TENDER NO. LVSWWDA/T/5/2023 – 2024

EQUIPPING, CIVIL , BUILDING AND PLUMBING WORKS FOR ARAMO PRIMARY SCHOOL BOREHOLE IN KASIPUL SUB COUNTY, HOMA BAY COUNTY

BILL NO 6.: SOLAR PV MODULE STRUCTURE

ITEM	DESCRIPTION	UNIT	QTY	RATE Kshs.	AMOUNT Kshs.
	Supply materials, fabricate and assemble steel Structure according to drawings and Engineer's instructions. Rates to include for approved epoxy painting on all steel surfaces				
	STUB COLUMNS				
	Excavation and Filling				
6.01	Excavate for column stub bases commencing from ground level depth not exceeding 1.2m	M³	10		
6.02	Extra over for excavation in hard rock	M³	2		
	Provide and place Concrete				
6.03	50mm thick blinding; Concrete Class 15/20	M³	0.5		
	Reinforced Class 25/20				
6.04	Column stubs	M³	9		
	Formwork (cut and fix in position sawn timber formwork or equivalent):Plane vertical				
6.05	Formwork for columns stubs	M²	8		
	Steel Reinforcement				
6.06	T12 steel bars in column stubs	Kg	25		
6.07	T8 steel links in columns	Kg	20		
	Steel Works				
	Provide steel members as specified, cut, bore, fabricate and fix to form a steel structure. Rates to include surface treatment using two coats of epoxy paint and all galvanised MS nuts and bolts				
	Column Base:				

6.08	300x300mm,10mm Thick Base Plate	Nr	6		
6.09	16mm Dia. H.D. bolts x 450mm long C/W nuts & flat round washers	Nr	24		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
	Steel Columns and Beams				
6.10	75x50x3.0mm RHS Stanchion	M	48		
6.11	8mm Thick Connection and Gusset Plate (cut to size, bored & welded on various members)	M²	2		
6.12	75x50x3.0mm RHS beams	M	12		
6.13	M10, Bolts Galvanized mild steel	Nr	30		
	Lateral Load Bracing:				
6.14	40x40x3mm Angle line (Angular and Horizontal bracings)	M	60		
6.15	M8 Bolts Galvanized mild steel,	Nr	60		
	PV Mounting				
6.16	40x40x3mm Angle line	M	75		
6.17	M6 Bolts Galvanized mild steel,	Nr	72		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				

COLLECTION SHEET BILL NO 6 .: SOLAR PV MODULE STRUCTURE		
		Amount
		Kshs.
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	Bill Total Carried to Grand Summary	