

Annexure D- Specification

(Vendor to confirm each point while submitting the offer)

GALVANISED HEXAGONAL WASHER HEAD SELF DRILLING SELF TAPPING SCREWS FOR FIXING SANDWICH ROOF SHEETS, TRAPEZOIDAL CLADDING SHEET, EPDM WASHER AND PLASTIC CAP CONFORMING TO THE SPECIFICATION GIVEN

SPECIFICATION

1. MATERIAL AISI GRADE 1022 (KILLED CARBON STEEL - **Vendor to confirm**
2. SDST SCREW AS PER AUSTRALIAN AND INTERNATIONAL STANDARD AS3566 CLASS 3 OR EQUIVALENT- **Vendor to confirm**
3. CASE HARDNESS: 52-58 HRC CASE- **Vendor to confirm**
4. CORE HARDNESS: 32-40 HRC CORE - **Vendor to confirm**
5. DRILL TEST:5MM TEST PLATE LESS THAN 5 SECONDS. (OTHERWISE TO BE SPECIFIED BY VENDOR)- **Vendor to confirm**
6. TORQUE: 100/ LB.IN FOR 72 HOURS. (OTHERWISE TO BE SPECIFIED BY VENDOR)- **Vendor to confirm**
7. ALL SCREWS SHALL BE GALVANIZED. - **Vendor to confirm**
8. EPDM WASHER 16MM DIA AND ABOVE. - **Vendor to confirm**
9. PLASTIC CAPS FOR THE HEXAGONAL HEAD, SHALL HAVE A COLOUR OF RAL5012 TO MATCH ROOF SHEET AND CLADDING. - **Vendor to confirm**
10. VENDOR SHALL SPECIFY SUITABLE SCREW GUN TO FIX THE SCREWS. - **Vendor to confirm**
11. SCREW FIXING DETAILS AS PER DRAWINGS 0-36-611-26738. - **Vendor to confirm**

DIMENSION AND DESIGN REQUIREMENT

EACH SCREW SHOULD BE CAPABLE OF TAKING AXIAL LOAD OF 1.0 MT & SHEAR LOAD OF 0.5 MT. - **Vendor to confirm**

VENDOR SHALL PROVIDE DESIGN CALCUALTIONS, DATASHEET & LOAD TEST RESULTS TO ENSURE THE ABOVE CAPACITY. IF LOAD CARRYING CAPACITY DEMANDS A SCREW DIAMETER GREATER THAN 5.5 MM, VENDOR MAY ALSO PROPOSE THE SAME AND SUBMIT FOR TECHNICAL CLEARANCE. - **Vendor to confirm**

A) FOR FIXING OF SANDWICH METAL CLADDING ROOF SHEETS
5.5 DIA (MIN) X 175 mm LONG (MIN), WITH 14 TPI (MIN) & MAXIMUM THICKNESS DRILLED DC 15MM.

B) FOR FIXING OF METAL CLADDING SHEETS
5.5 DIA (MIN) X 63 mm LONG (MIN), WITH 14 TPI (MIN) & MAXIMUM THICKNESS DRILLED DC 15MM.

C) FOR STITCHING OF SHEETS
4.8 DIA (MIN) X 19 mm LONG, WITH 12 TPI (MIN) WITH MIN DC = 3 MM .

Packing instruction:

SINCE THIS IS AN EXPORT CONTRACT, PACKING AND SEA WORTHY PROTECTION TO BE SUITABLY TAKEN CARE. - **Vendor to confirm**