



# Design & Installation of Solar Power Projects

Project Management & Execution process walkthrough



# Project Costing Summary

- We have divided complete required BOQ into following head items, making it easier for the client to understand and for SBEEC to follow up

Client ABC - 1.0MW		Solar System - Demo Costing Sheet				
S#	Description	Cost-Rs	S/Tax-Rs	Total Cost	Cost/kW	Cost/kW with S/Tax
1	PV Panels	44,618,915	7,585,216	52,204,130	44,619	52,204
2	Inverters	6,245,817	1,061,789	7,307,606	6,246	7,308
	<b>Imported Items</b>	<b>50,864,732</b>	<b>8,647,004</b>	<b>59,511,736</b>	<b>50,865</b>	<b>59,512</b>
1	LV Panel	1,800,000	306,000	2,106,000	1,800	2,106
2	Cables	1,000,000	170,000	1,170,000	1,000	1,170
3	Supply of Consumable material & Electrical work	2,000,000	340,000	2,340,000	2,000	2,340
4	Supply of Misc Cables	800,000	136,000	936,000	800	936
5	Solar Structure	19,900,000	3,383,000	23,283,000	19,900	23,283
6	Plumblng & Misc BOQ	800,000	136,000	936,000	800	936
	<b>Solar System Total</b>	<b>26,300,000</b>	<b>4,471,000</b>	<b>30,771,000</b>	<b>26,300</b>	<b>30,771</b>
7	Design & Engineering Fee	3,000,000	510,000	3,510,000	3,000	3,510
8	Installation, Testing & Commissioning	3,000,000	510,000	3,510,000	3,000	3,510
	<b>Design, Engineering &amp; Installation Cost</b>	<b>6,000,000</b>	<b>1,020,000</b>	<b>7,020,000</b>	<b>6,000</b>	<b>7,020</b>
1	MV Panel	5,400,000	918,000	6,318,000	5,400	6,318
2	Transformer	3,550,000	603,500	4,153,500	3,550	4,154
3	Cables	3,000,000	510,000	3,510,000	3,000	3,510
	<b>Balance of Plant Total</b>	<b>11,950,000</b>	<b>2,031,500</b>	<b>13,981,500</b>	<b>11,950</b>	<b>13,982</b>
	<b>TOTAL</b>	<b>95,114,732</b>	<b>16,169,504</b>	<b>111,284,236</b>	<b>95,115</b>	<b>111,284</b>
1	MG Controller	2,200,000	374,000	2,574,000	2,200	2,574
2	Walkway	1,200,000	204,000	1,404,000	1,200	1,404
3	CCTV System Complete	500,000	85,000	585,000	500	585
	<b>Optional Items</b>	<b>3,900,000</b>	<b>663,000</b>	<b>4,563,000</b>	<b>3,900</b>	<b>4,563</b>



# Responsibility Matrix

Responsibility Matrix Solar System Design & Installation		
Category	Activity	Responsibility
Design & Engineering	Electrical Design	SB
	Mechanical & Civil Design	
	Bill of Material	
Procurement	Sourcing of Vendor	SB
	Vendor comparison list & Negotiations	
	Vendor shortlisting	CLIENT
	PO placement to Vendor	
	Payment to Vendor	
	Inspection of Equipment before Delivery	SB
	Delivery expenses	CLIENT
Delivery of Material at Site	VENDOR CLIENT	
Installation & Commissioning	Civil Works	SB
	Installation Supervision	
	Mechanical Structure Installation	VENDOR SB
	Electrical Installation	SB
Maintenance	Commissioning	SB
	O&M Maintenance Manual	
	O&M Maintenance Works	CLIENT



# Sourcing Progress

Ejaz Textile 1.0MW		Sourcing						
S#	Description	Quote	Resp.	PO	Inspection	ETA	Delivery	Remarks
1	LV Panel	Done	SB	Done	TBC	TBC	SB	Drawings Approval at final stage Layout shared for civil platforms
2	Cables	Done	SB	Done			EGC	Delivery to begin next week
3	Supply of Consumable material & Electrical work	Done	SB	Done	23-May-22	24-May-22	SB	Production Ongoing FAT Inspection commitment: 23rd May Delivery: 24th May (Subjected to final Payment)
4	Supply of Misc Cables	Done	SB	Done			EGC	Delivery to begin next week
5	Solar Structure	Done	SB	Done	TBC	TBC	SB	Structure Design Finalised Fabrication on going
6	Plumbing & Misc BOQ	Done	SB				EGC	Final BOQ and Quotation shared PO to be placed by EGC
1	MV Panel	Done	SB	Done	TBC	TBC	SB	Drawings Approval at final stage Layout shared for civil platforms
2	Transformer	Done	SB	Done	TBC	TBC	SB	In contact with CEO Transfopower Expected delivery in 5 weeks
3	Cables	Done	SB	Done			EGC	Delivery to begin next week
4	Walkway		SB + EGC				EGC	Design to be revised
5	CCTV System Complete		SB				EGC	On hold

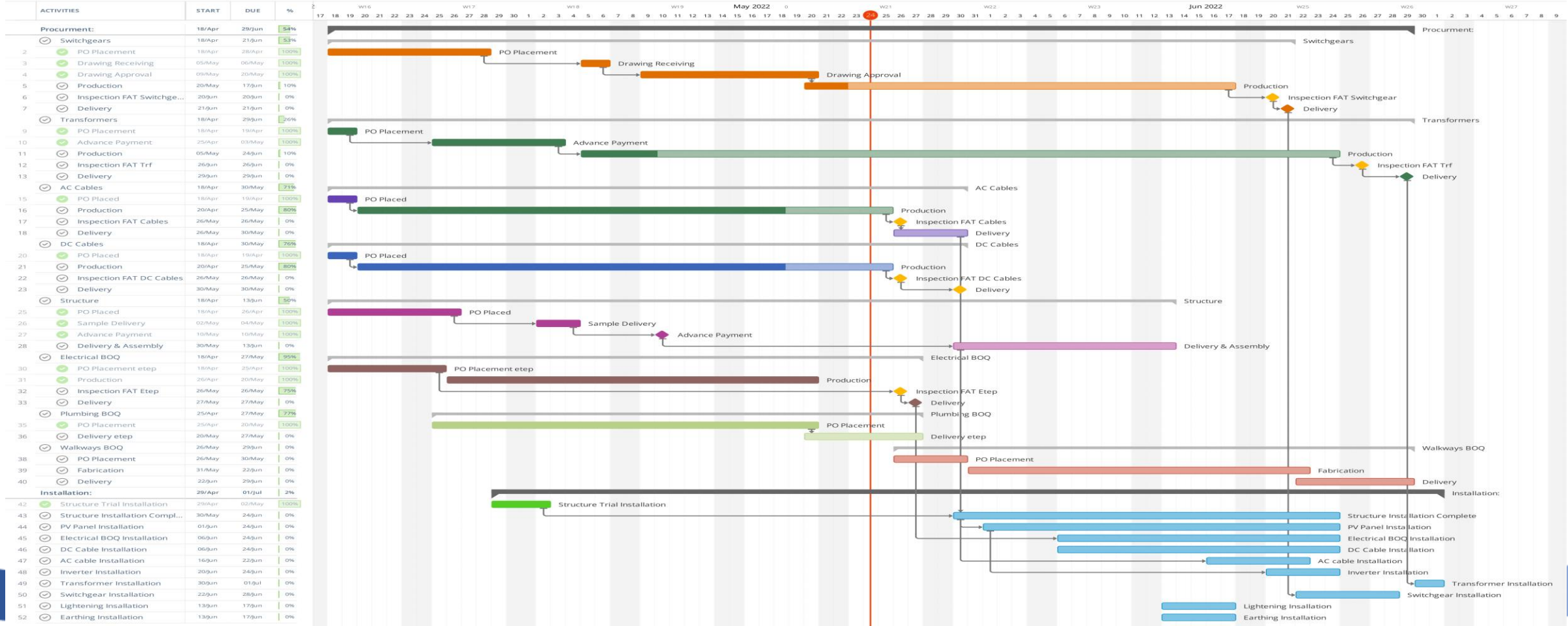




# Progress Monitoring - Gantt Chart

IMG22-002-01-EJTX Ejaz Textile 1.0MW Project  
Read-only view, generated on 24 May 2022

Instagantt





# Task Management - Weekly Task List

	A	B	C	D	E	F	G	H	I	J	K
1	<b>LCH + EGC Project Task List</b>		<b>13th June 2022</b>				<b>Remarks</b>				
2	<b>S#</b>	<b>Description</b>	<b>ESML</b>	<b>ETML</b>	<b>LCHG</b>	<b>83H</b>					
3	1	Cables Inspection after Delivery	MIK	MIK			Partial delivery done, Expected to complete this week				
4	2	Net Metering Application				MAK	Docuemnts received, to be submitted				
5	3	Electrical BOQ Delivery	MUS	MUS			Remainings Items follow up PO revision and Payment follow up				
6	4	Soil Testing & Survey			NJD		Not required				
7	5	Structure Installation	NJD	NJD	NJD		40% Installed on ETML 20% Installed on ESML To start next week at LCH				
8	6	RS 485 Cable Order	MUS	MUS			Sample shared, PO to be placed				
9	7	Electrical BOQ PO			MUS		Quote will be received today				
10	8	DG PV Sunchronzyer			MAK		Revised quotation expected next week				
11	10	Lake City Ground 2 - Segment 1 Mechanical BOQ			NJD		To be finalised				
12	11	Ground Preparation			NJD		In Progress				
13	12	Transformer Inspection	MIK	MIK	MIK		FAT Successful, Payment and delivery follow up LCHG Transfromer FAT expected on Friday				
14	13	Structure Sample Installation			NJD		Done				
15	14	Lake City Ground 2 - Segment 2 Eelectrical BOQ			MIK		Shared on 13-Jun-22				
16	15	Electrical Ground 2 - Common BOQ			MIK		To be shared today on 13 June 22				
17	16	Marking at LCH Segment 1			NJD						
18	17	MV Switchgear	MIK	MIK	MIK						
19	18	Dongle communication and resuming production				MIK					
20	19	Site Contactor				MUS					
21											
22											



Thank You

