

Agricultural Marketing Board, Design, Build And Maintain Photovoltaic Solar Farm at Moka

CONTRACT SUM ANALYSIS

Section B - Photovoltaic Solar Farm

S.N	Description	Unit	Qty	Rate	Amount/ MUR
	<u>Section B Photovoltaic Solar Farm</u>				
	Design, Fabricate, supply, install and commissioning and operate of Photovoltaic Solar Farm in accordance with Performance Specification and Employer's Requirement. Bidder shall allow for all cost and charges accordingly and as per the provisions of the Bidding document. There are various costs and charges which the Employer shall pay to CEB as per Performance Specification and must be included in the Bid price.				
1	<u>Structural Support on existing roof as detailed below:</u>				
1.1	Allow for the structural work on existing waterproofed layer of concrete roof with upstand beams and flat roof as per existing roof plan, to receive PV panels. Structural support to be generally in aluminium extruded section including support, cleat plate and the like, including interface work, with existing building and services, roof mounting system for PV Panels including supports, frames, rail and the like, (structural frame being mounted on existing	Sum			
1.2	Ditto but on existing waterproofed layer of flat roof comprising of ribbed slab	Sum			
2	Allow for PV Modules and Accessories, all complete.	Sum			
3	Allow for Inverters, all complete as per Performance Specifications	Sum			
4	Allow for Optimisers, all complete as per Performance Specifications	Sum			
5	Allow for Weather Station capable of measuring wind speed and direction, ambient and panel temperature, global horizontal irradiance and plane of array solar power and energy as minimum (N.B. The weather station shall also be installed on the roof)	Sum			
6	Allow for cable trays both for HV cables and LV cables up to terminals	Sum			
7	Allow for HV cables, if required.	Sum			
8	Allow for LV cables	Sum			
9	Allow for electrical panels and associated works	Sum			
10	Allow for energy meters in accordance with the Performance Specifications	Sum			
11	Allow for all electrical wiring for connection of the solar system to the Employer's network (i.e. AC power to the 22kV distribution grid)	Sum			
12	Allow for PC-based supervisory and control system for the local control and monitoring of the PV plant.	Sum			
13	UPS of highly reputable make and fitted with appropriate surge protection systems and shall be of online double conversion type with minimum duration of 4 hrs after loss grid supply.	Sum			
14	Allow for lightning protection system, all complete as per the Performance Specifications	Sum			
15	Allow for earthing system, all complete as per the Performance Specifications	Sum			
15	Allow for any builders and trenching work for the whole of the system, including earth pit, all complete to connect the solar system to the Employer's network and to make the solar system operational and functional.	Sum			
16	Allow for any other cost and charges to comply with Performance Specification to meet Employer's Requirement as listed below:				
16.1	Scope of Work listed at item 2.0 of Performance Specification.	Sum			
16.2	Proposed Photovoltaic Solar Farm Management System	Sum			
17	Allow for any cost and charges required to make the System fully functional and fit for the purpose to meet the Client's approval.	Sum			
	<i>Total Amount carried to Collection</i>	1.4(R)			