

**25 MW (AC) Solar PV Power Plant (50 MWp DC) with 20 MW / 50Mwh Battery
Energy Storage System
Taru, Leh, UT of Ladakh, India**

Summary for Billing Break Up

**Client - Solar Energy Corporation of India
EPC - Prozeal Green Energy Limited**

Summary of Billing Break-up						
Project Details						
1	Project Name	Solar Energy Corporation of India - Leh Solar and BESS Project				
2	Address	Taru, Leh, UT of Ladakh, India				
3	Project Size (AC)	25 MW (AC) Solar PV Power Plant (50 MWp DC) with 20 MW / 50 MWh Battery Energy Storage System				
SR NO.	Description	Basic Amount	GST %	GST	Grand Total	
1.1	SOR 1 - Supply - Part A	₹ 1,46,78,97,905.91	13.54%	₹ 19,87,44,480.10	₹	1,66,66,42,386.02
1.2	SOR 1 - Supply - Part B	₹ 50,90,68,971.00	18.00%	₹ 9,16,32,414.78	₹	60,07,01,385.78
	Total Price of Schedule No 1/SOR 1	₹ 1,97,69,66,876.91	14.69%	₹ 29,03,76,894.88	₹	2,26,73,43,771.80
2.1	SOR 2 - Service - Part A	₹ 24,71,20,858.91	18.00%	₹ 4,44,81,754.60	₹	29,16,02,613.51
2.2	SOR 2 - Service - Part B	₹ 24,71,20,859.00	18.00%	₹ 4,44,81,754.62	₹	29,16,02,613.62
2	Total Price of Schedule No 2/SOR 2	₹ 49,42,41,717.91	18.00%	₹ 8,89,63,509.22	₹	58,32,05,227.13
	Grand Total Price of Schedule SOR1+SOR2+SOR3	₹ 2,47,12,08,594.82	15.35%	₹ 37,93,40,404.11	₹	2,85,05,48,998.93



Billing Break-Up for Supply of Main Equipment with Accessories - SOR 1

Project Details		
1	Project Name	Solar Energy Corporation of India - Leh Solar and BESS Project
2	Address	Taru, Leh, UT of Ladakh, India
3	Project Size (AC)	25 MW (AC) Solar PV Power Plant (50 MWp DC) with 20 MW / 50 MWh Battery Energy Storage System

SCHEDULE OF RATES [SOR-1] - SOLAR PART (25 MW (AC), 50 MWp (DC)) - Part-A							
Sl No	Description	UOM	Qty	Unit Rate	Total Basic (without Tax)	Tax (GST) %	Total Amount (with Tax)
1	Supply of PV Modules as specified in the Tender Documents	KWp	50000	19,769.67	98,84,83,438.00	12%	11,10,71,01,450.56
1.1	Solar PV Module						
2	Supply of Inverters as specified in the Tender Documents	Nos	16	61,78,021.50	9,88,48,344.00	12%	11,07,10,145.28
2.1	Solar Inverter						
3	Supply of Inverter Transformer as specified in the Tender Documents	Nos	4	1,80,19,668.75	7,20,78,675.00	18%	8,50,52,836.50
3.1	Inverter Duty Transformer - Solar	Nos	1	1,97,69,669.00	1,97,69,669.00	18%	2,33,28,209.42
3.2	Power Transformer - Solar	Nos	2	34,99,999.96	69,99,999.92	18%	82,59,999.91
3.3	Auxiliary Transformer						
4	Supply of MV Switchgear and RMU as specified in the Tender Documents	Lot	4	20,00,000.00	80,00,000.00	18%	94,40,000.00
4.1	HT ICOG Panel - Solar	Nos	208	37,575.65	78,15,734.99	18%	92,22,567.29
4.2	String Combiner Box - Solar						
5	Supply of Module Mounting Structure as specified in the Tender Documents	Tables	2792	11,650.00	3,25,26,800.00	18%	3,83,81,624.00
5.1	Supply of MMS - Piling Column - Interior Table	Tables	2792	9,200.00	2,56,86,400.00	18%	3,03,09,952.00
5.2	Supply of MMS - Rafter - Interior Table	Tables	2792	16,100.00	4,49,51,200.00	18%	5,30,42,416.00
5.3	Supply of MMS - Purlin - Interior Table	Tables	2792	3,200.00	89,34,400.00	18%	1,05,42,592.00
5.4	Supply of MMS - Bracing - Interior Table	Lot	1	10,58,550.00	10,58,550.00	18%	12,49,089.00
5.5	Supply of MMS - Fasteners - Interior Table	Tables	770	20,000.00	1,54,00,000.00	18%	1,81,72,000.00
5.6	Supply of MMS - Piling Column - Exterior Table	Tables	770	10,100.00	7,77,70,000.00	18%	91,76,860.00
5.7	Supply of MMS - Rafter - Exterior Table	Tables	770	22,800.00	1,75,56,000.00	18%	2,07,16,080.00
5.8	Supply of MMS - Purlin - Exterior Table	Tables	770	5,100.00	39,27,000.00	18%	46,33,860.00
5.9	Supply of MMS - Bracing - Exterior Table	Lot	1	3,40,000.00	3,40,000.00	18%	4,01,200.00
5.10	Supply of MMS - Fasteners - Exterior Table						
6	Spare Modules (As Mandatory Spares, 0.50% of total supply of solar modules)	KWp	250	15,815.74	39,53,934.00	12%	4,74,472.08
6.1	Solar PV Module Spare module - 0.50%						
7	Mandatory Spares excluding Modules	Lot	1	98,84,834.00	98,84,834.00	18%	1,16,64,104.12
7.1	Supply of Mandatory Spares excluding modules (including BESS Spares if any)						
8	Cables (All DC, LT & HT)	Lot	10	25,00,000.00	2,50,00,000.00	18%	2,95,00,000.00
8.1	DC String Cable	Lot	10	21,00,000.00	2,10,00,000.00	18%	2,47,80,000.00
8.2	DC Cable	Lot	10	22,00,000.00	2,20,00,000.00	18%	2,59,60,000.00
8.3	HT cables	Lot	1	11,93,841.00	11,93,841.00	18%	14,08,732.38
8.4	LT Auxiliary, Control & Communication Cable						
9	Weather Monitoring Station	Lot	1	9,76,967.00	9,76,967.00	18%	11,52,821.06
9.1	SCADA and Weather Monitoring System	Lot	1	10,00,000.00	10,00,000.00	18%	11,80,000.00
9.2	Energy Management System (EMS)						
10	Manufacture & Supply of Balance of System including all Equipment's, Materials, Spares, Accessories, Safety & Fire Fighting System etc. excluding in above Solar Part supply and any other Supplies specified in the Tender Documents						
10.1	Plant Earthing & Lightning Protection System	Lot	1	32,30,331.00	32,30,331.00	18%	3,81,459.58
10.2	Street Lights	Lot	1	15,04,788.00	15,04,788.00	18%	1,77,75,649.84

10.3	Chain Link Fencing, poles, barbed wire & Main gate	Lot	1	₹	1,25,00,000.00	₹	1,25,00,000.00	18%	₹	22,50,000.00	₹	1,47,50,000.00
10.4	CCTV	Lot	1	₹	15,00,000.00	₹	15,00,000.00	18%	₹	2,70,000.00	₹	17,70,000.00
10.5	Fire Detection and Alarm System	Lot	1	₹	10,00,000.00	₹	10,00,000.00	18%	₹	1,80,000.00	₹	11,80,000.00
10.6	Module cleaning system	Lot	1	₹	30,00,000.00	₹	30,00,000.00	18%	₹	5,40,000.00	₹	35,40,000.00
	Total					₹	1,46,78,97,905.91			₹ 19,87,44,480.10	₹	1,66,66,42,386.02

SCHEDULE OF RATES (SOR-1] - BESS PART (20MW/50 MWh) - Part - B

S/No	Description	UOM	Qty	Unit Rate	Total Basic (without Tax)	Tax (GST) %	Tax (GST) Amount	Total Amount (with Tax)
11	Supply of Battery as specified in the Tender Documents							
11.1	Battery Container- BESS	Nos	10	₹ 3,95,39,337.50	₹ 39,53,93,375.00	18%	₹ 7,11,70,807.50	₹ 46,65,64,182.50
12	Supply of Battery Management System (BMS) as specified in the Tender Documents							
12.1	Battery Container - BMS	Lot	1	₹ 98,84,834.00	₹ 98,84,834.00	18%	₹ 17,79,270.12	₹ 1,16,64,104.12
13	Supply of Bidirectional Inverter (PCS) as specified in the Tender Documents							
13.1	Inverter - BESS	Nos	10	₹ 39,53,933.80	₹ 3,95,39,338.00	18%	₹ 71,17,080.84	₹ 4,66,56,418.84
14	Supply of Step-up Transformer as specified in the Tender Documents							
14.1	Inverter Duty Transformer - BESS	Nos	5	₹ 19,76,966.80	₹ 98,84,834.00	18%	₹ 17,79,270.12	₹ 1,16,64,104.12
14.2	Power Transformer - BESS	Nos	1	₹ 1,97,69,669.00	₹ 1,97,69,669.00	18%	₹ 35,58,540.42	₹ 2,33,28,209.42
15	Supply of MV Switchgear/ RMU as specified in the Tender Documents							
15.1	HT Panel Switchboard Panel - BESS	Lot	1	₹ 1,48,27,252.00	₹ 1,48,27,252.00	18%	₹ 26,68,905.36	₹ 1,74,96,157.36
16	Manufacture & Supply of Balance of System including all Equipment's, Materials, Spares, Accessories, Grounding, Lighting, Lightning, Safety & Fire Fighting System etc. excluding BESS part supply above and any other Supplies specified in the Tender Documents							
16.1	Switchyard Equipment - Lightning Arrestor	Nos	12	₹ 1,50,000.00	₹ 18,00,000.00	18%	₹ 3,24,000.00	₹ 21,24,000.00
16.2	Switchyard Equipment - Circuit breaker	Nos	5	₹ 5,00,000.00	₹ 25,00,000.00	18%	₹ 4,50,000.00	₹ 29,50,000.00
16.3	Switchyard Equipment - Current Transformer	Nos	27	₹ 1,50,000.00	₹ 40,50,000.00	18%	₹ 7,29,000.00	₹ 47,79,000.00
16.4	Switchyard Equipment - Potential Transformer	Nos	24	₹ 1,50,000.00	₹ 36,00,000.00	18%	₹ 6,48,000.00	₹ 42,48,000.00
16.5	Switchyard Equipment - ABT Meter	Lot	1	₹ 8,00,000.00	₹ 8,00,000.00	18%	₹ 1,44,000.00	₹ 9,44,000.00
16.6	Switchyard Equipment - Isolator	Nos	14	₹ 3,00,000.00	₹ 42,00,000.00	18%	₹ 7,56,000.00	₹ 49,56,000.00
16.7	Switchyard Equipment - CRP Panel	Lot	1	₹ 10,00,000.00	₹ 10,00,000.00	18%	₹ 1,80,000.00	₹ 11,80,000.00
16.8	Switchyard Equipment - Balance of System	Lot	1	₹ 5,00,000.00	₹ 5,00,000.00	18%	₹ 90,000.00	₹ 5,90,000.00
16.9	66KV Transmission Line Equipment	Lot	1	₹ 11,19,669.00	₹ 11,19,669.00	18%	₹ 2,01,540.42	₹ 13,21,209.42
16.10	Miscellaneous Items for Supply	Lot	1	₹ 2,00,000.00	₹ 2,00,000.00	18%	₹ 36,000.00	₹ 2,36,000.00
	Total				₹ 50,90,69,971.00		₹ 9,16,32,414.78	₹ 60,07,01,385.78
	Grand Total				₹ 1,97,69,66,876.91		₹ 29,03,76,894.88	₹ 2,26,73,43,771.80

Notes-

- This billing break up is for on account payment purpose only.
- The quantity of item indicated in BBU are only for billing purpose and the same shall be supplied as per finalised approved schemes/documents.
- PGEL to ensure supply of all items as per approved drawings/ data sheet/technical specification without any extra cost implication to SECI
- PGEL shall ensure that items not covered here but are required to make the equipments/systems complete in all respect for its safe and reliable, efficient and troublefree working/ operation in line with the provisions
- For items with UoM as Lot. Detail break-up with Qty shall be shared during revision of the BBU on detailed engineering and site execution.

Billing Break-Up for Freight, Design, Civil & Installation and Other Services - SOR 2

Project Details	
1	Project Name
2	Address
3	Project Size (AC)

Project Details

Solar Energy Corporation of India - Leb Solar and BESS Project
Tara, Leh, UT of Ladakh, India
25 MW (AC) Solar PV Power Plant (50 MWp DC) with 20 MW / 50 MWh Battery Energy Storage System

SCHEDULE OF RATES (SOR-2) - BESS PART (20MW/50 MWh) - Part - A								
Sr no	Description	UOM	Qty	Unit Rate	Total Basic (without Tax)	Tax (GST) %	Tax (GST) Amount	Total Amount (with Tax)
1	Freight & Insurance including Loading, Unloading, Storage, Handling at Site							
1.1	Freight & Insurance - Solar Modules	LS	1	₹ 70,00,000.00	₹ 70,00,000.00	18%	₹ 12,60,000.00	₹ 82,60,000.00
1.2	Freight & Insurance - Inverter - Solar	LS	1	₹ 30,00,000.00	₹ 30,00,000.00	18%	₹ 5,40,000.00	₹ 35,40,000.00
1.3	Freight & Insurance - Power Transformer - Solar	LS	1	₹ 50,00,000.00	₹ 50,00,000.00	18%	₹ 9,00,000.00	₹ 59,00,000.00
1.4	Freight & Insurance - Inverter Duty Transformer - Solar	LS	1	₹ 50,00,000.00	₹ 50,00,000.00	18%	₹ 9,00,000.00	₹ 59,00,000.00
1.5	Freight & Insurance - HT Panel - Solar	LS	1	₹ 20,00,000.00	₹ 20,00,000.00	18%	₹ 3,60,000.00	₹ 23,60,000.00
1.6	Freight & Insurance - Module Mounting Structure - Solar	LS	1	₹ 50,00,000.00	₹ 50,00,000.00	18%	₹ 9,00,000.00	₹ 59,00,000.00
1.7	Freight & Insurance - SCB - Solar	LS	1	₹ 20,00,000.00	₹ 20,00,000.00	18%	₹ 3,60,000.00	₹ 23,60,000.00
1.8	Freight & Insurance - Other Equipments	LS	1	₹ 18,90,107.00	₹ 18,90,107.00	18%	₹ 3,40,219.26	₹ 22,30,326.26
2	Design, Engineering, Installation, Erection, Testing and Commissioning including Performance Testing in respect of all the Equipments Supplied and any other Services Specified in the Tender Documents							
2.1	Fencing and Main Gate Installation	LS	1	₹ 40,00,000.00	₹ 40,00,000.00	18%	₹ 7,20,000.00	₹ 47,20,000.00
2.2	MMS Installation	MWp	50	₹ 1,80,000.00	₹ 90,00,000.00	18%	₹ 16,20,000.00	₹ 1,06,20,000.00
2.3	Module Installation	MWp	50	₹ 2,00,000.00	₹ 1,00,00,000.00	18%	₹ 18,00,000.00	₹ 1,18,00,000.00
2.4	Solar Inverter Installation	Nos	16	₹ 1,00,000.00	₹ 16,00,000.00	18%	₹ 2,88,000.00	₹ 18,88,000.00
2.5	Inverter Duty Transformer Installation	Nos	4	₹ 1,50,000.00	₹ 6,00,000.00	18%	₹ 1,08,000.00	₹ 7,08,000.00
2.6	Power Transformer - Solar Installation	Nos	1	₹ 5,00,000.00	₹ 5,00,000.00	18%	₹ 90,000.00	₹ 5,90,000.00
2.7	HT Panel Installation	Nos	1	₹ 5,00,000.00	₹ 5,00,000.00	18%	₹ 90,000.00	₹ 5,90,000.00
2.8	SCB Installation	Nos	208	₹ 2,403.85	₹ 5,00,000.01	18%	₹ 90,000.00	₹ 5,90,000.01
2.9	DC String Cable Installation	LS	1	₹ 10,00,000.00	₹ 10,00,000.00	18%	₹ 1,80,000.00	₹ 11,80,000.00
2.10	DC Cable Installation	LS	1	₹ 10,00,000.00	₹ 10,00,000.00	18%	₹ 1,80,000.00	₹ 11,80,000.00
2.11	HT cables Installation	LS	1	₹ 4,00,000.00	₹ 4,00,000.00	18%	₹ 72,000.00	₹ 4,72,000.00
2.12	SCADA and VMS Installation	LS	1	₹ 4,00,000.00	₹ 4,00,000.00	18%	₹ 72,000.00	₹ 4,72,000.00
2.13	CCTV Installation	LS	1	₹ 4,00,000.00	₹ 4,00,000.00	18%	₹ 72,000.00	₹ 4,72,000.00
2.14	Street Light Installation	LS	1	₹ 4,00,000.00	₹ 4,00,000.00	18%	₹ 72,000.00	₹ 4,72,000.00
2.15	Earthing & Lightning - Solar Installation	LS	1	₹ 4,00,000.00	₹ 4,00,000.00	18%	₹ 72,000.00	₹ 4,72,000.00
2.16	Fire Fighting Equipments	LS	1	₹ 1,00,000.00	₹ 1,00,000.00	18%	₹ 18,000.00	₹ 1,18,000.00
2.17	Testing and Commissioning - Solar Installation	LS	1	₹ 4,90,107.00	₹ 4,90,107.00	18%	₹ 88,219.26	₹ 5,78,326.26
3	Civil and allied works including construction of Trenches, Module Mounting Structure, foundations, etc of all the Equipments Supplied							
3.1	Fencing Piling and Main Gate Foundation	Lot	1	₹ 80,42,500.10	₹ 80,42,500.10	18%	₹ 14,47,688.02	₹ 94,90,188.12
3.2	MMS Piling - Interior	Table	2792	₹ 32,200.00	₹ 89,902,400.00	18%	₹ 16,182,432.00	₹ 1,06,084,832.00
3.3	MMS Piling - Exterior	Table	770	₹ 71,500.00	₹ 55,055,000.00	18%	₹ 9,909,900.00	₹ 64,964,900.00
3.4	LCR/ICR Foundation - Solar Installation	Lot	4	₹ 45,00,000.00	₹ 1,80,00,000.00	18%	₹ 32,40,000.00	₹ 2,12,40,000.00
3.5	SCB Foundation	Nos	208	₹ 11,253.10	₹ 23,40,644.80	18%	₹ 4,21,316.06	₹ 27,61,960.86
3.6	Street Light Foundation	LS	1	₹ 10,00,000.00	₹ 10,00,000.00	18%	₹ 1,80,000.00	₹ 11,80,000.00
3.7	CCTV Foundation	LS	1	₹ 10,00,000.00	₹ 10,00,000.00	18%	₹ 1,80,000.00	₹ 11,80,000.00
3.8	Security Cabin Foundation	LS	1	₹ 10,00,000.00	₹ 10,00,000.00	18%	₹ 1,80,000.00	₹ 11,80,000.00
3.9	Drain	LS	1	₹ 20,00,000.00	₹ 20,00,000.00	18%	₹ 3,60,000.00	₹ 23,60,000.00
3.10	Road	Lot	1	₹ 70,00,000.00	₹ 70,00,000.00	18%	₹ 12,60,000.00	₹ 82,60,000.00
					₹ 24,71,20,858.91		₹ 44,81,754.60	₹ 29,16,02,613.51

SCHEDULE OF RATES (SOR-2) - BESS PART (20MW/50 MWh) - Part - B								
Sr.No	Description	UOM	Qty	Unit Rate	Total Basic (without Tax)	Tax (GST) %	Tax (GST) Amount	Total Amount (with Tax)
4	Freight & Insurance including Loading, Unloading, Storage, Handling at Site							
4.1	Freight & Insurance - BESS Containers	LS	1	₹ 70,00,000.00	₹ 70,00,000.00	18%	₹ 12,60,000.00	₹ 82,60,000.00
4.2	Freight & Insurance - Inverter BESS	LS	1	₹ 30,00,000.00	₹ 30,00,000.00	18%	₹ 5,40,000.00	₹ 35,40,000.00
4.3	Freight & Insurance - Power Transformer - BESS	LS	1	₹ 50,00,000.00	₹ 50,00,000.00	18%	₹ 9,00,000.00	₹ 59,00,000.00
4.4	Freight & Insurance - Inverter Duty Transformer - BESS	LS	1	₹ 50,00,000.00	₹ 50,00,000.00	18%	₹ 9,00,000.00	₹ 59,00,000.00
4.5	Freight & Insurance - HT Panel BESS	LS	1	₹ 20,00,000.00	₹ 20,00,000.00	18%	₹ 3,60,000.00	₹ 23,60,000.00
4.6	Freight & Insurance - Switchyard Equipments	LS	1	₹ 50,00,000.00	₹ 50,00,000.00	18%	₹ 9,00,000.00	₹ 59,00,000.00

4.7	Freight & Insurance - Transmission Line Equipments	LS	1	₹	20,00,000.00	₹	20,00,000.00	18%	₹	3,60,000.00	₹	23,60,000.00	
4.8	Freight & Insurance - Other Equipments	LS	1	₹	18,90,107.00	₹	18,90,107.00	18%	₹	3,40,219.26	₹	22,30,326.26	
5	Testing in respect of all the Equipments Supplied and any other Services Specified in the Tender Documents												
5.1	Battery - BESS - Installation	Nos	10	₹	4,00,000.00	₹	40,00,000.00	18%	₹	7,20,000.00	₹	47,20,000.00	
5.2	Inverter - BESS - Installation	Nos	10	₹	4,00,000.00	₹	40,00,000.00	18%	₹	7,20,000.00	₹	47,20,000.00	
5.3	Inverter Duty Transformer - BESS - Installation	Nos	5	₹	4,00,000.00	₹	20,00,000.00	18%	₹	3,60,000.00	₹	23,60,000.00	
5.4	Power Transformer - BESS - Installation	Nos	1	₹	5,00,000.00	₹	5,00,000.00	18%	₹	90,000.00	₹	5,90,000.00	
5.5	HT Switchboard Panel - BESS - Installation	Lot	1	₹	20,00,000.00	₹	20,00,000.00	18%	₹	3,60,000.00	₹	23,60,000.00	
5.6	Earthing & Lightning - BESS Installation	LS	1	₹	8,90,107.00	₹	8,90,107.00	18%	₹	1,60,219.26	₹	10,50,326.26	
5.7	Fencing Installation - Switchyard and BESS	LS	1	₹	10,00,000.00	₹	10,00,000.00	18%	₹	1,80,000.00	₹	11,80,000.00	
5.8	Switchyard Equipment - Lightning Arrestor	Nos	12	₹	1,50,000.00	₹	18,00,000.00	18%	₹	3,24,000.00	₹	21,24,000.00	
5.9	Switchyard Equipment - Circuit Breaker	Nos	5	₹	3,00,000.00	₹	15,00,000.00	18%	₹	2,70,000.00	₹	17,70,000.00	
5.10	Switchyard Equipment - Current Transformer	Nos	27	₹	1,50,000.00	₹	40,50,000.00	18%	₹	7,29,000.00	₹	47,79,000.00	
5.11	Switchyard Equipment - Potential Transformer	Nos	24	₹	1,50,000.00	₹	36,00,000.00	18%	₹	6,48,000.00	₹	42,48,000.00	
5.12	Switchyard Equipment - ABT Meter	Nos	4	₹	1,00,000.00	₹	4,00,000.00	18%	₹	72,000.00	₹	4,72,000.00	
5.13	Switchyard Equipment - Isolator	Nos	14	₹	2,00,000.00	₹	28,00,000.00	18%	₹	5,04,000.00	₹	33,04,000.00	
5.14	Switchyard Equipment - CRP Panel	Lot	1	₹	2,00,000.00	₹	2,00,000.00	18%	₹	36,000.00	₹	2,36,000.00	
5.15	Switchyard Equipment - Balance of System	Lot	1	₹	2,00,000.00	₹	2,00,000.00	18%	₹	36,000.00	₹	2,36,000.00	
5.16	Switchyard Equipment - Cable Laying, Installation and Termination	Lot	1	₹	2,00,000.00	₹	2,00,000.00	18%	₹	36,000.00	₹	2,36,000.00	
5.17	66KV Transmission Line Installation	Lot	1	₹	10,00,000.00	₹	10,00,000.00	18%	₹	1,80,000.00	₹	11,80,000.00	
5.18	Testing and Commissioning including Performance testing - BESS & SY	Lot	1	₹	7,50,000.00	₹	7,50,000.00	18%	₹	1,35,000.00	₹	8,85,000.00	
6	Civil and allied works including construction of Tranchea, Module Mounting Structure, foundations, etc of all the Equipments Supplied.												
6.1	Main Control Room - Excavation Foundations Columns up to Plinth & Plinth beams	LS	1	₹	2,00,00,000.00	₹	2,00,00,000.00	18%	₹	36,00,000.00	₹	2,36,00,000.00	
6.2	Main Control Room - Untel beam Column up to Roof slab	LS	1	₹	2,00,00,000.00	₹	2,00,00,000.00	18%	₹	36,00,000.00	₹	2,36,00,000.00	
6.3	Main Control Room - Roof slab	LS	1	₹	3,00,00,000.00	₹	3,00,00,000.00	18%	₹	54,00,000.00	₹	3,54,00,000.00	
6.4	Main Control Room - Brickwork & Plaster	LS	1	₹	1,00,00,000.00	₹	1,00,00,000.00	18%	₹	18,00,000.00	₹	1,18,00,000.00	
6.5	Main Control Room - Plastering, Flooring, Painting, Door, Windows	LS	1	₹	50,00,000.00	₹	50,00,000.00	18%	₹	9,00,000.00	₹	59,00,000.00	
6.6	Main Control Room - Sanitary, Waterlines, Electrical fixtures, Furniture & other finishing works	LS	1	₹	50,00,000.00	₹	50,00,000.00	18%	₹	9,00,000.00	₹	59,00,000.00	
6.7	LCR/CR Foundations - BESS	LS	5	₹	50,68,129.00	₹	2,53,40,645.00	18%	₹	45,61,316.10	₹	2,99,01,961.10	
6.8	Switchyard Equipment Foundations - Lightning Arrestor	Nos	12	₹	10,00,000.00	₹	1,20,00,000.00	18%	₹	21,60,000.00	₹	1,41,60,000.00	
6.9	Switchyard Equipment Foundations - Circuit breaker	Nos	5	₹	30,00,000.00	₹	1,50,00,000.00	18%	₹	27,00,000.00	₹	1,77,00,000.00	
6.10	Switchyard Equipment Foundations - Current Transformer	Nos	27	₹	5,00,000.00	₹	1,35,00,000.00	18%	₹	24,30,000.00	₹	1,59,30,000.00	
6.11	Switchyard Equipment Foundations - Potential Transformer	Nos	24	₹	5,00,000.00	₹	1,20,00,000.00	18%	₹	21,60,000.00	₹	1,41,60,000.00	
6.12	Switchyard Equipment Foundations - ABT Meter	Nos	4	₹	2,50,000.00	₹	10,00,000.00	18%	₹	1,80,000.00	₹	11,80,000.00	
6.13	Switchyard Equipment Foundations - Cable trench	LS	1	₹	30,00,000.00	₹	30,00,000.00	18%	₹	5,40,000.00	₹	35,40,000.00	
6.14	Switchyard Equipment Foundations - Isolator	Nos	14	₹	5,00,000.00	₹	70,00,000.00	18%	₹	12,60,000.00	₹	82,60,000.00	
6.15	Switchyard Equipment Foundations - Balance of System	Lot	1	₹	15,00,000.00	₹	15,00,000.00	18%	₹	2,70,000.00	₹	17,70,000.00	
6.16	66KV Transmission Line Foundations	Lot	1	₹	50,00,000.00	₹	50,00,000.00	18%	₹	9,00,000.00	₹	59,00,000.00	
Total						₹	24,71,20,459.00		₹	4,44,41,784.92	₹	29,16,02,243.92	
Grand Total										₹	8,89,63,509.22	₹	58,32,05,227.13

Notes-

- a) This billing break up is for on account payment purpose only.
b) The quantity of item indicated in BBU are only for billing purpose and the same shall be supplied as per finalised approved schemes/documents.
c) PQEL to ensure supply of all items as per approved drawing/ data sheet/technical specification without any extra cost implication to SECI
d) PQEL shall ensure that items not covered here but are required to make the equipments/systems complete in all respect for its safe and reliable, efficient and troublefree working/ operation in line with the provisions of the contract without any
e) For items with UoM as Lot, Detail break-up with Qty shall be shared during evolution of the BBU on detailed engineering and site execution.



Solar Energy Corporation of India Ltd., Leh - MMS Structure Bifurcation

2PX12 Exterior - Two Legged Module Mounting Structure Bill of Material @ Solar Energy Corporation of India Ltd., Leh				
SR. NO.		ITEM DESCRIPTION & DETAIL OF WORK	NO./TABLE (no.)	LENGTH (m)
1	COLUMN	1.1 COLUMN		
		1.1.1 LONG COLUMN - C CHANNEL 150X70X25X3.15	6	3.238
		1.1.2 SHORT COLUMN - C CHANNEL 150X70X25X3.15	6	2.146
		1.2 COLUMN CONNECTOR		
2	RAFTER	1.2.1 L ANGLE ISA 40X40X4.0	12	0.250
		2.1 RAFTER		
		2.1.1 C CHANNEL 150X50X25X2.5	6	4.000
		2.2 CLEAT ANGLE		
3	BRACING	2.2.1 LU 125X95X4.0	24	0.080
		3.1 COLUMN TO RAFTER BRACING		
		3.1.1 FRONT C CHANNEL 50X40X13X2.0	6	0.542
		3.1.2 BACK C CHANNEL 50X40X13X2.0	6	1.076
4	PURLIN	3.1.3 STAY C CHANNEL 100X60X15X2.0	3	3.167
		3.2 BRACING CONNECTOR		
		3.2.1 L ANGLE ISA 40X40X4.0	12	0.250
		4.1 PURLIN		
		4.1.1 C1 CHANNEL 150X50X20X2.0	4	5.142
		4.1.2 C2 CHANNEL 150X50X20X2.0	4	3.556
		4.1.3 C3 CHANNEL 150X50X20X2.0	4	5.142
		4.2 SAG CHANNEL		
		4.2.1 C1 CHANNEL 30X30X2.0 WITHOUT LIP	5	3.748
		4.2.2 C2 CHANNEL 30X30X2.0 WITHOUT LIP	4	1.502
		4.3 PURLIN CONNECTION PLATE		
		4.3.1 P1 FLAT PLATE 230X130X4.0	8	0.004
		4.3.2 P2 FLAT PLATE 160X50X4.0	16	0.004

2PX12 Interior - Single Module Mounting Structure Bill of Material @ Solar Energy Corporation of India Ltd., Leh				
SR. NO.		ITEM DESCRIPTION & DETAIL OF WORK	NO./TABLE (no.)	LENGTH (m)
1	COLUMN	1.1 COLUMN		
		1.1.1 C CHANNEL 200X90X25X3.15	6	2.838
		1.2 COLUMN CONNECTOR		
		1.2.1 L ANGLE ISA 40X40X4.0	6	0.250
2	RAFTER	2.1 RAFTER		
		2.1.1 C CHANNEL 90X60X15X2.5	6	4.000
		2.2 CLEAT ANGLE		
		2.2.1 LU 100X65X4.0	24	0.080
3	BRACING	3.1 COLUMN TO RAFTER BRACING		
		3.1.1 FRONT C CHANNEL 60X40X15X2.0	6	1.620
		3.1.2 BACK C CHANNEL 70X40X15X2.0	6	2.080
		3.1.3 STAY C CHANNEL 60X50X15X2.0	3	3.000
		3.2 BRACING CONNECTOR		
		3.2.1 C CHANNEL 100X40X15X2.0	6	0.450
		4.1 PURLIN		
		4.1.1 C1 CHANNEL 90X60X15X2.0	4	5.142
		4.1.2 C2 CHANNEL 90X60X15X2.0	4	3.556
		4.1.3 C3 CHANNEL 90X60X15X2.0	4	5.142
		4.2 PURLIN CONNECTION PLATE		
		4.2.1 P1 FLAT PLATE 230X90X4.0	8	0.004
		4.2.2 P2 FLAT PLATE 160X50X4.0	8	0.004
		4.3 PURLIN CONNECTION - SAG ROD		
		4.3.1 10.0 DIA ROD - 1 (100.0 mm Thread Length on both end)	10	1.480
		4.3.2 10.0 DIA ROD - 2 (100.0 mm Thread Length on both end)	5	0.980

