BG Validity Beyond 3 Three Months from Bid Validity Period of 90 Days		
39	Section – II	13 of 184	3	**Technical Criteria** (As A Single Bidder): The bidder must be a manufacturer of Carbon Steel Line Pipe and must have successfully supplied at least following specified quantities for hydrocarbon application during last 7 years reckoned from the final bid submission due date in single purchase order: Nominal Diameter (mm) | Minimum Supplied Qty. (In km.) | Grade 4" & above | 11.25 | Standard: API 5L, PSL -2 Material Grade X-52, ERW/ Seamless with 3LPE Coating	We understand that we can submit proof of supply of pipes as 4" or above API 5L X-52 to X-70 PSL-2 of same type, equal or higher. Kindly confirm.	Accepted. Supply experience of same type and equal or higher-grade API 5L PSL-2 line pipes from X52 to X70 shall be considered for evaluation.
40	Section – II	13 of 186	**2**	**Qualification Criteria for Coating Work** The proposed coating plant by the bidder for three-layer side extruded PE (3 LPE) coating on bare line pipes shall have coated at 25% of the quoted quantity of bare pipe as per API 5L- X-52/X-70 that are of same type, equal or higher using three layers' side extruded PE coating, during any of the last seven years reckoned from the bid due date	We understand that we can submit proof of supply of coated pipes for API 5L X-52 to X-70 pipe grade. Kindly confirm.	Accepted. Coating experience of same type and equal or higher-grade API 5L X52 to X70 coated pipes shall be considered.
41	FAQ	7 to 186	15	Fall clause is applicable only in case of nomination and proprietary/ OEM procurement.	We understand the Fall Clause is not applicable for subject procurement.	Not Applicable
42	Section – IV SCC	72 of 120	3	**3.0 TERMS OF PAYMENT** 100 % payment within 60 Days of raising the invoice for the supplied material along with all taxes & charges will be paid on submission of documents.	We hereby propose to accept payment terms as 100% within 30 days of raising the invoice for the supplied material along with all taxes & charges to be paid on submission of required documents. Kindly confirm.	Not Accepted. Payment terms shall remain as specified in the tender document.
43	Section – V	6 of 153	-	**Scope of supply.**	1) We understand that bidder scope of work is limited to unloading and stacking of pipes at designated ware- house/ storage yard. Please confirm. Please also confirm whether arrangement of Sand Bags and Preparation of Sand Rows is in the scope of Bidder.	Bidder's understanding is correct. Scope shall be as defined in the tender document. Sandbags and preparation of sand rows, wherever required for safe storage and stacking of pipes, shall be in bidder's scope.

					We understand that land for unloading & stacking of pipes will be issued by VGL in developed condition.	Bidder's understanding is correct. Storage area shall be made available by VGL.
44	MATERIAL REQUISITION	149 of 186		MATERIAL REQUISITION- Quantity (m)	We understand the requirement given for this tender is of 45,000 Meter instead of 15,000 Meter. Kindly confirm.	Bidder's understanding is correct. Tender quantity is 45,000 meters.
45	Material Requisition	90 of 186	15	**C. DOCUMENTS & DATA REQUIREMENTS** Final technical file	We would request you to accept the submission of final technical files in 1 hard copy & 3 soft copies.	Accepted. One hard copy and three soft copies of Final Technical File shall be submitted.
46	Section – II ITB	45 of 186	49	**Quantity Variation :** 49.1 The Purchaser reserves the right to vary the quantity of each item up to +/- 15% for each item, at the time of award without any change in quoted unit price or other terms & conditions.	We request confirmation of the quantity variation for the subject procurement to enable us to evaluate our bid accordingly.	Quantity variation shall be applicable as per Clause 49 of the tender document.
47	Material Requisition	8 & 9 of 153	-	**5.1 List of acceptable Steel Coil/Billets Manufacturer** For Coil (Upto X-70)	We would request your add the following coil suppliers name in your List of acceptable Steel Coil Supplier. • Arcelor Mittal Nippon Steel India (earlier Essar Steel) • Lloyd Steel • Jindal Steel Odisha Limited This are also approved by major PSU/Govt. organizations.	May be considered subject to submission of complete technical credentials, proven supply record and approval by VGL during technical evaluation.
48	General Query	-	-	Reverse Auction	We understand that Reverse Auction is not applicable for subject procurements. Kindly confirm.	Not Applicable
49	Scope of Supply [SOS]	88	E. Notes	d. Pipes shall be supplied between 11.5 m to 12.5 m.	Bidder proposes that pipes shall be supplied in double random length as below: • Min. 95% of the pipes shall be in the length range of 11.5 m to 12.5 m • Max. 5% of the pipe shall be supplied with min. length of 10 m to 11.49 m. Min. Average pipe length: 12 m	Accepted. Pipes may be supplied in double random lengths as proposed, subject to minimum average pipe length of 12 m.
50	Scope of Supply [SOS]	88	E. Notes	f. Bevel Protector or end caps shall be installed on all pipe ends. End caps shall be hook-able type which shall allow the use of end hooks without the need for their removal during pipe handling. g. The bevel protector shall be the re-usable type. Plastic push fit types end caps shall be installed on all small diameter pipe ends.	We confirm to supply pipes with Plastic end caps.	Accepted. Suitable plastic end caps may be provided for protection of pipe ends during transportation and storage.
51	Scope of Supply [SOS]	92	3.	DOCUMENTS & DATA REQUIREMENTS 20. Final technical file -- -- --	Bidder proposes to provide MRB dossier in soft copy / through eMRB. No Hard copy to be provided.	Accepted. MRB dossier may be submitted in soft copy/e-MRB form. However, VGL reserves the right to seek hard copies, if required.
52	API 5L 46th Edition April 2018 & Errata 1 dated		7	Information to be supplied by the purchaser 7.1 General information Additional information	As there is no specification received for ERW pipes we have considered API Spec 5L 46th Edition. We request to provide "Information to be supplied by purchaser" as per Clause 7.1 & 7.2 of API Spec 5L 46th Edition, applicable to the scope of supply of HFW	Tender specification and applicable requirements of API 5L shall govern. DWT testing is not applicable for the specified pipe size. However, all other applicable testing, inspection and documentation requirements of the tender shall be

	May 2018				Pipes. In absence of Confirmation of applicability of individual annexes as per Cl. 7.1 h) of API 5L, Bidder have considered Annex A, C, E and O. Bidder has not considered the requirements specified under 7.2 c) of API 5L. Bidder has not considered the Charpy V-notch impact test (As per Diameter & thicknesses combination identified in Table 22 of API 5L, for 4.5" OD. The sample extraction for 4.5" OD are not feasible even for sub sized specimens. Bidder has not considered DWT Test owing to the diameter of pipes being less than 20".	complied with.
53	Standard Specification for 3 Layer Polyethylene Coating of Line pipes	111	3.2.2 of 3LPE coating specification	3.2.2 FUSION BONDED EPOXY (FBE) POWDER Epoxy powder shall comply Canadian Standard Association (CSA) Standard Z245.20-2018. The color of epoxy powder shall be either green or dark red or any other color approved by Company except grey.	Bidder has considered the latest version CAN/CSA Z245.20-2022. Please confirm.	Accepted. Latest edition CAN/CSA Z245.20:2022 may be followed. All other requirements of the tender specification shall remain unchanged.
54		112	3.2.5 of	3.2.5 COATING SYSTEM PROPERTIES	Bidder proposes to bond strength test shall	Accepted. Bond strength test may be carried out using manual peel test equipment (spring-loaded type test assembly) provided all acceptance criteria specified in the coating specification are met.
55	Standard Specification for 3 Layer Polyethylene Coating of Line pipes	117	4.2.7 of 3LPE coating specification	4.2.7. TESTING At least five (5) test pipes, including one (1) pipe partly coated with epoxy and one (1) pipe partly coated with both epoxy and adhesive layers, shall be randomly selected by Company Representative for carrying out PQT as per Table 5.3.1.	There is a contradiction with the requirement stated under the Clause 4.2.1 of coating specification. Bidder understands that Out of 5 (five) test pipes, 1 (one) pipe partly coated with epoxy and partly coated with both epoxy and adhesive layers shall be included. Remaining 4 (four) test pipes shall have all three layers. In accordance with Clause 4.2.1 of coating specification.	Accepted. Bidder's understanding is correct. Out of five (5) PQT pipes, one pipe partly coated with epoxy and one pipe partly coated with epoxy plus adhesive layer shall be included. Remaining pipes shall have complete 3-layer coating as per specification.
56	Standard Specification for 3 Layer Polyethylene Coating of Line pipes	119	4.3.6 of	4.3.6. ACCEPTANCE OF SURFACE PREPARATION Upon Completion of the blasting operations, the Contractor's quality control supervisor shall inspect the pipes for their compliance to requirements specified below: • The surface finish after blast cleaning shall conform to near white metal finish i.e. Sa 2½ of Swedish Standard SIS 055900. • Anchor pattern/roughness profile shall be between 50 to 70 microns. Dust contamination shall be rating max. 2 as per ISO 8502-3.	Bidder propose test frequency shall be as following. • The surface finish (Sa 2½) – each pipe. • Anchor pattern/roughness – once per hour. Dust contamination – once per hour.	Accepted. Surface finish (Sa 2½) shall be checked on each pipe. Anchor profile/roughness and dust contamination testing may be carried out once per hour during continuous production.
57	Standard	120	4.4.1 of 3LPE	4.4. COATING APPLICATION	Bidder clarifies that optical pyrometers are used for pipe	Accepted. Calibration certificate from an

	Specification for 3 Layer Polyethylene Coating of Line pipes		Coating specification	4.4.1. PIPE HEATING d. Temperature of the pipe surface shall be continuously monitored & recorded by using suitable instruments such as infrared sensors, contact thermometers, thermocouples etc. e. Temperature measuring & monitoring equipment shall be calibrated twice every shift and/or as per Company. Representative's instruction.	surface temperature monitoring before coating application. Pyrometers are specialized equipment and are calibrated in specialized equip outside laboratory, so we propose to review the outside lab calibration certificate. However, the pyrometer shall be checked for errors every shift against a calibrated contact type temperature-measuring instrument.	accredited laboratory shall be submitted. In addition, pyrometers shall be verified every shift against a calibrated contact-type temperature measuring instrument and records shall be maintained.
58	Standard Specification for 3 Layer Polyethylene Coating of Line pipes	121	4.4.1 of 3LPE Coating specification	4.4.2.APPLICATION OF EPOXY, ADHESIVE AND POLYETHYLENE Note 4: Unless indicated otherwise in Purchase Order, total thickness corresponding to Normal Type (n) coating shall be applicable	Bidder understands that minimum total coating thickness shall be 1.85 mm and in case of HDPE topcoat 1.70 mm.	Accepted. Bidder's understanding is correct. Minimum total coating thickness shall be as specified under Normal Type coating requirement in the tender specification.
59	Standard Specification for 3 Layer Polyethylene Coating of Line pipes	126	5.3.5 of 3LPE coating specificati on	5.3. TESTING OF COATING 5.3.5. BOND STRENGTH TEST One test shall be performed at cut back portion at each end and one in the middle of test pipe for each specified temperature (i.e. total 6 tests per pipe).	For bond strength at each cut back ends, bidder confirms to comply. Bidder proposes to perform bond strength test at maximum feasible distance from either end instead of middle of the pipe. It is not possible to maintain the test temperature required at the middle of the pipe due to size constraint. Please confirm.	Accepted. Bond strength test may be performed at the maximum feasible distance from pipe ends instead of the middle portion, provided the specified test temperature and acceptance criteria are achieved.
60	Standard Specification for 3 Layer Polyethylene Coating of Line pipes	125	Table 5.3.2 of 3LPE coating specificati on	Table 5.3.2: Testing Requirement During Production Coating Bond Strength: One out of 25 Pipes	Bidder clarifies that the test frequency of Middle peel test is very high. Middle peel test area is repaired by patch repair. From technical point of view bond strength and mechanical strength at patch repair portion is lower than other extruded 3LPE coated portion of the pipe. Hence bidder proposes that peel test at both ends of the pipe shall be carried out one in out of 25 pipes and middle peel test shall be carried out one in out of 50 pipes. Please confirm.	Partially Accepted. Bond strength testing at pipe ends shall be carried out at the specified frequency. Middle peel test frequency may be reduced to one out of 50 pipes. All repairs shall be carried out as per approved repair procedure.
61	Standard Specification for 3 Layer Polyethylene Coating of Line pipes	129	5.6 of 3LPE coating specificati on	5.6 Soluble Salt Measurements After blast cleaning, all pipes shall be tested for salt contamination. One test shall be carried out at each end of each pipe using salt meter (SCM 400 or approved equivalent). The acceptance criteria shall be 2 µg/cm^2.	Bidder proposes that the salt contamination test shall be performed at one end of each pipe. Please confirm.	Accepted. Salt contamination testing may be carried out at one end of each pipe, provided the acceptance criteria specified in the coating specification are met.
62	Standard Specification for 3 Layer Polyethylene	129	5.6 of 3LPE coating specificati on	5.6 Soluble Salt Measurements After blast cleaning, all pipes shall be tested for salt contamination. One test shall be carried out at each end of each pipe using salt meter (SCM 400 or approved equivalent). The acceptance criteria shall be 2 µg/cm^2. Any pipe	Bidder understands that the phosphoric acid wash followed by de-ionized water wash shall be carried out only in case salt contamination level of blast cleaned pipe exceeds 2µg/cm^2. Please confirm.	Accepted. Bidder's understanding is correct. Phosphoric acid wash followed by de-ionized water wash shall be carried out only when salt contamination exceeds the specified limit of 2 µg/cm².

	Coating of Line pipes			having salt contamination exceeding 2 µg/cm^2 shall be treated by phosphoric acid wash followed by de- ionized water wash in accordance with the recommendations of the manufacturer. The Contractor shall submit a detailed procedure for phosphoric acid wash for Company approval.		
63	Standard Specification for 3	138	Annexure II of 3LPE coating	ANNEXURE – II PIPE END PROTECTION. Following are the approved manufacturer for the end seal tape: 1) M/s Dhatec • M/s Seal For Life 2) (Formerly Berry Plastics) OR Equivalent	Bidder propose end seal tape manufactured by Srivasavi Tapes for approval. Please confirm.	Accepted subject to approval. End seal tape manufactured by Srivasavi Tapes may be considered subject to submission of complete technical data, successful application record and approval by VGL.
64	Standard Specification for 3 Layer Polyethylene Coating of Line pipes	142	3LPE coating specification	INSPECTION AND TEST PLAN	Bidder understands that inspection and test plan for 3-layer polyethylene coating of line pipes is for information only. Bidder to follow 3LPE coating specification for all the testing, test frequency and acceptance criteria except the comments / clarification given in this comments sheet.	Accepted. Inspection and Test Plan (ITP) shall be read in conjunction with the coating specification. In case of any conflict, the approved coating specification and mutually agreed pre-bid clarifications shall prevail.
65	-	-	-	ERW specification	Provide the ERW specification for the above referred tender to proceed further.	The subject tender is for API 5L Grade X52N PSL-2 Seamless (SMLS) Line Pipes. Hence, ERW pipe specification is not applicable to this tender. Bidders are requested to submit their offer as per the tender specification.

Note: This Replies to Bidder's Queries as uploaded on n-Procure & VGL's Website. Please upload the same duly Sign and Seal with Techno–Commercial Bid as this is an Integral Part of the Tender.