

ANNEXURE -1

BOM for Support Structure of 3.1 kWp Tilted Axis Solar Tracker - Revised

| <i>Item No.</i> | <i>Description (Dimensions in mm)</i> | <i>Material</i> | <i>Quantity</i> |
|--|---|-----------------|-----------------|
| FRONT POLE DESIGN | | | |
| 1 | RECTANGULAR HOLLOW SECTION (RHS) 80/40, Wall Thk. 2.6, LENGTH 2400 | MS | 2 |
| 2 | RECTANGULAR HOLLOW SECTION (RHS) 80/40, Wall Thk. 2.6, LENGTH 2248 | MS | 1 |
| 3 | PLATE 10t x 170 x 290 | MS | 1 |
| 4 | PLATE 8t x 150 x 150 | MS | 3 |
| 5 | PLATE 10t x 75 x 100 | MS | 2 |
| 6 | ISA 60 x 60 x 6t, LENGTH 60 | MS | 2 |
| REAR POLE DESIGN | | | |
| 1 | RECTANGULAR HOLLOW SECTION (RHS) 80/40, Wall Thk. 2.6, LENGTH 3403 | MS | 2 |
| 2 | RECTANGULAR HOLLOW SECTION (RHS) 66/33, Wall Thk. 2.6, LENGTH 1499 | MS | 1 |
| 3 | PLATE 10t x 65 x 290 | MS | 1 |
| 4 | PLATE 8t x 150 x 150 | MS | 2 |
| 5 | ISA 60 x 60 x 6t, LENGTH 60 | MS | 2 |
| MAIN FRAME | | | |
| 1 | RECTANGULAR HOLLOW SECTION (RHS) 80/40, Wall Thk. 2.6, LENGTH 4300 | MS | 2 |
| 2 | RECTANGULAR HOLLOW SECTION (RHS) 80/40, Wall Thk. 2.6, LENGTH 1800 | MS | 2 |
| 3 | RECTANGULAR HOLLOW SECTION (RHS) 80/40, Wall Thk. 2.6, LENGTH 800 | MS | 2 |
| 4 | PLATE 5t x 100 x 340 | MS | 4 |
| 5 | ISA 60 x 60 x 3t, LENGTH 153 | MS | 16 |
| 6 | BEARING SHAFT \varnothing 80, LENGTH 107.5 | MS | 2 |
| 7 | PLATE 5t x 40 x 60 | MS | 4 |
| 8 | PLATE 3t X 60 X 60 | MS | 48 |
| PANEL FIXING FRAMES 1&4 | | | |
| 1 | RECTANGULAR HOLLOW SECTION (RHS) 66/33, Wall Thk. 2.6, LENGTH 5330 | MS | 2 |
| 2 | RECTANGULAR HOLLOW SECTION (RHS) 80/40, Wall Thk. 2.6, LENGTH 430 | MS | 2 |
| 3 | ISA 60 x 60 x 3t, LENGTH 50 | MS | 4 |
| 4 | ISA 60 x 60 x 3t, LENGTH 160 | MS | 8 |
| 5 | ISA 32 x 32 x 3t, LENGTH 160 | MS | 8 |
| 6 | ISA 32 x 32 x 3t, LENGTH 467 | MS | 4 |
| 7 | ISA 32 x 32 x 3t, LENGTH 30 | MS | 4 |
| PANEL FIXING FRAMES 2&3 | | | |
| 1 | RECTANGULAR HOLLOW SECTION (RHS) 66/33, Wall Thk. 2.6, LENGTH 5330 | MS | 2 |
| 2 | ISA 60 x 60 x 6t, LENGTH 160 | MS | 8 |
| 3 | ISA 32 x 32 x 3t, LENGTH 160 | MS | 8 |
| 4 | ISA 32 x 32 x 3t, LENGTH 30 | MS | 4 |
| 5 | FLAT 6t x 60 x 100 | MS | 4 |
| BEARING HOUSING | | | |
| 1 | PLATE 30t x 120 x 130 | MS | 2 |
| 2 | PLATE 10t x 65 x 290 | MS | 2 |
| 3 | FLAT 6t x 30 x 50 | MS | 4 |
| 4 | FLAT 6t x 25 x 50 | MS | 5 |
| STOPPER BRACKET | | | |
| 1 | ISA 40 x 40 x 3t, LENGTH 557 | MS | 2 |
| 2 | FLANGE \varnothing 60, LENGTH 21 | MS | 4 |
| FIXED END BRACKET FOR SHOCK ABSORBER | | | |
| 1 | ISA 40 x 40 x 3t, LENGTH 95 | MS | 4 |
| 2 | FLAT 6t x 60 x 60 | MS | 4 |
| MOVING END BRACKET FOR SHOCK ABSORBER | | | |
| 1 | FLAT 5t x 50 x 120 | MS | 4 |
| 2 | FLAT 5t x 15 x 40 | MS | 4 |
| CONTAINER ASSEMBLY | | | |
| 1 | CONTAINER - PIPE 2" Nb, OD 50.8, ID 48.2 (Wall Thk. 1.2), LENGTH 1997.6 | SS 202 | 2 |
| 2 | END CAP PIPE - OD 53.2, ID 50.8 (Wall Thk. 1.2), LENGTH 25 | SS 202 | 4 |
| 3 | END CAP PLATE - DIA 50.8, Thk. 1.2 | SS 202 | 4 |
| 4 | U-CLAMP GUIDE PLATE - Plate 3t x 30 x 75 | SS 202 | 4 |
| 5 | U-CLAMP, DIA 8 x 203 LENGTH | SS 202 | 4 |