

OIL INDIA LIMITED
 (A Govt. of India Enterprise)
 P.O. Duliajan-786602, Assam.
 Fax No. 91-374-2800533, E-mail:material@oilindia.in

Tender No. & Date : DFD2345L20/06 29.08.2019

Bid Security Amount : INR 0.00 OR USD 0.00
 (or equivalent Amount in any currency)

Bidding Type : Single Bid (Composite Bid)

Bid Closing On : 09.10.2019 at 13:00 hrs. (IST)
 Bid Opening On : 09.10.2019 at 13:00 hrs. (IST)

Performance Guarantee : Applicable

OIL INDIA LIMITED have issued Limited tenders to following parties for items detailed below. For General Terms & Conditions, please refer to Document No. MM/GLOBAL/01/2005 available in OIL's web site:

| Item No./ Mat. Code | Material Description | Quantity | UOM | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|-----------------|------|-------|--------|--|-------|---------|-------|--------|----------------------|---|-------|----------|-----------|---------------|-------------------------|-------|-----------------|-------------------------|---------|----------|------------|-------|---|-----|---|
| 10 99072974 | <p>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.</p> <p>The function of primer is to provide a bonding medium between the pipe surface and the inner layer tape.</p> <p>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 liter 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 0° C to 60° C and operation of the coated pipe from temperatures ranging from 0° C to 50° C. Dry film thickness of the primer shall be 40-80 microns.</p> <p>NOTE: THE PRIMER SHALL BE SUPPLIED IN GOOD QUALITY CONTAINERS OF 20-25 LITERS CAPACITY HAVING PROPER CAPING FACILITY.</p> <p>Material Safety Data Sheet shall be supplied with the primer.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Properties</th> <th style="text-align: left;">Unit</th> <th style="text-align: left;">Value</th> </tr> </thead> <tbody> <tr> <td>Colour</td> <td></td> <td>Black</td> </tr> <tr> <td>Density</td> <td>g /cc</td> <td>>=0.78</td> </tr> <tr> <td>Total solid contents</td> <td>%</td> <td>20-26</td> </tr> <tr> <td>Coverage</td> <td>Ltr / Sqm</td> <td>0.14(average)</td> </tr> <tr> <td>Application temperature</td> <td>Deg C</td> <td>From # 30 to 60</td> </tr> <tr> <td>Drying time at 23 deg C</td> <td>Minutes</td> <td>10 to 30</td> </tr> <tr> <td>Shelf life</td> <td>Years</td> <td>3</td> </tr> </tbody> </table> | 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 | 220 | L |
| 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 | ONE ROLL OF TAPE,CO-EXTRUDED POLYETHYLENE SHALL CONSIST | 394 | ROL | | | | | | | | | | | | | | | | | | | | | | | | |

Tender No. & Date : DFD2345L20/06

29.08.2019

| Item No./ Mat. Code | Material Description | Quantity | UOM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------|----------------------------|-------------|-------------|---------------|--|--|--|-------------|--|--|--|-------------|-----------------|------------|--|-----------|--|--|--|-------------|-----------------|------------|--|---------------|--|--|--|-----------|------------|----|----------|-------------------------------|--|----|------------|--------------|--|--|--|-----------------|--|--|--|------------------|-------|--|--|----------------------|--|--|--|----------------|-------|--|--|-----------------------|--|--|--|------------------|--|--|--|-------------|-------|--|--|-----------------|-------|--|--|-----------------------------------|--|--|--|-----------------------|--|--|--|------------------------|--|--|--|-------|-------|--|--|----------------------|--|--|--|----------------|------|--|--|-----------------|-------|--|--|-------------------|-----|--|--|--------------------|------|--|--|--|--|-------------|-----------------|------------------------|--|--|--|---------------------------|--|--|--|-----------|----|-------------------|--------|----------|----|-------------------|-------|----------------------|---------|----|------------|--|--|
| 99072975 | <p data-bbox="268 342 1201 398">OF ONE ROLL OF INNER WRAP AND ONE ROLL OF OUTER WRAP OF SPECIFIED DIMENSIONS AND QUANTITY</p> <p data-bbox="268 432 1201 813">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</p> <table border="1" data-bbox="268 846 1201 2024"> <thead> <tr> <th data-bbox="268 846 555 880">Parameters</th> <th data-bbox="563 846 938 880">Value / Requirement</th> <th data-bbox="946 846 1034 880">Unit</th> <th data-bbox="1042 846 1201 880">Test</th> </tr> </thead> <tbody> <tr> <td data-bbox="268 880 555 913">Method</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 913 555 947">Application</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 947 555 981">temperature</td> <td data-bbox="563 947 938 981">0° C to + 60° C</td> <td data-bbox="946 947 1034 981">Deg.C-----</td> <td></td> </tr> <tr> <td data-bbox="268 981 555 1014">Operating</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1014 555 1048">Temperature</td> <td data-bbox="563 1014 938 1048">0° C to + 50° C</td> <td data-bbox="946 1014 1034 1048">Deg.C-----</td> <td></td> </tr> <tr> <td data-bbox="268 1048 555 1081">Total coating</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1081 555 1115">Thickness</td> <td data-bbox="563 1081 938 1115">2.5 to 3.0</td> <td data-bbox="946 1081 1034 1115">mm</td> <td data-bbox="1042 1081 1201 1115">ASTM G12</td> </tr> <tr> <td data-bbox="268 1115 555 1149">Thickness of Inner layer Tape</td> <td></td> <td data-bbox="946 1115 1034 1149">mm</td> <td data-bbox="1042 1115 1201 1149">ASTM D1000</td> </tr> <tr> <td data-bbox="268 1149 555 1182">Thickness of</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1182 555 1216">adhesive facing</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1216 555 1249">the steel pipe -</td> <td data-bbox="563 1216 938 1249">0.178</td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1249 555 1283">Thickness of backing</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1283 555 1317">(carrier film)</td> <td data-bbox="563 1283 938 1317">0.305</td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1317 555 1350">Thickness of adhesive</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1350 555 1384">facing the outer</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1384 555 1417">layer tape.</td> <td data-bbox="563 1384 938 1417">0.152</td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1417 555 1451">Total Thickness</td> <td data-bbox="563 1417 938 1451">0.635</td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1451 555 1485">Thickness of the outer layer Tape</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1485 555 1518">Thickness of adhesive</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1518 555 1552">facing the inner layer</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1552 555 1585">tape.</td> <td data-bbox="563 1552 938 1585">0.305</td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1585 555 1619">Thickness of backing</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1619 555 1653">(carrier film)</td> <td data-bbox="563 1619 938 1653">0.33</td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1653 555 1686">Total Thickness</td> <td data-bbox="563 1653 938 1686">0.635</td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1686 555 1720">Width of the tape</td> <td data-bbox="563 1686 938 1720">100</td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1720 555 1753">Deviation in width</td> <td data-bbox="563 1720 938 1753">±1.5</td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1753 555 1832">Impact Resistance (10 impacts at least 15 KV</td> <td data-bbox="563 1753 938 1832">No holiday with a test voltage of Annexure H</td> <td data-bbox="946 1753 1034 1832">Should Pass</td> <td data-bbox="1042 1753 1201 1832">DIN EN 12068</td> </tr> <tr> <td data-bbox="268 1877 555 1910">Indentation Resistance</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1910 555 1944">pressure (test condition)</td> <td></td> <td></td> <td></td> </tr> <tr> <td data-bbox="268 1944 555 1977">at 23° C.</td> <td data-bbox="563 1944 938 1977">10</td> <td data-bbox="946 1944 1034 1977">N/mm²</td> <td data-bbox="1042 1944 1201 1977">DIN EN</td> </tr> <tr> <td data-bbox="268 1977 555 2011">at 50 °C</td> <td data-bbox="563 1977 938 2011">10</td> <td data-bbox="946 1977 1034 2011">N/mm²</td> <td data-bbox="1042 1977 1201 2011">12068</td> </tr> <tr> <td data-bbox="268 2011 555 2024">Remaining thickness.</td> <td data-bbox="563 2011 938 2024">.6(MIN)</td> <td data-bbox="946 2011 1034 2024">mm</td> <td data-bbox="1042 2011 1201 2024">Annexure G</td> </tr> </tbody> </table> | Parameters | Value / Requirement | Unit | Test | Method | | | | Application | | | | temperature | 0° C to + 60° C | Deg.C----- | | Operating | | | | Temperature | 0° C to + 50° C | Deg.C----- | | Total coating | | | | Thickness | 2.5 to 3.0 | mm | ASTM G12 | Thickness of Inner layer Tape | | mm | ASTM D1000 | Thickness of | | | | adhesive facing | | | | the steel pipe - | 0.178 | | | Thickness of backing | | | | (carrier film) | 0.305 | | | Thickness of adhesive | | | | facing the outer | | | | layer tape. | 0.152 | | | Total Thickness | 0.635 | | | Thickness of the outer layer Tape | | | | Thickness of adhesive | | | | facing the inner layer | | | | tape. | 0.305 | | | Thickness of backing | | | | (carrier film) | 0.33 | | | Total Thickness | 0.635 | | | Width of the tape | 100 | | | Deviation in width | ±1.5 | | | Impact Resistance (10 impacts at least 15 KV | No holiday with a test voltage of Annexure H | Should Pass | DIN EN 12068 | Indentation Resistance | | | | pressure (test condition) | | | | at 23° C. | 10 | N/mm ² | DIN EN | at 50 °C | 10 | N/mm ² | 12068 | Remaining thickness. | .6(MIN) | mm | Annexure G | | |
| Parameters | Value / Requirement | Unit | Test | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Application | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| temperature | 0° C to + 60° C | Deg.C----- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature | 0° C to + 50° C | Deg.C----- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total coating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thickness | 2.5 to 3.0 | mm | ASTM G12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thickness of Inner layer Tape | | mm | ASTM D1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thickness of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| adhesive facing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| the steel pipe - | 0.178 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thickness of backing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (carrier film) | 0.305 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thickness of adhesive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facing the outer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| layer tape. | 0.152 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Thickness | 0.635 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thickness of the outer layer Tape | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thickness of adhesive | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| facing the inner layer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tape. | 0.305 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thickness of backing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (carrier film) | 0.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Thickness | 0.635 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Width of the tape | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deviation in width | ±1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Impact Resistance (10 impacts at least 15 KV | No holiday with a test voltage of Annexure H | Should Pass | DIN EN 12068 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Indentation Resistance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pressure (test condition) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 23° C. | 10 | N/mm ² | DIN EN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| at 50 °C | 10 | N/mm ² | 12068 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remaining thickness. | .6(MIN) | mm | Annexure G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Tender No. & Date : DFD2345L20/06

29.08.2019

| Item No./ Mat. Code | Material Description | Quantity | UOM |
|------------------------|---|----------|-----|
| | <p>Holiday Detection Pass</p> <p>Thermal Ageing resistance $1.25 \geq S100 / S0 \geq 0.75$. Ratio of - $S100 / S70 \geq 0.8$</p> <p>tape strength or $1.25 \geq S100 / S0 \geq 0.75$. $S100 / S70 \geq 0.8$</p> <p>or - $1.25 \geq B100 / B0 \geq 0.75$ $B100 / B70 \geq 0.80$</p> <p>Elongation at Break $1.25 \geq E100 / E0 \geq 0.75$ $E100 / E70 \geq 0.80$</p> <p>Peel Strength layer to layer $P100 / P50 \geq 0.75$ $P100 / P70 \geq 0.80$ $A100 / A50 \geq 0.75$</p> <p>Peel Strength to pipe Surface $A100 / A70 \geq 0.80$</p> <p>Specific electrical wrapping resistance</p> <p>R_{s100} 10 to the power 8 Ohmxm² DIN EN 12068</p> <p>$R_{s100} / R_{s70} > 0.8$</p> <p>Cathodic Disbondment at 23°C 15(max) mm DIN EN 12068</p> <p>Adhesion strength at 23°C</p> <ul style="list-style-type: none"> - Inner layer to primed pipe 0.75 (min) N/mm - Inner layer to existing CTE / 3 LPE / Coal Tar Tape coating 0.4 (min) N/mm DIN EN 12068 <p>Layer to Layer</p> <ul style="list-style-type: none"> - Inner to Inner + Outer to Inner 1.5 (min) N/mm - Outer to Outer 0.2 (min) N/mm DIN EN 12068 <p>Adhesion strength at 50°C</p> <ul style="list-style-type: none"> - Inner layer to primed pipe 0.075 (min) N/mm - Inner layer to existing CTE / 3 LPE / Coal Tar Tape coating 0.04 (min) N/mm DIN EN 12068 <p>Layer to Layer</p> <ul style="list-style-type: none"> - Inner to Inner+Outer to Inner 0.2(min) N/mm DIN EN 12068 - Outer to Outer 0.2 (min) N/mm <p>LAP shears strength between wrapping and metal surface of existing coating @ 50°C. 0.05(min) N/mm² DIN EN 12068</p> <p>Shelf Life 5 years (min)</p> <p>Storage temperature 0° C to +50° C Deg C</p> <p>Tapes to be provided in Rolls of 30 m each for Inner and Outer wrap.</p> | | |
| 30 99073129 | <p>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</p> | 10 | PAC |

Tender No. & Date : DFD2345L20/06

29.08.2019

| Item No./ Mat. Code | Material Description | Quantity | UOM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---------------------------|-------------|--------|-------------|------------------|------|-----------------|-------------------------|-------------|--------|-------------------|-------------|-----------------|--------------|-------------|-------------------------|---------------------------------------|------------|---------|--|------------|----------------------|-------------------------------|------------------------|----------------------------------|-------------------------------|-----|---|--|--------|--|--|
| | <p>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.</p> <table border="0"> <tr> <td>TYPICAL PROPERTIES</td> <td>DATA</td> </tr> <tr> <td>Colour</td> <td>Green/Brown</td> </tr> <tr> <td>Specific Gravity</td> <td>1.39</td> </tr> <tr> <td>Specific Volume</td> <td>720 cm³/kg</td> </tr> <tr> <td>Flash Point</td> <td>>180°C</td> </tr> <tr> <td>Temperature Range</td> <td>0°C to 70°C</td> </tr> <tr> <td>For Application</td> <td>90°C maximum</td> </tr> <tr> <td>For Service</td> <td>API quality hydrocarbon</td> </tr> <tr> <td>transportation pipe and pipe fittings</td> <td>3kg Blocks</td> </tr> <tr> <td>PACKING</td> <td>Extruded Rounds Strips 330mm long x 50mm diameter And /or Extruded Triangular Strips</td> </tr> <tr> <td>330mm long</td> <td>x 50mm x 50mm x 70mm</td> </tr> <tr> <td>RECOMMENDED PRIMER consisting</td> <td>Compatible with primer</td> </tr> <tr> <td>synthetic compound and a solvent</td> <td>of a mixture of butyl rubber,</td> </tr> <tr> <td>use</td> <td>normally used with cold applied coating tapes. Where required</td> </tr> <tr> <td></td> <td>Primer</td> </tr> </table> | TYPICAL PROPERTIES | DATA | Colour | Green/Brown | Specific Gravity | 1.39 | Specific Volume | 720 cm ³ /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 consisting | Compatible with primer | synthetic compound and a solvent | of a mixture of butyl rubber, | use | normally used with cold applied coating tapes. Where required | | Primer | | |
| TYPICAL PROPERTIES | DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colour | Green/Brown | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Specific Gravity | 1.39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Specific Volume | 720 cm ³ /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 consisting | Compatible with primer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| synthetic compound and a solvent | of a mixture of butyl rubber, | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| use | normally used with cold applied coating tapes. Where required | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Primer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 99074835 | HAND WRAPPING TOOL FOR COLD APPLIED TAPE COAT. | 1 | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Standard Notes: 1) The bidder should be Original Equipment manufacturer (OEM). If the bidder(s) is/are non-manufacturer of tendered item(s), then quotation(s)/bid(s) must be accompanied by dealership certificate/ authorization letter from the manufacturer. Bids without dealership certificate/ authorization letter from manufacturer shall be rejected.

2) The items shall be brand new, unused & of prime quality. Bidder shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 18 months from date of despatch/shipment or 12 months from date of receipt of the items at site which ever is earlier. The defective materials, if any, rejected by us shall be replaced by the supplier at their own expense. Bidders must confirm the same while quoting.

3) The items covered by this enquiry shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Customs Duty against CIF valuing INR 1.00 Lakh and above (or as applicable) & concessional IGST during import will be applicable.

Indigenous bidder shall be eligible for concessional rate of GST (for invoice valuing INR 1.00 Lakh and above or as applicable) against Essentiality Certificate wherever applicable, as per Notification No.3/2017 - Integrated/ Central Tax (Rate) dated 28th June, 2017. However, Indian bidders are requested to quote actual rate of GST with HSN Code.

4) Bidders are required to quote with minimum validity of 90 days from the Bid Closing Date as per NIT requirement. BIDS with lesser validity shall be rejected.

5) Bidders have to indicate the minimum FOB / FCA charges in case of partial order for reduced quantity/items. In case this is not indicated specifically, the charges quoted would be prorated calculated and the same will be binding on the bidder.

6) Bidders are required to mention the weight of each item individually. QUOTATION must be submitted in TRIPLICATE with original company catalogues as well as necessary certificates.

7) Bidders are to quote the Material Value, FOB/FCA Charges upto Port of shipment, Total FOB/FCA value, Ocean Freight/Air Freight Charges upto Kolkata, Indian Agent's Name and its Commission, if any, Payment Terms, Port of Loading, Delivery period, Net. Weight, Gross Weight & Volume, Country of origin with manufacturer's name, etc.

8) Bidders are advised to submit HSN code of the material while submitted their offer.

9) Bidders to take note of clause no.10.1.3 which has been added in Section-C, special terms & conditions for Indian bidders of General Terms and Conditions for Global Tender (MM/GLOBAL/01/2005-July2012) regarding transportation of materials.

10) Bidders to note that Govt. of India under Micro, Small and Medium Enterprises Development (MSMED) Act 2006, has proclaimed the Public Procurement Policy, 2012 with effect from 1st April, 2012 in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries, Departments and Public Sector Undertakings for promotion and development of Micro and Small Enterprises. A new Clause on applicability of Public Procurement Policy for procurement of goods from Micro and Small Enterprises (MSE) in the tender is furnished vide Amendment to General Terms and Conditions for Global Tender (MM/GLOBAL/ 01/2005). Bidders are requested to take note of the same and to submit their offers accordingly wherever applicable.

11) OIL reserves the right to convert the order from FOB Port of export to C&F Kolkata term considering the ocean freight quoted by the bidder in their offer. In case the order is converted to C&F Kolkata port, the Performance Security amount, if applicable, shall also be enhanced considering the quoted ocean freight charges.

12) Bidder should confirm in their quotation that in case of C&F order, their nominated freight forwarder should provide Delivery Order under Single window facility having office of local agent in India at Kolkata and offer 14 days free detention time of container(s) at discharging port.

13) All foreign bidder(s) should note that a new clause on shipment of the goods by sea from port of export to the Indian port (i.e. Kolkata port unless otherwise specified) has been included in the tender through an addendum to "General Terms and Conditions for Global Tender" (MM/GLOBAL/01/2005). The addendum is also available in OIL's Website (www.oil-india.com). Bidder(s) is/are requested to take note of the same and to submit their offer(s) accordingly.

14) The General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" has been amended and the Amendment dated 06.08.2018 has been issued in this regard which is uploaded in OIL Website. Bidders to note the changes made to "The General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" and to submit their offers complying with the same.

15) In view of implementation of GST w.e.f. 01.07.2017, The General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" has been amended and the Addendum dated 21.08.2017 has been issued in this regard which is uploaded in OIL Website. Bidders to note the changes made to "The General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" and to submit their offers complying with the same.

16) PERFORMANCE SECURITY:

Performance Security clause (Clause No. 10.0 of Section-A) of "General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" has been amended and the new clause is detailed in the Amendment dated 25.04.2016 issued to MM/GLOBAL/01/2005. The successful bidder shall submit Performance Security @10% of PO value within 30 days of receipt of the formal purchase order failing which OIL reserves the right to cancel the order. Bidders should undertake in their bids to submit Performance Security as stated above. The bank guarantee issued by the bank must be routed through SFMS platform as per following details:

- a. (i) "MT 760 / MT 760 COV FOR ISSUANCE OF BANK GUARANTEE
- (ii) "MT 760 / MT 767 COV FOR AMENDMENT OF BANK GUARANTEE

THE ABOVE MESSAGE / INTIMATION SHALL BE SENT THROUGH SFMS BY THE BG ISSUING BANK BRANCH TO HDFC BANK, DULIAJAN BRANCH, IFS CODE - HDFC0002118; SWIFT CODE - HDFCINBBCAL.
BRANCH ADDRESS - HDFC BANK LIMITED, DULIAJAN BRANCH, UTOPIA COMPLEX, BOC GATE, JAYANAGAR, DULIAJAN, DIBRUGARH, PIN - 786602.

- b. THE SUPPLIER SHALL SUBMIT TO OIL THE COPY OF SFMS MESSAGE AS SENT BY THE ISSUING BANK BRANCH ALONG WITH THE ORIGINAL BANK GUARANTEE.

17) Price Bid Format:

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

(i) Price Bid Format (SUMMARY) for Foreign Bidders:

- (A) Basic Material Value including TPI Charges,if any(Item Wise):
- (B) Packing & FOB charges (Item Wise):
- (C) FOB Value, A+B:
- (D) Ocean Freight Charges upto Kolkata, India(Item Wise):
- (E) Banking & Insurance, @1.5% of C :
- (F) CIF Value, C+D+E :
- (G) IGST @ 5% on F:
- (H) Compensatory Cess, if any:
- (I) CIF+IGST Landed Value, F+G+H:
- (J) Total Value in words :
- (K) Gross Weight(Item Wise):
- (L) Gross Volume(Item Wise):

(ii) **Price Bid Format (SUMMARY) for Indigenous Bidders:**

- (A) Basic Material Value including TPI Charges,if any(Item Wise):
- (B) Packing & Forwarding charges, if any(Item Wise):
- (C) Total Ex-Works Value, A+B:
- (D) Concessional rate of GST against EC on C:
- (E) Compensatory Cess, if any:
- (F) Total FOR Despatching Station Value, C+D+E:
- (G) Inland Freight Charges upto Duliajan,Assam including GST(Item Wise):
- (H) Transit Insurance Charges @0.5% on F, including GST:
- (I) Total FOR Destination Value, F+G+H:
- (J) Total FOR Destination Value in words :
- (K) Gross Weight(Item Wise):
- (L) Gross Volume(Item Wise):
- (M) Import Content, if any (Item Wise):

Note:

1) Concessional rate of GST @5% against EC shall be applicable if the invoice value is 01 lakh and above.

2) Please indicate HSN Code of the quoted material. Cost of the individual items must be shown separately.

18) **FURNISHING FRAUDULENT INFORMATION/ DOCUMENT:** If it is found that a Bidder has furnished fraudulent document/information, the Bid Security/Performance Security shall be forfeited and the party will be debarred for a period of 3(three) years from date of detection of such fraudulent act, besides the legal action. In case of major and serious fraud, period of debarment may be enhanced.

However, along with the technical bid, bidders must submit duly filled undertaking as per format provided vide, "Annexure-K" as undertaking towards submission of authentic information/documentation as per the format provided below.

Annexure-K

Format of undertaking by Bidders towards submission of authentic information/documents
(To be typed on the letter head of the bidder)

Ref. No _____ Date _____

Sub: Undertaking of authenticity of information/documents submitted

Ref: Your tender No. _____ Dated _____

To,
The HOD-Materials
Materials Deptt,
OIL, Duliajan

Sir,

With reference to our quotation against your above-referred tender, we hereby undertake that no fraudulent information/documents have been submitted by us.

We take full responsibility for the submission of authentic information/documents against the above cited bid.

We also agree that, during any stage of the tender/contract agreement, in case any of the information/documents submitted by us are found to be false/forged/fraudulent, OIL has right to reject our bid at any stage including forfeiture of our EMD and/or PBG and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

Yours faithfully,
For (type name of the firm here)

Signature of Authorised Signatory

Name :

Designation :

Phone No.

Place :

Date :

(Affix Seal of the Organization here, if applicable)

Special Notes : 1.0 Testing and Inspection: All the properties mentioned in the specification 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 viz. M/s. Lloyds/RITES/IRS/Tuboscope Vetco/DNV-GL & Bureau Veritas. The supplier shall submit the copy of test certificates duly witnessed and endorsed by OIL approved Third party inspection agency. **Bidders are requested to quote their prices inclusive of TPI charges, if any.**

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

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

3.0 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.

4.0 Data to be Furnished:The supplier shall submit the following information along the supplied material.

- i. Maximum exposure time of applied tape before backfilling.
- ii. Recommended time lag (Maximum and Minimum) between application and cleaning of the carrier pipe and Tape.
- iii. Application procedure of the tape system i.e. inner tape & Outer tape.

5.0 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.

6.0 **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.

7.0 Bidders are requested to forward categorical compliances to all the above clauses in their bid failing which their offer shall be rejected.

8.0 Bidders are required to submit Material Safety Data Sheet [MSDS] along with their offer.

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

10.0 The bidder/Manufacturer must provide documentary evidence of manufacturing of the specified material / similar material since last 5 years preceding the original bid closing date of this tender.

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

12.0 ALL THE ITEMS ARE TO BE PROCURED FROM SAME SOURCE. EVALUATION OF THE OFFERS SHALL BE DONE ACCORDINGLY. BIDDERS ARE REQUESTED TO QUOTE FOR ALL THE ITEMS ELSE THEIR OFFER SHALL BE REJECTED.

13.0 Bidder should categorically confirm in the bid a delivery schedule within six (06) months, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for dispatch/DELIVERED (AS THE CASE MAY BE) of the items within six (06) months after receipt of formal order(in case of indigenous bidder) failing which their offer will be rejected.

Tender No. : DFD2345L20/06
Tender Date : 29.08.2019
Bid Closing On : 09.10.2019 at 13:00 hrs.(IST)
Bid Opening On : 09.10.2019 at 13:00 hrs.(IST)

Tender issued to following parties only:

| Slno | V_Code | Vendor Name | City/Country |
|------|--------|-------------------------------------|------------------|
| 1 | 103120 | DENSO GmbH | LEVER KUSEN |
| 2 | 103121 | SEAL FOR LIFE INDUSTRIES BVBA | OEVEL (WESTERLO) |
| 3 | 103122 | ALTA ALTENE SRL | BAGNOREGIO |
| 4 | 103518 | WINN & COALES (DENSO) LTD | LONDON |
| 5 | 200370 | DAMODAR PAINTS PVT LTD | KOLKATA |
| 6 | 200488 | STP LIMITED | KOLKATA |
| 7 | 201225 | STP LIMITED | KOLKATA |
| 8 | 201894 | TIKI TAR INDUSTRIES (BARODA) LTD. | VADODARA |
| 9 | 203101 | RAIPUR TAR PRODUCTS | RAIPUR |
| 10 | 203102 | PORWAL TAR PRODUCTS PVT. LTD. | RAIPUR |
| 11 | 204296 | SAINT-GOBAIN VETROTEX INDIA LIMITED | KOLKATA |
| 12 | 204798 | RAYCHEM RPG PRIVATE LIMITED | NEW DELHI |
| 13 | 208752 | PROTOS ENGINEERING CO. PVT. LTD. | MUMBAI |
| 14 | 209486 | BERRY PLASTICS PVT.LTD. | NEW DELHI |
| 15 | 210015 | AMCHEM PRODUCTS PVT.LTD. | NOIDA |
| 16 | 210016 | STOPAQ INDIA | MUMBAI |
| 17 | 210017 | CANUSA CPS | MUMBAI |
| 18 | 210018 | CORR-RAD | MUMBAI |
| 19 | 210955 | SEAL FOR LIFE INDIA PRIVATE LTD | VADODARA |