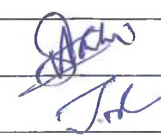
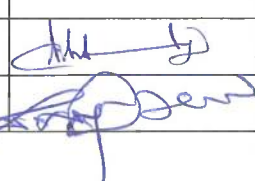
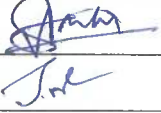
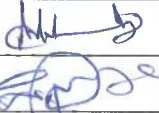
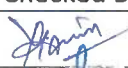
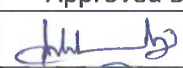


| <b>MATERIAL CODE</b><br>EL8619010018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <br><b>EPD</b> | 1800-01<br>Rev. 00                                                                                                                                                                                                                       | <b>PURCHASE SPECIFICATION FOR DIESEL FORKLIFT</b>                                   |                                                                                      |                                                                                       | ISSUE NO : 06                                                                         |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
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| Page 1 of 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                 |                                                                                                                                                                                                                                          |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| <p><b>PURPOSE:</b> Diesel Forklift 3 T capacity will be used for handling of raw materials and finished products related to SPV 300 MW Module manufacturing plant.</p> <p><b>SCOPE:</b> Scope involves supply and commissioning of forklift of required parameters as detailed below :</p> <table border="1"> <thead> <tr> <th>S/no</th> <th>Parameters</th> <th>Requirement of BHEL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Diesel operated forklift truck with capacity</td> <td>3 Ton at 500 mm load centre.</td> </tr> <tr> <td>2</td> <td>Model No</td> <td>Bidder to specify</td> </tr> <tr> <td>3</td> <td>Qty</td> <td>4 nos</td> </tr> <tr> <td>4</td> <td>Engine</td> <td>4 cylinder, 4 STROKE, Water cooled, BS III complaint industrial diesel engine</td> </tr> <tr> <td>5</td> <td>Transmission</td> <td>Should have manual/gear <b>transmission system</b> with at least two forward and two reverse speeds. <b>Automatic transmission Not acceptable.</b></td> </tr> <tr> <td>6</td> <td>Steering system</td> <td>Feather touch hydrostatic power steering system</td> </tr> <tr> <td>7</td> <td>Hydraulic system</td> <td>Gear type, hydraulic pump driven by engine lift. Tilt, power steering and auxiliary functions. Control levers for lift / lower and auxiliary function. Relief valve protected hydraulic system against pressure rise due to overloading.</td> </tr> <tr> <td>8</td> <td>Frame</td> <td>Precision aligned monocoque construction with Integral fuel and hydraulic tanks.</td> </tr> <tr> <td>9</td> <td>Brakes</td> <td>Hydraulic Brake or Pneumatic assisted Hydraulic Brake</td> </tr> <tr> <td>10</td> <td>Electrical system</td> <td>12V (suitable AH) battery with alternator. Oil sealed and enclosed electric starter.</td> </tr> <tr> <td>11</td> <td>Tyres</td> <td>solid tyre Front 2 nos, Rear 2 nos</td> </tr> <tr> <td>12</td> <td>Travel speed</td> <td>15-20 km/h</td> </tr> <tr> <td>13</td> <td>Lifting speed (Laden)</td> <td>0.30 - 0.60 m/sec</td> </tr> <tr> <td>14</td> <td>Lowering speed (Laden)</td> <td>0.30 - 0.60 m/sec</td> </tr> <tr> <td>15</td> <td>Gradeability (Laden)</td> <td>15% minimum</td> </tr> <tr> <td>16</td> <td>Outer turning radius</td> <td>2300 to 2500 mm</td> </tr> <tr> <td>17</td> <td>Mast</td> <td>2 stage, clear view mast</td> </tr> <tr> <td>18</td> <td>Maximum fork height</td> <td>4000 TO 4500 mm</td> </tr> <tr> <td>19</td> <td>Fork Length</td> <td>2000 mm</td> </tr> <tr> <td>20</td> <td>Fork Spread</td> <td>2500 mm to 1000 mm</td> </tr> <tr> <td>21</td> <td>Travel Speed Laden</td> <td>15-17 K m/hr</td> </tr> </tbody> </table> |                                                                                                 |                                                                                                                                                                                                                                          |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          | S/no | Parameters | Requirement of BHEL | 1 | Diesel operated forklift truck with capacity | 3 Ton at 500 mm load centre. | 2 | Model No | Bidder to specify | 3 | Qty | 4 nos | 4 | Engine | 4 cylinder, 4 STROKE, Water cooled, BS III complaint industrial diesel engine | 5 | Transmission | Should have manual/gear <b>transmission system</b> with at least two forward and two reverse speeds. <b>Automatic transmission Not acceptable.</b> | 6 | Steering system | Feather touch hydrostatic power steering system | 7 | Hydraulic system | Gear type, hydraulic pump driven by engine lift. Tilt, power steering and auxiliary functions. Control levers for lift / lower and auxiliary function. Relief valve protected hydraulic system against pressure rise due to overloading. | 8 | Frame | Precision aligned monocoque construction with Integral fuel and hydraulic tanks. | 9 | Brakes | Hydraulic Brake or Pneumatic assisted Hydraulic Brake | 10 | Electrical system | 12V (suitable AH) battery with alternator. Oil sealed and enclosed electric starter. | 11 | Tyres | solid tyre Front 2 nos, Rear 2 nos | 12 | Travel speed | 15-20 km/h | 13 | Lifting speed (Laden) | 0.30 - 0.60 m/sec | 14 | Lowering speed (Laden) | 0.30 - 0.60 m/sec | 15 | Gradeability (Laden) | 15% minimum | 16 | Outer turning radius | 2300 to 2500 mm | 17 | Mast | 2 stage, clear view mast | 18 | Maximum fork height | 4000 TO 4500 mm | 19 | Fork Length | 2000 mm | 20 | Fork Spread | 2500 mm to 1000 mm | 21 | Travel Speed Laden | 15-17 K m/hr |
| S/no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Parameters                                                                                      | Requirement of BHEL                                                                                                                                                                                                                      |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Diesel operated forklift truck with capacity                                                    | 3 Ton at 500 mm load centre.                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Model No                                                                                        | Bidder to specify                                                                                                                                                                                                                        |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Qty                                                                                             | 4 nos                                                                                                                                                                                                                                    |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Engine                                                                                          | 4 cylinder, 4 STROKE, Water cooled, BS III complaint industrial diesel engine                                                                                                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Transmission                                                                                    | Should have manual/gear <b>transmission system</b> with at least two forward and two reverse speeds. <b>Automatic transmission Not acceptable.</b>                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Steering system                                                                                 | Feather touch hydrostatic power steering system                                                                                                                                                                                          |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Hydraulic system                                                                                | Gear type, hydraulic pump driven by engine lift. Tilt, power steering and auxiliary functions. Control levers for lift / lower and auxiliary function. Relief valve protected hydraulic system against pressure rise due to overloading. |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Frame                                                                                           | Precision aligned monocoque construction with Integral fuel and hydraulic tanks.                                                                                                                                                         |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brakes                                                                                          | Hydraulic Brake or Pneumatic assisted Hydraulic Brake                                                                                                                                                                                    |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Electrical system                                                                               | 12V (suitable AH) battery with alternator. Oil sealed and enclosed electric starter.                                                                                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Tyres                                                                                           | solid tyre Front 2 nos, Rear 2 nos                                                                                                                                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Travel speed                                                                                    | 15-20 km/h                                                                                                                                                                                                                               |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lifting speed (Laden)                                                                           | 0.30 - 0.60 m/sec                                                                                                                                                                                                                        |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lowering speed (Laden)                                                                          | 0.30 - 0.60 m/sec                                                                                                                                                                                                                        |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Gradeability (Laden)                                                                            | 15% minimum                                                                                                                                                                                                                              |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Outer turning radius                                                                            | 2300 to 2500 mm                                                                                                                                                                                                                          |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Mast                                                                                            | 2 stage, clear view mast                                                                                                                                                                                                                 |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Maximum fork height                                                                             | 4000 TO 4500 mm                                                                                                                                                                                                                          |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Fork Length                                                                                     | 2000 mm                                                                                                                                                                                                                                  |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Fork Spread                                                                                     | 2500 mm to 1000 mm                                                                                                                                                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Travel Speed Laden                                                                              | 15-17 K m/hr                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
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| Rev.00:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                 | Issued By                                                                                                                                                                                                                                | Prepared By                                                                         | Checked By                                                                           | Approved By                                                                           | Date                                                                                  |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |
| 1 <sup>st</sup> Issue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                 | SPV<br>PROD<br>GROUP                                                                                                                                                                                                                     |  |  |  |  |          |      |            |                     |   |                                              |                              |   |          |                   |   |     |       |   |        |                                                                               |   |              |                                                                                                                                                    |   |                 |                                                 |   |                  |                                                                                                                                                                                                                                          |   |       |                                                                                  |   |        |                                                       |    |                   |                                                                                      |    |       |                                    |    |              |            |    |                       |                   |    |                        |                   |    |                      |             |    |                      |                 |    |      |                          |    |                     |                 |    |             |         |    |             |                    |    |                    |              |

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|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------|--|--|
| MATERIAL CODE<br>EL8619010018 |  1800-01<br>Rev. 00                                                                                                                      |                                                                                                                                                                                                                                                                | PURCHASE SPECIFICATION FOR<br>DIESEL FORKLIFT                                                   |                                                                                      |                                                                                       | ISSUE NO : 06<br>DOC.NO: SPV-UT-009<br>REV : 00    JUN 2019 |  |  |
|                               | Page 2 of 4                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                |                                                                                                 |                                                                                      |                                                                                       |                                                             |  |  |
|                               | COPY RIGHT AND CONFIDENTIAL<br><br>The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in anyway detrimental to the interest of the company. | 22                                                                                                                                                                                                                                                             | Tilt (FWD / BKD )                                                                               | 6 / 12 Deg                                                                           |                                                                                       |                                                             |  |  |
|                               |                                                                                                                                                                                                                           | 23                                                                                                                                                                                                                                                             | Fuel                                                                                            | Diesel                                                                               |                                                                                       |                                                             |  |  |
| 24                            |                                                                                                                                                                                                                           | Standard accessories to be supplied along with forklift                                                                                                                                                                                                        | Bidders to specify                                                                              |                                                                                      |                                                                                       |                                                             |  |  |
| 25                            |                                                                                                                                                                                                                           | Capacity at maximum fork height at 500 mm load centre                                                                                                                                                                                                          | 3000 Kg                                                                                         |                                                                                      |                                                                                       |                                                             |  |  |
| 26                            |                                                                                                                                                                                                                           | Emissions from Fork lift engine                                                                                                                                                                                                                                | Should conform latest applicable Indian standard pollution norms                                |                                                                                      |                                                                                       |                                                             |  |  |
| 27                            |                                                                                                                                                                                                                           | Party should have service and spare supports available in India                                                                                                                                                                                                | Bidders to specify address and contact no                                                       |                                                                                      |                                                                                       |                                                             |  |  |
| 28                            |                                                                                                                                                                                                                           | SUPPLY, COMMISSIONING & TRAINING AT BHEL SITE:                                                                                                                                                                                                                 | The supply & commissioning of fork lift should be at BHEL EPD                                   |                                                                                      |                                                                                       |                                                             |  |  |
|                               |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                | Transit Insurance shall be in the scope of Supplier.                                            |                                                                                      |                                                                                       |                                                             |  |  |
|                               |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                | Unloading of Forklift shall be in the scope of BHEL.                                            |                                                                                      |                                                                                       |                                                             |  |  |
|                               |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                | Training for Operation & maintenance should be provided to BHEL personnel during commissioning. |                                                                                      |                                                                                       |                                                             |  |  |
| 29                            | Pre dispatch Inspection                                                                                                                                                                                                   | Pre dispatch inspection shall be carried out at supplier's works by BHEL engineer. Supplier has to inform well in advance (7 days) about the readiness of material for inspection. Supplier has to make all arrangement for inspection within the quoted rate. |                                                                                                 |                                                                                      |                                                                                       |                                                             |  |  |
| 30                            | Documents required along with dispatch:                                                                                                                                                                                   | (a) Load test certificates,                                                                                                                                                                                                                                    |                                                                                                 |                                                                                      |                                                                                       |                                                             |  |  |
|                               |                                                                                                                                                                                                                           | (b) 2 sets of O&M manual, Integrated list of Spare parts & their catalogue and all hydraulic & electrical schematic drawings                                                                                                                                   |                                                                                                 |                                                                                      |                                                                                       |                                                             |  |  |
|                               |                                                                                                                                                                                                                           | (c) Guarantee Certificate – Minimum 12 month from the date of commissioning or 18 months from date of dispatch of at site whichever is early.                                                                                                                  |                                                                                                 |                                                                                      |                                                                                       |                                                             |  |  |
| 31                            | AFTER SALES SERVICE                                                                                                                                                                                                       | Reliable after sales service should be available. Vendor to provide necessary details                                                                                                                                                                          |                                                                                                 |                                                                                      |                                                                                       |                                                             |  |  |
| Rev.00:                       |                                                                                                                                                                                                                           | Issued By                                                                                                                                                                                                                                                      | Prepared By                                                                                     | Checked By                                                                           | Approved By                                                                           | Date                                                        |  |  |
| 1 <sup>st</sup> Issue         |                                                                                                                                                                                                                           | SPV PROD GROUP                                                                                                                                                                                                                                                 |              |  |  | 28/06/19                                                    |  |  |

| <b>MATERIAL CODE</b><br>EL861901001877                                                                                                                                                                                       |  1800-01<br>Rev. 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                           | <b>PURCHASE SPECIFICATION FOR<br/>DIESEL FORKLIFT</b>                                                                                                                                               |                                                                                                                                                                                            |                                                                                                                                                                                               | ISSUE NO : 06<br>DOC.NO: SPV-UT-009<br>REV : 00    JUN 2019<br>Page 3 of 4 |  |       |                                  |                                               |    |                                                                                                                                                                           |                                                                                                                                                                                                     |    |                                                                                                                                             |                                                                                       |    |                                                                                  |                         |    |                                                                                |          |    |                                                                                                             |          |
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|                                                                                                                                                                                                                              | <table border="1"> <thead> <tr> <th>Sl no</th> <th>BHEL Standard Terms &amp; Conditions</th> <th>Documents to be submitted by vendor / Remarks</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Bidder should be original equipment manufacturer (OEM) of the quoted item. Bidder to submit company credentials to prove as OEM. Authorized dealer can also submit offer.</td> <td>Registration certificate as a manufacturer or any other document to establish bidder as manufacturer.<br/><br/>Incase of dealer, current valid authorization certificate from OEM is to be submitted.</td> </tr> <tr> <td>02</td> <td>Bidder should have manufactured, supplied and successfully commissioned minimum of 5 numbers of Forklift of 3T or more in the last 3 years.</td> <td>Bidder to submit copy of purchase orders and performance certificates from the users.</td> </tr> <tr> <td>03</td> <td>BHEL preserves the right for independent verification of the reference provided.</td> <td>Accepted / Not accepted</td> </tr> <tr> <td>04</td> <td>Offer shall be for new equipment and not For any refurbished or used equipment</td> <td>YES / NO</td> </tr> <tr> <td>05</td> <td>Bid shall be kept valid for a period of 60 days starting from the date of opening of Techno-commercial bid.</td> <td>YES / NO</td> </tr> </tbody> </table> |                                                                                                                                                                           |                                                                                                                                                                                                     |                                                                                                                                                                                            |                                                                                                                                                                                               |                                                                            |  | Sl no | BHEL Standard Terms & Conditions | Documents to be submitted by vendor / Remarks | 01 | Bidder should be original equipment manufacturer (OEM) of the quoted item. Bidder to submit company credentials to prove as OEM. Authorized dealer can also submit offer. | Registration certificate as a manufacturer or any other document to establish bidder as manufacturer.<br><br>Incase of dealer, current valid authorization certificate from OEM is to be submitted. | 02 | Bidder should have manufactured, supplied and successfully commissioned minimum of 5 numbers of Forklift of 3T or more in the last 3 years. | Bidder to submit copy of purchase orders and performance certificates from the users. | 03 | BHEL preserves the right for independent verification of the reference provided. | Accepted / Not accepted | 04 | Offer shall be for new equipment and not For any refurbished or used equipment | YES / NO | 05 | Bid shall be kept valid for a period of 60 days starting from the date of opening of Techno-commercial bid. | YES / NO |
|                                                                                                                                                                                                                              | Sl no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BHEL Standard Terms & Conditions                                                                                                                                          | Documents to be submitted by vendor / Remarks                                                                                                                                                       |                                                                                                                                                                                            |                                                                                                                                                                                               |                                                                            |  |       |                                  |                                               |    |                                                                                                                                                                           |                                                                                                                                                                                                     |    |                                                                                                                                             |                                                                                       |    |                                                                                  |                         |    |                                                                                |          |    |                                                                                                             |          |
|                                                                                                                                                                                                                              | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Bidder should be original equipment manufacturer (OEM) of the quoted item. Bidder to submit company credentials to prove as OEM. Authorized dealer can also submit offer. | Registration certificate as a manufacturer or any other document to establish bidder as manufacturer.<br><br>Incase of dealer, current valid authorization certificate from OEM is to be submitted. |                                                                                                                                                                                            |                                                                                                                                                                                               |                                                                            |  |       |                                  |                                               |    |                                                                                                                                                                           |                                                                                                                                                                                                     |    |                                                                                                                                             |                                                                                       |    |                                                                                  |                         |    |                                                                                |          |    |                                                                                                             |          |
| 02                                                                                                                                                                                                                           | Bidder should have manufactured, supplied and successfully commissioned minimum of 5 numbers of Forklift of 3T or more in the last 3 years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Bidder to submit copy of purchase orders and performance certificates from the users.                                                                                     |                                                                                                                                                                                                     |                                                                                                                                                                                            |                                                                                                                                                                                               |                                                                            |  |       |                                  |                                               |    |                                                                                                                                                                           |                                                                                                                                                                                                     |    |                                                                                                                                             |                                                                                       |    |                                                                                  |                         |    |                                                                                |          |    |                                                                                                             |          |
| 03                                                                                                                                                                                                                           | BHEL preserves the right for independent verification of the reference provided.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Accepted / Not accepted                                                                                                                                                   |                                                                                                                                                                                                     |                                                                                                                                                                                            |                                                                                                                                                                                               |                                                                            |  |       |                                  |                                               |    |                                                                                                                                                                           |                                                                                                                                                                                                     |    |                                                                                                                                             |                                                                                       |    |                                                                                  |                         |    |                                                                                |          |    |                                                                                                             |          |
| 04                                                                                                                                                                                                                           | Offer shall be for new equipment and not For any refurbished or used equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | YES / NO                                                                                                                                                                  |                                                                                                                                                                                                     |                                                                                                                                                                                            |                                                                                                                                                                                               |                                                                            |  |       |                                  |                                               |    |                                                                                                                                                                           |                                                                                                                                                                                                     |    |                                                                                                                                             |                                                                                       |    |                                                                                  |                         |    |                                                                                |          |    |                                                                                                             |          |
| 05                                                                                                                                                                                                                           | Bid shall be kept valid for a period of 60 days starting from the date of opening of Techno-commercial bid.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YES / NO                                                                                                                                                                  |                                                                                                                                                                                                     |                                                                                                                                                                                            |                                                                                                                                                                                               |                                                                            |  |       |                                  |                                               |    |                                                                                                                                                                           |                                                                                                                                                                                                     |    |                                                                                                                                             |                                                                                       |    |                                                                                  |                         |    |                                                                                |          |    |                                                                                                             |          |
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| Rev 00:<br>1 <sup>st</sup> Issue                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Issued By<br>SPV PROD GROUP                                                                                                                                               | Prepared By<br><br>           | Checked By<br><br> | Approved By<br><br> | Date<br>28/06/19                                                           |  |       |                                  |                                               |    |                                                                                                                                                                           |                                                                                                                                                                                                     |    |                                                                                                                                             |                                                                                       |    |                                                                                  |                         |    |                                                                                |          |    |                                                                                                             |          |

| MATERIAL CODE<br>EL8619010018                                                                                                                                                                                                                                         |  1800-01<br>Rev. 00<br>EPD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             | <b>PURCHASE SPECIFICATION FOR<br/>DIESEL FORKLIFT</b>                                              |                                                                                                      |                 | ISSUE NO : 06<br>DOC.NO: SPV-UT-009<br>REV : 00    JUN 2019<br>Page 4 of 4 |  |      |           |                   |                                                                                     |         |                                                                                     |                |                                                                                      |         |                                                                                      |             |                                                                                       |                   |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------|--|------|-----------|-------------------|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                       | <p align="center"><u>SPECIFICATION REVIEWED AND APPROVED</u></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                                                                                                    |                                                                                                      |                 |                                                                            |  |      |           |                   |                                                                                     |         |                                                                                     |                |                                                                                      |         |                                                                                      |             |                                                                                       |                   |                                                                                      |
|                                                                                                                                                                                                                                                                       | <table border="1"> <thead> <tr> <th>NAME</th> <th>SIGNATURE</th> </tr> </thead> <tbody> <tr> <td>AMAR JYOTI SARKAR</td> <td></td> </tr> <tr> <td>Y. RAVI</td> <td></td> </tr> <tr> <td>S. ARUNACHALAM</td> <td></td> </tr> <tr> <td>MOHAN J</td> <td></td> </tr> <tr> <td>R. K. SINGH</td> <td></td> </tr> <tr> <td>C. N. PURUSHOTHAM</td> <td></td> </tr> </tbody> </table> |             |                                                                                                    |                                                                                                      |                 |                                                                            |  | NAME | SIGNATURE | AMAR JYOTI SARKAR |  | Y. RAVI |  | S. ARUNACHALAM |  | MOHAN J |  | R. K. SINGH |  | C. N. PURUSHOTHAM |  |
|                                                                                                                                                                                                                                                                       | NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SIGNATURE   |                                                                                                    |                                                                                                      |                 |                                                                            |  |      |           |                   |                                                                                     |         |                                                                                     |                |                                                                                      |         |                                                                                      |             |                                                                                       |                   |                                                                                      |
| AMAR JYOTI SARKAR                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                                                                                                    |                                                                                                      |                 |                                                                            |  |      |           |                   |                                                                                     |         |                                                                                     |                |                                                                                      |         |                                                                                      |             |                                                                                       |                   |                                                                                      |
| Y. RAVI                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                                                                                                    |                                                                                                      |                 |                                                                            |  |      |           |                   |                                                                                     |         |                                                                                     |                |                                                                                      |         |                                                                                      |             |                                                                                       |                   |                                                                                      |
| S. ARUNACHALAM                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                                                                                                    |                                                                                                      |                 |                                                                            |  |      |           |                   |                                                                                     |         |                                                                                     |                |                                                                                      |         |                                                                                      |             |                                                                                       |                   |                                                                                      |
| MOHAN J                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                                                                                                    |                                                                                                      |                 |                                                                            |  |      |           |                   |                                                                                     |         |                                                                                     |                |                                                                                      |         |                                                                                      |             |                                                                                       |                   |                                                                                      |
| R. K. SINGH                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |                                                                                                    |                                                                                                      |                 |                                                                            |  |      |           |                   |                                                                                     |         |                                                                                     |                |                                                                                      |         |                                                                                      |             |                                                                                       |                   |                                                                                      |
| C. N. PURUSHOTHAM                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                                                                                                    |                                                                                                      |                 |                                                                            |  |      |           |                   |                                                                                     |         |                                                                                     |                |                                                                                      |         |                                                                                      |             |                                                                                       |                   |                                                                                      |
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| Rev 00:<br>1 <sup>st</sup> Issue                                                                                                                                                                                                                                      | Issued By<br>SPV PROD<br>GROUP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Prepared By | Checked By<br> | Approved By<br> | Date<br>28/6/19 |                                                                            |  |      |           |                   |                                                                                     |         |                                                                                     |                |                                                                                      |         |                                                                                      |             |                                                                                       |                   |                                                                                      |

**BHARAT HEAVY ELECTRICALS LTD.,**  
**ELECTRIC & PHOTOVOLTAIC DIVISION, IISC POST, BENGALURU - 560012**  
**DEPARTMENT : SPV & WEX - Projects**

Ref : PR No. 50003233  
 Date: 07.07.2019

**LIST OF LINE ITEMS / BILL OF MATERIALS**

| Sl No. | Item / Description                                       | Unit | Quantity | Rate | Amount | Remarks                                                                                                                                                                                                                                      |
|--------|----------------------------------------------------------|------|----------|------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | 3 Ton Diesel Forklift                                    | Each | 4        |      |        | The Diesel forklift as per Purchase Specification No. SPV-UT-009 Complete inclusive of the following units / components and not limited to:<br>a. Main machine unit<br>b. Additional / Associated equipment : Other accessories as required. |
| 2      | Installation and Commissioning of the Line at BHEL - EPD | Set  | 4        |      |        |                                                                                                                                                                                                                                              |
| 3      | Training of BHEL Staff on Operation and Maintenance      |      |          |      |        |                                                                                                                                                                                                                                              |
| 4      | Technical Documentation and other associated information |      |          |      |        |                                                                                                                                                                                                                                              |
|        |                                                          |      |          |      |        |                                                                                                                                                                                                                                              |
|        |                                                          |      |          |      |        |                                                                                                                                                                                                                                              |
|        |                                                          |      |          |      |        |                                                                                                                                                                                                                                              |
|        |                                                          |      |          |      |        |                                                                                                                                                                                                                                              |