

Annexure-1

i. SPD's at Pavagada Solar Park

As per the special meeting held on 07.05.2024, all the SPDs connected to Pavagada SS have to submit the models and study reports by 15th May 2024.

Sl. No.	Name of the plant/ Developer	Capacity (MW)	Last capacity commissioned Date	Model submission status	Reactive compensation details	PPC status	Harmonic measurement status (for FY 2024-25)	Harmonic measurement status (for FY 2025-26)
1	AMPLUS TUMKUR SOLAR ENERGY ONE PVT LTD	50	03-02-2018	Plant level steady state models submitted to KSPDCL.	Not submitted	Commissioned. Reference to be shifted to 220kV POI	Harmonic violations observed. Suitable harmonic filters need to be installed.	1. 201 Bay <ul style="list-style-type: none"> • Harmonics -3rd in R & B Phase. • DC injection- Y phase
2	AMPLUS PAVAGADA SOLAR ENERGY TWO PVT LTD	50	03-02-2018	Plant level steady state models submitted to KSPDCL.	Not submitted	Commissioned. Reference to be shifted to 220kV POI		2. 202 Bay <ul style="list-style-type: none"> • Harmonics- 3rd in R Phase.
3	AVAADA SOLAR ENERGY PVT LTD	150	27-02-2019	Not submitted	Not submitted	Commissioned. Reference to be shifted to 220kV POI		3. 203 Bay- Nil
4	Avvada Solarise Energy Pvt Ltd	150	27-02-2019	Not submitted	Not submitted	Commissioned. Reference to be shifted to 220kV POI		4. 204 Bay <ul style="list-style-type: none"> • Harmonics- 3rd in B Phase.
5	AZURE Power private limited	100	03-06-2019	Not submitted	Not submitted	Commissioned. Reference to be shifted to 220kV POI	No harmonic Violations	5. 206 Bay <ul style="list-style-type: none"> • Harmonics- 3rd in B Phase. • DC Injection-R&Y
6	FORTUM FINNSURYA ENERGY PVT LTD	100	14-01-2018	Plant level steady state models submitted to KSPDCL.	Not submitted	Commissioned. Reference to be shifted to 220kV POI	Harmonic violations observed. Suitable harmonic filters need to be installed.	6. 208 Bay <ul style="list-style-type: none"> • DC Injection-R&Y
								7. 210 Bay- Nil
								8. 212 Bay- Nil
								For 201,202,204,206 & 208 bays suitable harmonic filters need to be installed.

Sl. No.	Name of the plant/ Developer	Capacity (MW)	Last capacity commissioned Date	Model submission status	Reactive compensation details	PPC status	Harmonic measurement status (for FY 2024-25)	Harmonic measurement status (for FY 2025-26)
12	TATA POWER RENEWABLE ENERGY LTD	400	04-04-2019	Plant level steady state models submitted to KSPDCL.	Plant level steady state models submitted to KSPDCL.	Commissioned. Reference to be shifted to 220kV POI		
13	YARROW INFRASTRUCTURE PRIVATE LIMITED	50	19-01-2018	Not submitted	Not submitted	Commissioned. Reference to be shifted to 220kV POI		
14	Adyah Solar Energy Private Limited	300	29-03-2019	Not submitted	Not submitted	Commissioned. Reference to be shifted to 220kV POI		

Sl. No.	Name of the plant/ Developer	Capacity (MW)	Last capacity commissioned Date	Model submission status	Reactive compensation details	PPC status	Harmonic measurement status (for FY 2024-25)	Harmonic measurement status (for FY 2025-26)
4	BETAM WIND ENERGY PVT LTD	220	22-10-2021	Final models not submitted (Entire capacity commissioning status)	Only 30MVAR capacitors installed. Further reactive assessment is not submitted	Commissioned. PPC reference need to be confirmed.	No harmonic violations observed	Not submitted
5	GRT Jewellers (India) Private Limited	150	17-06-2022	Submitted	43MVAR. Yet to be installed. 3 to 4months mentioned in last subcommittee meeting	Commissioned. Reference is POI.	Submitted. 2nd, 4th & 5th CURRENT Harmonics are violating	Not submitted
6	NTPC Ettyapuram	230	15-12-2022	Final models not submitted. Mentioned that by two months	30MVAR installed. Complied	Commissioned. Reference is POI.	No harmonic violations observed	Yet to be conducted. Planned for Mar'26
7	JSW Renew Energy Two Limited	300	15-09-2024	Final models not submitted. Mentioned that by end of Apr'25	95MVAR installed. Complied	Commissioned. Reference is POI.	Submitted. No harmonic violation observed.	Conducted. No violations are observed.
8	JSW Renew Energy Ltd	540	31-03-2025	Final models not submitted.	99MVAR Capacitors installed	Commissioned. Reference is POI.	Filters installed on 19.09.2025. Yearly harmonics needs to be done to check the harmonic after commissioning of filters.	Conducted. 210MW plant DC injection in violation in R & Y-phase

Sl. No.	Name of the plant/ Developer	Capacity (MW)	Last capacity commissioned Date	Model submission status	Reactive compensation details	PPC status	Harmonic measurement status (for FY 2024-25)	Harmonic measurement status (for FY 2025-26)
6	Athena BHIWADI SOLAR POWER Pvt. Ltd.	50	08-04-2018	Not submitted	Developer informed that the models will be submitted in 2months	PPC Commissioned, reference to be shifted to 220kV POI	1.Individual Current distortion 25th Order is out of limit 2.Long term flicker is out of limits Status of Measurement in 2024-25. Based on 2025-26 measurement filters will be planned.	Not submitted
7	Athena HISAR SOLAR POWER Pvt. Ltd.	50	22-07-2018	Not submitted	Developer informed that the models will be submitted in 4 months	PPC Commissioned, reference to be shifted to 220kV POI	1.DC Current injection is out of limit 2.Long term flicker is out of limit for C-Phase	Not submitted
8	Athena KARNAL SOLAR POWER Pvt. Ltd.	50	22-07-2018	Not submitted	Developer informed that the models will be submitted in 4 months	PPC Commissioned, reference to be shifted to 220kV POI	1.DC Current injection is out of limit 2.Long term flicker is out of limit for C-Phase	Not submitted
9	Azure Power thirty-six private limited	50	06-04-2018	Developer informed that the models will be submitted by Dec-2024	Developer informed that the reactive compensation details by Dec-2024	Developer informed that PPC will be installed by May-2025	1.Individual Current distortion 25th Order is out of limit 2.Long term flicker is out of limits Status of Measurement in 2024-25	Not submitted
10	IndiGrid Solar-I (AP) Private Limited	50	22-07-2018	Models up to 33kV Submitted (PSSE Detailed and PSCAD Harmonic model).	Reactive Compensation studies upto 33kV is submitted	PPC commissioned	Submitted. No violations are observed.	Not submitted

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4	TPVardhaman	198	02-02-2026	Final models not submitted	Commissioned 130MVar (2*50+30 MVar)	Commissioned	N/A	Not submitted.

v. RE plants connected to 400kV Kurnool pooling station

Sl. No.	Name of the plant/ Developer	Capacity (MW)	Last capacity commissioned Date	Model submission status	Reactive compensation details	PPC status	Harmonic measurement status (for FY 2025-26)
1	AMGEPL	907	18-04-2025	Not Submitted	Installed	Commissioned	Solar Plant - Individual Current – 2 nd Harmonic in all 3Phases. -Long term flicker in Y phase. Wind Plant -Long term flicker in Y phase.

vi. RE plants connected to 765/400kV Kurnool-3 pooling station

Sl. No.	Name of the plant/ Developer	Capacity (MW)	Last capacity commissioned Date	Model submission status	Reactive compensation details	PPC status	Harmonic measurement status (for FY 2025-26)
1	SAEL Solar MHP1 Pvt. Ltd	359.7	30-01-2026	Final models not Submitted	N/A	Commissioned	Not submitted
2	SAEL Solar MHP2 Pvt. Ltd	359.7	13-03-2026	Final models not Submitted	N/A	Commissioned	Not submitted

viii. RE plants connected to 400kV Gadag pooling station

Sl. No.	Name of the plant/ Developer	Capacity (MW)	Last capacity commissioned Date	Model submission status	Reactive compensation details	PPC status	Harmonic measurement status (for FY 2024-25)	Harmonic measurement status (for FY 2025-26)
1	Vena Energy Vidyuth Private Ltd	160	31-10-2024	Final models not submitted	Installed	Commissioned	Not carried out for 2024-25.	Conducted. In Voltage (5th Harmonic) and in Current (48th and 50th Harmonics)
2	RSPPL	300	06-02-2026	Final models not submitted	2*50MVAR	Commissioned	N/A	

ix. Floating Solar plants

Sl. No.	Name of the plant/ Developer	Capacity (MW)	Last capacity commissioned Date	Model submission status	Reactive compensation details	PPC status	Harmonic measurement status (for FY 2024-25)	Harmonic measurement status (for FY 2025-26)
1	NTPC Ramagundam Floating Solar	100	07-01-2022	Final validated models not submitted mentioned by 10 th March 2026	Not submitted. Identification by 10 th Mar'26	Commissioned	Not submitted	Conducted. No violations are observed.
2	NTPC Simhadri Floating Solar	25	21-08-2021	Final validated models not submitted mentioned by 15 th April 2026	Not submitted. Identification by 15 th Apr'26	Commissioned	Not submitted	