ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
(A Government of India Enterprise)

PO : Udayan Vihar
Guwahati – 781171, Assam (India)
Phone: +91-361-2594286
Fax: +91-361-264386
Email: bikramjit_singha@oilindia.in
erp_mm@oilindia.in

SAVE FUEL YAANI SAVE MONEY

INVITATION TO e-BID UNDER SINGLE STAGE TWO BID SYSTEM

Tender No. & Date : **SGG9951P16 dated 21.01.2016**

Tender Fee : **INR 6,000.00 OR USD 100.00**

Bid Security : **INR 1,28,700.00 OR USD 1900.00**

Bidding Type : **SINGLE STAGE TWO BID SYSTEM**

Bid Closing on : **20.04.2016 at 11.00 Hrs (IST)**

Bid Opening on : **20.04.2016 at 14.00 Hrs (IST)**

Bid Validity : **Bid should be valid for 180 days from bid closing date.**

Bid Bond Validity : **Bid Bond should be valid upto 20.04.2017.**
(Bid bond format has been changed. Please submit bid bond as per revised format)

Performance Guarantee : **Applicable @ 10% of order value.**

Integrity Pact : **Applicable**

OIL INDIA LIMITED invites electronic bids under SINGLE STAGE TWO BID System through its e-procurement site for the item detailed below –

ITEM NO. / MATERIAL CODE	MATERIALS DESCRIPTION	QTY	UNIT
10 / 99072974	PRIMER, LIQUID ADHESIVE, BLACK, QUICK DRY. *(Technical Specification as per Annexure – AA)*	400	LITRE
20 / 99072975	TAPE, CO-EXTRUDED POLYTHYLENE *(Technical Specification as per Annexure – AA)*	2200	ROLL
30 / 99073129	MASTIC COMPOUND, PUTTY FILTER *(Technical Specification as per Annexure – AA)*	65	PAC
40 / 99074835	HAND WRAPPING TOOL FOR COLD APPLIED TAPE COAT *(Technical Specification as per Annexure – AA)*	1	NO
50 / 99073130	SELFHEALING MONOLITHIC POLYMER WRAP COAT *(Technical Specification as per Annexure – AA)*	35	PAC

The general details of tender can be viewed by opening the eRFx [Tender] under RFx and Auctions in the e-portal site through Guest Login. The details of tendered items can be found in the Item Data and details uploaded under Technical RFX. The bidding document is available in the Technical RFx -> External Area - > Tender Documents.

A. STANDARD NOTES:

1.0 The tender will be governed by "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendments & Addendum to "General Terms & Conditions" for e-Procurement.

2.0 This Bidding document consists of :

(i)	Annexure AA	: Technical Specifications
(ii)	Annexure BB	: Bid Rejection Criteria / Bid Evaluation Criteria
(iii)	Annexure CC	: Commercial Check List
(iv)	Annexure DD	: Bank Details

MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) have been uploaded separately in the Technical RFx -> External Area - > Tender Documents.

3.0 Application showing full address/email address with Tender Fee (Non-refundable) of Rs. 6,000.00 or USD 100.00 in favour of M/s Oil India Limited and payable at Guwahati is to be sent to Chief Material Manager (PL), Oil India Limited (Pipeline Headquarter), P.O. Udayan Vihar, Guwahati -781171. **Application shall be accepted only upto one week prior to the bid closing date (or as amended in e-portal)**. The envelope containing the application for participation should clearly indicate "REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO …" for easy identification and timely issue of user ID and password *(For bidders having existing user id and password issued by OIL, same may be used for submission of bid after payment of tender fee)*. On receipt of requisite tender fee, USER_ID and initial PASSWORD will be communicated to the bidder (through e-mail) and will be allowed to participate in the tender through OIL's e-Procurement portal. No physical tender documents will be provided. Details of the tender can be viewed using "Guest Login" provided in the e-Procurement portal. The link to e-Procurement portal has been also provided through OIL's web site www.oil-india.com.

NOTE: PSUs and SSI units are provided tender documents Free of Cost (as per Govt. guidelines), however they have to apply to OIL's designated office to issue the tender documents before the last date of sale of tender document mentioned in the tender.

4.0 **Tender Fee and Bid Security can also be paid through payment gateway in the e-tender portal.** Please refer to Vendor User Manual updated in the e-tender portal as well for further details.

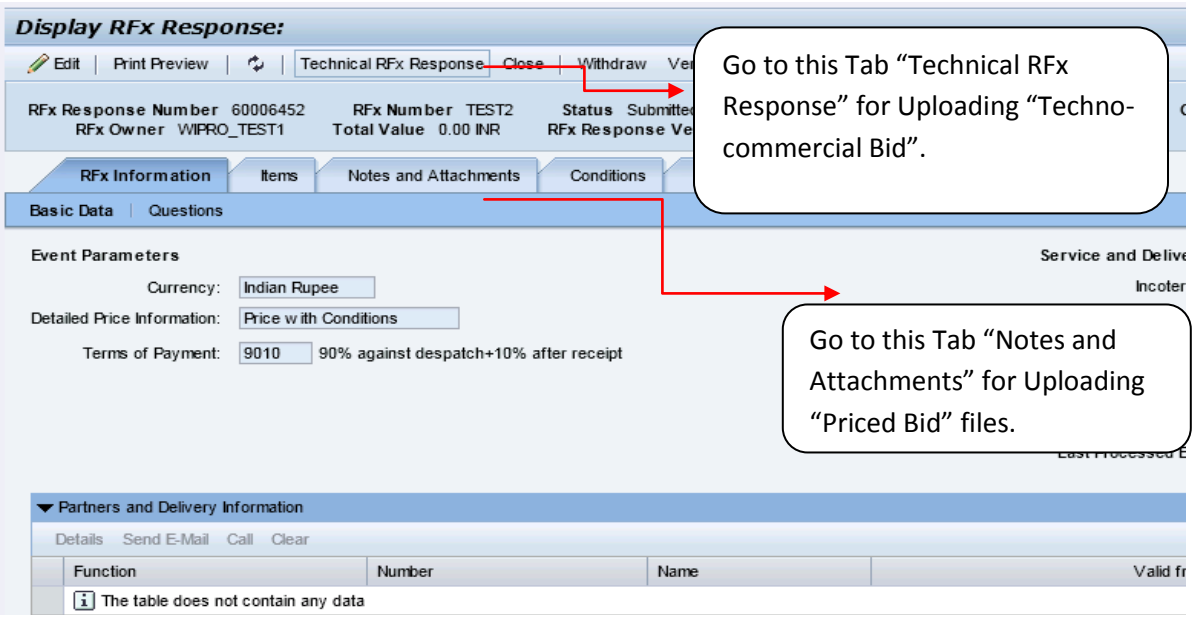
5.0 **Nil custom duty shall not be applicable against this tender. Indigenous bidders are requested to quote non Deemed Export prices.**

6.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with Tender no. and Due date to **The Chief Materials Manager (PL), Oil India Limited (Pipeline Headquarter), P.O. Udayan Vihar, Guwahati -781171** before 14.00 Hrs. IST on the Bid Closing Date mentioned in the Tender.

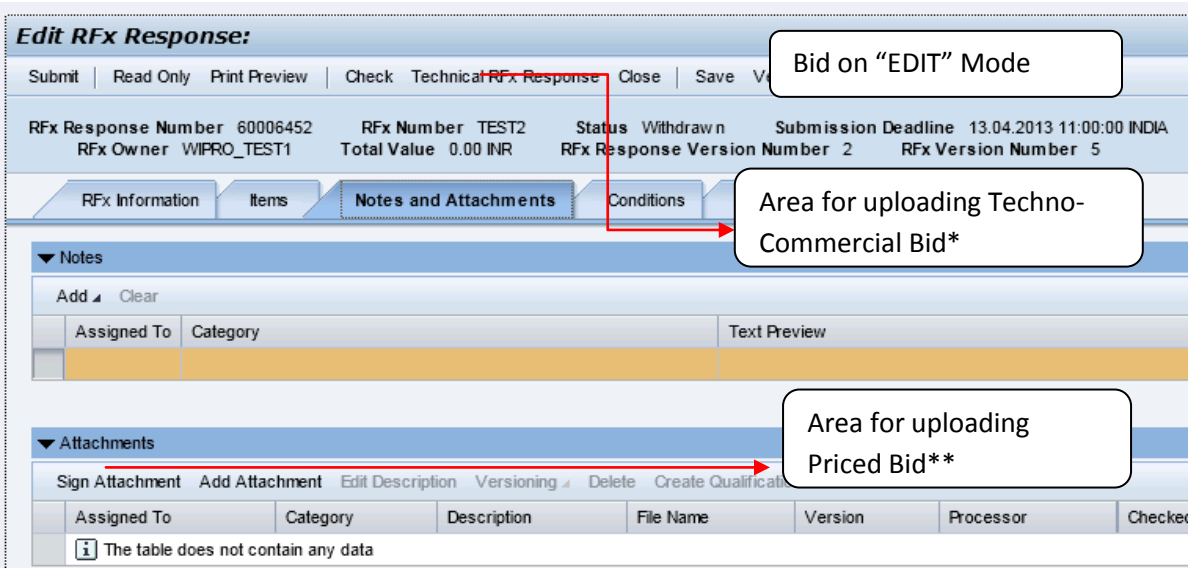
a) Original Bid Security.
b) Any other document required to be submitted in original as per tender requirement.

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in triplicate.

7.0 In case of SINGLE STAGE-TWO BID SYSTEM, bidders shall prepare the "Techno-commercial Unpriced Bid" and "Priced Bid" separately and shall upload through electronic form in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The "Techno-commercial Un-priced Bid" shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Bid format / Commercial bid to be uploaded as attachment in the Attachment Tab "Notes and Attachments". **A screen shot in this regard is given below.** Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.



On "EDIT" Mode- The following screen will appear. Bidders are advised to upload "Techno-Commercial Un-priced Bid" and "Priced Bid" in the places as indicated above:



8.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.

9.0 **All the Bids must be Digitally Signed using "Class 3" digital certificate (e-commerce application) with organisation name as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.**

10.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that all documents which are to be submitted in a sealed envelope are also submitted at the address mentioned in note 6.0 above before **14:00 Hrs (IST)** on the bid closing date failing which the offer shall be rejected.

11.0 **Two Bid System** shall be followed for this tender and only the price-bids of the bidders whose offers are commercially and technically acceptable shall be opened for further evaluation.

12.0 Other terms and conditions of the tender shall be as per General Terms and Conditions for Global Tender (MM/GLOBAL/E-01/2005). However, if any of the clause of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) contradicts the clauses in the General Terms & Conditions of Global Tender of the tender and/or elsewhere, those mentioned in the BEC / BRC shall prevail.

13.0 In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidder who has already submitted the bid on or before the original B.C. date shall not be permitted to revise their quotation.

14.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer may be summarily rejected.

15.0 **The Integrity Pact is applicable against this tender**. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide **Annexure XII** of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. **The name of the OIL's Independent External Monitors at present are as under:**

SHRI RAGHAW SHARAN PANDEY, IAS (Retd.),
Former Secretary, MOP & NG,
e-Mail ID : rspandey_99@yahoo.com

SHRI RAJIV MATHUR, IPS (Retd.)
Former Director, IB, Govt. of India,
e-Mail ID : rajivmathur23@gmail.com

16.0 No press advt. will be published regarding amendment to Bidding Document or extension of Bid Closing Date. The same will be uploaded in OIL's website and informed to all prospective bidders who have received the bidding documents. Bidders to keep themselves updated.

B. SPECIAL NOTES

i. **Testing and Inspection:** All the properties mentioned in the specification (Annexure – AA) shall be tested at manufacturer's works place with their in house test facilities as per applicable standard. The testing shall be witnessed by OIL approved Third party inspection agency and /or OIL Representative. The supplier shall submit the copy of test certificates duly witnessed and endorsed by OIL approved Third party inspection agency.

ii. **Marking:** Following shall be clearly marked on the material in ENGLISH.

(a) TYPE / TRADE NAME
(b) WIDTH OF THE TAPE IN METRIC UNIT
(c) LENGTH OF THE TAPE IN METRIC UNIT
(d) REFERENCE NUMBER / BATCH NUMBER
(e) MANUFACTURING DATE, SHELF LIFE OF TAPE
(f) HEALTH HAZARDS ASSOCIATED & HANDLING INSTRUCTION

iii. **Packaging**: All material shall be supplied in unit quantities, which can be easily handled by the applicators. The packaging shall be such that during transportation and storage at owner's stores and subsequent transportation and handling at site, full quantity and performance of the material is retained.

iv. **Data to be furnished:** The supplier shall submit the following information along the supplied material.

(a) Maximum exposure time of applied tape before backfilling.

(b) Recommended time lag (Maximum and Minimum) between application and cleaning of the carrier pipe and Tape.
(c) Application procedure of the tape system i.e. inner tape & outer tape.

v. **Application Guideline:**

Tape shall be able to give adequate adhesion to steel when applied over pipe surface prepared up to a level of St 2/st.

Supplier to provide all technical details, application procedure and guidelines for use of coating system along with the supply of materials. Detailed instructions for application of tape by hand application / machine application shall be indicated clearly.

The supplier shall provide assistance in demonstrating the proper method of application of coating system as required by OIL without any extra charge. During initial application of approximately 100 m length of pipeline supplier shall depute his representative / applicator to demonstrate / guide the field applicator so that allocated material inner tape, outer tape, is applied as per material guidelines to achieve the desired properties / protection of pipeline.

vi. Compatibility of Environment: The coating system to be supplied shall be compatible with the environment and shall be suitable for application in RoW having soil of varied characteristics.

vii. Material Safety Data Sheet (MSDS) to be provided.

viii. Bidder should be Manufacturer of the items offered (OEM) or Manufacturer's authorised agent with valid certificate.

ix. The bidder must provide evidence of supplying similar material to organizations for use in oil/gas pipelines along with performance certificate from client.

x. Material shall be as per applicable Std. DIN 12068 (Latest edition).

xi. Tolerance of +/- (Plus or minus) 10% is acceptable for values given for coverage & container capacity.

xii. "Dry film thickness'' to be read as "wet film thickness".

xiii. **Item no 10, 20, 30 and 40 shall be procured from same source to maintain adhesive compatibility amongst the coating materials. Bidders to quote accordingly.**

xiv. **DELIVERY: Delivery of the materials must be completed within 20 weeks. However, Bidder to quote their best delivery period.**

Sd-
(M.B. SINGHA)
DEPUTY MANAGER MATERIALS (PL)
FOR CHIEF MANAGER MATERIALS (PL)
FOR: GROUP GENERAL MANAGER (PLS)

TECHNICAL SPECIFICATIONS

ITEM NO.	TECHNICAL DETAILS
10 99072974	**PRIMER, LIQUID ADHESIVE, BLACK, QUICK DRY.** The primer shall consist of a mixture of butyl rubber, synthetic compound and a solvent. The primer shall be applied to the appropriately prepared pipe surface before application of inner layer tape. The function of primer is to provide a bonding medium between the pipe surface and the inner layer tape. The primer shall be quick drying type; the maximum drying time shall not be more than 30 minutes. The primer shall be suitable for brush application as well as machine application. The coverage of the primer shall be 7sq.m per litre and the shelf life of the primer shall be 3 years. The primer shall comply with the requirement of latest DIN EN 12068 (stress class #C) Standard and shall be free from any health hazard during storage and application. The offered primer shall be compatible with the offered tape and shall be suitable for application at temperature ranging from 0º C to 60º C and operation of the coated pipe from temperatures ranging from 0º C to 50º C. Dry film thickness of the primer shall be 40-80 microns. **NOTE: THE PRIMER SHALL BE SUPPLIED IN GOOD QUALITY CONTAINERS OF 20-25 LITERS CAPACITY HAVING PROPER CAPING FACILITY**. **Material Safety Data Sheet shall be supplied with the primer**. **Properties** / **Unit** / **Value** Colour: / Black Density: / g /cc / >=0.78 Total solid contents: / % / 20-26 Coverage: / Ltr/Sqm / 0.14(average) Application temperature: / Deg C / From # 30 to 60 Drying time at 23 deg C: / Minutes / 10 to 30 Shelf life: / Years / 3
20 99072975	**TAPE, CO-EXTRUDED POLYTHYLENE** The tape shall be Co-Extruded Polyethylene Tape suitable for cold application OR Extruded hot calendared Polyethylene tape suitable for cold application. The inner tape shall have the butyl rubber adhesive on both sides and the outer tape shall have butyl rubber adhesive on one side only. A non-sticking separator strip (release film) shall be provided in the rolls to eliminate sticking of adhesive when the tape is in roll form. The consistency of the adhesive layer shall be such that under tension it flows on uneven steel surfaces. The adhesive layer shall be completely compatible with the properties of the primer. The inner tape must be self-amalgamating with the inner layer of outer Tape. It shall be standard product of the supplier having established history of excellent performance. **PROPERTIES**: The physical properties of the tape shall be as given below - **Parameters** / **Value/ Requirement** / **Unit** / **Test Method** Application temperature- / 0º C to + 60º C / Deg.C / ASTM G12 Operating Temperature- / 0º C to + 50º C / Deg.C / ASTM G12 Total coating Thickness - / 2.5 to 3.0 / mm /

	<u>Thickness of Inner layer Tape</u>		
	Thickness of adhesive facing the steel pipe-	0.178	mm	ASTM D1000
	Thickness of backing (carrier film)-	0.305	mm	ASTM D1000
	Thickness of adhesive facing the Outer layer tape-	0.152	mm	ASTM D1000
	Total Thickness -	0.635	mm	
	<u>Thickness of the outer layer Tape</u>			
	Thickness of adhesive facing the inner layer tape-	0.305	mm	ASTM D1000
	Thickness of backing (carrier film)-	0.33	mm	ASTM D1000
	Total Thickness -	0.635	mm	ASTM D1000
	Width of the tape-	100	mm	ASTM D1000
	Deviation in width-	±1.5		ASTM D1000
	Impact Resistance- (10 impacts at least)	No holiday with a test voltage of 15 KV		DIN EN 12068 Annex-H
	<u>Indentation Resistance pressure (test condition)</u>			
	at 23º C.	10	N/mm²	DIN EN12068 Annex-G
	at 50 ºC	10	N/mm²	DIN EN12068 Annex-G
	Remaining thickness.	0.6(Min)	mm	
	Holiday Detection	Pass		
	<u>Thermal Ageing resistance</u>			
	Ratio of tape strength -	1.25 >= S100 / S0 >= 0.75. S100 / S70 >= 0.8		
	Ratio of bursting strength -	1.25 >= B100 / B0 >= 0.75 B100 / B70 >= 0.80		
	Elongation at Break -	1.25 >=E100 / E0 >= 0.75 E100 / E70 >= 0.80		
	Peel Strength layer to layer -	P100 / P50 >= 0.75 P100 / P70 >= 0.80		
	Peel Strength to pipe Surface -	A100 / A50 >= 0.75 A100 / A70 >= 0.80		
	<u>Specific electrical wrapping resistance</u>			
	R_{s100} -	10 to the power 8	Ω-m2	DIN EN 12068 Annex-J
	R_{s100} / R_{s70} -	> 0.8	Ω-m2	DIN EN 12068 Annex-J
	Cathodic Disbondment at 23ºC-	15(max)	mm	DIN EN 12068 Annex-K
	<u>Adhesion strength at 23ºC</u>			
	Inner layer to primed pipe-	0.75 (min)	N/mm	DIN EN 12068 Annex-C
	Inner layer to existing CTE / 3 LPE/Coal Tar Tape coating-	0.4 (min)	N/mm	DIN EN 12068 Annex-C
	<u>Layer to Layer</u>			
	Inner to Inner + Outer to Inner-	1.5 (min)	N/mm	DIN EN 12068 Annex-B
	Outer to Outer -	0.2 (min)	N/mm	DIN EN 12068 Annex-B
	<u>Adhesion strength at 50ºC</u>			
	Inner layer to primed pipe-	0.075 (min)	N/mm	DIN EN 12068 Annex-C
	Inner layer to existing CTE /3 LPE/Coal Tar Tape coating-	0.04 (min)	N/mm	DIN EN 12068 Annex-C

	Layer to Layer			
	Inner to Inner+Outer to Inner-	0.2(min)	N/mm	DIN EN 12068
	Outer to Outer -	0.2 (min)	N/mm	DIN EN 12068
	LAP shears strength between wrapping and metal surface of existing coating @ 50ºC. -	0.05(min)	N/mm2	DINEN 12068 Annex-D
	Shelf Life -	5 years (min)		
	Storage temperature -	0º C to +50º C	Deg C	
	NOTE: Tapes to be provided in Rolls of 30 m each for Inner and Outer wrap.			

30
99073129

MASTIC COMPOUND, PUTTY FILTER

The Mastic Compound shall be in the form of Putty Filler. The mastic compound shall be suitable filling the irregularities on pipe surface and in areas around weld reinforcements prior to wrapping with anti-corrosion tapes and shall be suitable for molding around irregular profiles such as flanges, mechanical joints and valves to provide a contour suitable for wrapping with anti-corrosion tapes. It shall be compatible with primer consisting of a mixture of butyl rubber, synthetic compound and a solvent normally used with cold applied coating tapes. It shall have high electrical corrosion resistance to protect API quality steel pipe and pipe fittings even without an overlaying coating tape and shall have excellent Cathodic disbondment characteristics and normal temperature. The Mastic compound shall be suitable for cold application in a wide range of climatic conditions. The Mastic compound shall be self-supporting for sealing, filling and caulking applications where protective, waterproof and non-setting mastic is required.

COMPOSITION: Petrolatum compound containing inert siliceous fillers and vegetable fibers. It should not contain any volatile organic solvents.

TYPICAL PROPERTIES	**DATA**
Colour -	Green/Brown
Specific Gravity -	1.39
Specific Volume -	720 cm3/kg
Flash Point -	>180°C
Temperature Range -	0°C to 70°C
For Application -	90°C maximum
For Service -	API quality hydrocarbon transportation pipe and pipe fittings 3kg Blocks
PACKING	Extruded Rounds Strips 330mm long x 50mm diameter And /or Extruded Triangular Strips 330mm long x 50mm x 50mm x 70mm
RECOMMENDED PRIMER	Compatible with primer consisting of a mixture of butyl rubber, synthetic compound and a solvent normally used with cold applied coating tapes. Where required to use Primer.

40
99074835

HAND WRAPPING TOOL FOR COLD APPLIED TAPE COAT

50
99073130

SELFHEALING MONOLITHIC POLYMER WRAP COAT

The coating system consists off two separate ROLL of:

i) An inner layer Visco elastic polymer tape to be spirally wrapped with an overlap of 10mm and
ii) An outer layer PVC tape (2 ply type) for mechanical protection to be spirally wrapped with a 50% overlap.

The inner tape shall be manufactured from Visco elastic polymer to be applied on steel surface prepared by hand brushing or power wire brushing to a cleanliness of St-2/St-3.

The Visco elastic polymer shall be poly isobutylene based with fabric reinforcement. A non-sticking separator strip (release film) shall be provided in the rolls tape to eliminate sticking of Visco elastic adhesives when the tape is in roll form. The consistency of the Visco elastic adhesive layer shall be such that when applied without tension it flows on uneven steel surfaces

The adhesive layer shall have self healing properties.

The tape shall be supplied in ROLL form of the following sizes

Width:	200 mm to 250 mm
Roll Length:	20 meters to 30 meters
Thickness of the tape:	1.5 mm
Application:	By hand wrapping
Ambient temperature range:	+10 to +500C
Steel Surface temperature range:	+5 to +700C

Properties of the Visco-elastic tape shall be as follows:

Property	Test temp	Unit	Requirements	Test Method
Minimum thickness-	23 °C	mm	>1.5mm	ISO21809-3 Annex A
Glass transition Temperature -		°C	< -600C	ISO 21809-3 Annex E
Melting Point point present -		°C	No melting	ISO 21809-3 Annex E
Holiday detection at 5 kV/mm + 5 kV-			No holiday	ISO 21809-3 Annex B
Drip resistance of compound -	Tmax+ 15°C		No dripping	ISO 21809-3 Annex J
Peel strength test to steel and to plant coating before and after thermal ageing resistance and hot water immersion test both for 100 days at Tmax + 20°C -	23°C	N/mm²	>=0.2	ISO 21809-3 Annex D
	Tmax	N/mm²	>=0.02	ISO 21809-3 Annex D
Cohesive failure and Lap shear strength -	23 °C	N/mm²	>=0.02	ISO 21809-3
	Tmax	N/mm²	>=0.002	ISO 21809-3
Density -	23 °C	gm/cc	1.4-1.6	DINEN1833
Elongation -	23 °C	%	>100	ASTM D-1000
Moisture absorption -	23 °C	%	<0.03	ASTM D-570
Permeability -	23 °C	g/m2/24hrs	<0.25	ASTM E-96
Specific electrical Resistance -	23 °C	Ω-m2	>109	EN12068

Outer wrap PVC tape:

Outer wrap tape shall be a 2 ply tape manufactured from Polyvinylchloride backing with a butyl rubber based adhesive layer.

The outer wrap tape shall be fully compatible with the properties of the inner wrap tape. The tape shall be applied with a 50% overlap and shall bond effectively to the inner visco elastic tape and to itself between its layers at the overlaps

The tape shall be supplied in ROLL form of the following sizes:

Width:	100 mm to 150 mm
Roll Length:	30 meters to 40 meters
Thickness of the tape:	> 0.5mm
Application:	By hand wrapping
Ambient temperature range:	+10 to +500C

Properties of the outer PVC tape layer shall be as follows

Property	Test Temp.	Unit	Requirements	Test Method
Peel strength				
Outer layer to outer layer -	23 °C	N/mm	>=0.40	ISO21809-3 Annex M
Outer layer to outer layer -	Tmax	N/mm	>=0.04	ISO 21809-3 Annex M
Outer layer to backing polyolefin coating -	23 °C	N/mm	>=0.2	ISO21809-3 Annex M
Outer layer to backing polyolefin coating-	Tmax	N/mm	>=0.02	ISO21809-3 Annex M
Elongation at break (E100/E0) after thermal ageing test for 100 days at Tmax + 20 °C - 23 °C			0.9	ISO 21809-3 Annex N.1
Peel strength (P#100/P#0) after thermal ageing test for 100 days at Tmax + 20 °C.				
- outer layer to outer layer -	23 °C		0.7	ISO 21809-3 Annex N.2 and Annex D
- outer layer to backing polyolefin coating	23 °C		0.7	ISO 21809-3 Annex N.2 and Annex D
Tape thickness		mm	0.5 +/- 0.055	

Functional Properties of the coating system :

The visco elastic tape coating system shall meet the following as installed functional properties

Property	Test Temp.	Unit	Requirements	Test Method
Indentation resistance, Pressure -	23 °C and Tmax		N/mm² 1.0	ISO 21809-3 Annex H
Holiday detection at 5 kV/mm + 5 kV -	23 °C and Tmax		No holiday	ISO 21809-3 Annex H
Residual thickness -	23 °C and Tmax	mm	>=0.6	ISO 21809-3 Annex H

Specific electrical insulation resistance				
R_{S100}	23 °C	Ωm²	>=10^8	ISO 21809-3 Annex K
R_{S100}/R_{S70}	23 °C	Ωm²	>=0.8	ISO 21809-3 Annex K
Cathodic disbondment resistance at 28 days -	23 °C and Tmax	mm	0 mm, no holiday, self healing	ISO 21809-3 Annex F and Annex B and 18.5.7
Impact resistance -	20 °C	J	>= 8	ISO 21809-3 Annex G

Surface Finish Requirement:
Tape shall be able to give adequate adhesion to steel as specified under clause 2.1 when applied over pipe surface prepared up-to a level of St-2/St-3 with no specific surface profile requirement.

Application guidelines
Detailed instruction for application of visco elastic tape system shall be furnished by the tape manufacturer.

Prior to back-fill the applied tape coating shall be subjected to the following tests as per approved QA / QC procedure:

(a) Applied overall thickness using a digital thickness gauge.
(b) Holiday testing at 15KV.
(c) Peel / Adhesion test

During start up of application, tape manufacturer shall depute his representatives to demonstrate / guide the field applicators of the Contractor for a minimum length of 500 meters to ensure that the coating is applied correctly.

Test Certificate:
Visco Elastic tape system tape shall be certified from International European / American reputable Independent test lab for all properties mentioned above.

Track Record:
Tape manufacturer to furnish details of the tape being offered indicating the supply record of the offered brand of tape to Petroleum & Gas pipeline Operators like (IOCL, ONGC, Shell, GASCO, Gaz- de France, Saudi Aramco etc) during last 7 years.

Quantity supplied
Brand Name and type of coating material.

Marking:
Following shall be marked clearly on the packing in ENGLISH

- TYPE / TRADE NAME.
- WIDTH, LENGTH OF THE TAPE IN METRIC UNIT
- REFERENCE NUMBER / BATCH NUMBER
- DATE OF MANUFACTURING, SHELF LIFE OF TAPE
- HEALTH HAZARDS ASSOCIATED & HANDLING INSTRUCTION.

Packaging:
All material shall be supplied in unit quantities, which can be reasonably handled by the applicators. The packaging shall be such that during transportation and storage at the Contractor's store and subsequent transportation and handling at site, full quantity and performance of the material is retained.

	<u>Data to be furnished by Tape Manufacturer:</u> The tape manufacturer shall submit the following information along with his offer: (a) Maximum exposure time of applied tape before backfilling. (b) Recommended time lag (Maximum and minimum) between application of Visco elastic tape and the outer 2 ply tape. (c) Application procedure of the tape system. (d) Application procedure of moldable Visco elastic putty. (e) Application techniques to be followed for coating on clamps/sleeves and heavily corroded areas. (f) Coating repair method. (g) Compatibility with impressed current Cathodic protection system. (h) Field test and inspection procedure of the coating including list of instrument for field-testing.

ANNEXURE - BB

BID REJECTION CRITERIA & BID EVALUATION CRITERIA

A. BID REJECTION CRITERIA

The bids must conform to the specifications, terms and conditions given in the tender. Bids shall be rejected in case the items offered do not conform to the required minimum/ maximum parameters stipulated in the technical specifications and to the respective international /national standards wherever stipulated.

Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the offer/ offers will be considered as non-responsive and is/are liable to be rejected, if the following conditions are not fulfilled:

1.0 **TECHNICAL**

1.1 Bidder shall be either a manufacturer or a supplier, authorized by manufacturer of the materials as quoted for. The quoted materials shall conform to as per specifications and applicable/relevant Codes or Standards.

1.2 The bidder must have experience of supplying the specified material and/or similar material for coating of cross-country hydrocarbon pipelines of minimum length 500 inch-km (Pipe size in inch X length of pipeline in KM) conforming to applicable/ relevant Codes or standards during last 7(Seven) years ending bid closing date.

1.3 In case the bidder is a manufacturer:

1.3.1 The manufacturer shall be a regular manufacturer of the materials of same brand as quoted for.

1.3.2 The manufacturer shall have manufactured and supplied the materials of offered type since last ten years reckoned from the date of commencement of sale of bidding document.

1.4 In case the bidder is a supplier, authorized by the manufacturer, the following criteria shall be met by the bidder:

1.4.1 The bidder shall supply the materials produced by an established manufacturer, who meets the qualification requirements stipulated under clauses 1.1 to 1.3.2.

1.4.2 The bidder shall furnish an authority certificate from the manufacturer, confirming the bidder's status as their authorized supplier. The authority certificate shall be valid up to the completion tenure of order as per the bid document.

1.4.3 The bidder shall furnish from the manufacturer a certificate to the effect that the manufacturer as a policy do not quote directly and their materials are quoted by authorized suppliers only.

1.4.4 One manufacturer can quote only through one supplier.

1.4.5 One supplier can quote based on an authority letter from one manufacturer only.

1.4.6 The bid shall be liable for rejection, incase of any change of the manufacturer for the aforesaid materials after submission of bid.

1.4.7 The manufacturer or supplier shall furnish documentary evidence such as purchase order, inspection release note, completion certificate of relevant previous supplies/works, product catalogue, reference list of previous supplies and details of manufacturing, inspection & testing facilities at proposed mill(s)/coating plant(s), as applicable, in support of meeting the above qualification criteria along with the bid otherwise the bid will be considered as non-responsive and hence rejected.

1.4.8 The bidder shall provide credential of offered materials in the form of performance certificate of satisfactory usage/ application of the materials in cross-country hydrocarbon pipelines since last 7(seven) years from owner of hydrocarbon pipelines.

2.0 COMMERCIAL

2.1 Bids are invited under **Single Stage Two Bid System**. Bidders shall quote accordingly under Single Stage Two Bid System. Please note that no price details should be furnished in the Technical (i.e. Un-priced) bid. The "Un-priced Bid" shall contain all techno-commercial details except the prices which shall be kept blank. The "Priced Bid" must contain the price schedule and the bidder's commercial terms and conditions. Bidder not complying with above submission procedure will be rejected.

2.2 **Bid security of INR 1,28,700.00 or USD 1900.00 shall be furnished as a part of the TECHNICAL BID**. **Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration**. For exemption for submission of Bid Security, please refer Clause No. 9.8 (Section A) of General Terms and Conditions for Global Tender. **The Bid Security shall be valid till 20.04.2017.**

2.3 Bidders must confirm that goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of twelve months from the date of commissioning of the complete package at site against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses at no extra cost to OIL.

2.4 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for one year from the date of successful commissioning of the complete package at site. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.

2.5 The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.

2.6 **Validity of the bid shall be minimum 180 days. Bids with lesser validity will be rejected.**

2.7 All the Bids must be Digitally Signed using Class 3 digital certificate (e-commerce application) with organization name as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. **The bid signed using other than Class 3 digital certificate, will be rejected.**

2.8 Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

2.9 Bidders shall quote directly and not through Agents in India. Offers made by Indian Agents on behalf of their foreign principals will be rejected. Similarly offers from unsolicited bidders will be rejected.

2.10 Bids containing incorrect statement will be rejected.

2.11 No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.

2.12 The following points are deemed as "non-negotiable" and offer shall be rejected straightaway without seeking clarification:

i. Validity of bid shorter than validity indicated in the tender.
ii. Original Bid Security not received within the stipulated date and time mentioned in the tender.
iii. Bid security with (a) Validity shorter than the validity indicated in tender and/or (b) Bid security amount lesser than the amount indicated in the tender.
iv. In case the party refuses to sign Integrity Pact.

2.13 Bidders shall meet the technical, financial and commercial criteria as stated above. Bidder shall furnish necessary documentary evidence, along with the bid, to justify meeting the stipulated qualification criteria. In the absence of requisite documents, OIL reserves the right to reject the bid without referring to the bidder.

2.14 Bidders are required to submit the summary of the prices in their commercial bids as per bid format (Summary), given below :

(i) COMMERCIAL BID FORMAT (SUMMARY) FOR FOREIGN BIDDERS :

ITEM NO. / MATERIAL CODE	MATERIALS DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL PRICE
10 / 99072974	PRIMER, LIQUID ADHESIVE, BLACK, QUICK DRY.	400	LITRE		
20 / 99072975	TAPE, CO-EXTRUDED POLYTHYLENE	2200	ROLL		
30 / 99073129	MASTIC COMPOUND, PUTTY FILTER	65	PAC		
40 / 99074835	HAND WRAPPING TOOL FOR COLD APPLIED TAPE COAT	1	NO		
50 / 99073130	SELFHEALING MONOLITHIC POLYMER WRAP COAT	35	PAC		

(A) Total Materials Cost
(B) Packing & FOB Charges
(C) Third Party Inspection Charges
(D) Total FOB Port of Shipment value, (A+B+C) above
(E) Ocean Freight Charges upto Kolkata, India
(F) Insurance Charges
(G) Total CIF Kolkata Port value, (D+E+F)
(H) Total value in words :
(I) Gross Weight :
(J) Gross Volume:

(ii) COMMERCIAL BID FORMAT (SUMMARY) FOR INDIGENOUS BIDDERS :

ITEM NO. / MATERIAL CODE	MATERIALS DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL PRICE
10 / 99072974	PRIMER, LIQUID ADHESIVE, BLACK, QUICK DRY.	400	LITRE		
20 / 99072975	TAPE, CO-EXTRUDED POLYTHYLENE	2200	ROLL		
30 / 99073129	MASTIC COMPOUND, PUTTY FILTER	65	PAC		
40 / 99074835	HAND WRAPPING TOOL FOR COLD APPLIED TAPE COAT	1	NO		
50 / 99073130	SELFHEALING MONOLITHIC POLYMER WRAP COAT	35	PAC		

(A) Total Materials Cost
(B) Packing and Forwarding Charges
(C) Third Party Inspection Charges
(D) Total Ex-works value, (A+B+C) above
(E) Excise Duty, (Please indicate applicable rate of Duty)
(F) Sales Tax, (Please indicate applicable rate of Tax)
(G) Total FOR Despatching station price, (D+E+F) above
(H) Road Transportation charges to destination
(I) Insurance Charges
(J) Total FOR Destination (Guwahati) Value, (G+H +I) above
(K) Total value in words :
(L) Gross Weight :
(M) Gross Volume :

B. BID EVALUATION CRITERIA (BEC):

The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria given below:

1.0 The evaluation of bids will be done as per the Commercial Bid Format (SUMMARY) detailed vide Para 2.14 of BRC.

2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.

3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.

4.0 Deemed export/Custom Duty benefits are not applicable and bidders should furnish prices without considering these benefits.

5.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections/adjustments given herein.

5.1 When only foreign bidders are involved :

Comparison of bids will be done on the basis of "TOTAL VALUE" which is estimated as under:

(A) Total Materials Cost
(B) Packing & FOB Charges
(C) Third Party Inspection Charges
(D) Total FOB Port of Shipment value, (A+ B +C) above
(E) Ocean Freight Charges upto Kolkata, India
(F) Insurance Charges @ 1% of Total FOB Value vide (D) above
(G) Banking Charges @ 0.5% of Total FOB Value vide (D) above in case of payment through Letter of Credit (If confirmed L/C at buyer's account is required, 1.5% of Total FOB Value will be loaded)
(H) Total CIF Kolkata Port Value, (D+ E+F +G) above
(I) Total value in words:

NOTE: Banking charge in the country of the foreign bidder shall be borne by the bidder.

5.2 When only domestic bidders are involved or when more than one domestic bidders are in contention in case of mixed response :

Comparison of bids will be done on the basis of "TOTAL VALUE" which is estimated as under:

(A) Total Materials Cost
(B) Packing and Forwarding Charges
(C) Third Party Inspection Charges
(D) Total Ex-works value, (A + B +C) above
(E) Excise Duty
(F) Sales Tax
(G) Total FOR Despatching station price, (D+E+F)
(H) Road Transportation charges
(I) Insurance Charges @0.5% on Total FOR Despatching Station Value(H) above
(J) Entry tax
(K) Total FOR Destination (Guwahati) value, (G+H+I+J)
(L) Total value in words:

5.3 When both foreign and domestic bidders are involved :

The Total Value of domestic bidder (inclusive of customs duty on imported raw material and components etc, and applicable terminal excise duty on the finished products and Sales Tax) excluding inland transportation to destination and Insurance charges worked out as per Para 5.2 above and Total Value (landed) of the foreign bidder worked out as per Para 5.1 above excluding inland transportation to destination will be compared. No price preference will be allowed to indigenous bidders except that for capital goods, the domestic manufacturers would be accorded a price preference to offset CST to the extent of 4 % or actuals, which ever is less subject to 30 % local content norms as stipulated for World Bank Funded project to the satisfaction of OIL. When more than one domestic bidders fall within price preference range, inter-se-ranking will be done on Total Value basis.

Note: If the Government of India revises these evaluation criteria the same as applicable on the bid closing date will be adopted for evaluation of the offers.

6.0 Other terms and conditions of the enquiry shall be as per General Terms and conditions for Global Tender. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) mentioned here contradict the Clauses in the General Terms & Conditions of Global Tender of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

****