
		29.99MWAC LARGE SCALE SOLAR PHOTOVOLTAIC PLANT, BUKIT SIDIM, KULIM, KEDAH				
MOUNTING STRUCTURE CHECKLIST (SF1)						
CONTRACTOR :				RFI NO. :		
TYPE OF WORK :				DATE :		
LOCATION :				REFERENCE DRAWING NO. :		
Item	Description	Verify Method	Compliance			Remarks
			Yes	N/A	No	
A BHA ASSEMBLY						
1	BHA Type (Heavy / Light)	Visual				
2	BHA Spacing (35mm to each side from centre of BHA Plins \pm 6.3mm)	Measurement				
3	BHA bracket mounts (M12 fasteners to be swaged & washer)	Visual				
4	BHA Rail - Pin, Saddle, U -bolt & fasteners (M10 @ 24 Nm)	Measurement				
5	BHA Positioning (Perpendicular to the torque tube)	Visual				
6	To check BHA bracket horizontal to be less than 1°	Measurement				
7	To check correct BOM installed	Visual				
B RAIL						
1	Rail Module & Strap Installation (Perpendicular to the torque tube, Strap Pin \leq 10°)	Visual				
2	Rail to rail angle must not exceed 1°	Measurement				
3	SPC rail to Production panel angle must not exceed 0.5°	Measurement				
4	Rail Module Strap bolt installation (M8 @ 17 Nm)	Measurement				
C SLEW GEAR						
1	To check slew gear type (Heavy - Without Ribs / Interior - With Ribs)	Visual				
2	To check slew gear mounting bracket M12 fasteners, Grip 20 (6 nos each side swaged)	Visual				
3	To check slew gear mounting hardware (4 nos @ 240 Nm)	Measurement				
D INTEGRATED MOUNT CONTROLLER						
1	ICM & SPC to be installed at the southern side of the motor (M8 cap screws @ 10 Nm)	Visual				
2	U Bolt to be installed 270mm \pm 10mm from the end of TT Adapter	Measurement				
E MOTOR, SPC ANTENNA & MOUNT						
1	Motor installation (M12 socket head @ 60 Nm)	Measurement				
2	SPC Antenna & Mount Installation (Check for tightness by hand)	Visual				
3	To check all Self Powered Controller (SPC) connections are properly terminated with proper cable management	Visual				
F MODULES						
1	Module to Rail Fasteners (to be swaged)	Visual				
2	Module Deflection	Visual				
3	PV String Wiring to be installed with proper cable management	Visual				
G DAMPERS						
1	Damper Configuration (To be installed as per design drawing)	Visual				
2	Damper Installation Height (475mm \pm 10mm)	Measurement				
3	Upper Damper Mount & Fasteners u bolt (Bolts to be installed from up to bottom M10 @ 27Nm)	Measurement				
4	Lower Damper Mount & Fasteners (M12 swaged)	Measurement				
5	Damper Body Orientation (To be installed as per arrow marking)	Visual				
6	Damper to damper mount (Snug tight)	Visual				
H TORQUE TUBE						
1	BOM Fastener for T.T to T.T Adapter (Grip 6) , T.T to T.T (Grip 4)	Visual				
2	Correct T.T type installed (Refer to checklist attached)	Visual				
Remarks <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>						
Overall Result: <input type="checkbox"/> Accepted <input type="checkbox"/> Rejected						
Prepared by		Verified by		Witnessed by		Approved by
(Project Engineer)		(QA/QC Engineer)		(Owner's Engineer)		(Owner's Representative)
Name : Designation : Date :		Name : Designation : Date :		Name : Designation : Date :		Name : Designation : Date :