

Monthly Progress Report

300 MW Ground Mounted Solar PV Project – Ramagiri

Reporting Period: 01st June to 30th June 2025

1. Project Synopsis

1	Site Location	Ramagiri & Muthuvakuntla (Village), Sri Satya Sai (Dist.), Andhra Pradesh.
2	Scope	<ol style="list-style-type: none"> 1. Establishment of 300 MW SPV plant excluding Supply of Solar PV Modules. 2. Power Evacuation: Construction of 220 KV TL from 33/220kV PSS to AP 4 tower (14 kms). 3. Establishment of 220 KV Bay at PGCIL ISTS Sub-Station.
3	Land	1033 Acre.
4	Scheduled Project Commissioning	5th Feb 26.
5	AC : DC Ratio	300MW AC/390MWp DC.
6	MMS	Fixed Tilt.
7	EPC Contract Value	BOS Excluding Supply Solar PV Modules = Rs. 482.82 Crores.
8	Supply of Solar PV Modules by SECI	Supply of Solar PV Modules = Rs. 842.82 Crores.

2. Engineering Approvals

- Soil Resistivity Test Method Statement.
- Pile Pull Out & Lateral Test Procedure.
- Boundary Chain Link Fence Drawing.
- MMS Structural Designs & Drawings.
- Cable Sizing Calculations (DC, AC, Auxiliary, UPS).

3. Procurement & Ordering Status*

- Power Transformer ordering completed.
- MMS ordering done, MFC given for 2P X 26 & 2P X 13 (292.5 MWp).
- Central Inverter ordering completed.
- IDT ordering completed.
- HT Switchgear ordering completed.
- SCADA ordering completed.
- SCB Ordering completed.
- TL Stubs (50%) ordering completed.
- TL Tower Conductor and Hardware ordering completed.
- Sub-Station Breaker, CT, PT, WT, ISO, LA, CVT ordering completed.

**Note: Delivery schedule shall be provided from next month onwards.*

Next Month Ordering Target:

- Auxiliary LT Panel.
- Auxiliary Transformer.
- DC String Cable.
- DC Power Cable.
- LT AC Power Cable.
- HT AC Power Cable.
- LT Power and control Cable.
- Communication Cable.
- UPS.
- NIFPS.
- ESE Lighting Arrestor.
- Earth Strip & Accessories.
- Earth Pit.
- HDPE Conduit (DWC).
- Cable Tray accessories.
- Fasteners for MMS.

4. Site Progress

A. Land Development Status

- Bush Cutting: 851 / 1033 Acres completed (82%).
- Land Grading: 851 / 1033 Acres completed (82%).
- Soil Investigation: 79 / 79 locations completed (100%).

Table 1: Plot wise status of Land grading and Bush cutting

Area	Description	Scope (Acres)	Completed (Acres)	Balance (Acres)	Completed (%)
Parcel 1	Bush Cutting	95	43	52	45%
Parcel 2	Bush Cutting	406	329	77	81%
Parcel 3	Bush Cutting	532	479	53	90%
Total		1033	851	182	82%
Area	Description	Scope (Acres)	Completed (Acres)	Balance (Acres)	Completed (%)
Parcel 1	Land Grading	95	43	52	45%
Parcel 2	Land Grading	406	329	77	81%
Parcel 3	Land Grading	532	479	53	90%
Total		1033	851	182	82%

B. Fencing and Pile Testing / Casting Progress

- Test Pile Casting: Completed.
- Fencing & Chain Link: In Progress.
- Design Mix: Completed but, Reports awaited.
- Piling Plan: Total ~117,228 nos. | Target Completion: Dec 2025.
- MMS Scope: 13,392 nos. | Target Completion: Dec 2025.

Table 2: Activities Status

#	Activity	Scope	UoM	Completed	Completed (%)	Balance	Target Date
1	Bush Cutting	1033	Acre	856	82%	177	Aug 25
2	Land Grading	1033	Acre	856	82%	177	Aug 25
3	Test Pile Casting	240	Nos	0	100%	0	Completed
4	Fencing	23	km	0	0%	23	Sep 25
5	Pile Test	180	Nos	52	29%	128	July 25

5. Planning Schedule

Piling Plan: Total Scope ~ 117228 nos., Target Completion - Dec 25.

Activity	Scope	Done	Balance	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
Piling-Plan (Qty. in Nos.)	117228	0	117228	7500	22228	25500	28500	28500	5000

Resource Description (Qty. in Nos.)	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
DTH- Daily Avg Plan	4	5	6	6	6	1
Per Day Avg Ajax	4	5	6	7	7	2
Manpower- Daily Avg Plan	27	40	45	51	51	14

Plant Chain Link Fencing: Plan

Description (Qty. in KM)	W1 (07-13 Jul)	W2 (14-20 Jul)	W3 (21-27 Jul)	W4 (28-03 Aug)	W5 (04-10 Aug)	W6 (11-17 Aug)	W7 (18-24 Aug)	W8 (25-31 Aug)	W9 (01-06 Sep)
Fencing pole Auguring- Planned	3.2	3.2	3.2	3.5	3.2	2.7	3.2	0.8	-
Fencing pole Auguring- Forecast	3.2	3.2	3.2	3.5	3.2	2.7	3.2	0.8	-
Fencing pole Auguring- Actual	-	-	-	-	-	-	-	-	-
Fencing pole Casting- Planned	2.2	3.2	3.2	3.5	3.2	2.7	3.2	1.8	-
Fencing pole Casting- Forecast	2.2	3.2	3.2	3.5	3.2	2.7	3.2	1.8	-

Description (Qty. in KM)	W1 (07-13 Jul)	W2 (14-20 Jul)	W3 (21-27 Jul)	W4 (28-03 Aug)	W5 (04-10 Aug)	W6 (11-17 Aug)	W7 (18-24 Aug)	W8 (25-31 Aug)	W9 (01-06 Sep)
Fencing pole Casting-Actual	-	-	-	-	-	-	-	-	-
Mesh Fixing-Planned	0.7	3.2	3.2	3.5	3.2	2.7	3.2	3.2	0.1
Mesh Fixing-Forecast	0.7	3.2	3.2	3.5	3.2	2.7	3.2	3.2	0.1
Mesh Fixing- Actual	-	-	-	-	-	-	-	-	-
Barbed wire fixing-Planned	-	2.7	3.2	3.5	3.2	2.7	3.2	3.2	1.3
Barbed wire fixing-Forecast	-	2.7	3.2	3.5	3.2	2.7	3.2	3.2	1.3
Barbed wire fixing-Actual	-	-	-	-	-	-	-	-	-

MMS Erection: Total Scope- 13392 nos., Target Completion- Dec'25.

Description	Scope	Done	Balance	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
MMS Erection (Tables)	13392	0	13392	2550	2994	2850	3010	1988

MMS Required Resources: Avg Weekly Manpower

Description	W1 (28 Jul-02 Aug)	W2 03 Aug- 09 Aug)	W3 (10 Aug- 16 Aug)	W4 (17Aug- 23 Aug)	W5 (24 Aug- 30 Aug)	W6 (31 Aug- 06 Sep)	W7 (07 Sep- 13 Sep)	W8 (14- Sep- 20- Sep)	W9 (21- Sep- 27 Sep)	W10 (28 Sep- 04 Oct)	W11 (05 Oct- 11 Oct)	W12 (12 Oct- 18- Oct)	W13 (19 Oct- 25 Oct)	W14 (26 Oct- 01 Nov)	W15 (02 Nov- 08 Nov)	W16 (09 Nov- 15 Nov)	W15 (16 Nov- 22 Nov)	W15 (23 Nov- 29 Nov)	W15 (30 Nov- 06 Dec)
Avg. Weekly Manpower Required	80	85	91	133	131	139	136	149	147	166	166	151	165	168	156	172	162	107	57

ICR & IDT Civil Works: Planned completion date (Plot#3)

#	Area	Description	Plot-3													
			B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14
Block Capacity in MW			8.8	17.7	8.8	17.7	8.8	17.7	8.8	17.7	8.8	17.7	8.8	17.7	8.8	17.7
1	ICR	Excavation	25-Jul	27-Jul	01-Aug	28-Jul	30-Jul	04-Aug	07-Aug	09-Aug	11-Aug	13-Aug	16-Aug	18-Aug	17-Aug	19-Aug
2		PCC	27-Jul	29-Jul	03-Aug	30-Jul	01-Aug	06-Aug	09-Aug	11-Aug	13-Aug	15-Aug	18-Aug	20-Aug	19-Aug	21-Aug
3		Footing	01-Aug	03-Aug	08-Aug	04-Aug	06-Aug	11-Aug	14-Aug	16-Aug	18-Aug	20-Aug	23-Aug	25-Aug	24-Aug	26-Aug
4		Column	08-Aug	10-Aug	15-Aug	11-Aug	13-Aug	18-Aug	21-Aug	23-Aug	25-Aug	27-Aug	30-Aug	01-Sep	31-Aug	02-Sep
5		Slab Shuttering	13-Aug	15-Aug	20-Aug	16-Aug	18-Aug	23-Aug	26-Aug	28-Aug	30-Aug	01-Sep	04-Sep	06-Sep	05-Sep	07-Sep
6		Beam & Slab Casting	22-Aug	24-Aug	29-Aug	25-Aug	27-Aug	01-Sep	04-Sep	06-Sep	08-Sep	10-Sep	13-Sep	15-Sep	14-Sep	16-Sep
7		Slab De-shuttering	05-Sep	07-Sep	12-Sep	08-Sep	10-Sep	15-Sep	18-Sep	20-Sep	22-Sep	24-Sep	27-Sep	29-Sep	28-Sep	30-Sep

#	Area	Description	Plot-3													
			B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14
8		Shed Erection	15-Nov	15-Nov	15-Nov	15-Nov	25-Nov	25-Nov	25-Nov	25-Nov	05-Dec	05-Dec	05-Dec	05-Dec	15-Dec	15-Dec
9		Finishing Works	19-Nov	19-Nov	19-Nov	19-Nov	29-Nov	29-Nov	29-Nov	29-Nov	09-Dec	09-Dec	09-Dec	09-Dec	19-Dec	19-Dec
1	IDT	Excavation	25-Jul	27-Jul	01-Aug	28-Jul	30-Jul	04-Aug	07-Aug	09-Aug	11-Aug	13-Aug	16-Aug	18-Aug	17-Aug	19-Aug
2		PCC	27-Jul	29-Jul	03-Aug	30-Jul	01-Aug	06-Aug	09-Aug	11-Aug	13-Aug	15-Aug	18-Aug	20-Aug	19-Aug	21-Aug
3		Raft	02-Aug	04-Aug	09-Aug	05-Aug	07-Aug	12-Aug	15-Aug	17-Aug	19-Aug	21-Aug	24-Aug	26-Aug	25-Aug	27-Aug
4		Pedestal- 1st lift	06-Aug	08-Aug	13-Aug	09-Aug	11-Aug	16-Aug	19-Aug	21-Aug	23-Aug	25-Aug	28-Aug	30-Aug	29-Aug	31-Aug
5		Pedestal- final lift	11-Aug	13-Aug	18-Aug	14-Aug	16-Aug	21-Aug	24-Aug	26-Aug	28-Aug	30-Sep	02-Sep	04-Sep	03-Sep	05-Sep
6		Grad Slab	18-Aug	20-Aug	25-Aug	21-Aug	23-Aug	28-Aug	31-Aug	02-Sep	04-Sep	06-Sep	09-Sep	11-Sep	10-Sep	12-Sep
7		Finishing Works	23-Aug	25-Aug	30-Aug	26-Aug	28-Aug	02-Sep	05-Sep	07-Sep	09-Sep	11-Sep	14-Sep	16-Sep	15-Sep	17-Sep
1	BOT	Excavation	05-Aug	05-Aug	05-Aug	05-Aug	10-Aug	10-Aug	10-Aug	10-Aug	17-Aug	17-Aug	17-Aug	17-Aug	25-Aug	25-Aug
2		PCC	10-Aug	10-Aug	10-Aug	10-Aug	16-Aug	16-Aug	16-Aug	16-Aug	22-Aug	22-Aug	22-Aug	22-Aug	30-Aug	30-Aug
3		Raft	15-Aug	15-Aug	15-Aug	15-Aug	21-Aug	21-Aug	21-Aug	21-Aug	27-Aug	27-Aug	27-Aug	27-Aug	04-Sep	04-Sep
4		Wall	25-Aug	25-Aug	25-Aug	25-Aug	31-Aug	31-Aug	31-Aug	31-Aug	06-Sep	06-Sep	06-Sep	06-Sep	14-Sep	14-Sep
5		Shuttering	28-Aug	28-Aug	28-Aug	28-Aug	03-Sep	03-Sep	03-Sep	03-Sep	09-Sep	09-Sep	09-Sep	09-Sep	17-Sep	17-Sep

#	Area	Description	Plot-3													
			B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14
6		Slab Casting	08-Sep	08-Sep	08-Sep	08-Sep	14-Sep	14-Sep	14-Sep	14-Sep	20-Sep	20-Sep	20-Sep	20-Sep	28-Sep	28-Sep
7		De-Shuttering	22-Sep	22-Sep	22-Sep	22-Sep	28-Sep	28-Sep	28-Sep	28-Sep	04-Oct	04-Oct	04-Oct	04-Oct	12-Oct	12-Oct
6		Pipe Fitting	20-Oct	22-Oct	24-Oct	26-Oct	28-Oct	30-Oct	01-Nov	03-Nov	05-Nov	07-Nov	09-Nov	11-Nov	13-Nov	15-Nov
1	NIFPS	Excavation	NA	05-Aug	NA	05-Aug	NA	10-Aug	NA	10-Aug	NA	17-Aug	NA	17-Aug	NA	25-Aug
2		PCC	NA	11-Aug	NA	11-Aug	NA	17-Aug	NA	17-Aug	NA	23-Aug	NA	23-Aug	NA	31-Aug
3		Raft	NA	16-Aug	NA	16-Aug	NA	22-Aug	NA	22-Aug	NA	28-Aug	NA	28-Aug	NA	05-Sep
4		Column	NA	21-Aug	NA	21-Aug	NA	27-Aug	NA	27-Aug	NA	02-Sep	NA	02-Sep	NA	10-Sep

Jul'25 Month Plan- Construction

Description	UoM	Scope	Jun-25 Actual	Completed till Jun-25	Balance till Jun-25	% Completion till Jun-25	Jul-25 Planned
Bush Cutting	Acre	1033	327	841	192	81%	192
Land Grading	Acre	1033	327	841	192	81%	192
MMS Pile Casting	Nos.	117228	0	0	117228	0%	7500
Test Pile Casting	Nos.	180	132	180	0	100%	0

Pile Test	Nos.	180	36	36	144	20%	144
Fencing-Plant	meter	23000	0	0	23000	0%	7900
Fencing-Office Area	meter	900	900	900	0	100%	0
Store shed installation	Lot	1	0	0	1	0%	1
Quality Lab Setup	Lot	1	1	1	0	100%	0

July'25 Month Plan- Material Delivery at Site

#	Particulars	Specifications	UoM	Qty as per BBU	Planned Delivery in Jul-25
1	Plant Chain Link Fencing	As per design	M	21000	14000
2	MMS	HDG	MT	5800	2000
3	MMS	Galvalume	MT	4700	1800
4	MMS	Fastener	MT	514	50

Engineering- General Drawing

#	Description	Target	Remarks
1	Master Document List	12 Feb, 25	Submitted
2	Overall Plant Layout	11 May, 25	Approved in CAT-2
3	MMS - Pile Foundation Design Calculation	04 Jun, 25	Revised to be submitted, 8 Jul'25
4	MMS Design and GA diagram		Approved in CAT-1
5	Lighting Fixtures with calculations	04 Jun, 25	25 Jul'25
6	ICR Equipment Layout	21 Apr, 25	Approved in CAT-2
7	ICR Equipment Foundation Civil Drawing	18 May, 25	Submitted under SECI Review
8	AC sizing calculation	07 Apr, 25	Approved in CAT-1
9	DC sizing calculation	07 Apr, 25	Approved in CAT-1
10	Earthing calculation	06 May, 25	Approved in CAT-2
11	DC Cable schedule, laying and sectional drawings	11 Jun, 25	10 Jul'25
12	AC Cable schedule, laying and sectional drawings	08 Jun, 25	10 Jul'25
13	Control and Communication Cable schedule,	08 Jun, 25	25 Jul'25
14	AC SLD	04 Mar, 25	Approved in CAT-1
15	DC SLD	29 Mar, 25	12 Jul'25
16	AUX SLD	29 Mar, 25	15 Jul'25
17	Fencing layout & Drawing	05 Apr, 25	Drawing approved in CAT-1
18	Road Calculations, Cross sections & Layout drawing	25 Apr, 25	12 Jul'25

Manufacturing, FAT and Delivery at site- Key Equipment

#	Description	Start	Finish	Expected Delivery
1	Module Mounting Structure	19 May, 25	06 Nov, 25	06 Nov, 25
2	Inverter Duty Transformer	28 May, 25	25 Nov, 25	25 Nov, 25
3	NIFPS	10 Jun, 25	08 Nov, 25	08 Nov, 25
4	ICOG/RMU PANEL	30 May, 25	28 Oct, 25	28 Oct, 25
5	Main HT Switchgear Panel	30 May, 25	28 Oct, 25	28 Oct, 25
6	Auxiliary LT Panel	14 Jun, 25	13 Oct, 25	13 Oct, 25
7	Auxiliary Transformer	08 Jun, 25	13 Oct, 25	13 Oct, 25
8	Central Inverter(PCU)	22 May, 25	19 Sep, 25	20 Oct, 25
9	String Combiner Box (SCB)	08 May, 25	05 Sep, 25	05 Sep, 25
10	DC string cable	07 Jun, 25	06 Oct, 25	06 Oct, 25
11	DC power cable	24 May, 25	21 Sep, 25	21 Sep, 25
12	LT AC power cable	16 May, 25	13 Sep, 25	13 Sep, 25
13	HT AC power cable	07 Jun, 25	06 Oct, 25	06 Oct, 25
14	LT power and control cables	30 May, 25	27 Sep, 25	27 Sep, 25
15	Communication cables	30 May, 25	27 Sep, 25	27 Sep, 25
16	SCADA system	30 May, 25	27 Sep, 25	27 Sep, 25
17	UPS and Battery System	07 Jun, 25	06 Oct, 25	06 Oct, 25
18	SVG	14 Jun, 25	13 Oct, 25	13 Oct, 25
19	Harmonic Filter and its Acessories	07 Jul, 25	01 Dec, 25	01 Dec, 25
20	Other BOQ (Lighting, Gland, Lungs, HT termination KIT etc.)	31 Aug, 25	29 Dec, 25	29 Dec, 25

Construction Plan- As per L2

#	Description	Planned Start	Planned Finish	Actual/ Expected Start	Actual/ Expected Finish	Remarks
1	Soil investigation Report (5m)	15 th Feb 25	20 th Mar 25	15 th Mar 25	19 th Mar 25	Completed
2	Soil investigation Report (10m)	25 th Mar 25	15 th Apr 25	26 th Mar 25	28 th Apr 25	Completed
3	Topography Survey	23 rd Feb 25	14 th Mar 25	23 rd Feb 25	15 th Mar 25	Completed
4	ERT Test	2 nd Apr 25	13 th Apr 25	6 th Apr 25	10 th Mar 25	Completed
5	Area Development	3 rd Apr 25	1 st Aug 25	7 th Apr 25	1 st Aug 25	WIP
6	MMS Foundation	16 th Jun 25	04 th Dec 25	14 th Jul 25	04 th Dec 25	
7	ICR Civil Work	13 th Jun 25	11 th Nov 25	25 th Jul 25	11 th Nov 25	
8	MMS Work	11 th Jul 25	19 th Dec 25	28 th Jul 25	19 th Dec 25	
9	DC Work	18 th Jul 25	10 th Jan 26	5 th Aug 25	10 th Jan 26	
10	AC Work	12 th Sep 25	07 ^h Jan 26	12 th Sep 25	07 ^h Jan 26	
11	Pre-Commissioning	28 th Jul 25	15 th Jan 26	28 th Jul 25	15 th Jan 26	
12	Grant of Energization (CEA Approval)	27 th Nov, 25	26 th Dec, 25	27 th Nov, 25	26 th Dec, 25	
13	Connection agreement from CTU and FTC from LDC	21 st Dec, 25	09 th Jan, 26	21 st Dec, 25	09 th Jan, 26	
14	Plant charging commissioning, Trial Run and COD	10 th Jan 26	05 th Feb 26	10 th Jan 26	05 th Feb 26	
