

**ANNEXURE NO. STE/DS/FITTING/01**

| ANNEXURE NO. SITE/D3/PTT/IND/02 |                 |                                                                                                 |                 |                     |          |                      |                                    |           |
|---------------------------------|-----------------|-------------------------------------------------------------------------------------------------|-----------------|---------------------|----------|----------------------|------------------------------------|-----------|
| Sr No                           | Item            | Size                                                                                            | Matrrial        | Sch                 | Quantity | Dimensional standard | Remarks                            | Total qty |
| <b>1 Pipe</b>                   |                 |                                                                                                 |                 |                     |          |                      |                                    |           |
| 1.1                             | Pipe            | 1/2"(21.3x2.77)                                                                                 | A106 Gr.B       | 40                  | 12 m     | ASME B36.10          | Higher thickness may also be taken | 36 m      |
| 1.2                             | Pipe            | 1"(33.4x3.38)                                                                                   | A106 Gr.B       | 40                  | 10 m     | ASME B36.10          |                                    | 30 m      |
| 1.3                             | Pipe            | 2"(60.3x3.91)                                                                                   | A106 Gr.B       | 40                  | 40 m     | ASME B36.10          |                                    | 120 m     |
| 1.4                             | Pipe            | 3"(88.9x5.59)                                                                                   | A106 Gr.B       | 40                  | 16 m     | ASME B36.10          |                                    | 48 m      |
| 1.5                             | Pipe            | 4"(114.3x6.02)                                                                                  | A106 Gr.B       | 40                  | 2 m      | ASME B36.10          |                                    | 6 m       |
| 1.6                             | Pipe            | 10"(273X9.27)                                                                                   | A106 Gr.B       | 40                  | 2 m      | ASME B36.10          |                                    | 6 m       |
| <b>2 Flange</b>                 |                 |                                                                                                 |                 |                     |          |                      |                                    |           |
| 2.1                             | 2" Flange       | 2", Class 150                                                                                   | A105            | SO Type raised face | 72       | ASME B16.5           |                                    | 216       |
| 2.2                             | 3" flange       | 3", Class 150                                                                                   | A105            | SO Type raised face | 6        | ASME B16.5           |                                    | 18        |
| 2.3                             | 1" Flange       | 1", Class 150                                                                                   | A105            | SO Type raised face | 4        | ASME B16.5           |                                    | 12        |
| 2.4                             | 1" Blind Flange | 1", Class 150                                                                                   | A105            | Raised face         | 4        | ASME B16.5           |                                    | 12        |
| 2.5                             | 4" Flange       | 4", Class 150                                                                                   | A105            | SO Type raised face | 10       | ASME B16.5           |                                    | 30        |
| 2.6                             | 4" blind Flange | 4", Class 150                                                                                   | A105            | SO Type raised face | 2        | ASME B16.5           |                                    | 6         |
| 2.7                             | 8" Flange       | 8", Class 150                                                                                   | A105            | SO Type raised face | 1        | ASME B16.5           |                                    | 3         |
| 2.8                             | 8" Blind Flange | 8", Class 150                                                                                   | A105            | Raised face         | 1        | ASME B16.5           |                                    | 3         |
| <b>3 Fittings</b>               |                 |                                                                                                 |                 |                     |          |                      |                                    |           |
| 3.1                             | Equal Tee, BW   | 2"                                                                                              | A234 WPB / A105 | 3000                | 22       | ASME B 16.9          |                                    | 66        |
| 3.2                             | Reducer, BW     | 2"x1"                                                                                           | A234 WPB / A105 | 3000                | 3        | ASME B 16.9          |                                    | 9         |
| 3.3                             | Reducer, BW     | 3"x2"                                                                                           | A234 WPB / A105 | 3000                | 7        | ASME B 16.9          |                                    | 21        |
| 3.4                             | Elbow, BW       | 2"                                                                                              | A234 WPB / A105 | Sch.40              | 30       | ASME B 16.9          |                                    | 90        |
| 3.5                             | Elbow, BW       | 3"                                                                                              | A234 WPB / A105 | Sch.40              | 5        | ASME B 16.9          |                                    | 15        |
| 3.6                             | Orifice         | 6 mm orifice dia., Orifice plate thickness - 4 mm, Dimension shall be suitable as per 2" Flange | A240 304L       | 4 mm thick          | 5        | ASME B 16.5          |                                    | 15        |

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