



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
उत्तर क्षेत्रीय विद्युत समिति
Northern Regional Power Committee

विषय: उ.क्षे.वि.स. की नवीकरणीय ऊर्जा उप-समिति की 5^{वीं} बैठक की कार्यसूची।

Subject: Agenda of the 5th meeting of Renewable Energy Sub-committee of NRPC.

उ.क्षे.वि.स. की नवीकरणीय ऊर्जा उप-समिति की 5^{वीं} बैठक का आयोजन 06.02.2026 (10:30 बजे से) को एनआरपीसी सचिवालय, कांग्रेस हॉल, नई दिल्ली में किया जाएगा। उक्त बैठक की कार्यसूची उत्तर क्षेत्रीय विद्युत समिति की वेबसाइट <https://nrpc.gov.in> पर उपलब्ध है।

कृपया बैठक में उपस्थित होने की सुविधा प्रदान करें।

The 5th Renewable Energy sub-committee meeting of NRPC is scheduled to be held on 06.02.2026 (10:30 hrs. onwards) at NRPC Secretariat, Conference Hall, New Delhi. The agenda of this meeting has been uploaded on the NRPC web-site <https://nrpc.gov.in>.

Kindly make it convenient to attend the meeting.

ओमकिशोर
03/02/2026

(ओमकिशोर)

कार्यपालक अभियंता (प्रचालन)

सेवा में : उ.क्षे.वि.स. की नवीकरणीय ऊर्जा उप समिति के सभी सदस्य।
To : All Members of Renewable Energy Sub-committee of NRPC

List of addressee (via mail)

List of Members of Renewable Energy Sub-committee

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22	Adani Hybrid Energy Jaisalmer Three Ltd.	
23	Adani Hybrid Energy Jaisalmer Four Ltd.	
24	Adani Renewable Energy (RJ) limited Rawara	
25	Adani Solar Energy Jaisalmer One Pvt. Ltd. 450MW (Solar)	
26	Adani Solar Energy Four Private Limited	
27	Adani Solar Energy Jaisalmer Two Private Limited	
28	Adani Solar Energy Jaisalmer Two Private Limited Project Two	

कार्यसूची: उ.क्षे. वि. स. की नवीकरणीय ऊर्जा उप-समिति की 5^{वीं} बैठक

29	SB ENERGY FOUR PRIVATE LIMITED, Bhadla	
30	SB Energy Six Private Limited, Bhadla	
31	Adani Solar Energy Jodhpur Two Limited, Rawara	
32	Adani Solar Energy RJ Two Pvt. Ltd. (Devikot)	
33	Adani Solar Energy RJ Two Pvt. Ltd. (Phalodi)	
35	Adani Green Energy Twenty Four Limited	
36	ADANI GREEN ENERGY TWENTY FIVE LIMITED	
37	Adani Solar Energy Jodhpur Six Pvt. Ltd.	
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42	AMP Energy Green Six Pvt. Ltd.	vbhattacharya@ampenergyindia.com;
43	AMP Energy Green Four Pvt. Ltd.	
44	Amplus Ages Private Limited	manish.tak@amplussolar.com;
45	Avaada RJHN 240MW	
46	Avaada sunce energy Pvt limited	
47	Avaada Sunrays Pvt. Ltd.	alpesh.prajapati@avaada.com;
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53	Azure Power Forty Three Pvt. Ltd. RSS	manohar.reddy@azurepower.com;
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60	Eden Renewable Alma Pvt. Ltd.	dejendra.Sharma@eden-re.com;
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68	Megasolis Renewable Private Limited	pankaj.vaidya@seit.co.in; niraj.shah@seit.co.in;
69	Mega Surya Urja Pvt. Ltd. (MSUPL)	
70	NTPC Devikot Solar plant_240MW	rajivgupta@ntpc.co.in;
71	NTPC Kolayat_400kV	
72	Nedan Solar NTPC	
73	NTPC Nokh Solar	
74	NTPC Nokhra_300MW	
75	One Volt energy Pvt. Ltd.	amarjeet.thakur@amplussolar.com;
76	ReNew Solar Energy (Jharkhand Three) Private Limited	purnendu.chaubey@renew.com; kailash.pandey@renew.com;
77	RENEW SOLAR POWER Pvt. Ltd. Bhadla	
78	Renew Sun Bright Pvt. Ltd. (RSBPL)	
79	Renew Sun Waves Private Limited (RSEJ4L)	
80	Renew Surya Partap Pvt. Ltd.	
81	Renew Surya Ravi Pvt. Ltd.	
82	Renew Surya Roshni Pvt. Ltd.	
83	Renew Surya Vihan Pvt. Ltd.	
84	RENEW SOLAR POWER Pvt. Ltd. Bikaner	
85	Neemba Solar Plant Renew Surya Vihaan Pvt. Ltd.	
86	Renew Surya Jyoti Pvt. Ltd.	
87	ReNew Solar Urja Private Limited	Anilbhai.chaudhari@indigrid.com; Rohit.kashav@indigrid.com;
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89	Rising Sun Energy-K Pvt. Ltd.	tushar.gahlot@risingsunenergy.in;
90	Serentica Renewables India 4 Private Limited	ashwary.sharma@serenticaglobal.com;
91	Serentica Renewables India 5 Private Limited	
92	Khidrat Renewable Energy Pvt. Ltd.	
	SJVN Green Energy Limited	cso.sgel@sjvn.nic.in
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94	Tata Power Renewable Energy Ltd. (TPREL)	anil.pareek@tatapower.com; imran.khan@tatapower.com;
95	Thar Surya Pvt. Ltd.	vivek.reddy2@enel.com; mahendra.vishnoi2@enel.com;
96	TP Surya Pvt. Ltd.	sivanarayana@tatapower.com; sagar.potdar@tatapower.com;
97	Banderwala Solar Plant TP Surya Ltd.	arun.sahoo@tatapower.com;
98	Adept Renewable Technologies Pvt. Ltd.	kak@evrenenergy.com;
99	TRANSITION CLEANTECH SERVICES PRIVATE LIMITED	
100	TRANSITION ENERGY SERVICES PRIVATE LIMITED	
101	Transition Green Energy Private	

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	Limited	
102	Transition Sustainable Energy Services Private Limited	
103	Transition Sustainable Energy Services One Pvt Ltd	
Intra-state RE generators having capacity 250MW & above		
104	NTPC RSDCL Bhadla-1 Solar	akdixena@ntpc.co.in;
105	NTPC Bhadla-2 Solar	
106	NTPC Bhensara Solar	rakeshswami@ntpc.co.in; riteshlakra01@ntpc.co.in;
107	Adani Solar Park Bhadla	yogesh.kumar@adani.com; areprl.bhadla@adani.com;
108	RENEW HANS URJA	mahendra.singh1@renew.com; ashutosh.pandey1@renew.com;
109	RENEW Photovoltaic	
110	FORTUM SOLAR PLUS P(Ltd.)	amitavmukerjee@sprngenergy.com; magsingh@sprngenergy.com;
111	CLEAN SOLAR ENERGY	kalpesh.umaretia@o2power.in; bhawani.singh01@o2power.in;
112	Acme power (Aklera)	prachi.chauhan@acme.in; planthead.barmer.solar@acme.in;
113	Sembcorp Green Infra Private Limited	harish.daukia@sembcorp.com; leeladhar.dudi@sembcorp.com;
114	SAURYA URJA	vinod.halge@sauryaurja.com; sambit.sahoo@sauryaurja.com;
115	Suzlon	manoj.verma@suzlon.com; nihal.singh@suzlon.com;
116	Inox Wind	indra.darji@inoxwind.com;
117	Enercon -1 & 2	jeetendra.kumar@windworldindia.com; jeetendrakumarchhangani@gmail.com;

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Agenda for 5th RE sub-committee meeting of NRPC

A.1. Confirmation of Minutes

A.1.1 4th RE Sub-committee meeting was held on 05.12.2025. Minutes of the meeting were issued vide letter dt. 09.01.2026. No comments received till now.

Decision required from Forum:

Forum may approve the minutes of ⁴th RE Sub-committee meeting.

A.2. Submission of periodic testing schedule of RE generators (agenda by NRPC Secretariat)

A.2.1 Regulation 40 (1) of CERC (IEGC) Regulations, 2023 stipulate that there shall be periodic tests, as required under clause (3) of this Regulation, carried out on power system elements for ascertaining the correctness of mathematical models used for simulation studies as well as ensuring desired performance during an event in the system.

A.2.2 The tests shall be performed once every five (5) years or whenever major retrofitting is done. If any adverse performance is observed during any grid event, then the tests shall be carried out even earlier, if advised by SLDC/RLDC/NLDC/RPC, as the case may be.

A.2.3 Further, Regulation 40(1)(b) stipulate that "All equipment owners shall submit a testing plan for the next year to the concerned RPC by 31st October to ensure proper coordination during testing as per the schedule. In case of any change in the schedule, the owners shall inform the concerned RPC in advance."

A.2.4 Extract of IEGC 2023 clause 40,

"40. PERIODIC TESTING

(1) There shall be periodic tests, as required under clause (3) of this Regulation, carried out on power system elements for ascertaining the correctness of mathematical models used for simulation studies as well as ensuring desired performance during an event in the system.

(2) General provisions

(a) The owner of the power system element shall be responsible for carrying out tests as specified in these regulations and for submitting reports to NLDC, RLDCs, CEA and CTU for all elements and to STUs and SLDCs for intra-State elements.

(b) All equipment owners shall submit a testing plan for the next year to the concerned RPC by 31st October to ensure proper coordination during testing as per the schedule. In case of any change in the schedule, the owners shall inform the concerned RPC in advance.

(c) The tests shall be performed once every five (5) years or whenever major retrofitting is done. If any adverse performance is observed during any grid event, then the tests shall be carried out even earlier, if so advised by SLDC, RLDC, NLDC, or RPC, as the case may be.

(d) The owners of the power system elements shall implement the recommendations, if any, suggested in the test reports in consultation with NLDC, RLDC, CEA, RPC and CTU.

(3) Testing requirements

The following tests shall be carried out on the respective power system elements:

TABLE 9 : TESTS REQUIRED FOR POWER SYSTEM ELEMENTS

Power System Elements	Tests	Applicability
Synchronous Generator	(1) Real and Reactive Power Capability assessment. (2) Assessment of Reactive Power Control Capability as per CEA Technical Standards for Connectivity (3) Model Validation and verification test for the complete Generator and Excitation System model including PSS. (4) Model Validation and verification of Turbine/Governor and Load Control or Active Power/ Frequency Control Functions. (5) Testing of Governor performance and Automatic Generation Control.	Individual Unit of rating 100MW and above for Coal/lignite, 50MW and above gas turbine and 25 MW and above for Hydro.
Non synchronous Generator (Solar/Wind)	(1) Real and Reactive Power Capability for Generator (2) Power Plant Controller Function Test (3) Frequency Response Test (4) Active Power Set Point change test. (5) Reactive Power (Voltage / Power Factor / Q) Set Point change test	Applicable as per CEA Technical Standards for Connectivity.
HVDC/FACTS Devices	(1) Reactive Power Controller (RPC) Capability for HVDC/FACTS (2) Filter bank adequacy assessment based on present grid condition, in consultation with NLDC. (3) Validation of response by FACTS devices as per settings.	To all ISTS HVDC as well as Intra-State HVDC/FACTS, as applicable

A.2.5 NRPC secretariat vide letter dated 05.08.2025 had requested all generators including RE generators to submit testing schedule for period 2024-29 in prescribed format.

A.2.6 However, till date schedule for periodic testing has been received from few RE Generators (attached as **Annexure-I**).

A.2.7 List of generating stations from which schedule for periodic testing has been received is attached as **Annexure-I**.

A.2.8 List of generating stations from schedule for periodic testing has not been is attached as **Annexure-II**.

A.2.9 In view of the above, all RE generators are requested to furnish Testing schedule for next five years in the format attached as **Annexure-III** to seo-nrpc@nic.in.

Forum may kindly deliberate.

A.3. Submission of protection performance indices of 220 kV and above system along with reason and corrective action taken for indices less than unity to NRPC Secretariat for month of November-December 2025 (agenda by NRPC Secretariat)

A.3.1 As per clause 15 (6) of IEGC 2023;

- Users shall submit the following protection performance indices of previous month to their respective RPC and RLDC on monthly basis for 220 kV and above (132 kV and above in NER) system, which shall be reviewed by the RPC:

a) The **Dependability Index** defined as $D = Nc / Nc + Nf$

b) The **Security Index** defined as $S = Nc / Nc + Nu$

c) The **Reliability Index** defined as $R = Nc / Nc + Ni$

where,

Nc is the number of correct operations at internal power system faults,

Nf is the number of failures to operate at internal power system faults,

Nu is the number of unwanted operations,

Ni is the number of incorrect operations and is the sum of *Nf* and *Nu*

- Each user shall also submit the reasons for performance indices less than unity of individual element wise protection system to the respective RPC and action plan for corrective measures. The action plan will be followed up regularly in the respective RPC.

A.3.2 In earlier PSC meeting, it was decided that each utility shall submit the performance indices of previous month by 7th day of next month.

A.3.3 Accordingly, the status of the indices reported for the month of November-December 2025 is attached as **Annexure-IV & V**.

A.3.4 It has been observed that some RE utilities are non-compliant in submission of protection indices.

Decision required from Forum:

Forum may direct RE utilities to submit the performance indices of previous month by 7th day of next month element wise along with the reason for indices less than unity and corrective action taken.

Forum may kindly deliberate.

A.4. Annual protection audit plan for FY 2026-27 (agenda by NRPC Secretariat)

A.4.1 As per clause 15 of IEGC 2023;

- Annual audit plan for the next financial year shall be submitted by the users to their respective RPC by 31st October. The users shall adhere to the annual audit plan and report compliance of the same to their respective RPC.

A.4.2 In view of above, all utilities were requested to submit the annual protection audit plan

for FY-2026-27 latest by 31st October 2025 in 63rd, 64th, 65th PSC & in the 56th TCC & 81st NRPC meeting (held on 29-30 October, 2025).

A.4.3 Accordingly, annual audit plans submitted by utilities have been compiled (enclosed as **Annexure- A.VI**).

A.4.4 It has been observed that some RE utilities have not submitted audit plan even after passing of deadline. Further, audit report is also awaited for FY 2025-26.

A.4.5 The same was highlighted in the last RE Sub-committee meeting. Representatives from AMP Green, NGEL and TPREL informed that they will submit the audit plan for 2026-27 shortly however, plan has not been shared yet.

Decision required from Forum:

Forum may direct RE utilities to submit audit plan for FY 2026-27 as deadline of 31st October 2025 has already passed. Report may be submitted where audit has been completed.

Forum may kindly deliberate.

A.5. Third-party protection audit plan (agenda by NRPC Secretariat)

A.5.1 As per clause 15 of IEGC 2023:

- *All users shall also conduct third party protection audit of each sub-station at 220 kV and above (132 kV and above in NER) once in five years or earlier as advised by the respective RPC.*

A.5.2 In view of above, third party audit plans submitted by utilities have been compiled (enclosed as **Annexure-A.VII**).

A.5.3 It has been observed that some RE utilities have not submitted third party audit plan and report is also awaited.

Decision required from Forum:

Forum may direct RE utilities to submit 3rd party protection audit plan. Further, utilities may update the status of 3rd party protection audit as per the submitted audit plans. Subsequently, the audit reports along with compliance status may be submitted to NRPC Secretariat regularly.

Forum may kindly deliberate.

A.6. Registration of Entities for Commercial Energy Accounting: (Agenda by NRPC Secretariat)

A.6.1 Under the provisions of Regulation 20 of the IEGC, each regional entity generating station is mandated to furnish its key technical details to the concerned RLDC and RPC prior to issuance of the notice of trial run.

A.6.2 Further, Regulation 26 of the IEGC provides that a generating station or unit thereof or ESS shall submit requisite certificates defined herein signed by the authorized signatory not below the rank of CMD or CEO or MD of the generating company to the concerned RLDC and to the Member Secretary of the concerned RPC before

the declaration of COD.

A.6.3 These details and certificates are not only mandatory under provisions of IEGC but also form the master data for preparation of commercial energy accounts by the RPC Secretariats. Non-submission of such details is considered as non-compliance of IEGC and may be reported by entities to concerned RLDC under provisions of Monitoring and Compliance Code Regulation No. 56(2) of IEGC.

A.6.4 Additionally, connectivity information, PPA details, metering configurations, and key commissioning milestones—such as the dates of successful trial run and COD—are essential for accurate preparation of the Deviation Settlement Account.

A.6.5 Regional entity generating stations are requested to:

- submit their key technical details to the NRPC Secretariat prior to issuance of the notice of trial run.
- provide the requisite certificates as defined under Regulation 26 of the IEGC, along with connectivity details, PPA information, metering configurations, and the date of successful trial run to the Member Secretary, NRPC before declaration of COD.

Forum may kindly deliberate.

A.7. Cause and mitigation of Voltage Oscillation and Voltage spikes in RE complex (Agenda by Serentica Renewables)

A.7.1 Serentica Renewables has requested forum to deliberate upon following:

- i. SOP for Manual use of STATCOM to dampen Voltage Oscillation and Voltage spikes in RE complex
- ii. Details of RE developers causing Voltage Oscillation and Voltage spikes in RE complex and mitigation measures taken.
- iii. Details of Siemens inputs on fine tuning of existing STATCOMS increasing amplitude of Voltage Oscillations.
- iv. Provide access to the required information about the Grid and Renewable Energy Generation to Siemens and also to developers to conduct independent study.

Forum may kindly deliberate.

A.8. Improvement in Transmission evacuation margins (Agenda by Serentica Renewables)

A.8.1 Serentica Renewables has requested forum to deliberate upon following for improvement in Transmission evacuation margins:

- i. Way forward to increase TGNA margin for RE developers so as to reduce curtailment of RE power
- ii. Details of future Transmission lines which are going to be commissioned and

margin available for GNA and TGNA

- iii. A joint study by CTUIL and Grid India to Forecast (2-3 years) the Margin available for transmission in Rajasthan Grid considering oscillations and other grid safety issues.
- iv. Discussion on dynamic line loading and special protection scheme for improving evacuation margin.
- v. Conduct monthly meeting on increasing Transmission evacuation and mitigation of Voltage Oscillation and Voltage spikes

Forum may kindly deliberate.

A.9. RE generation loss events in case of fault in the vicinity of RE complex and Low Voltage Ride Through (LVRT) & High Voltage Ride Through (HVRT) non-compliance by RE Generators at interconnection point (Agenda by NRLDC)

A.9.1 Regulations pertaining to LVRT & HVRT as per CEA (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2019 are as follows.

(i). Clause B2 (3) under Part II of the Schedule for LVRT:

Quote

“The generating station connected to the grid, shall remain connected to the grid when voltage at the interconnection point on any or all phases dips up to the level depicted by the thick lines in the following curve, namely:

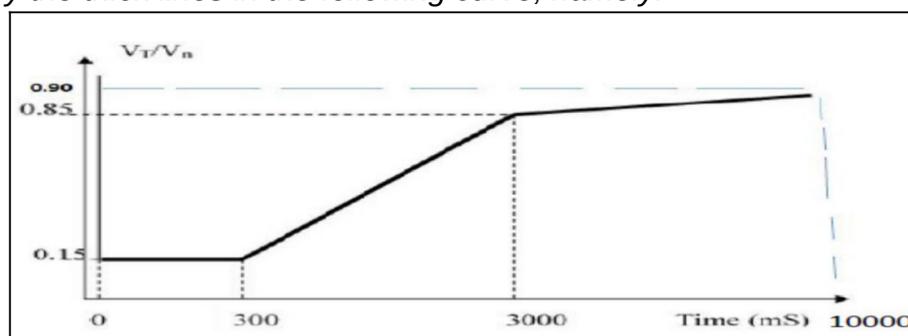


Figure 1 LVRT operating range

*Provided that during the voltage dip, the supply of **reactive power has first priority**, while the supply of active power has second priority and **the active power preferably be maintained during voltage drops**, provided, a reduction in active power within the plant's design specifications is acceptable and **active power be restored to at least 90% of the pre-fault level within 1 sec** of restoration of voltage.”*

Unquote

(ii). Clause B2(7) under Part II of Schedule for HVRT:

Quote

“The generating station connected to the grid, shall remain connected to the grid when the voltage at the interconnection point, on any or all phases (symmetrical or

asymmetrical overvoltage conditions) rises above the specified values given below for specified time”.

Over voltage (pu)	Minimum time to remain connected (Seconds)
$1.30 < V$	0 Sec (Instantaneous trip)
$1.30 \geq V > 1.20$	0.2 Sec
$1.20 \geq V > 1.10$	2 Sec
$V \leq 1.10$	Continuous

Unquote

Further, CEA has issued the clarification on HVRT clause vide file no. 12/X/STD/CONN/GM/2023/438 dated 06.01.2023.

Quote

“In HVRT mode, the generating station shall provide reactive power support (absorption) proportional to the voltage rise at point of interconnection. During this phase, the quantum of reactive current absorption shall be dependent on reactive current gain in the system i.e. HVRT “K” factor. The active current and overall current shall be limited as per the transient rated current limit of the plant”.

Unquote

A.9.2 Details of RE generation loss events from on 14.01.2026 and LVRT/HVRT non-compliance of RE generators:

The issue of renewable energy (RE) generation loss during faults in vicinity of RE complex and non-compliance of LVRT/HVRT requirements by RE generators at the interconnection point was thoroughly discussed in the previous meetings for the events occurred on 15th and 17th October 2026.

The necessary action points for RE developers were outlined in the last meeting. Since then, total **2 numbers of RE generation loss events (>1000MW)** occurred in RE complex of Northern Region. Summary of these two (2) events is shown below;

Summary of RE Generation loss in NR (14th Jan'26):

S. No	Date & Time	Fault event	Drop in RE generation	Frequency Dip (Hz)
1	14.01.2026, 13:38Hrs	R-Y ph-ph fault on 400kV Bassi-Phagi line-1 at 13:38 hrs	1680 MW	0.14
2	14.01.2026, 14:05Hrs	R-Y B three phase fault on 765kV Aligarh-Sikar2 line-I at 14:05 hrs	3787 MW	0.225

A.9.3 The above two (2) events have been analysed in detailed based on SCADA/PMU data available at NRLDC. Based on analysis, list of LVRT/HVRT Non-compliant RE

Plants, their Generation Loss quantum and details of common inverters are given below.

Table-1: List of LVRT/HVRT Non-compliant RE Plants and their Generation Loss quantum for 14th Jan'26, 13:38Hrs event: (18 nos. of RE plants found LVRT/HVRT Non-compliant)

Compliance Status of RE plants vis-à-vis CEA Technical Standards for Connectivity to The Grid 13:38Hrs event on 14.01.2026								
S. No.	Pooling Station	RE GEN	Make	Model	INVERTER CAPACITY	Actual MW before tripping	Actual MW before tripping	Generation loss(%)
1	Bhadla2(PG)	AMP Energy Green Five Pvt. Ltd.	SUNGROW	SG320HX	100	81.604	64.679	20.74
			FIMER	PVS980				
2	Bhadla2(PG)	Avaada Sunrays Pvt. Ltd.	SINENG	SP-250K-INH	320	324.263	153.68	52.60
3	Bhadla2(PG)	Mega Surya Urja Pvt. Ltd. (MSUPL)	SINENG	EP3125-HA-UD	250	230	101	56
4	Bikaner(PG)	Renew Solar Power Pvt Ltd, Bikaner (250MW) (BIKNP)	HUAWEI	SUN2000-185KTL-H1	250	478.103	423.68	11.38
5	Bikaner(PG)	Adani Solar Energy Jaisalmer Two Private Limited	KEHUA	SPI3125K-B-H	150	141	9	94
	Bikaner(PG)	Adani Solar Energy Jaisalmer Two Private Limited Project Two			150	127	68	46
6	Fatehgarh (Adani)	ACME SOLAR HOLDING PRIVATE LIMITED	SUNGROW	SG3300UD-20	300	1240	1085	12.5
7	Fatehgarh (Adani)	Adani Solar Park PSS-1 (ASPS1)	HUAWEI	SUN2000-185KTL-H1	250	226.702	170.75	24.67
8	Fatehgarh (Adani)	Nedan Solar NTPC	HUAWEI	SUN2000-185KTL-INHO	296	294	245	17
9	Fatehgarh II (PG)	Adani Hybrid Energy Jaisalmer One Limited (ADNHB)	HUAWEI	SUN2000-185KTL-H1	360	183.282	130.38	28.86
10	Fatehgarh	Adani Hybrid Energy	HUAWEI	SUN2000	300	250	218	13

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	h II (PG)	Jaisalmer Three Ltd.	WEI	0-185KTL-INHO	00 (300 +75)			
			TBEA	TS208KTL-HV				
11	Fatehgarh II (PG)	Adani Solar Energy Jaisalmer one Limited: Solar (ckt 1)	SUNGROW KEHUA KEHUA	SG3125HV PI3125K-B-HUD PI3125K-B-H2	450	216.68	185.03	14.60
		Adani Solar Energy Jaisalmer one Limited: Solar (ckt II)				213.375	181.72	14.83
12	Fatehgarh II (PG)	ReNew Solar Energy Jharkhand Three Pvt. Ltd (RJ3PL)	SUNGROW	SG250HX-IN	300	296.328	205.10	30.78
13	Fatehgarh II (PG)	ReNew Sun Waves Private Limited, Fatehgarh-II (RNEWJ)	SUNGROW	SG250HX-IN	300	301.438	242.71	19.48
14	Fatehgarh II (PG)	Renew Sun Bright Private Limited (RSBPL)	HUAWEI	SUN2000-185KTL-INHO	300	262.159	178.68	31.84
15	Fatehgarh II (PG)	ReNew Solar Urja Private Limited(RSUPL)	SUNGROW	SG250HX-IN	300	297.024	204.31	31.21
			TBEA	TS208KTL-HV				
Compliant during the event but generation tripped/reduced afterwards								
16	Fatehgarh3	ABC Renewable Energy (RJ-02) Pvt. Ltd.	SUNGROW	SG3300UD-20	200.8	50	45	10
17	Fatehgarh3	Renew Surya Ayaan Pvt. Ltd.	WATPOWER	WP-330KTL-H1	300	302	0	100
			TBEA	RS300KTL-HV-C1				
18	Bhadla(PG)	Azure Power Thirty Four Pvt. Ltd.	SUNGROW	SG250HX-IN & SG3125HV	130	135	25	81

Table-2: List of LVRT/HVRT Non-compliant RE Plants and their Generation Loss quantum for 14th Jan'26, 14:05Hrs event: (30 nos. of RE plants found LVRT/HVRT Non-compliant)

Compliance Status of RE plants vis-à-vis CEA Technical Standards for Connectivity to The Grid 14:05Hrs event on 14.01.2026								
S. No	Pooling Station	RE GEN	Ins CA PA	Make	Model	Actual MW before	Actual MW after	Generation loss(

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			CIT Y (M W)			trippin g	trippi ng	(%)
1	Fatehgar h III(PG)	Renew Surya Roshni Pvt. Ltd.	40 0	SUN GRO W	SG250H X-IN	376.7	112.9	70.0
2	Bhadla(P G)	SB ENERGY FOUR PRIVATE LIMITED, Bhadla	20 0	KEH UA	SPI3125 K-B-H	194.3	153.2	21.2
3	Bhadla(P G)	ACME Chittorgarh Solar Energy Pvt Ltd	25 0	TBE A	TC375- 0KF/ TC500- 0KF/ TS208- KTL	233.0	181.0	22.3
4	Bhadla2(PG)	AMP Energy Green Five Pvt. Ltd.	10 0	FIME R	PVS980	79.0	62.0	21.5
5	Bhadla2(PG)	Avaada Sunrays Pvt. Ltd.	32 0	SINE NG	SP- 250K- INH	323.0	86.0	73.4
6	Bhadla2(PG)	NTPC Kolayat_400kV	55 0	KEH UA	SPI3125 K-B-H	536.0	434.0	19.0
7	Bhadla2(PG)	ABC Renewable Pvt. Ltd	30 0	TBE A	TC3125 KF	302.0	257.0	14.9
8	Bhadla2(PG)	NTPC NOKH- RSDCL	73 5	FIME R	PVS980 -58- 5000-L	542.0	212.0	60.9
				SINE NG	EP- 3300- HB-UD			
9	Bikaner (PG)	Renew Surya Ravi Pvt. Ltd.	30 0	SUN GRO W	SG250H X-IN	251.0	213.0	15.1
10	Bikaner (PG)	Adani Solar Energy Jaisalmer Two Private Limited	15 0	KEH UA	SPI3125 K-B-H	264	72	71.6
		Adani Solar Energy Jaisalmer Two Private Limited Project Two	15 0					
11	Bikaner (PG)	Avaada RJHN 240MW	24 0	SINE NG	SP- 250K- INH/ EP3125- HA-UD	791.6	651.9	17.6
12	Bikaner (PG)	Avaada sunce energy Pvt limited	35 0	SINE NG	EP3125- HA-UD			
13	Bikaner (PG)	Avaada Sustainable RJ Pvt. Ltd.	30 0	SINE NG	EP3125- HA-UD			
14	Bikaner (PG)	Renew Solar Power Pvt Ltd, Bikaner (250MW) (BIKNP)	25 0	HUA WEI	SUN200 0- 185KTL- H1	412.2	0.0	100.0
15	Bikaner- II (PG)	Karinsar Solar Plant NHPC Ltd	30 0	SINE NG	EP- 3300- HB-UD	288.0	54.0	81.3

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16	Fatehgarh (Adani)	ACME DEOGARH	300	SUN GROW	SG3300 UD-20	311.0	0.0	100.0
17	Fatehgarh (Adani)	ACME DHOLPUR	300	SUN GROW	SG3300 UD-20	309.0	0.0	100.0
18	Fatehgarh (Adani)	ACME PHALODI	300	SUN GROW	SG3300 UD-20	310.0	0.0	100.0
19	Fatehgarh (Adani)	ACME RAISER	300	SUN GROW	SG3300 UD-20	309.0	0.0	100.0
20	Fatehgarh (Adani)	SINGRAULI SOLAR PV POWER STATION (SPRJ) - Nedan Solar NTPC	296	HUA WEI	SUN2000-185KTL-INH0	285.3	203.7	28.6
21	Fatehgarh (Adani)	Adani Solar Park PSS-1 (ASPS1)	250	HUA WEI	SUN2000-185KTL-H1	227.3	175.7	22.7
22	Fatehgarh II (PG)	Adani Hybrid Energy Jaisalmer Three Ltd	300	HUA WEI	SUN2000-185KTL-INH0	249.0	207.0	16.9
				TBE A	TS208K TL-HV			
23	Fatehgarh II (PG)	Adani Solar Energy Jaisalmer One Pvt. Ltd	450	SUN GROW	SG3125 HV	423.0	293.0	30.7
				KEH UA	PI3125K -B-HUD			
				KEH UA	PI3125K -B-H2			
24	Fatehgarh II (PG)	Adani Green Energy Twenty Four Limited	500	TBE A	TS300K TL_HV-C1	42.0	35.0	16.7
25	Fatehgarh II (PG)	Eden Renewable Cite Private Limited	300	SUN GROW	SG3125 HV	299.0	261.0	12.7
26	Fatehgarh II (PG)	ReNew Solar Urja Private Limited(RSUPL)	300	SUN GROW	SG250H X-IN	289.0	138.0	52.2
				TBE A	TS208K TL-HV			
27	Fatehgarh II (PG)	Renew Sun Bright Private Limited (RSBPL)	300	HUA WEI	SUN2000-185KTL-INH0	268.9	198.7	26.1
28	Fatehgarh II (PG)	Adani Hybrid Energy Jaisalmer One Limited ckt1	390	HUA WEI	SUN2000-185KTL-H1	182.5	133.6	26.8
	Fatehgarh II (PG)	Adani Hybrid Energy Jaisalmer One Limited ckt2				182.5	133.6	26.8
29	Fatehgarh II (PG)	ReNew Solar Energy Jharkhand Three Pvt.	300	HUA WEI	SUN2000-	286.4	207.0	27.7

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		Ltd (RJ3PL)			185KTL- INH0			
30	Fatehgarh II (PG)	ReNew Sun Waves Private Limited, Fatehgarh-II (RNEWJ)	30 0	SUN GRO W	SG250H X-IN	294.8 9	49.88	83.1

A.9.4 A detailed analysis of RE generation loss and LVRT/HVRT non-compliance for past 18 months (July'24-Jan'26) has been made to identify the repetitive non-compliant RE plants having major share in total generation loss. These plants are impacting the grid severely during any fault event and need to take the remedial measures on urgent basis to ensure security of the grid.

A.9.5 Since 1st July'24 to 21st Jan'26 total 10 numbers of RE generation loss events (>1000MW) occurred in RE complex of Northern Region, these 10 events are considered for analysing if any RE plant found non-compliant in any of these 10 events. As on 21st Jan'26, there are total 51 ISTS connected RE plants in Northern Region which were found LVRT/HVRT Non-compliant in at least one of these 10 events.

Table-3: List of the non-compliant RE plants (wind/solar/hybrid) with respect to the LVRT/ HVRT based on 10 nos. of RE generation loss events (>1000MW) occurred since 1st July'2024 to 21st Jan'2026.

Sr. No.	Name of REGS	Capacity of REGS (MW)	Name of ISTS Pooling Station where REGS is connected	Total Numbers of Events	No. of times REGS found Non-compliant	% of Non compliance of REGS (Nos. of times non-compliant w.r.t total nos. of event occurred)	Type of RE plants (wind/solar/hybrid)
1	Avaada Sunrays Pvt. Ltd.	Bhadla-II(PG)	320	10	10	100%	Solar
2	ReNew Solar Urja Private Limited	Fatehgarh-II(PG)	300	10	9	92%	Solar
3	Avaada Sustainable RJ Pvt. Ltd.	Bikaner(PG)	300	10	8	75%	Solar
4	ACME RAISAR SOLAR POWER PRIVATE LIMITED	Fatehgarh-I	300	10	9	90%	Solar
5	Adani Hybrid Energy Jaisalmer Three Ltd.	Fatehgarh-II(PG)	300	10	7	75%	Hybrid
6	ACME Chittorgarh Solar Energy Pvt Ltd	Bhadla(PG)	250	10	6	58%	Solar
7	NTPC Devikot Solar plant 240MW	Fatehgarh-II(PG)	240	10	6	50%	Solar
8	SB ENERGY FOUR PRIVATE LIMITED,	Bhadla(PG)	200	10	5	50%	Solar

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	Bhadla						
9	AMP Energy Green Five Pvt. Ltd.	Bhadla-II(PG)	100	10	5	58%	Solar
10	ASEJ2PL + ASEJ2PL-P2 (Formely SBSR Cleantech Pvt. Ltd.)	Bikaner(PG)	300	10	5	58%	Solar
11	Mega Surya Urja Pvt. Ltd. (MSUPL)	Bhadla-II(PG)	250	10	4	42%	Solar
12	RENEW SOLAR POWER Pvt. Ltd. Bikaner	Bikaner(PG)	250	10	4	50%	Solar
13	ACME DHAULPUR SOLAR POWER PRIVATE LIMITED	Fatehgarh-I	300	10	6	60%	Solar
14	Renew Sun Waves Private Limited (RSEJ4L)	Fatehgarh-II(PG)	300	10	4	50%	Solar
15	Adani Solar Energy Jaisalmer One Pvt. Ltd.	Fatehgarh-II(PG)	450	10	4	50%	Hybrid
16	SB Energy Six Private Limited, Bhadla	Bhadla(PG)	300	10	3	25%	Solar
17	Clean Solar Power (Jodhpur) Pvt. Ltd.	Bhadla(PG)	250	10	3	25%	Solar
18	NTPC Nokhra_300MW	Bhadla-II(PG)	300	10	3	25%	Solar
19	AMP Energy Green Six Pvt. Ltd.	Bhadla-II(PG)	100	10	3	25%	Solar
20	ABC Renewable Pvt. Ltd	Bhadla-II(PG)	300	10	3	33%	Solar
21	Renew Surya Ravi Pvt. Ltd.	Bikaner(PG)	300	10	3	33%	Solar
22	Avaada RJHN_240MW	Bikaner(PG)	240	10	3	33%	Solar
23	ACME PHALODI SOLAR POWER PRIVATE LIMITED	Fatehgarh-I	300	10	4	40%	Solar
24	Adani Hybrid Energy Jaisalmer Four Ltd.	Fatehgarh-I	700	10	4	40%	Hybrid
25	ReNew Solar Energy (Jharkhand Three) Private Limited	Fatehgarh-II(PG)	300	10	3	42%	Solar
26	Azure Maple Pvt. Ltd.	Bhadla(PG)	300	10	2	17%	Solar
27	NTPC Nokh Solar	Bhadla-II(PG)	735	6	2	38%	Solar
28	NTPC Kolayat_400kV	Bhadla-II(PG)	550	10	2	25%	Solar
29	Thar Surya One Pvt. Ltd.	Bikaner(PG)	300	10	2	17%	Solar
30	Karinsar Solar Plant NHPC Ltd	Bikaner-II	300	6	2	38%	Solar

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31	ACME DEOGHAR SOLAR POWER PRIVATE LIMITED	Fatehgarh-I	300	10	4	40%	Solar
32	Nedan Solar NTPC	Fatehgarh-I	296	10	4	40%	Solar
33	Adani Green Energy Twenty Four Limited	Fatehgarh-II(PG)	500	10	2	25%	Solar
34	Renew Sun Bright Pvt. Ltd. (RSBPL)	Fatehgarh-II(PG)	300	10	2	33%	Solar
35	Ambuja Cements Limited	Bhadla(PG)	150	4	1	17%	Solar
36	RENEW SOLAR POWER Pvt. Ltd. Bhadla	Bhadla(PG)	50	10	1	8%	Solar
37	Clean Solar Power (Bhadla) Pvt. Ltd	Bhadla(PG)	300	10	1	8%	Solar
38	Mahindra Renewable Private Limited	Bhadla(PG)	250	10	1	8%	Solar
39	Adani Solar Energy Four Private Limited	Bhadla(PG)	50	10	1	8%	Solar
40	Tata Power Renewable Energy Ltd. (TPREL)	Bhadla(PG)	300	10	1	8%	Solar
41	Adani Solar Energy RJ Two Pvt. Ltd. (Phalodi)	Bhadla(PG)	150	10	1	8%	Solar
42	Azure Power Forty Three Pvt. Ltd. PSS+RSS	Bikaner(PG)	600	10	1	8%	Solar
43	Avaada sunce energy Pvt limited	Bikaner(PG)	350	10	1	8%	Solar
44	TP Surya Pvt. Ltd.	Bikaner(PG)	110	10	1	8%	Solar
45	Ayana Renewable Power Three Private Limited	Bikaner(PG)	300	10	1	8%	Solar
46	SJVNL Solar Project	Bikaner-II	679.29	6	1	13%	Solar
47	ACME Sikar Solar Pvt. Ltd.	Bikaner-II	300	6	1	13%	Solar
48	Adani Solar Energy RJ Two Pvt. Ltd. (Devikot)	Fatehgarh-II(PG)	180	10	1	8%	Solar
49	Adani Hybrid Energy Jaisalmer One Ltd.	Fatehgarh-II(PG)	390	10	1	17%	Hybrid
50	Eden Renewable Cite Private Limited	Fatehgarh-II(PG)	300	10	1	17%	Solar
51	Renew Surya Ayaan Pvt. Ltd.	Fatehgarh-III	300	10	1	8%	Solar
52	Renew Surya Roshni Pvt. Ltd.	Fatehgarh-III	400	10	1	17%	Solar

- o Drop in RE generation is mainly due to LVRT non-compliance of RE plants during fault events (i.e. several RE plants failed to recover 90% of pre-fault active power

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within 1 sec). Other reasons are undesirable tripping of Inverter on various protection during fault event such as Over voltage, df/dt, Under frequency, Transient Over current or Transient Over Voltage etc despite no tripping condition as per POI voltage & frequency.

- o Despite taking up in several earlier meetings, adequate action from some RE developers to resolve the generation loss issue is yet to be implemented.
- o Only few RE developers submitted the required details for analysing the event and to find the reason of generation loss and LVRT/HVRT non-compliance at POI (*Non submission of tripping details is Non-compliance of IEGC clause 37.2(c) and clause 15.3 of CEA grid standard*). It is causing issues remained unresolved and persistence non-compliance.
- o Issue pertaining to validation of Plant level simulation model with actual fault event is yet to be addressed. As per FTC procedure RE plants need to validate the Plant level simulation model within 3 months of commissioning. Simulation model submitted at the time of connectivity/FTC are not depicting the actual plant behaviour in real-time due to various shortcomings like no modelling of various protection of Inverter or other elements which is implemented in field and causing abnormal tripping during fault event.

A.9.6 **Suggestions for improvement:**

- a. RE plants need to keep the settings of Plant's internal elements (*from 220kV or 400kV evacuating line to Inverters terminal*) in coordination with Point of Interconnection (POI) as per CEA standards, to prevent tripping of any internal elements of plants (causing generation loss) when voltage and frequency at Interconnection point remains within the No-trip zone. HVRT, over voltage, over current, Transient O/V and frequency protection settings of Inverters need to be reviewed & rectified for Non-complaints RE plants.
- b. RE developers should include the requirement of IEEE 2800-2200 (i.e. No ROCOF protection in Inverter) or if frequency protection or df/dt protection is there in inverters then operation of protection should be on frequency measured by averaging the frequency of 4-5 cycles window. (*Same was suggested in 1st RE sub-committee meeting*)
- c. RE generators need to analyse the reactive power support from Inverter during HVRT in case of any tripping of Inverter in Over voltage, as several cases have been observed where plant didn't absorb reactive power despite Inverters went in HVRT and tripped on O/V.
- d. Firmware of Inverters may be updated to resolve the issue of sharp reduction in active power during fault (even despite insignificant voltage dip) and to resolve the issue of any reduction in active power during HVRT (until the transient current limit of the Inverter/WTG is not hit).
- e. Firmware of Inverters may be updated for adequate and prompt reactive power support (i.e. injection during LVRT, ceasing reactive power immediately after fault clearance and absorption during HVRT).
- f. RE generators should also analyse the events of generation loss and non-compliance of LVRT/HVRT requirements at their end, high resolution data archiving and data logging facility at least in case of fault event should be

ensured at plant end for better analysis of the events, remedial actions should be taken accordingly to resolve the issue.

A.9.7 *Drop of significant quantum of RE generation affect the grid security due to large excursion in grid frequency, hence all RE plants are requested to take serious cognizance of the issue of LVRT/HVRT non-compliance of RE plants at POI and to implement necessary corrective measures to ensure LVRT/HVRT compliance at POI, further timely submission of required details for analysing the event and to find the reason of generation loss and LVRT/HVRT non-compliance at POI must be ensured by RE plants to comply with IEGC clause 37.2(c) and CEA grid standard clause 15.3.*

Forum may deliberate and discuss the further course of actions.

A.10. Voltage Oscillation and Voltage spikes issue in RE complex (Agenda by NRLDC)

- A.10.1 Several instances of Voltage oscillations occurred in the Rajasthan RE complex of the Northern Regional grid in which dominant mode is identified as 3.5-4Hz, such high amplitude (70-100kV in 765kV bus) voltage oscillation pose threat on security of the entire RE complex.
- A.10.2 With the continuous rise in solar generation, the SCR of the RE pocket continues to decline and often causes oscillation whenever ISTS connected RE generation peaks in the complex. Therefore, it is crucial to take proactive measures to identify the root-cause of High-frequency, low-amplitude oscillations originating from RE plants.
- A.10.3 Therefore, to address this issue, low-amplitude oscillations originating from RE plants need to be analysed in detailed and tuning of controllers needs to be done in those RE plants causing/aggravating the oscillation.
- A.10.4 To identify the RE plant(s) which are causing/aggravating the oscillation and exhibiting huge MVar fluctuation during oscillation event, a comprehensive analysis has been carried out using available PMU data for listing out the concerned RE plants.
- A.10.5 Further, it is noted that the concerned RE plant(s) have not submitted high-resolution event data required for detailed analysis, nor have they furnished any Root Cause Analysis (RCA) reports. In the absence of the above, the PMU data available at NRLDC has been relied upon as the sole source for this analysis.
- A.10.6 PMU data of total 14 numbers of latest voltage oscillation events (occurred b/w Aug'25 to Jan'26) have been analysed and RE plants where Reactive Power (MVar) fluctuation > 30 MVar observed in more than 7 nos. of voltage oscillation events are identified as vulnerable RE plants in the preliminary analysis and suspected of causing/aggravating the oscillation in the complex. List of these RE plants is given in below table-4. Further, event wise details of Reactive power (MVar) fluctuation of each RE plant is given in **Annexure-VIII**.

Table 4: List of RE plants exhibiting reactive power (MVar) fluctuations exceeding 30 MVar in more than 50% of the voltage oscillation events.

Sl. No.	RE Plant Name	Pooling Station	Plant Capacity (MW)	Total Nos. of Voltage oscillation instances considered	Number of time RE plant was found giving Oscillatory MVar (>30 MVar) out of total instances considered	% of time RE plant was found giving Oscillatory MVar (>30 MVar) out of total instances considered	Owner Name
1	ACME Solar Holding Pvt. Ltd. (ASHPL, 300x4)	Fatehgarh-I(Adani Pooling)	1200	14	14	100%	ACME
2	Avaada Bikaner (Avaada Sunce_350+Avaada Sustainable_300+Avaada RJHN_240)	Bikaner(PG)	890	14	14	100%	Avaada
3	Ayaana Renewable Bikaner (ARP1PL + ARP3PL)	Bikaner(PG)	600	14	12	86%	Ayaana
4	Adani Solar Energy Jaisalmer Two Private Limited (P1+P2)	Bikaner(PG)	300	14	12	86%	Adani
5	SB Energy Six Private Limited, Bhadla_ESSEL park	Bhadla(PG)	300	14	12	86%	Adani
6	Mahoba Solar	Bhadla(PG)	300	14	12	86%	Adani
7	Mega Surya Urja Pvt. Ltd. (MSUPL)	Bhadla-II(PG)	250	14	12	86%	Mahindra
8	NTPC Nokh Solar	Bhadla-II(PG)	735	14	12	86%	NTPC
9	Altra Xergi Pvt. Ltd.	Fatehgarh-III	380	14	12	86%	O2 Power
10	Adani Hybrid Energy Jaisalmer One Ltd	Fatehgarh-II(PG)	390	14	11	79%	Adani
11	Adani Hybrid Energy Jaisalmer Four Ltd.	Fatehgarh-I(Adani Pooling)	700	14	11	79%	Adani
12	SJVNL Solar Project	Bikaner-II (PBTS L)	888	14	11	79%	SJVNL

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13	RENEW SOLAR POWER Pvt. Ltd. Bikaner	Bikaner(PG)	550	14	10	71%	Renew
14	Adani Hybrid Energy Jaisalmer Two Ltd.	Fatehgarh-II(PG)	300	14	10	71%	Adani
15	Adani Hybrid Energy Jaisalmer Three Ltd.	Fatehgarh-II(PG)	300	14	10	71%	Adani
16	ReNew Solar Urja Private Limited	Fatehgarh-II(PG)	300	14	10	71%	Indi-Grid
17	Eden Renewable Cite Private Limited	Fatehgarh-II(PG)	300	14	10	71%	Eden
18	Renew Sun Bright Pvt. Ltd. (RSBPL)	Fatehgarh-II(PG)	300	14	10	71%	Renew
19	ReNew Solar Energy (Jharkhand Three) Private Limited	Fatehgarh-II(PG)	300	14	10	71%	Renew
20	Adani Solar Energy RJ Two Pvt. Ltd. (Devikot)	Fatehgarh-II(PG)	180	14	10	71%	Adani
21	ACME Heergarh Powertech Pvt. Ltd	Bhadra-II(PG)	300	14	10	71%	ACME
22	Rising Sun Energy-K Pvt. Ltd.	Bhadra-II(PG)	190	14	10	71%	Rising sun
23	Renew Surya Roshni Pvt. Ltd.	Fatehgarh-III	400	14	8	57%	Renew
24	Tata Power Renewable Energy Ltd. (TPREL)	Bhadra(PG)	300	14	7	50%	Tata Power

A.10.7 Further, to identify the most vulnerable RE plants, % (Max. MVar fluctuation/Plant capacity) have been analysed to identify despite plant capacity is smaller but exhibited severe MVar fluctuation, for this analysis, voltage oscillation event of 17.12.2025 is selected as severe voltage oscillation occurred on 17th December'25. List of those RE plant is given in below **Table-5**

Table 5: List of RE plants-% (Max. MVar fluctuation/Plant capacity) for 17.12.2025 voltage oscillation event:

S N o.	RE Plant Name	Pooling Station	Plant Capacity (MW)	RE plants MVar fluctuations	% (Max. MVar fluctuation/Plant capacity)	Owner Name
				17.12.2025		
				10:51-11:02		

1	Adani Solar Energy Jaisalmer Two Private Limited (P1+P2)	Bikaner(PG)	300	231	77%	Adani
2	ReNew Solar Energy (Jharkhand Three) Private Limited	Fatehgarh-II(PG)	300	127	42%	Renew
3	Mega Surya Urja Pvt. Ltd. (MSUPL)	Bhadla-II(PG)	250	74	30%	Mahindra
4	SB ENERGY FOUR PRIVATE LIMITED, Bhadla	Bhadla(PG)	200	52	26%	Adani
5	Azure Power Forty One Pvt limited	Bhadla(PG)	300	77	26%	Azure
6	Rising Sun Energy-K Pvt. Ltd.	Bhadla-II(PG)	190	45	24%	Rising sun
7	Renew Sun Bright Pvt. Ltd. (RSBPL)	Fatehgarh-II(PG)	300	70	23%	Renew
8	RENEW SOLAR POWER Pvt. Ltd. Bikaner	Bikaner(PG)	550	117	21%	Renew
9	Mahoba Solar	Bhadla(PG)	300	63	21%	Adani
10	Adani Hybrid Energy Jaisalmer One Ltd	Fatehgarh-II(PG)	390	82	21%	Adani
11	Adani Solar Energy RJ Two Pvt. Ltd. (Devikot)	Fatehgarh-II(PG)	180	38	21%	Adani
12	ACME Heergarh powertech Pvt. Ltd	Bhadla-II(PG)	300	63	21%	ACME
13	ACME Solar Holding Pvt. Ltd. (ASHPL, 300x4)	Fatehgarh-I(Adani Pooling)	1200	242	20%	ACME
14	Eden Renewable Cite Private Limited	Fatehgarh-II(PG)	300	60	20%	Eden
15	ABC Renewable Pvt. Ltd	Bhadla-II(PG)	300	56	19%	ABC Renewable
16	Adani Hybrid Energy Jaisalmer Two Ltd.	Fatehgarh-II(PG)	300	54	18%	Adani
17	Clean Solar Power (Jodhpur) Pvt. Ltd.	Bhadla(PG)	250	44	18%	Hero future
18	Azure Maple Pvt. Ltd.	Bhadla(PG)	300	52	17%	Azure
19	Adani Hybrid Energy Jaisalmer Three Ltd.	Fatehgarh-II(PG)	300	51	17%	Adani
20	SB Energy Six Private Limited, Bhadla_ESSEL park	Bhadla(PG)	300	49	16%	Adani
21	Renew Surya Ayaan Pvt. Ltd.	Fatehgarh-III	300	47	16%	IndiGrid
22	Avaada Sunrays Pvt. Ltd.	Bhadla-II(PG)	320	47	15%	Avaada
23	ReNew Solar Urja Private Limited	Fatehgarh-II(PG)	300	43	14%	Indi-Grid
24	Avaada Bikaner (Avaada Sunce_350+Avaada Sustainable_300+Avaada RJHN_240)	Bikaner(PG)	890	123	14%	Avaada
25	Altra Xergi Pvt. Ltd.	Fatehgarh-III	380	51	14%	O2 Power
26	Tata Power Renewable Energy Ltd. (TPREL)	Bhadla(PG)	300	40	13%	Tata Power

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27	Renew Surya Roshni Pvt. Ltd.	Fatehgarh-III	400	53	13%	Renew
28	One Volt energy Pvt. Ltd. +Amplus ages +Grian	Bikaner-II (PBTSL)	300	34	11%	Onevolt
29	Renew Sun Waves Private Limited (RSEJ4L)	Fatehgarh-II(PG)	300	33	11%	Sulzon
30	Ayaana Renewable Bikaner (ARP1PL + ARP3PL)	Bikaner(PG)	600	58	10%	Ayaana
31	SJVNL Solar Project	Bikaner-II (PBTSL)	888	81	9%	SJVN
32	Mahindra Renewable Private Limited	Bhadla(PG)	250	22	9%	Mahindra
33	NTPC Nokh Solar	Bhadla-II(PG)	735	64	9%	NTPC
34	AMP Energy Green Six Pvt. Ltd. +AEG5PL +AEG4PL	Bhadla-II(PG)	300	25	8%	AMP
35	Adani Solar Energy Jaisalmer One Pvt. Ltd.	Fatehgarh-II(PG)	450	32	7%	Adani
36	XL Xergi Power Pvt. Ltd.	Fatehgarh-III	400	25	6%	O2 Power
37	Adani Hybrid Energy Jaisalmer Four Ltd.	Fatehgarh-I(Adani Pooling)	700	35	5%	Adani
38	Renew Surya Jyoti Pvt. Ltd.	Fatehgarh-III	210	10	5%	Renew
39	ADANI GREEN ENERGY TWENTY FIVE LIMITED	Bhadla-II(PG)	500	15	3%	Adani
40	NTPC Kolayat_400kV	Bhadla-II(PG)	550	PMU Data NA		NTPC

A.10.8 From the above table it can be seen that same capacity plant connected at same interconnection point exhibited different reactive power (MVAR) fluctuation in same voltage oscillation event. Thus, these identified RE plants, e.g. Adani Solar Energy Jaisalmer Two Pvt. Ltd. (P1+P2) at Bikaner (PG), ReNew Solar Energy (Jharkhand Three) Pvt. Ltd. etc. are having some issue in controller behaviour and needs proper tuning of controller parameters.

A.10.9 The commissioning of RE evacuation lines envisaged for Phase-III generation needs to be expedited, as a substantial quantum of Phase-III generation (approximately 3200 MW) has already been commissioned, whereas no transmission element associated with Phase-III has been commissioned to date. The delay in commissioning of the associated transmission system is resulting in weak grid connectivity and reduced system strength.

A.10.10 RE generators should promptly provide the reactive power support in case of NRLDC instruction and should maintain their bus voltage ~225 kV in general to avoid any low voltage issue in the complex.

A.10.11 High resolution data archiving and data logging facility should be ensured by RE developers. In case of any oscillation, data should be analysed by RE generators and same should be shared with NRLDC for further detailed analysis.

A.10.12 NRLDC has already shared the details analysis along with oscillation plots and PMU data to individual RE developers. Further, complete data has been shared with

NSEFI & IWPA for further follow-up with identified RE plants.

A.10.13 All RE developers are requested to share updates or findings from their respective investigations regarding voltage oscillations with the forum, actions taken status from RE plants side may be updated to forum. Solar/Wind association i.e. NSEFI & IWPA may carry out a comprehensive study to identify the root-cause of High-frequency, low-amplitude oscillations originating from RE plants in Rajasthan RE complex.

Forum may discuss the further course of actions and may deliberate on the issue of Voltage oscillation in RE complex.

A.11. Power Quality measurement and Harmonic distortion analysis for all RE generating stations in line with Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2013, Part-II, clause B1, Sub-clause (1), (2), (3) & (4) (Agenda by NRLDC)

A.11.1 As stipulated in Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2013, Part-II, clause B1, Sub-clause (1), (2), (3) & (4) about requirements with respect to Harmonics, Direct Current (DC) Injection and Flicker are as follows.

B1. Requirements with respect to Harmonics, Direct Current (DC) Injection and Flicker

- 1) *Harmonic current injections from a generating station shall not exceed the limits specified in Institute of Electrical and Electronics Engineers (IEEE) Standard 519.*
- 2) *The Generating station shall not inject DC current greater than 0.5 % of the full rated output at the interconnection point.*
- 3) *The generating station shall not introduce flicker beyond the limits specified in IEC 61000. Provided that the standards for flicker will come into effect from 1st April 2014.*
- 4) *Measurement of harmonic content, DC injection and flicker shall be done **at least once in a year** in presence of the **parties concerned** and the indicative date for the same shall be mentioned in the connection agreement.*
- 5) *Provided that in addition to annual measurement, if distribution licensee or transmission licensee or the generating company, as the case may be, desires to measure harmonic content or DC-injection or flicker, it shall inform the other party in writing and the measurement shall be carried out **within 5 working days**.*

A.11.2 List of RE plants commissioned full capacity before 31st Jan'25 and their power quality field testing status is enclosed as **Annexure-IX**. The non-compliant RE plants are requested to conduct the Power Quality measurement, Harmonic analysis, DC injection and Flicker test at earliest **in presence of the concerned parties**, as they are already in violation of the compliance of aforementioned clause B1(4) (Commissioned full capacity 1 year ago as on 31st Jan'25).

A.11.3 Therefore, it is requested to perform Power Quality measurement, Harmonic analysis test and Flicker test at Field in **the presence of concerned parties** as per CEA regulation as mentioned above and submit the Test report for Power Quality

measurement, Harmonic analysis, DC injection and Flicker test showing the %THD and Individual Harmonic distortion at Point of Interconnection for Voltage and Current, DC injection and Flicker at POI

A.11.4 Further, it has been observed that the report submitted by the RE plants does not mention the presence or involvement of the concerned parties during these tests.

Forum may decide the timeline to close these pending compliances related to Power Quality Norms.

A.12. Status of RE evacuation Phase-III transmission system (Agenda by NRLDC)

A.12.1 The commissioning of the planned Phase-III transmission system for evacuation of renewable energy (RE) generation from the Rajasthan RE complex, which is still pending, is critical not only for power evacuation but also for strengthening the RE pocket. It will enhance overall system stability and reduce vulnerability to fluctuations and issues at the Point of Interconnection (POI).

A.12.2 Although approximately 3200 MW of Phase-III RE generation capacity has already been commissioned, none of the corresponding Phase-III transmission infrastructure has been commissioned. This mismatch is creating a major bottleneck in RE power evacuation and is resulting in curtailment of RE schedules, being treated as TGNA..

A.12.3 Commissioning of Phase-III transmission system would not only create additional margin but would also relieve constraints in the existing system.

A.12.4 **PGCIL/Strelite is requested to provide an update on the status and the expected timeline of commissioning for following elements;**

- i. 765kV Sikar-II-Khetri D/C line.
- ii. 765kV Sikar-II-Narela D/C line.
- iii. 765kV Bhadla-III – Ramgarh D/C
- iv. 765kV Bhadla-III PS – Sikar-II D/C
- v. 765kV Fatehgarh-III-Bewar D/C
- vi. 765kV Beawar-Dausa system. D/C
- vii. LILO of both circuits of Jaipur (Phagi)-Gwalior 765 kV D/c at Dausa
- viii. LILO of both circuits of Ajmer – Chittorgarh 765 kV D/c at Beawar

A.12.5 As on 23.01.2026. ~2.9 GW of present commissioned RE power having non effective GNA is being restricted during solar peak hrs. i.e. 11:30hrs to 14:30hrs to ensure the Grid Security and Reliability, evacuation of the restricted RE power can be facilitated with commissioning of above-mentioned Transmission elements.

Forum may discuss the present status and actual timeline of the above-mentioned Transmission elements.

A.13. Assessment of HVRT/LVRT Compliance and Performance of RE Generators during Oscillations in Rajasthan (Agenda by NRLDC)

A.13.1 Rajasthan has an installed renewable energy capacity of around 12,000 MW, with substantial additional capacity under various stages of implementation. With the

increasing penetration of intra-state renewable energy generation and deployment of Phasor Measurement Units (PMUs) at renewable generating stations, it has become imperative to undertake continuous performance monitoring and detailed analysis of RE plants for HVRT/LVRT compliance. Further, PMU-based dynamic analysis during system disturbances and oscillatory events is required to assess the impact of RE plants on system damping characteristics and to ascertain whether such generation contributes to degradation of system stability.

A.13.2 In this regard, periodic sharing of analytical summaries/reports by Rajasthan with NRPC/NRLDC is proposed, which would support grid stability assessment, dynamic performance evaluation, and strengthening of renewable energy pockets in the region.

Forum may kindly deliberate.

A.14. Compliance regarding Rated Capacity demonstration and Performing Frequency response test (Agenda by NRLDC)

A.14.1 In accordance with clause 22 and 24 of CERC IEGC Regulations, 2023

Quote

22. TRIAL RUN OF GENERATING UNIT

b) Successful trial run of a solar inverter unit(s) covered under sub-clause (a) of this clause shall mean the flow of power and communication signal for not less than four (4) hours on a cumulative basis between sunrise and sunset in a single day with the requisite metering system, power plant controller, telemetry and protection system in service. The generating company shall record the output of the unit(s) during the trial run and shall corroborate its performance with the temperature and solar irradiation recorded at site during the day and plant design parameters

Provided that:

- i. the output below the corroborated performance level with the solar irradiation of the day shall call for a repeat of the trial run.*
- ii. if it is not possible to demonstrate the rated capacity of the plant due to insufficient solar irradiation, COD may be declared subject to the condition that the same shall be demonstrated immediately when sufficient solar irradiation is available after COD, within one year from the date of COD.*

24. DOCUMENTS AND TESTS PRIOR TO DECLARATION OF COMMERCIAL OPERATION

- a) The generating company shall submit a certificate confirming compliance with CEA Technical Standards for Connectivity in accordance with sub-clause (a) of clause (4) of Regulation 26 of these regulations.*
- b) Type test report for Fault Ride through Test (LVRT and HVRT) for units commissioned after the specified date as per CEA Technical Standards for Connectivity mandating LVRT and HVRT capability shall be submitted.*
- c) The following tests shall be performed at the point of interconnection:*
 - i. Frequency response of machines as per the CEA Technical Standards for Connectivity.*
 - ii. Reactive power capability as per OEM rating at the available irradiance or the wind energy, as the case may be.*

Provided that the generating company may submit offline simulation studies for the specified tests, in case testing is not feasible before COD, subject to the condition that tests shall be performed within a period of one year from the date of achieving COD.

Unquote

Table 5: List of Non-complied RE Generator

Sl. No.	Plant	Plant Capacity	Commissioned capacity	Last Capacity COD Date	Rated Capacity demonstration date	FRT date	Remarks
1	Serentica Renewables India 5 Pvt Ltd (SRI5PL)	232	232	6-Oct-2025	Pending	12 Aug 2025	Reminder :- mail sent on 26 may 25, 7 Jan 26, and letter 24 june 25 , 13 aug 25, 7 Jan 26
2	AYANA RENEWABLE POWER THREE PRIVATE LIMITED (ARP3PL)	300	300	8-Feb-2025	14 Jan 2026	Pending	Reminder :- mail sent on 26 may 25, 28 july 25, 9 sep 25, 7 Jan 26, 21 Jan 26 and letter 24 june 25, 13 aug 25, 19 nov 25
3	Adani Green Energy Twenty Five Limited	500	500	23-Mar-2025	Pending	24-Nov-2025	Reminder :- mail sent on 13 aug 25, 26 aug 25, 9 sep 25, 7 Jan 26 and letter 19 nov 25
4	Adani Green Energy Twenty Four Limited	500	500	21-Mar-2025	12-Mar-25	Pending	Reminder :- mail sent on 13 aug 25, 26 aug 25, 9 sep 25, 7 Jan 26
5	Nokh Solar Power Plant NTPC Limited(NSP PNL)	735	735	18-Dec-2025	Pending	Pending	Reminder :- Mail 7 Jan 26
6	Gorbea Solar Private Limited(GSP L_SL_BHD2_PG)	300	300	8-Jun-2025	Pending	21 Jan 2026	Reminder :- mail sent on 13 aug 25, 9 sep 25 and letter 19 nov 25
7	Juniper Nirjara Energy Pvt. Ltd	50	50	23-Mar-2025	20-Mar-2025	Pending	Reminder :- mail sent on 26 may 25 , 9 sep
8	SJVN GREEN ENERGY LIMITED	1000	1000	24-Dec-2025	Pending	Pending	Reminder :- mail 21 Jan 26.
9	Karinsar Solar Plant NHPC Ltd	300	300	10-Oct-2025	Pending	Pending	Reminder :- Mail 7 Jan 26, and letter 19 nov 25.
1	ACME Sikar	300	300	26-Jun-	Pending	Pending	Reminder :- mail sent on

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0	Solar Private Limited(ASS PL_BKN2)			2025			13 aug 2025, 9 sep 25, 7 Jan 26 and letter 19 nov 25
1 1	Neemba Solar Renew Surya Vihaan Pvt Ltd	200	200	21-May-2025	Pending	20-Dec-2025	Reminder :- mail sent on 26 aug 2025, 9 sep 25, 7 Jan 26 and letter 19 nov 25
1 2	Renew Surya Jyoti Private Limited	210	210	25-May-2025	Pending	20-Dec-2025	Reminder :- mail sent on 26 aug 2025, 9 sep, 7 Jan 26 and letter 19 nov 25
1 3	Juna Renewable Energy Private Limited(JRE PL)	335	335	20-Jun-2025	Pending	Pending	Reminder :- mail sent on 26 aug 2025, 9 sep25, 7 Jan 25 and letter 19 nov 25
1 4	XL Xergi Power Private Limited	400	400	30-Jun-2025	Pending	Pending	Reminder :- mail sent on 26 aug 2025, 9 sep 25, 7 Jan 26 and letter 19 nov 25
1 5	Khidrat Renewable Energy Private Limited	300	300	30-Jun-2025	Pending	Pending	Reminder :- mail sent on 26 aug 2025, 9 sep 25, 7 Jan 26 and letter 19 nov 25.
1 6	ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED	50	50	30-Jun-2025	Pending	24-Nov-25	Reminder :- mail sent on 13 aug 25, 26 aug 25, 9 sep 25 and letter 19 nov 25
1 7	AMBUJA CEMENTS LIMITED(AC L)	300	300	31-Dec-2025	8 Jan 2026	Pending	Reminder :- mail sent on 13 aug 25, 26 aug 25, 9 sep 25, 7 Jan 26
1 8	Energizent Power Private Limited	250	69	10-Nov-2025	Pending	Pending	Part commissioned.
1 9	ABC RENEWABLE ENERGY (RJ02) PRIVATE LIMITED	400	400	22-Jan-2026	Pending	Pending	Plant fully commissioned.

Members may like to discuss.

A.15. List of RE Plants with pending Filter Bank Installation (Agenda by NRLDC)

A.15.1 Anta Solar Power Plant, NTPC Ltd (90MW).

- Note- FTC B annexure was return on 12 Jan 2026, but application still not resubmitted.

Members may like to discuss.

A.16. Protection related issues in multiple elements tripping, detailed analysis of the events and status of remedial measures (Agenda by NRLDC)

- A.16.1 The list of major RE tripping events occurred during **November-December 2025** is attached as **Annexure-X**
- A.16.2 **RE plants are requested to review the above-mentioned grid events, prepare detailed analysis report and present the event details during 05th RE sub-committee meeting.**
- A.16.3 Necessary actions also need to be taken to ensure the compliance of LVRT/JVRT during any grid events.
- A.16.4 Further, it is also emphasised that overvoltage protection setting at RE plants to be kept in coordination with the LVRT/HVRT settings at inverter level to avoid unwanted loss of RE generation.

Members may like to discuss.

A.17. Multiple elements tripping events in Rajasthan RE complex on 14.01.2025 (Agenda by NRLDC)

- A.17.1 Multiple elements tripping events have been reported in Rajasthan RE Complex during 13:38 hrs-14:35 hrs on 14th January 2026. Significant drop in NR total RE generation has been observed during these events. Brief of the grid events are as follows:
- Event at 13:38 hrs:** As reported, at 13:38 hrs, 400kV Bassi-Phagi ckt-2 tripped on R-Y fault. At the same time, 765 KV Bhadla2-Fatehgarh2 ckt-3 and 220kV Fatehgarh3-RSAPL ckt tripped on overvoltage. As per SCADA, drop in NR total solar generation of approx. 1681 MW was observed. 700 MW RAPP D unit-7 (generating ~600 MW) also tripped during the event on turbine trip.
 - Event at 14:05 hrs:** As reported, at 14:05 hrs, 765kV Sikar2-Aligarh ckt-1 tripped on R-Y-B three phase fault. At the same time, 765kV Fatehgarh2-Bhadla2 ckt-1&4, 765kV Bikaner-Bhadla2 ckt-1, 765kV Bhadla2-Ajmer ckt-1, 765kV Bhiwani-Narela ckt, 400kV Fatehgarh1-ACME Pool ckt, 400kV Bikaner(PG)-Renew Solar Ckt and 400kV Renew Solar- Renew Surya Ravi Ckt tripped on overvoltage. . As per SCADA, drop in NR total solar generation of approx. 3787 MW was observed.
 - Event at 14:09 hrs:** As reported, at 14:09 hrs, 765kV Sikar2-Aligarh ckt-2 tripped on R-Y fault. As per SCADA, drop in NR total solar generation of approx. 925 MW was observed.
Further, as reported, at 14:35 hrs, 220kV Bikaner2-Renew Dinkar ckt tripped on overvoltage.

List of transmission lines tripped during the event:

Sr.	Transmission line	Tripping	Reason of Tripping
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No.		time	
1	400KV Bassi(PG)-Phagi(RS)(PG) Ckt-1	13:38 hrs	R-Y ph-ph fault
2	765 KV Bhadla2-Fatehgarh2 ckt-3	13:38 hrs	Over Voltage (As per PMU, Vph: 469 kV; 1.06pu for ~5s)
3	220kV Fatehgarh3-RSAPL ckt	13:38 hrs	Over Voltage (As per PMU, Vph:137kV;1.08pu for ~14s)
4	700 MW RAPS D unit--1	13:38 hrs	Turbine tripped
5	765KV Sikar_2(PSTL)-Aligarh(PG) (PASTL) Ckt-1	14:05 hrs	R-Y-B three phase fault
6	220 KV Renew_Dinkar-Bikaner_2 (PBTSL) (Renew Dinkar_UPL) Ckt-1	14:05 hrs	Over Voltage
7	400 KV ACME_Deoghar_Ftgh1(PG)-Fatehgarh Pooling(FBTL) Ckt-1	14:05 hrs	Over Voltage
8	765kV Bikaner-Bhadla2 ckt-1	14:05 hrs	Over Voltage (As per PMU, Vph: 475 kV; 1.07pu for ~5s)
9	765 KV Bhadla2-Fatehgarh2 ckt-4	14:05 hrs	Over Voltage (As per PMU, Vph: 470 kV; 1.06pu for ~6s)
10	400 KV Bikaner(PG)-Bikaner RENEW Solar(RENEW) (Renew Power) Ckt	14:05 hrs	Over Voltage
11	400 KV Renew SuryaRavi (RSRPL)-Bikaner RENEW Solar(RENEW) Ckt-1	14:05 hrs	Over Voltage
12	765 KV Bhadla_2 (PG)-Fatehgarh_II(PG) (PFTL) Ckt-1	14:05 hrs	Over Voltage
13	765kV Bhadla2-Ajmer ckt-1	14:05 hrs	Over Voltage
14	765kV Bhiwani-Narela ckt	14:05 hrs	Over Voltage
15	765KV Sikar_2(PSTL)-Aligarh(PG) (PASTL) Ckt-2	14:09 hrs	R-Y ph-ph fault

A.17.2 Preliminary observations:

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- i) It has been observed that the active power of several RE plants did not fully recover after fault clearance within 100 ms (reduction in generation of ~100 MW at APTFL, ~90 MW at Devikot, ~50 MW at AHEJ4L, ~85 MW at TPGEL, ~180 MW ASEJ2L, ~82 MW at ARTPL and ~135 MW at MSUPL). Accordingly, the root cause analysis and LVRT performance of such RE stations need to be reviewed.
- ii) The reason for tripping of the 220 kV RSAPL and Renew Dinkar RE stations during overvoltage conditions needs to be explained. As per the general guidelines, voltage protection is kept OFF in all RE stations connected at the 220 kV level. In this regard, the DR/EL along with the voltage protection settings of RSAPL and RDUPL RE stations may kindly be shared.
- iii) Tripping of 765kV Fatehgarh2-Bhadla2 ckt-1 & 4, 765kV Bikaner-Bhadla2 ckt-1 and 765kV Bhadla2-Ajmer ckt-1 needs to be reviewed as voltage didn't go above 1.075pu during the overvoltage condition and these lines are having OV stage-1 pick up at 108% and above. DR/EL and tripping analysis of these lines need to be shared. Details report is available in **Annexure-XI**.
- iv) Remedial action taken report may be shared.

A.17.3 It may be noted that frequent tripping of such elements affects the reliability and security of the grid. Hence, **utilities are requested to analyse the root cause of the tripping and share the remedial measures taken/being taken in this respect.**

Members may like to discuss.

A.18. Status of submission of DR/EL and tripping report for the month of November-December 2025 (Agenda by NRLDC)

- A.18.1 The status of receipt of DR/EL and tripping report of utilities for the month of **November-December 2025** are attached as **Annexure-XII**.
- A.18.2 **As per IEGC clause 37.2 (c), Disturbance Recorder (DR), station Event Logger (EL), Data Acquisition System (DAS) shall be submitted within 24 hrs of the event and as per IEGC clause 37.2 (e), the user shall submit a detailed report in the case of grid disturbance or grid incidence within one (1) week of the occurrence of event to RLDC and RPC.**
- A.18.3 However, it is evident from the submitted data that reporting status is not satisfactory and needs improvement. Non submission of DR/EL & tripping details further affect the grid event analysis.
- A.18.4 Members may please note and advise the concerned for timely submission of the information.
- A.18.5 **RE plants are requested to upload DR/EL of all the tripping incidents on Web Based Tripping Monitoring System "<http://103.7.128.184/Account/Login.aspx>" within 24 hours of the events as per IEGC clause 37.2(c) and clause 15.3 of CEA grid standard.**

A.18.6 Apart from prints of DR outputs, the corresponding COMTRADE files (.cfg/.dat) may please also be submitted in tripping portal / through email.

Members may like to discuss.

A.19. Issues in Real-Time Communication with ISTS-Connected RE Plants in Northern Region (Agenda by NRLDC)

A.19.1 More than 95 renewable energy (RE) plants have been commissioned at the ISTS level in the Northern Region (NR), and the number is steadily increasing. While this is a positive development for green energy integration, it is creating several operational challenges, particularly with regard to real-time communication.

A.19.2 The following issues have been observed:

- **Multiple and Unstable Contact Points:**

Multiple mobile numbers are being shared by RE plants for different functions such as scheduling, forecasting, real-time operation, SCADA, and protection. This causes confusion, especially in plants where no QCA (Qualified Coordinating Agency) is appointed.

- **Frequent Change in Responsible Personnel:**

The designated point of contact often changes, and in many cases, the contact person is not stationed at the plant. When contacted, they request time to coordinate with the plant control room, leading to unnecessary delays.

Further, it is observed the ownership transfer of the plant/Park without prior information to NRLDC. This leads to changing of manpower and communication details.

- **Delayed Response to NRLDC Communications:**

A noticeable delay has been observed in actioning the instructions or communications from the NRLDC control room, impacting grid reliability and smooth operation.

This is the issue with response to **MVAR Code** by NRLDC and to communication for **schedule revision**.

- **VOIP Communication Issues:**

During real-time operations, plants tend to prefer mobile communication over VOIP. In many instances, the VOIP numbers provided are either non-functional or not attended, further hampering coordination

A.19.3 Following is the list which is already communicated on 19.12.2025 which is as follows with their responses:

Date	Plant Name	Number	Status	Reply	Reply Date
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19.12.2025	RSWPL3_FT G2 (SUPL_FTG2)	20112507	not working	communiucation is healthy from their end (VoIP communication is healthy; I have checked by communicating with PGCIL-02 (20112502) & SECI-IV (20112509). Result is positive.)	22.12.2025
19.12.2025	RSEKPL_BHD L2	20112554	not working		
19.12.2025	RENEW BIKANER	20112454	not working		
19.12.2025	RSRPL_FTG3	20112564	not working		
19.12.2025	NRSVPL_FTG 3	20112586	not working		
19.12.2025	AXPPL_FTG3	20112558	not working		
19.12.2025	XXPPL_FTG3	Not Available	not available		
19.12.2025	NSNTPC_FT G1	20112525	not working		
19.12.2025	KREPL_BKN2	Not Available	not available		
19.12.2025	JREPL_BKN2	Not available	Not available	As per mail trail, please issue Juna Renewable Energy Private Limited (JREPL) VOIP Communication IP and No. for further setup.	08.01.2026
19.12.2025	CSPJPL_BHD L	20112527	working but phone not picking		
19.12.2025	ERAPL_BHDL 2	20112558	not working		
19.12.2025	APTFL	20112466	not working		
19.12.2025	Azure Power Forty Three	20112487	not working		
19.12.2025	APMPL_BHDL	20112504	not working		
19.12.2025	ACME	20112460	not working	they will check with SCADA team	19.12.2025
19.12.2025	ARP1PL_BKN	20112517	not working		
19.12.2025	TPREL	20112464	not working		
19.12.2025	TS1PL_BKN	20112529	not working		

A.19.4 Further, Following is the present status as on date (28.01.2026):-

Plant Name	VOIP No.	Old Status	Current Status	Remarks
AREPER PS	20112456	not working	not working	
SAURYA URJA PS	20112458	working with issues	working with issues	voice not coming
ACME	20112460	not working	not working	
APTFL	20112466	not working	not working	
Azure Power Forty Three	20112487	not working	not working	
RENEW BIKANER	20112454	not working	not working	
RAWRA	20112457	not working	not working	
ERCPL_FTG2	20112506	working	working with issues	voice is not going there
RSWPL3_FTG2	20112507	not working	not working	
ASEJ2PL_BKN /	20112508	working	working	voice not

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ASEJ2PLP2_BKN			with issues	coming
AHEJ2L	20112513	not working	not working	
AP41PL_BHDL	20112503	not working	not working	
ASunceEPL_BKN	20112515	not working	not working	
ARP1PL_BKN	20112517	not working	not working	
AHEJ4L	20112519/20/21/ 22	not working	not working	
AvRJHNPL_BKN	20112515	not working	not working	
NSNTPC_FTG1	20112525	not working	not working	
AvSusRJPPPL_BKN	20112515	not working	not working	
APMPL_BHDL	20112504	not working	not working	
TS1PL_BKN	20112529	not working	not working	
RSEKPL_BHDL2	20112554	not working	not working	
AEGSPL_BHDL2	20112557	not working	not working	
AXPPL_FTG3	20112558	not working	not working	
ASERJ2PL_FTG2	20112561	not working	not working	
RSAPL_FTG3	20112562	working with issues	working with issues	voice is not coming
AEGSPL_BHDL2	20112557	not working	not working	
AEGFPL_BHDL2	20112557	not working	not working	
AGE25L_BHDL2	20112573	not working	not working	
JGCPL_BKN2	20112576	working	not working	
AGE24L_FTG2	20112574	not working	not working	
AGE4PL_BHDL2	20112557	not working	not working	
JNEPL_BKN2	20112576	working	not working	
NRSVPL_FTG3	20112586	Not Available	not working	
RSJPL_FTG3	20112585	Not Available	not working	
ASSPL_BKN2	21410301	Not Available	not working	
XXPPL_FTG3	21410303	Not Available	not working	
ERAPL_BHDL2		Not Available	Not Available	
ASEJ6PL_BHDL2	20112573	Not Available	not working	
KREPL_BKN2	21410307	Not Available	not working	
JREPL_BKN2	21410316	Not Available	not working	
ACL_BHDL		Not Available	Not Available	

A.19.5 Way Forward:

Following is the link to upload the changes of communication to the google form as below: -

<https://docs.google.com/forms/d/1iTZ3SCyk6Zk39pcCUSgUnt7EQ38WadiX6mh5SN4JZXo/edit>

NR RE Plant contact details	
Provide	
* Indicates required question.	
1. Email *	6. Name of Plant-in-Charge *
2. Authorized name of the plant *	7. Plant-in-Charge Mobile No *
3. Post Address	8. Name of SCADA person
4. Control Room Mobile No. *	9. SCADA related No.
5. Control Room Mail ID *	10. Realtime RLDC depatched Schedule/Curtailment/TRAS realted person
	11. Realtime RLDC depatched Schedule/Curtailment/TRAS realted person Mobile no.
	12. O&M Head Name - Post *
	13. O&M Head Contact No.

A.19.6 To ensure efficient grid management and real-time coordination, the following measures may be considered:

- Dedicated 24x7 control room contact number (other than VOIP) for each RE plant.
- Ensuring up-to-date contact details are submitted to NRLDC and updated immediately upon any change.
- Ensure proper working of VOIP numbers.

Members may like to discuss.

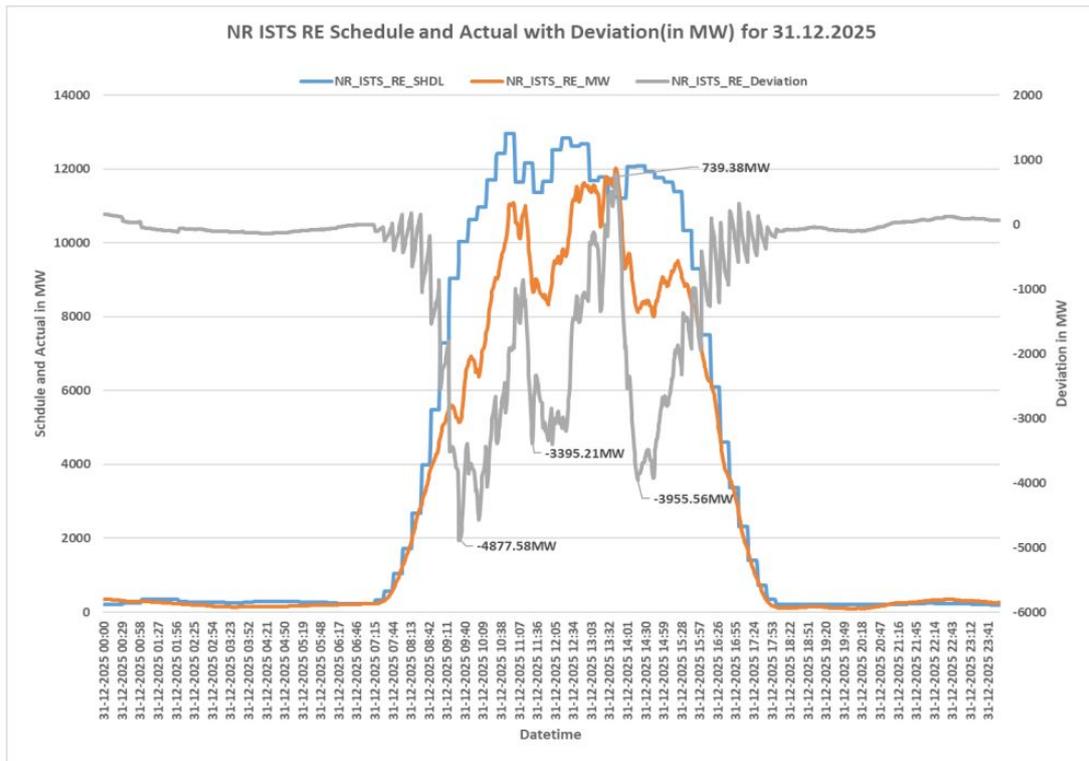
A.20. Deviation and Over-injection in NR ISTS connected RE plants from schedule (Agenda by NRLDC)

Deviation in NR ISTS connected RE plants from schedule: -

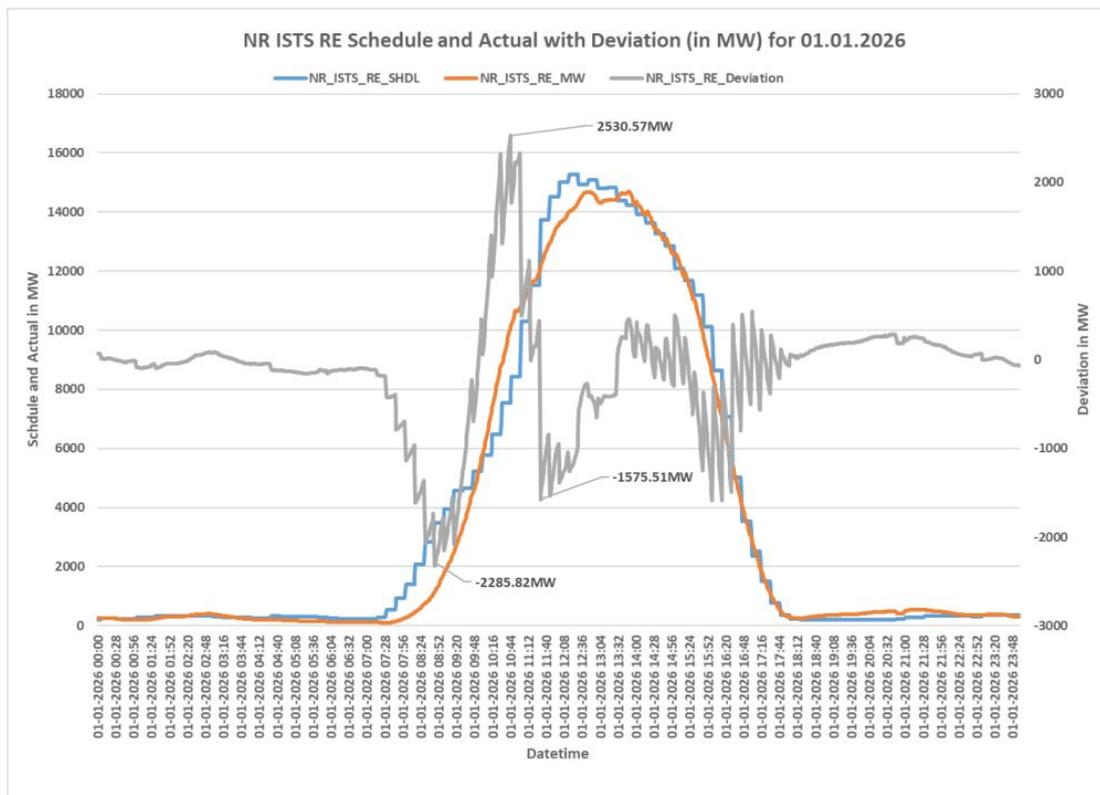
A.20.1 It has been observed plants are deviating from schedule for inclement weather conditions. Also proactive actions in terms of schedule revision and thereafter, generation control is not being done by NR ISTS RE plants. This leads to heavy unbalance in the system.

Letters for following dates are already issued:-

शेड्यूल से विचलन (31.12.2025)



शेड्यूल से विचलन (01.01.2026)



A.20.2 Following is the Break-up for coinciding under-injection of the order of 4889.57MW (@09:31Hrs on 31.12.2025) NR ISTS connected RE:

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NR ISTS RE Deviation from Schedule = -4889.57MW													
Bhadla	-745.72MW	Bhadla2	-979.79MW	Bikaner	-803.33	Bikaner2	-562.22MW	Fatehgarh1	-380.88MW	Fatehgarh2	-783.71MW	Fatehgarh3	-515.12MW
ACME Chittorgarh	-43.12MW	ABCRJ01	-111.31MW	Avaada RJHN	-52.93MW	AAPL	-48.54MW	AHEJ4L	-97.14MW	AHEJOL	-67.58MW	AXPPL	-107.06MW
ARERJL	-52.79MW	AEG4PL	-22.16MW	Avaada Sunce	-83.44MW	ARTPL	-33.68MW	ADSPPL	-38.84MW	AHEJ2L	-106.95MW	RSVPL	-25.92MW
ASE4PL	-5.7MW	AEG5PL	-33MW	Avaada Sustainable	-61.84MW	GEPL	-30.1MW	ADHSPPL	-14.43MW	AHEJ3L	-117MW	RSPL	-62.11MW
ASEJ2L	-8.43MW	AEGSPL	-23.65MW	Ayana1	-77.86MW	JGCPL	-29.87MW	APSPPL	-32.89MW	ASEJOPL	-120.02MW	RSAPL	-94.16MW
CSPJPL	-63.31MW	AGE25PL	-149.06MW	RSRPL	-49.22MW	JNEPL	-12.02MW	ARSPPL	-64.61MW	ASERJ2PL	-68.80MW	RSRPL	-131.93MW
CSP(Saurya Urja)	-90.91MW	ACME He	-71.05MW	RSPL	-47.32MW	TESPL	-6.98MW	Nidan	-79.36MW	Devikot	-31.42MW	XXPPL	-73.67MW
Renew(Adani)	-15.98MW	Avaada S	-65.89MW	TPGEL	-26.61MW	TPSL	-38.55MW			Eden	-101.23MW	NRSVPL	-47.58MW
SB(Saurya Urja)	-54.55MW	GSPL	-40.83MW	TPSL	-22.31MW	TSESPL	-9.43MW			RSEJ3PL	-54.95MW	RSJPL	-62.41MW
SBE6PL	-18.64MW	Kolayat	-116.79MW	TS1PL	-68.91MW	JREPL	-85.52MW			RSBPL	-29.1MW		
TPREL	-68.16MW	MSUPL	-52.74MW	ASEJ2PLP1	-40.44MW	KBNHPC	-10.84MW			RSUPL	-65.36MW		
APTFL	-47.59MW	Nokhra	-89.17MW	ASEJ2PLP2	-42.47MW	OVEPL	-24.31MW			RSWPL(SUPL)	-66.65MW		
Azure(Adani)	-66.03MW	Nokh	-169.19MW	Ayana3	-78.31MW	SRI4PL	-55.68MW						
Azure Mapple	-14.78MW	RSEKPL	-44.8MW	Azure43	-151.01MW	SRI5PL	-47.02MW						
Azure41	-79.73MW	ERAPL	-70.02MW			TGEPL	-16.11MW						
MSRPL	-66.28MW					TSESOPPL	-19.05MW						
						ASSPL	-88.39MW						
						KREPL	-23.22MW						

Constituents are requested to improve forecasting.

Over-injection in NR ISTS connected RE plants from schedule: -

A.20.3 NR ISTS connected RE plants are in over-injection which leads to overloading of lines and system out of n-1-1 compliance. These conditions are more stringent when there is some tripping or emergency outage.

A.20.4 Following is the Break-up for coinciding under-injection of the order of 4067.33MW (@11:14Hrs on 10.01.2026) NR ISTS connected RE:

NR ISTS RE Deviation from Schedule = 4067.33MW									
Bhadla	1358.03MW	Bhadla2	1232.1MW	Fatehgarh1	667.04MW	Fatehgarh2	1091.38MW	Fatehgarh3	120.37MW
ACME Chittorgarh	131.44MW	ABCRJ01	120.21MW	AHEJ4L	13.53MW	AHEJOL	148.7MW	AXPPL	27.18MW
ARERJL	109.27MW	AEG4PL	2.22MW	ADSPPL	136.46MW	AHEJ2L	130.79MW	RSPPL	21.66MW
ASE4PL	26.04MW	AEG5PL	42.73MW	ADHSPPL	134.12MW	AHEJ3L	106.43MW	RSAPL	10.11MW
ASEJ2L	15.07MW	AEGSPL	0.63MW	APSPPL	138.24MW	ASEJOPL	117.05MW	RSRPL	38.78MW
ASERJ2PL_BHDL	15.19MW	AGE25PL	4.56MW	ARSPPL	139.45MW	AGE24PL	124.24MW		
CSPJPL	142.41MW	ACME Heergarh	191MW	Nidan	105.37MW	ASERJ2PL	66.41MW		
CSP(Saurya Urja)	138.42MW	Avaada Sunrays	180.09MW			Devikot	63.87MW		
Renew(Adani)	13.55MW	Kolayat	109.47MW			Eden	138.89MW		
SB(Saurya Urja)	97.9MW	MSUPL	116.01MW			RSEJ3PL	29.39MW		
SBE6PL	126.28MW	Nokhra	153.66MW			RSBPL	56.64MW		
TPREL	78.83MW	Nokh	225.38MW			RSUPL	77.15MW		
APTFL	68.51MW	RSEKPL	74.86MW			RSWPL(SUPL)	31.46MW		
Azure(Adani)	109.75MW	ERAPL	10.23MW						
Azure Mapple	101.38MW								
Azure41	162.84MW								
MSRPL	124.18MW								

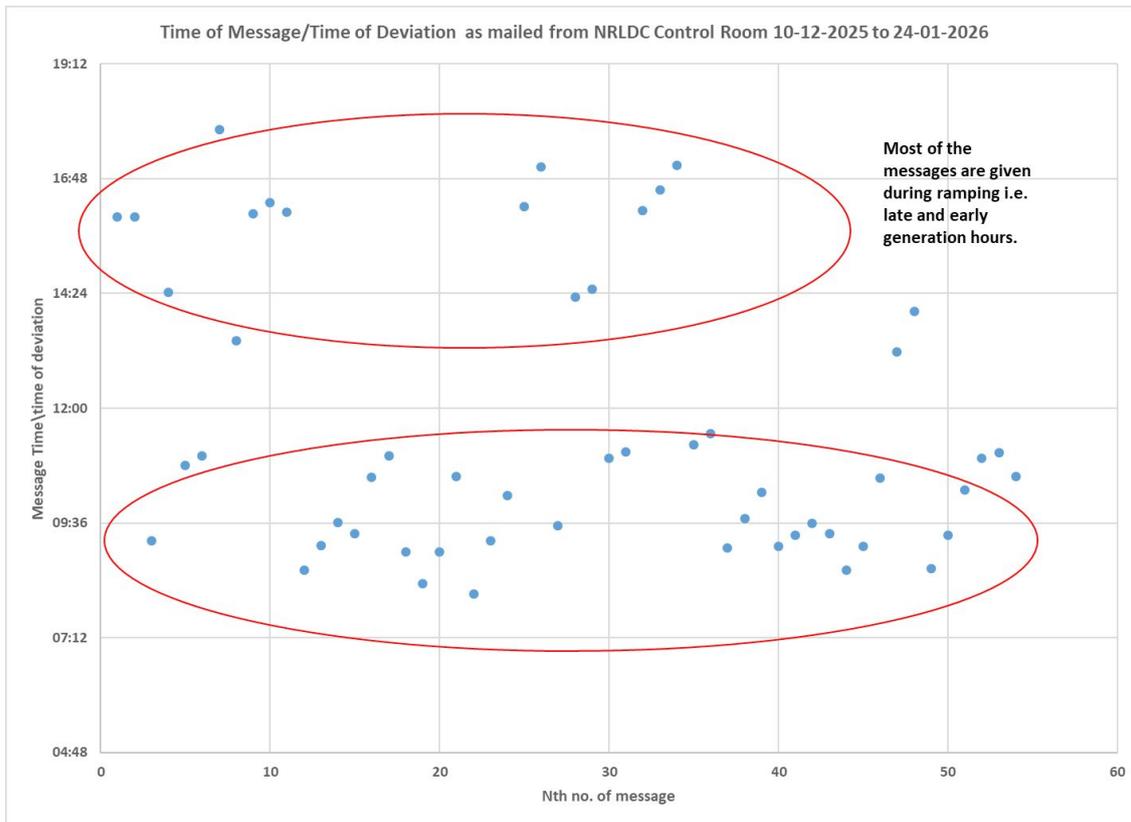


Figure 2:- Mail communication from NRLDC Control Room in the period from 11-12-2025 to 24-01-2026

A.20.5 List of general mails including NR ISTS RE plants and QCAs:-

Date	Time of Message/Time of Deviation	Deviation(Over-injection(+)/Under-injection(-))	Freq.(If Mentioned)-Hz	Area
11-12-2025	16:00	1500-1700MW	50.28	NR ISTS
12-12-2025	16:00	1200MW	50.34	NR ISTS
14-12-2025	09:14	-820MW	49.763	NR ISTS
14-12-2025	14:25	-2380MW		NR ISTS
15-12-2025	10:48	2269MW		NR ISTS
16-12-2025	11:00	-713MW		NR ISTS
18-12-2025	17:50	-209MW		NR ISTS
20-12-2025	13:25	-1300MW		NR ISTS

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20-12-2025	16:04	1619MW	50.31	NR ISTS
20-12-2025	16:18	1521MW	50.1	NR ISTS
21-12-2025	16:06	-1416MW		NR ISTS
22-12-2025	08:37	-2116MW		NR ISTS
22-12-2025	09:08	-2757MW		NR ISTS
23-12-2025	09:37	-1535MW		NR ISTS
24-12-2025	09:23	1988MW		NR ISTS
24-12-2025	10:33	700MW		NR ISTS
26-12-2025	11:00	-1600MW		NR ISTS: Majorly at Bikaner 1 and Bhadla 2
31-12-2025	09:00	-2160MW	49.72	NR ISTS: Bikaner 1 and Bhadla 2, Bhadla and Bikaner
01-01-2026	08:20	-1500MW	49.79	NR ISTS
01-01-2026	09:00	-2100MW	49.757	NR ISTS
01-01-2026	10:34	-1284MW		NR ISTS
02-01-2026	08:07	-870MW		NR ISTS
02-01-2026	09:14	-1100MW		NR ISTS

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02-01-2026	10:10	-1700MW		NR ISTS
03-01-2026	16:13	966MW		NR ISTS
04-01-2026	17:03	1334MW		NR ISTS
07-01-2026	09:33	-1514MW		NR ISTS
07-01-2026	14:19	2200MW		NR ISTS
07-01-2026	14:29	2024MW		NR ISTS
09-01-2026	10:57	2000MW		NR ISTS
09-01-2026	11:05	1680MW		NR ISTS
09-01-2026	16:08	1563MW	50.21	NR ISTS
09-01-2026	16:34	2062MW	50.14	NR ISTS
09-01-2026	17:05	1303MW	50.18	NR ISTS
10-01-2026	11:14	3700MW	50.09	NR ISTS
11-01-2026	11:28	1400MW	50.12	NR ISTS
12-01-2026	09:05	1350MW	50.3	NR ISTS
12-01-2026	09:42	2358MW		NR ISTS
15-01-2026	10:14	1328MW		NR ISTS
18-01-2026	09:07	-1750MW	49.757	NR ISTS
18-01-2026	09:21	-1600MW	49.67	NR ISTS
18-01-2026	09:36	-2300MW	49.78	NR ISTS
21-01-2026	09:23	1350MW		NR ISTS

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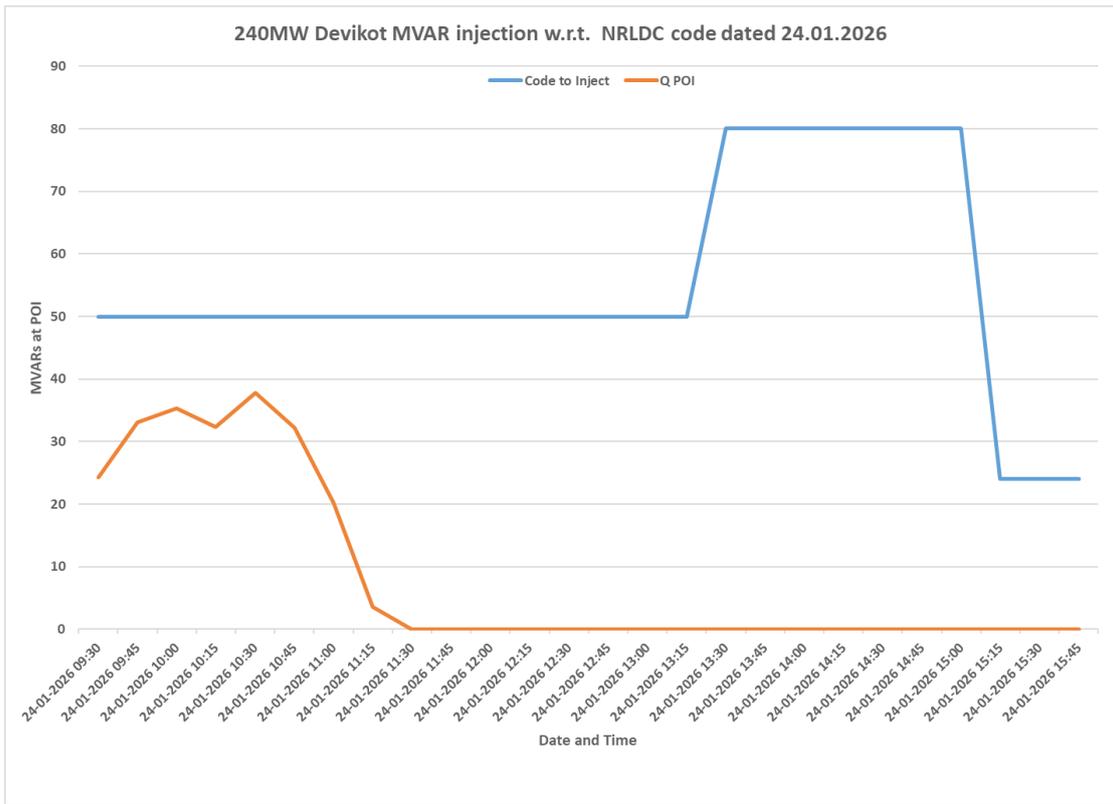
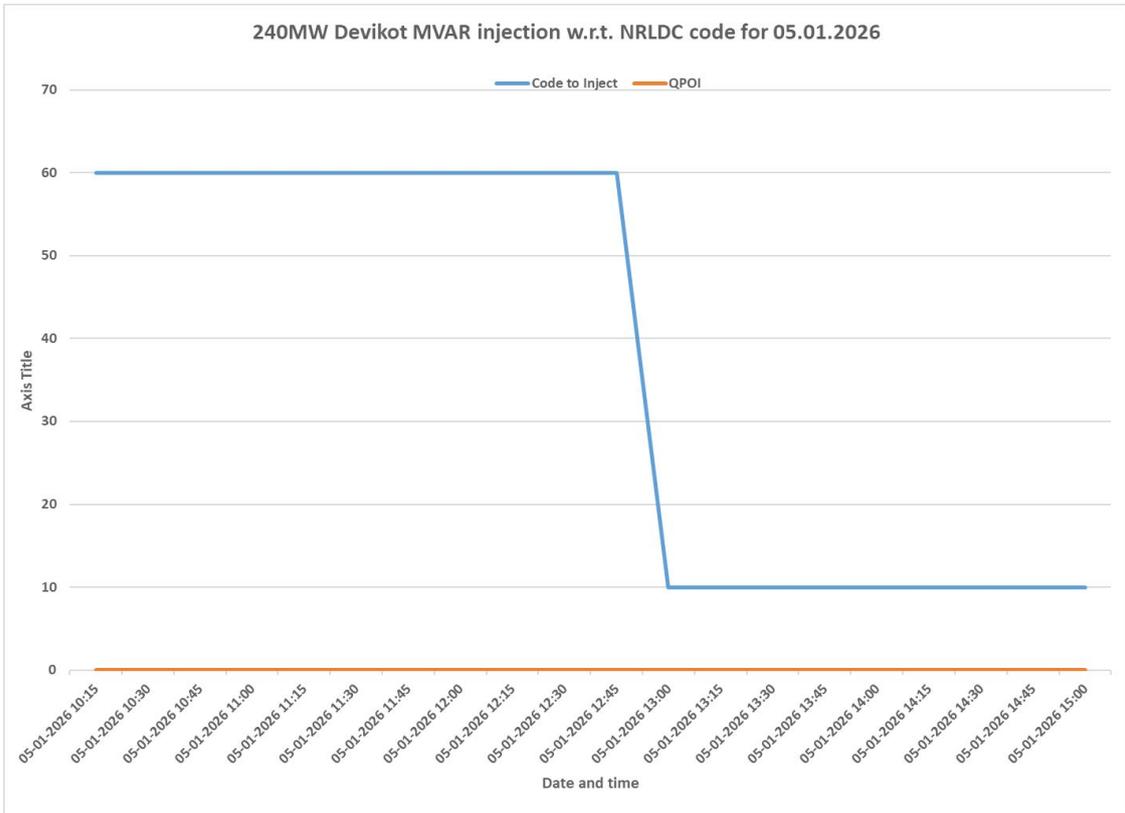
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22-01-2026	08:37	-1400MW		NR ISTS
22-01-2026	09:07	-2400MW		NR ISTS
22-01-2026	10:32	-2240MW		NR ISTS
22-01-2026	13:11	644MW		NR ISTS
22-01-2026	14:01	-1872MW		NR ISTS
23-01-2026	08:39	2955MW		NR ISTS
23-01-2026	09:21	3200MW		NR ISTS
23-01-2026	10:17	2441MW		NR ISTS
23-01-2026	10:57	900MW		Bikane r1 and Bikane r2
23-01-2026	11:04	300MW		Bhadla
24-01-2026	10:34	-3019MW		NR ISTS

Members may like to discuss.

A.21. Non-compliance of NRLDC control room code of MVAR injection in Fix-Q mode (Agenda by NRLDC)

A.21.1 It has been observed frequent non-compliance of NLRDC codes which are given for Fix –Q injection mode. For e.g. following is the date for some dates: -



NTPC Devikot may deliberate the issue.

A.22. Constraints in evacuation of RE power in Western Rajasthan: Change in procedure for issuance of Deemed T-GNA/ Standing Clearance to RE plants (Agenda by NRLDC)

A.22.1 As per the provision of clause 22.4(a) of CERC (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022 stating:

Quote

.....
"Provided also that where such GNA is yet to become effective, such entity shall be eligible to get its power scheduled partly or fully of the quantum of Connectivity sought for, subject to availability of transmission system by treating such access as deemed T-GNA and shall not be required to pay T-GNA charges."

Unquote

A.22.2 Earlier, deemed T-GNA/ NOC is being issued by the NRLDC on bi-monthly basis as per the margins available in the system. Based on the request of RE generating plants, NRLDC has reviewed the process of issuance of deemed T-GNA/ NOC. Henceforth, NOCs are being issued on weekly basis and, following process is adopted w.e.f. 16th Jan'26:

- i. Deemed T-GNA shall be issued on weekly basis (i.e. 1st to 7th of the month, 8th to 14th, 15th to 21st and 22nd to last day of the month).
- ii. All the applications received till 24:00 Hrs of D-3 for the next week shall be processed together, and margin shall be allocated on pro-rata basis and applications received after this period shall be processed on first come first served basis. Timeline for NOC application is as per the table below:

Period	Timeline for NOC application
1 st – 7 th day of the month	24:00 Hrs of 28 th (for 30 days month) / 29 th (for 31 days month) day of previous month
8 th – 14 th day of the month	24:00 Hrs of 5 th day of the month
15 th – 21 st day of the month	24:00 Hrs of 12 th day of the month
22 nd – last day of the month	24:00 Hrs of 19 th day of the month

A.22.3 Hence, all RE plants are requested to apply for Deemed T-GNA/ NOC on weekly basis as per the timeline mentioned above.

Members may like to discuss.

A.23. Voltage fluctuations in Rajasthan (Agenda by IndiGrid)

A.23.1 IndiGrid has submitted that Renew Surya Ayaan Pvt. Ltd. (RSAPL), 300MWac solar plant in Jaisalmer district is connected at 220kV bay of Fatehgagh-3 ISTS substation of PGCIL.

A.23.2 On a sample basis, IndiGrid has analyzed one week line voltage data from 14th to 20th January 2026, and summary is presented in Table below:

Date	Number of instances where voltage (1 sec resolution) is higher than 230 kV	Max recorded voltage (1 sec resolution) kV
14-01-2026	4780	242.73
16-01-2026	1171	231.54
17-01-2026	774	242.31
18-01-2026	382	243.39
19-01-2026	2280	238.75
20-01-2026	2210	237.24

A.23.3 Jaisalmer Solar Urja VI Pvt. Ltd (Previously known as RSUPL), 300MWac solar plant in Jaisalmer district is connected at 220kV bay of Fatehgagh-2 ISTS substation of PGCIL.

A.23.4 On a sample basis, IndiGrid has analyzed one week line voltage data from 3rd to 20th January 2026, and summary is presented in Table below:

Date	Number of instances where voltage (1 sec resolution) is higher than 230 kV	Max recorded voltage (1 sec resolution) kV
03-01-2026	1694	232.0
05-01-2026	292	232.7
07-01-2026	775	232.4
08-01-2026	4907	232.6
09-01-2026	2219	232.5
10-01-2026	90	230.4
11-01-2026	206	230.2
12-01-2026	3074	234.3
13-01-2026	5310	232.0
14-01-2026	1081	240.6
15-01-2026	1044	235.3
16-01-2026	3335	232.9
17-01-2026	263	232.9

18-01-2026	103	234.2
19-01-2026	1478	234.8
20-01-2026	136	231.9

Members may like to discuss.

A.24. Allowing existing REGS to install BESS (Agenda by IndiGrid)

- A.24.1 IndiGrid has submitted that most of the recent REGS projects are standalone solar or wind projects. Connectivity for such projects are utilized in only specific hours (for example in solar hours for solar projects and majorly in nighttime for wind projects), which is under utilization of the transmission capacity.
- A.24.2 Huge quantum of must-run RE power is being curtailed for various reasons like power evacuation infrastructure constraints, low demand, grid security etc.
- A.24.3 Due to inherent nature of the RE projects which are dependent on weather, there is higher deviation between scheduled power and injected power which leads to mismatch between energy demand and supply.
- A.24.4 Indian grid needs ESS (Energy Storage System) for various use cases like peak demand, frequency response, ancillary services etc.
- A.24.5 Currently there is no clear regulation to install BESS in existing operating solar and wind projects
- A.24.6 IndiGrid has requested that this matter may be taken up with the Ministry of Power and Ministry of New and Renewable Energy to notify suitable regulations along with tariff compensation mechanism so that existing solar or wind projects can install BESS projects. Further, Energy from BESS shall be allowed to be sold in merchant power basis to make projects more economically viable.

Members may like to discuss.

Annexure-I

Renewable Energy Plants

S. No.	Name of Plant	Pooling Station Name	Installed Capacity	Type (Solar/Wind)	COD	Owner	Sector	Control Area	Inverter/ WTG Make	Inverter/ WTG Model	PPC Make	Real and Reactive Power Capability for Generator			Power Plant Controller Function Test			Frequency Response Test			Active Power Set Point change test			Reactive Power (Voltage / Power Factor / Q) Set Point change test						
												Last tested on (dd/mm/yyyy)	Whether due?	Tentative Schedule date	Last tested on (dd/mm/yyyy)	Whether due?	Tentative Schedule date	Last tested on (dd/mm/yyyy)	Whether due?	Tentative Schedule date	Last tested on (dd/mm/yyyy)	Whether due?	Tentative Schedule date	Last tested on (dd/mm/yyyy)	Whether due?	Tentative Schedule date				
1	Clean Solar Power Bhadi_R-1 Pvt Ltd	220 KV SUCRL PSS-2	100	Solar	15-02-20	Clean Solar Power Bhadi_R-1 Pvt Ltd	MNRE		Huawei	SUN2000-95KTL	Siemens	15-02-20	Yes	Dec-25	15-02-20	Yes	Dec-25	15-02-20	Yes	Dec-25	15-02-20	Yes	Dec-25	15-02-20	Yes	Dec-25				
2	Clean Solar Power Bhadi_R-2 Pvt Ltd	220 KV SUCRL PSS-2	100	Solar	28-02-20	Clean Solar Power Bhadi_R-2 Pvt Ltd	MNRE		Huawei	SUN2000-95KTL	Siemens	28-02-20	Yes	Dec-25	28-02-20	Yes	Dec-25	28-02-20	Yes	Dec-25	28-02-20	Yes	Dec-25	28-02-20	Yes	Dec-25				
3	Clean Solar Power Bhadi_R-3 Pvt Ltd	220 KV SUCRL PSS-2	100	Solar	10-12-19	Clean Solar Power Bhadi_R-3 Pvt Ltd	MNRE		Huawei	SUN2000-95KTL	Adaptive	10-12-19	Yes	Dec-25	10-12-19	Yes	Dec-25	10-12-19	Yes	Dec-25	10-12-19	Yes	Dec-25	10-12-19	Yes	Dec-25				
4	Clean Solar Power Jodhpur Pvt Ltd	220 KV CSPJ PSS	250	Solar	21-04-22	Clean Solar Power Jodhpur Pvt Ltd	MNRE		Sungrow	SG250HX-IN & SG2500HV	Adaptive	21-04-22	NO	20-04-27	21-04-22	NO	20-04-27	21-04-22	NO	20-04-27	21-04-22	NO	20-04-27	21-04-22	NO	20-04-27				
5	Amplus AGES	220 KV Bikaner-2 GSS	100		8/2/2024								NO	31-12-2029		NO	31-12-2029		NO	31-12-2029		NO	31-12-2029		NO	31-12-2029				
6	GRIAN	220 KV Bikaner-2 GSS	100		6/2/2024								NO	31-12-2029		NO	31-12-2029		NO	31-12-2029		NO	31-12-2029		NO	31-12-2029				
7	Onevolt	220 KV Bikaner-2 GSS	100		2/2/2024								NO	31-12-2029		NO	31-12-2029		NO	31-12-2029		NO	31-12-2029		NO	31-12-2029				
8	Avaada Sunce Energy Pvt. Ltd.	PGCIL Bikaner 1	350 MW	Solar	8-Apr-22	Avaada Energy Private Limited	Power	MCR / PPC	Sineng Electric	EP-3125-HA-UD	Adaptive Engineering Pvt. Ltd.		22-Aug	No	1/18/2027	22-Aug	No	1/18/2027	22-Aug	No	1/18/2027	22-Aug	No	1/18/2027	22-Aug	No	1/18/2027			
9	Avaada Sustainable RI Project Pvt. Ltd.	PGCIL Bikaner 1	300 MW	Solar	11-May-22	Avaada Energy Private Limited	Power	MCR / PPC	Sineng Electric	EP-3125-HA-UD	Adaptive Engineering Pvt. Ltd.		22-Aug	No	1/18/2027	22-Aug	No	1/18/2027	22-Aug	No	1/18/2027	22-Aug	No	1/18/2027	22-Aug	No	1/18/2027			
10	Avaada RHNN Pvt. Ltd.	PGCIL Bikaner 1	240 MW	Solar	11-May-22	Avaada Energy Private Limited	Power	MCR / PPC	Sineng Electric	EP-3125-HA-UD: 137.5 MW SP-250K-INH 102.5 MW	Adaptive Engineering Pvt. Ltd.		22-Aug	No	1/18/2027	22-Aug	No	1/18/2027	22-Aug	No	1/18/2027	22-Aug	No	1/18/2027	22-Aug	No	1/18/2027			
11	Avaada Sunrays Energy Private Limited	Bhadla-II (PG)	320 MW	Solar	10-Dec-22	Avaada Energy Private Limited	Power	MCR / PPC	Sineng Electric	SP-250K-INH	Armax Automation		23-May	No	1/17/2028	23-May	No	1/17/2028	23-May	No	1/17/2028	23-May	No	1/17/2028	23-May	No	1/17/2028			
12	Singrauli Solar		15	Solar		NTPC Limited	Central	NRLDC							12/22/2028															
13	Linchar Solar		10	Solar		NTPC Limited	Central	NRLDC							12/23/2028															
14	Dadri Solar		5	Solar		NTPC Limited	Central	NRLDC							12/24/2028															
15	Auraiya Solar		20	Solar		NTPC Limited	Central	NRLDC							12/25/2028															
16	Auraiya Floating Solar		20	Solar		NTPC Limited	Central	NRLDC							12/26/2028															
17	Fardabad Solar		5	Solar		NTPC Limited	Central	NRLDC							12/27/2028															
18	Anta Solar		90	Solar		NTPC Limited	Central	NRLDC							12/28/2028															
19	Nokh Solar-1		167	Solar		NTPC Limited	Central	NRLDC							12/29/2028															
20	Nokh Solar-2		245	Solar		NTPC Limited	Central	NRLDC							12/30/2028															
21	Nokh Solar-3		245	Solar		NTPC Limited	Central	NRLDC							12/31/2028															

Revised Simulation Models
Whether Revised Models Submitted ?
Remarks

List of generators who have not furnished the testing schedule for FY 2024-25 and FY 2025-26

RE STATIONS

RE Station Name	Installed Capacity	Tests for which schedule is to be furnished
ABC RENEWABLE ENERGY	300	No schedule given
ACME DEOGARH	300	No schedule given
ACME PHALODI	300	No schedule given
ACME RAISAR	300	No schedule given
ACME CSEPL	250	No schedule given
ACME DHAULPUR	500	No schedule given
ADEPT RENEWABLE	110	No schedule given
AEG4P	130.77	No schedule given
AMP Energy Green Fiv	100	No schedule given
AMP Energy Green Six	100	No schedule given
ADANI GREEN ENERGY 25	512	No schedule given
ADANI GREEN ENERGY 25 INF	95	No schedule given
Adani Green Energy 19 Limited	50	No schedule given
Adani Green Energy 24	500	No schedule given
Adani Green Energy 24_infirm	238	No schedule given
ADANI HYBRID	390	No schedule given
ADANI HYBRID TWO	301.4	No schedule given
ADANI HYBRID THREE	300.54	No schedule given
ADANI HYBRID FOUR	700	No schedule given
ACME Heergarh	300	No schedule given
ADANI HYBRID SOLAR	80	No schedule given
AZURE POWER MAPLE	300	No schedule given
Adani RERJL	200	No schedule given
AYANA RENEWABLE ONE	300	No schedule given
AYANA RENEWABLE 3 IN	194.32	No schedule given
AYANA RENEWABLE 3	388.64	No schedule given
Adani SE Jaisalmer 1	450	No schedule given
Adani SE Jodhpur 2	50	No schedule given
ASERJ2PL_Phalodi	150	No schedule given
ASERJ2PL_infrm	120.05	No schedule given
ASERJ2PL	180	No schedule given
ACME SIKAR SOLAR Infirm	165	No schedule given
ACME SIKAR SOLAR	300	No schedule given
ALTRA XERGI	380	No schedule given
AZURE THIRTY FOUR	130	No schedule given
AZURE FORTY ONE	300	No schedule given
AZURE FORTY THREE	600	No schedule given
AZURE SOLAR	200	No schedule given
DEVIKOT SOLAR	240	No schedule given
EDEN RENEWABLE	300	No schedule given
EESPL QCA BHADLA-1	3280	No schedule given
EESPL QCA BIKANER-2	1094	No schedule given
EESPL QCA BIKANER-1	3475	No schedule given
ENRICO RE	10.6	No schedule given
EDEN RENEWABLE INFIRM	100	No schedule given
EDEN RENEWABLE ALMA	100	No schedule given
GORBEA SOLAR	300	No schedule given
GORBEA INFIRM 2	100	No schedule given
GORBEA INFIRM 1	100	No schedule given
JUNIPER GREEN COSMIC	100	No schedule given
JUNIPER NIRJARA	50	No schedule given
Juniper Nirjara Energy Pvt Ltd	50	No schedule given
JUNA RENEWABLE	335.25	No schedule given
NHPC KARNISAR SOLAR INF	53.57	No schedule given
NHPC KARNISAR SOLAR	214.28	No schedule given

KHIDRAT RENEWABLE INFIRM	0	No schedule given
KHIDRAT RENEWABLE	300	No schedule given
KHIDRT SCH INFIRM	250	No schedule given
Adani SE4L	50	No schedule given
KOLYAT SOLAR BIKANER	550	No schedule given
MAHOBA SOLAR	200	No schedule given
MAL_QCA_Fatehgarh3	1390	No schedule given
MAL_QCA_Fatehgarh1	1900	No schedule given
MAL_QCA_Fatehgarh2	1500	No schedule given
Mega Solis Renewables	250	No schedule given
Mega Suryaurja	250	No schedule given
NOKHRA SOLAR	300	No schedule given
NIDAN SOLAR FATEHGAR	296	No schedule given
RENEW Solar	50	No schedule given
RENEW SURYA AYAAN	300	No schedule given
Renew Surya Roshini_infirm	95	No schedule given
RENEW SURYA ROSHNI	400	No schedule given
RENEW SUN BRIGHT	300	No schedule given
RENEW JHARKHAND	300	No schedule given
Rising Sun Energy	190	No schedule given
Renew Surya Jyoti	210	No schedule given
RENEW SURYA NEEMBA	200	No schedule given
RENEW SURYA PRATAP	200	No schedule given
Renew Surya Pratap Infirm	22	No schedule given
RENEW POWER	250	No schedule given
RENEW SURYA RAVI	300	No schedule given
RENEW SOLAR URJA	300	No schedule given
RENEW SURYA VIHAAN	141.7	No schedule given
RENEW SUN WAVES	300	No schedule given
Adani SERJ1PL	300	No schedule given
Adani SEJ5PL	200	No schedule given
Adani SEJ6L	50	No schedule given
Adani SEJ2PL P	150	No schedule given
Adani SEJ2PL M	150	No schedule given
Adani SEJ2PL	300	No schedule given
SJVN GREEN ENERGY	501.25	No schedule given
SERENTICA RENEWABLE 5 INF	55	No schedule given
SERENTICA RENEWABLE 5	220	No schedule given
SERENTICA RENEWABLE 4 Inf	40	No schedule given
SERENTICA RENEWABLE 4	168	No schedule given
TCTE	84.4	No schedule given
Transition Sustainable	84.4	No schedule given
Transition Green Energy	100	No schedule given
TATA POWER GREEN ENERGY	225	No schedule given
TPREL (Chhayan)	300	No schedule given
TP SAURYA	110	No schedule given
TPSL_BKN2	200	No schedule given
TPSL Banderwala Infirm	100	No schedule given
THAR SURYA 1	300	No schedule given
TRANSITION ONE INFIRM	55.6	No schedule given
XL XERG	400	No schedule given

Status of performance indices reporting of November 2025 (Last date of submission 07.12.2025)							
S. No.	Utility		Received Status (Yes/No)	Vide mail dated	Remarks	Indices less than 1 (Yes/No)	Reason submitted and corrective action taken
1	ABC Renewable Pvt. Ltd		Y	02.12.2025		No	NA
2	ACME Heeragarh powertech Pvt. Ltd	ACME	Y	05.12.2025		No	NA
3	ACME Phalodi	ACME	Y	08.12.2025		No	NA
4	ACME Deogarh	ACME					
5	ACME Raisar	ACME					
6	ACME Dhaulpur	ACME					
7	ACME Sikar	ACME	Y	08.12.2025		No	NA
8	ACME Chittorgarh Solar Energy Pvt Ltd (Ayana)	AYANA					
9	AHEJOL-Hybrid-1 Madhopura	ADANI GREEN	Y	03.12.2025		No	NA
10	AHEJ3L - Hybrid-2B 300MW	ADANI GREEN	Y	03.12.2025		No	NA
11	AHEJFL(AEML_250)	ADANI GREEN	Y	03.12.2025		No	NA
12	AHEJ4L(AEML-350)	ADANI GREEN	Y	03.12.2025		No	NA
13	ASEJ2PL(Hapasar 300MW) SPC11PL	ADANI GREEN	Y	03.12.2025		No	NA
14	Adani Renewable Energy (RJ) Limited Rawra 200	ADANI GREEN	Y	03.12.2025		No	NA
15	Adani Solar Energy Four Limited SECI 50	ADANI GREEN	Y	03.12.2025		No	NA
16	Adani Solar Energy Jodhpur Two Limited Merchant 50	ADANI GREEN	Y	03.12.2025		No	NA
17	ASEJ05PL (RJ200)	ADANI GREEN	Y	03.12.2025		No	NA
18	ASERJ2PL - Phalodi 150 MW	ADANI GREEN	Y	03.12.2025		No	NA
19	ASERJ01PL-Pokhran 300 MW (SB energy six)	ADANI GREEN	Y	03.12.2025		No	NA
20	AGE25L(Badi Sid)	ADANI GREEN	Y	03.12.2025		No	NA
21	Bhadla park - South block	ADANI GREEN	Y	03.12.2025		No	NA
22	AGE24L (Bhimisar)	ADANI GREEN	Y	03.12.2025		No	NA
23	AHEJ2L - Hybrid-2A 300MW	ADANI GREEN	Y	03.12.2025		No	NA
24	ASERJ2PL - Devikot 180 MW	ADANI GREEN	Y	03.12.2025		No	NA
25	ASEJOPL-Hybrid 450 MW	ADANI GREEN	Y	03.12.2025		No	NA
26	Altra Xergi Pvt. Ltd.		Y	02.12.2025		No	NA
27	AMP Energy Green Four Pvt. Ltd.	AMPIN ENERGY					
28	AMP Energy Green Five Pvt. Ltd.	AMPIN ENERGY					
29	AMP Energy Green Six Pvt. Ltd.	AMPIN ENERGY					
30	Amplus Ages Private Limited	GENTARI	Y	04.12.2025		No	NA
31	Avaada RJHN_240MW	AVAADA	Y	05.12.2025		No	NA
32	Avaada sunce energy Pvt limited		Y	05.12.2025		No	NA
33	Avaada Sunrays Pvt. Ltd.		Y	05.12.2025		No	NA
34	Avaada Sustainable RJ Pvt. Ltd.		Y	05.12.2025		No	NA
35	Ayana Renewable Power Three Private Limited						
36	Ayaana Renewable Power One Pvt. Ltd.						
37	Azure Power Forty One Pvt limited						
38	Azure Power Forty Three Pvt. Ltd._RSS						
39	Azure Maple Pvt. Ltd.						
40	AZURE POWER INDIA Pvt. Ltd., Bhadla						

41	Azure Power Thirty Four Pvt. Ltd.						
42	Clean Solar Power (Jodhpur) Pvt. Ltd.	Hero Future Energies	Y	01.12.2025		No	NA
43	Eden Renewable Cite Private Limited						
44	Grian Energy private limited	GENTARI	Y	04.12.2025		No	NA
45	Mahindra Renewable Private Limited						
46	Mega Surya Urja Pvt. Ltd. (MSUPL)						
47	AURAIYA Solar						
48	DADRI SOLAR						
49	SINGRAULI SOLAR						
50	Anta Solar						
51	Unchahar Solar						
52	NTPC Devikot Solar plant-1	NGEL	Y	09.12.2025		No	NA
53	NTPC Devikot Solar plant-2		Y	09.12.2025		No	NA
54	SKB NTPC -1 (250MW)	NGEL	Y	09.12.2025		No	NA
55	SKB NTPC-2 (300MW)		Y	09.12.2025		No	NA
56	NTPC Nokhra_300MW		Y	09.12.2025		No	NA
57	NTPC Fatehgarh 296MW		Y	09.12.2025		No	NA
58	One Volt energy Pvt. Ltd.	GENTARI	Y	04.12.2025		No	NA
59	ReNew Solar Urja Private Limited	IndiGrid	Y	09.12.2025		No	NA
60	ReNew Solar Energy (Jharkhand Three) Private Limited		Y	07.12.2025		No	NA
61	Neemba Renew Surya Vihan Pvt. Ltd.		Y	07.12.2025		No	NA
62	Renew Sun Bright Pvt. Ltd. (RSBPL)		Y	07.12.2025		No	NA
63	Renew Surya Partap Pvt. Ltd.		Y	07.12.2025		No	NA
64	Renew Surya jyoti Pvt. Ltd.	ReNew	Y	07.12.2025		No	NA
65	Renew Surya Ravi Pvt. Ltd.		Y	07.12.2025		No	NA
66	Renew Surya Roshni Pvt. Ltd.		Y	07.12.2025		No	NA
67	Renew Surya Vihan Pvt. Ltd.		Y	07.12.2025		No	NA
68	Renew Solar Photovoltaic Pvt Ltd		Y	07.12.2025		No	NA
69	Renew Hans Urja Pvt Ltd.		Y	07.12.2025		No	NA
70	RENEW SOLAR POWER Pvt. Ltd. Bikaner		Y	07.12.2025		No	NA
71	Renew Surya Ayaan Pvt. Ltd.	IndiGrid	Y	09.12.2025		No	NA
72	Rising Sun Energy-K Pvt. Ltd.						
73	Serentica Renewables India 4 & 5 Private Limited		Y	16.12.2025		No	NA
74	Solzen Urja Private Limited	Sekura	Y	08.12.2025		No	NA
75	Tata Power Green Energy Ltd. (TPGEL)	TATA POWER	Y	06.12.2025		No	NA
76	Tata Power Renewable Energy Ltd. (TPREL)		Y	06.12.2025		No	NA
77	Banderwala Solar Plant TP Surya Ltd.		Y	06.12.2025		Yes	No
78	Thar Surya Pvt. Ltd.						
79	TRANSITION ENERGY SERVICES PRIVATE LIMITED						
80	Transition Green Energy Private Limited						
81	Transition Sustainable Energy Services Private Limited						

82	GSPL_BHDL2 (Gorbea Solar Pvt Ltd)	Zelestra	Y	05.12.2025		No	NA
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Status of performance indices reporting of December 2025 (Last date of submission 07.01.2026)							
S. No.	Utility		Received Status (Yes/No)	Vide mail dated	Remarks	Indices less than 1 (Yes/No)	Reason submitted and corrective action taken
1	ABC Renewable Pvt. Ltd		Y	03.01.2026		No	NA
2	ACME Heeragarh powertech Pvt. Ltd	ACME	Y	02.01.2026		No	NA
3	ACME Phalodi	ACME	Y	02.01.2026		No	NA
4	ACME Deogarh	ACME					
5	ACME Raisar	ACME					
6	ACME Dhaulpur	ACME					
7	ACME Sikar	ACME	Y	02.01.2026		No	NA
8	ACME Chittorgarh Solar Energy Pvt Ltd (Ayana)	AYANA					
9	AHEJOL-Hybrid-1 Madhopura	ADANI GREEN	Y	08.01.2026		No	NA
10	AHEJ3L - Hybrid-2B 300MW	ADANI GREEN	Y	08.01.2026		No	NA
11	AHEJFL(AEML_250)	ADANI GREEN	Y	08.01.2026		No	NA
12	AHEJ4L(AEML-350)	ADANI GREEN	Y	08.01.2026		No	NA
13	ASEJ2PL(Hapasar 300MW) SPC11PL	ADANI GREEN	Y	08.01.2026		No	NA
14	Adani Renewable Energy (RJ) Limited Rawra 200	ADANI GREEN	Y	08.01.2026		No	NA
15	Adani Solar Energy Four Limited SECI 50	ADANI GREEN	Y	08.01.2026		No	NA
16	Adani Solar Energy Jodhpur Two Limited Merchant 50	ADANI GREEN	Y	08.01.2026		No	NA
17	ASEJ05PL (RJ200)	ADANI GREEN	Y	08.01.2026		No	NA
18	ASERJ2PL - Phalodi 150 MW	ADANI GREEN	Y	08.01.2026		No	NA
19	ASERJ01PL-Pokhran 300 MW (SB energy six)	ADANI GREEN	Y	08.01.2026		No	NA
20	AGE25L(Badi Sid)	ADANI GREEN	Y	08.01.2026		No	NA
21	Bhadla park - South block	ADANI GREEN	Y	08.01.2026		No	NA
22	AGE24L (Bhimsar)	ADANI GREEN	Y	08.01.2026		No	NA
23	AHEJ2L - Hybrid-2A 300MW	ADANI GREEN	Y	08.01.2026		No	NA
24	ASERJ2PL - Devikot 180 MW	ADANI GREEN	Y	08.01.2026		No	NA
25	ASEJOPL-Hybrid 450 MW	ADANI GREEN	Y	08.01.2026		Yes	Yes
26	Altra Xergi Pvt. Ltd.		Y	01.01.2026		No	NA
27	AMP Energy Green Four Pvt. Ltd.	AMPIN ENERGY					
28	AMP Energy Green Five Pvt. Ltd.	AMPIN ENERGY					
29	AMP Energy Green Six Pvt. Ltd.	AMPIN ENERGY					
30	Amplus Ages Private Limited	GENTARI	Y	02.01.2026		No	NA
31	Avaada RJHN_240MW	AVAADA	Y	05.01.2026		No	NA

32	Avaada sunce energy Pvt limited		Y	05.01.2026		No	NA
33	Avaada Sunrays Pvt. Ltd.		Y	05.01.2026		No	NA
34	Avaada Sustainable RJ Pvt. Ltd.		Y	05.01.2026		No	NA
35	Ayana Renewable Power Three Private Limited						
36	Ayaana Renewable Power One Pvt. Ltd.						
37	Azure Power Forty One Pvt limited						
38	Azure Power Forty Three Pvt. Ltd._RSS						
39	Azure Maple Pvt. Ltd.						
40	AZURE POWER INDIA Pvt. Ltd., Bhadla						
41	Azure Power Thirty Four Pvt. Ltd.						
42	Clean Solar Power (Jodhpur) Pvt. Ltd.	Hero Future Energies	Y	01.01.2026		No	NA
43	Eden Renewable Cite Private Limited						
44	Grian Energy private limited	GENTARI	Y	02.01.2026		No	NA
45	Mahindra Renewable Private Limited						
46	Mega Surya Urja Pvt. Ltd. (MSUPL)						
47	AURAIYA Solar						
48	DADRI SOLAR						
49	SINGRAULI SOLAR						
50	Anta Solar						
51	Unchahar Solar						
52	NTPC Devikot Solar plant-1	NGEL					
53	NTPC Devikot Solar plant-2						
54	SKB NTPC -1 (250MW)	NGEL					
55	SKB NTPC-2 (300MW)						
56	NTPC Nokhra_300MW						
57	NTPC Fatehgarh 296MW						
58	One Volt energy Pvt. Ltd.	GENTARI	Y	02.01.2026		No	NA
59	ReNew Solar Urja Private Limited	IndiGrid					
60	ReNew Solar Energy (Jharkhand Three) Private Limited		Y	06.01.2026		No	NA
61	Neemba Renew Surya Vihan Pvt. Ltd.		Y	06.01.2026		No	NA
62	Renew Sun Bright Pvt. Ltd. (RSBPL)		Y	06.01.2026		No	NA
63	Renew Surya Partap Pvt. Ltd.		Y	06.01.2026		No	NA
64	Renew Surya jyoti Pvt. Ltd.	ReNew	Y	06.01.2026		No	NA
65	Renew Surya Ravi Pvt. Ltd.		Y	06.01.2026		No	NA
66	Renew Surya Roshni Pvt. Ltd.		Y	06.01.2026		No	NA
67	Renew Surya Vihan Pvt. Ltd.		Y	06.01.2026		No	NA

68	Renew Solar Photovoltaic Pvt Ltd		Y	06.01.2026		No	NA
69	Renew Hans Urja Pvt Ltd.		Y	06.01.2026		No	NA
70	RENEW SOLAR POWER Pvt. Ltd. Bikaner		Y	06.01.2026		No	NA
71	Renew Surya Ayaan Pvt. Ltd.	IndiGrid					
72	Rising Sun Energy-K Pvt. Ltd.						
73	Serentica Renewables India 4 & 5 Private Limited	Serentica	Y	04.01.2026		No	NA
74	Khidrat Renewable energy Pvt ltd.		Y	07.01.2026		No	NA
75	Solzen Urja Private Limited	Sekura	Y	09.01.2026		No	NA
76	Tata Power Green Energy Ltd. (TPGEL)	TATA POWER	Y	02.01.2026		No	NA
77	Tata Power Renewable Energy Ltd. (TPREL)		Y	02.01.2026		No	NA
78	Banderwala Solar Plant TP Surya Ltd.		Y	02.01.2026		No	NA
79	Thar Surya Pvt. Ltd.						
80	TRANSITION ENERGY SERVICES PRIVATE LIMITED						
81	Transition Green Energy Private Limited						
82	Transition Sustainable Energy Services Private Limited						
83	GSPL_BHDL2 (Gorbea Solar Pvt Ltd)	Zelestria	Y	09.01.2026		No	NA

Status of Internal Protection Audit Plan for FY 2026 -27				
S. No.	Organization/Plant	Category	Status	Schedule submitted as per utility
1	ABC Renewable Pvt. Ltd			
2	ACME Heeragarh powertech Pvt. Ltd			
3	ACME Pholodi			
4	ACME Deagarh			
5	ACME Raisar			
6	ACME Dhoulpar			
7	ACME Chittorgarh Solar Energy Pvt Ltd			
8	Adani Hybrid Energy Jaisalmer One Ltd.	AGEL	Received	7/16/2026
9	Adani Hybrid Energy Jaisalmer Two Ltd.	AGEL	Received	7/25/2026
10	Adani Hybrid Energy Jaisalmer Three Ltd.	AGEL	Received	8/8/2026
11	Adani Hybrid Energy Jaisalmer Four Ltd. (AEML 1 -350)	AGEL	Received	8/15/2026
12	Adani Hybrid Energy Jaisalmer Four Ltd. (AEML 2 -250)	AGEL	Received	9/11/2026
13	Adani Renewable Energy (RJ) limited Rawara	AGEL	Received	9/26/2026
14	Adani Solar Energy Four Private Limited	AGEL	Received	9/26/2026
15	Adani Solar Energy Jaisalmer Two Private Limited Project Two	AGEL	Received	10/17/2026
16	SB Energy Six Private Limited, Bhadla	AGEL	Received	10/28/2026
17	Adani Solar Energy Jodhpur Two Limited, Rawara	AGEL	Received	9/26/2026
18	Adani Solar Energy Jaisalmer One Ltd. (Hybrid450)	AGEL	Received	10/3/2026
19	Adani Solar Energy RJ Two Pvt. Ltd. (Devikot)	AGEL	Received	11/7/2026
20	Adani Solar Energy RJ Two Pvt. Ltd. (Phalodi)	AGEL	Received	11/14/2026
21	Adani Green Energy 24 Limited (Bhimisar)	AGEL	Received	11/26/2026
22	Adani Green Twenty-Five Limited (Badisid)	AGEL	Received	12/4/2026
23	Bhadla park - South block	AGEL	Received	12/16/2026
24	AEML-250 WIND (Hybrid-2A)	AGEL	Received	9/16/2026
25	AEML-260 WIND (Hybrid-2B)	AGEL	Received	9/20/2026
26	Hybrid450-WIND (SBE Hybrid 450)	AGEL	Received	10/7/2026
27	Altra Xergi Pvt. Ltd.			
28	AMP Energy Green Four Pvt. Ltd.			
29	AMP Energy Green Five Pvt. Ltd.			
30	AMP Energy Green Six Pvt. Ltd.			
31	Amplus Ages Private Limited		Received	31-12-2026
32	Avaada RJHN 240MW		Received	Aug-26
33	Avaada sunce energy Pvt limited		Received	Aug-26
34	Avaada Sunrays Pvt. Ltd.		Received	Aug-26
35	Avaada Sustainable RJ Pvt. Ltd.		Received	Aug-26
36	Ayana Renewable Power Three Private Limited			
37	Ayaana Renewable Power One Pvt. Ltd.			
38	Azure Power Forty One Pvt limited			
39	Azure Power Forty Three Pvt. Ltd. RSS			
40	Azure Maple Pvt. Ltd.			
41	AZURE POWER INDIA Pvt. Ltd., Bhadla			
42	Azure Power Thirty Four Pvt. Ltd.			
43	Clean Solar Power (Jodhpur) Pvt. Ltd.	Hero Future Energies	Received	May, 2026
44	Eden Renewable Cite Private Limited			
45	Grian Energy private limited		Received	31-12-2026
46	Mahindra Renewable Private Limited			
47	Mega Surya Urja Pvt. Ltd. (MSUPL)			
48	AURAIYA Solar			
49	DADRI SOLAR			
50	SINGRAULI SOLAR			
51	Anta Solar			
52	Unchahar Solar			
53	NTPC Devikot Solar plant 240MW			
54	NTPC Kolayat 400kV			
55	Nedan Solar NTPC			
56	NTPC Nokhra 300MW			
57	One Volt energy Pvt. Ltd.		Received	31-12-2026
58	ReNew Solar Urja Private Limited (IndiGrid)	IndiGrid		
59	Renew Surya Ayaan Pvt. Ltd. (IndiGrid)	IndiGrid		
60	ReNew Solar Energy (Jharkhand Three) Private Limited	ReNew	Received	24/11/2026
61	RENEW SOLAR POWER Pvt. Ltd. Bikaner	ReNew	Received	17/11/2026
62	Renew Sun Bright Pvt. Ltd. (RSBPL)	ReNew	Received	19/11/2026
63	Renew Surya Partap Pvt. Ltd.	ReNew	Received	21/11/2026
64	Renew Surya Ravi Pvt. Ltd.	ReNew	Received	18/11/2026
65	Renew Surya Roshni Pvt. Ltd.	ReNew	Received	24/11/2026
66	Renew Surya Vihan Pvt. Ltd.	ReNew		
67	Renew Solar Photovoltaic Pvt Ltd	ReNew		
68	Renew Hans Urja Pvt Ltd	ReNew		
69	Renew Surya Jyoti Pvt Ltd	ReNew	Received	15/10/2026
70	Neemba Renew Surya Vihan Pvt Ltd	ReNew	Received	15/10/2026
71	Rising Sun Energy-K Pvt. Ltd.			
72	Serentica Renewables India 4 Private Limited		Received	Sep-26
73	Serentica Renewables India 5 Private Limited		Received	Sep-26
74	Khidrat Renewable energy Pvt Ltd.			
75	Solzen Urja Private Limited	Sekura	Received	November, 2026
76	Tata Power Green Energy Ltd. (TPGEL) (225MW)			
77	Tata Power Renewable Energy Ltd. (TPREL) (300MW)			

78	Thar Surya Pvt. Ltd.			
79	TP Surya Ltd., Noorsar (110MW)			
80	Banderwala Solar Plant TP Surya Ltd. (300MW)			
81	TRANSITION ENERGY SERVICES PRIVATE LIMITED			
82	Transition Green Energy Private Limited			
83	Transition Sustainable Energy Services Private Limited			
84	Gorbea Solar Pvt Ltd (GSPL)			

Status of 3rd Party Protection Audit Plan								
S. No.	Organization/Plant	Category	Status	Schedule submitted as per utility	Present Status Completed (yes/no)	Report Submission Date by audit party	Discussion held in PSC meeting number	Compliance status
1	ABC Renewable Pvt. Ltd							
2	ACME Heeraqarh powertech Pvt. Ltd							
3	ACME Pholodi							
4	ACME Desaigarh							
5	ACME Raisar							
6	ACME Dhoulpar							
7	ACME Chittoorah Solar Energy Pvt Ltd							
8	Adani Hybrid Energy Jaisalmer One Ltd.		5 years have not completed since commissioning					
9	Adani Hybrid Energy Jaisalmer Two Ltd.		5 years have not completed since commissioning					
10	Adani Hybrid Energy Jaisalmer Three Ltd.		5 years have not completed since commissioning					
11	Adani Hybrid Energy Jaisalmer Four Ltd. (AEMIL 1 - 350)		5 years have not completed since commissioning					
12	Adani Hybrid Energy Jaisalmer Four Ltd. (AEMIL 2 - 250)		5 years have not completed since commissioning					
13	Adani Renewable Energy (RJ) limited Rawara		Received	1/15/2026				
14	Adani Solar Energy Four Private Limited		5 years have not completed since commissioning					
15	Adani Solar Energy Jaisalmer Two Private Limited Protect Two		5 years have not completed since commissioning					
16	SB Energy Six Private Limited, Bhadla		5 years have not completed since commissioning					
17	Adani Solar Energy Jodhpur Two Limited, Rawara		5 years have not completed since commissioning					
18	Adani Solar Energy Jaisalmer One Ltd. (Hybrid450)		5 years have not completed since commissioning					
19	Adani Solar Energy RJ Two Pvt. Ltd. (Devkot)		5 years have not completed since commissioning					
20	Adani Solar Energy RJ Two Pvt. Ltd. (Phalodi)		5 years have not completed since commissioning					
21	Adani Green Energy 24 Limited (Bhimisar)		5 years have not completed since commissioning					
22	Adani Green Twenty-Five Limited (Badsid)		5 years have not completed since commissioning					
23	Bhadla park - South block		Received	1/28/2026				
24	AEMIL-250 WIND (Hybrid-2A)		5 years have not completed since commissioning					
25	AEMIL-260 WIND (Hybrid-2B)		5 years have not completed since commissioning					
26	Hybrid450-WIND (SBE Hybrid 450)		5 years have not completed since commissioning					
27	Altra Xerg Pvt. Ltd.		Conducted		Completed	04.02.2025	60	
28	AMP Energy Green Four Pvt. Ltd.		Received	Nov-27	Completed for common substation			
29	AMP Energy Green Five Pvt. Ltd.		Received	Nov-27		02.09.2025	63	
30	AMP Energy Green Six Pvt. Ltd.		Received	Nov-27				
31	Amplus Apes Private Limited		Received	31-12-2028				
32	Avaada RJHN 240MW		Received	Aug-26				
33	Avaada sunice energy Pvt limited		Received	Aug-26				
34	Avaada Sunrays Pvt. Ltd.		Received	Aug-27				
35	Avaada Sustainable RJ Pvt. Ltd.		Received	Aug-26				
36								
37	Avana Renewable Power Three Private Limited		Conducted		24.05.2025		61	
38	Ayaana Renewable Power One Pvt. Ltd.		Conducted				59	
39	Azure Power Forty One Pvt limited							
40	Azure Power Forty Three Pvt. Ltd. RSS							
41	Azure Power Maple Pvt. Ltd.							
42	AZURE POWER INDIA Pvt. Ltd., Bhadla							
43	Azure Power Thirty Four Pvt. Ltd.							
44	Clean Solar Power (Jodhpur) Pvt. Ltd.	Hero Future Energies	Received	Dec-26				
45	Eden Renewable Cite Private Limited		Received	31-12-2028				
46	Oran Energy private limited							
47	Mahindra Renewable Private Limited							
48	Mega Surya Urja Pvt. Ltd. (MSUPL)							
49	AURAIYA Solar							
50	DADRI SOLAR							
51	SINGRAULI SOLAR							
52	Anta Solar							
53	Unchar Solar							
54	NTPC Devkot Solar plant 240MW		Received	Aug-26				
55	NTPC Kolayat 400KV		Received	May-26				
56	Nedan Solar NTPC		Received	Jul-26				
57	NTPC Naktra 300MW		Received	Jun-26				
58	One Volt energy Pvt. Ltd.		Received	31-12-2028				
59	ReNew Solar Urja Private Limited	IndiGrid						
60	ReNew Solar Energy (Jharkhand Three) Private Limited	IndiGrid	Received	29-01-2027				
61	RENEW SOLAR POWER Pvt. Ltd. Bhadla		Not Applicable as Plant running on 33KV					
62	Renew Sun Bright Pvt. Ltd. (RSBPL)		Received	16-04-2027				
63	Renew Surya Parag Pvt. Ltd.		Received	22-07-2029				
64	Renew Surya Ravi Pvt. Ltd.		Received	24-07-2027				
65	Renew Surya Roshni Pvt. Ltd.		Received	4/9/2029				
66	Renew Surya Vihan Pvt. Ltd.		Received	27-08-2029				
67	Neemba Renew Surya Vihan Pvt Ltd		Received	30-09-2030				
68	ReNew Surya Jyoti Pvt. Ltd.		Received	11/10/2030				
69	Renew Solar Photovoltaic Pvt Ltd		30-completed projects					
70	ReNew Hans Urja Pvt Ltd.		30-completed projects					
71	RENEW SOLAR POWER Pvt. Ltd. Bikaner		awarded the PO					
72	Rising Sun Energy-K Pvt. Ltd.							
73	Serentica Renewables India 4 Private Limited		Received	Mar-29				
74	Serentica Renewables India 5 Private Limited		Received	Mar-29				
75	Khudrat Renewable energy Pvt Ltd							
76	Solzen Urja Private Limited		Received	Oct-26				
77								
78	Tata Power Green Energy Ltd. (TPGEL) (225MW)		Received	31-03-2027				
79	Tata Power Renewable Energy Ltd. (TPREL) (300MW)		Received	31-03-2027				
80	The Surya Pvt. Ltd.							
81	TP Surya Ltd., Noorsar (110MW)		Received	31-03-2027				
82	Banderwala Solar Plant TP Surya Ltd. (300MW)		Received	31-03-2027				
83	TRANSITION ENERGY SERVICES PRIVATE LIMITED							
84	Transition Green Energy Private Limited							
85	Transition Sustainable Energy Services Private Limited							
86	Gorbea Solar Pvt Ltd (GSPL)							

Sl No.	RE Plant Name	Pooling Station	Plant Capacity (MW)	Voltage Oscillation Instances and RE plants MVAr fluctuations > 30 MVAr														Total Nos. of Voltage oscillation instances considered	Number of time RE plant was found giving Oscillatory MVAr (>30 MVAr) out of total instances considered	% of time RE plant was found giving Oscillatory MVAr (>30 MVAr) out of total instances considered	Owner Name
				05.08.2025	26.09.2025	24.10.2025	18.11.2025	21.11.2025	09.12.2025	15.12.2025	17.12.2025	21.12.2025	26.12.2025	28.12.2025	03.01.2026	04.01.2026	07.01.2026				
				14:47-14:55	10:05-10:11	11:44-11:48	10:52-10:59	11:12-11:18	11:17-11:22	11:23-11:30	10:51-11:02	11:35-11:42	11:18-11:25	10:36-10:51	13:20-13:39	11:11-11:18	14:16-14:21				
1	ACME Solar Holding Pvt. Ltd. (ASHPL_300-4)	Fatehgarh-I(Adani Pooling)	1200	106	164	230	216	106	177	176	242	205	194	195	130	180	120	14	14	100%	ACME
2	Avaada Bikaner (Avaada Sunce_350+Avaada Sustainable_300+Avaada RHN_240)	Bikaner(PG)	890	69	83	92	82	45	88	111	123	107	75	89	50	76	50	14	14	100%	Avaada
3	Ayaana Renewable Bikaner (ARPIPL + ARP3PL)	Bikaner(PG)	600	41	34	44	30	17	42	83	58	68	37	54	31	46	24	14	12	86%	Ayaana
4	Adani Solar Energy Jaisalmer Two Private Limited (P1+P2)	Bikaner(PG)	300	34	-	68	78	99	47	298	231	67	53	90	31	148	-	14	12	86%	Adani
5	SB Energy Six Private Limited, Bhadla, ESSEL park	Bhadla(PG)	300	-	38	40	41	-	45	51	49	48	46	43	47	56	41	14	12	86%	Adani
6	Mahoba Solar	Bhadla(PG)	300	32	39	53	49	-	53	64	63	59	57	36	37	34	-	14	12	86%	Adani
7	Mega Surya Urja Pvt. Ltd. (MSUPL)	Bhadla-II(PG)	250	33	31	38	47	-	40	42	74	45	40	54	33	37	-	14	12	86%	Mahindra
8	NTPC Nokh Solar	Bhadla-II(PG)	735	-	39	35	87	-	84	40	64	39	68	45	55	62	70	14	12	86%	NTPC
9	Altra Xergi Pvt. Ltd.	Fatehgarh-III	380	32	42	51	48	-	45	69	51	48	48	51	37	34	-	14	12	86%	O2 Power
10	Adani Hybrid Energy Jaisalmer One Ltd	Fatehgarh-II(PG)	390	39	67	78	50	-	75	54	82	65	60	72	-	68	-	14	11	79%	Adani
11	Adani Hybrid Energy Jaisalmer Four Ltd.	Fatehgarh-I(Adani Pooling)	700	-	34	32	32	-	39	-	35	55	65	45	50	32	38	14	11	79%	Adani
12	SJVNL Solar Project	Bikaner-II (PBTSL)	888	31	-	30	32	-	62	77	81	87	62	71	43	57	-	14	11	79%	SJVNL
13	RENEW SOLAR POWER Pvt. Ltd. Bikaner	Bikaner(PG)	550	34	41	155	31	-	117	183	117	141	-	166	-	45	-	14	10	71%	Renew
14	Adani Hybrid Energy Jaisalmer Two Ltd.	Fatehgarh-II(PG)	300	-	58	57	51	-	45	37	54	42	58	52	-	33	-	14	10	71%	Adani
15	Adani Hybrid Energy Jaisalmer Three Ltd.	Fatehgarh-II(PG)	300	39	54	48	-	-	60	42	51	-	52	72	36	44	-	14	10	71%	Adani
16	ReNew Solar Urja Private Limited	Fatehgarh-II(PG)	300	-	38	41	-	-	42	42	43	43	42	35	39	42	-	14	10	71%	Indi-Grid
17	Eden Renewable Cite Private Limited	Fatehgarh-II(PG)	300	31	34	44	47	-	49	58	60	52	-	39	-	34	-	14	10	71%	Eden
18	Renew Sun Bighli Pvt. Ltd. (RSBPL)	Fatehgarh-II(PG)	300	-	40	81	36	-	108	49	70	94	44	49	-	36	-	14	10	71%	Renew
19	ReNew Solar Energy (Jharkhand Three) Private Limited	Fatehgarh-II(PG)	300	-	41	93	42	-	99	103	127	114	41	55	-	33	-	14	10	71%	Renew
20	Adani Solar Energy RJ Two Pvt. Ltd. (Devikot)	Fatehgarh-II(PG)	180	-	34	77	34	-	40	64	38	51	38	83	-	35	-	14	10	71%	Adani
21	ACME Heeragarh powertech Pvt. Ltd	Bhadla-II(PG)	300	-	36	48	44	-	43	54	63	56	36	45	-	33	-	14	10	71%	ACME
22	Rising Sun Energy-K Pvt. Ltd.	Bhadla-II(PG)	190	-	30	42	39	-	41	42	45	35	39	40	-	34	-	14	10	71%	Rising sun
23	Renew Surya Roshni Pvt. Ltd.	Fatehgarh-III	400	-	-	-	-	-	-	53	53	47	56	43	50	45	36	14	8	57%	Renew
24	Tata Power Renewable Energy Ltd. (TPREL)	Bhadla(PG)	300	-	-	-	37	-	63	42	40	72	44	63	-	-	-	14	7	50%	Tata Power
25	SB ENERGY FOUR PRIVATE LIMITED, Bhadla	Bhadla(PG)	200	-	-	37	-	-	31	39	52	40	-	38	-	-	-	14	6	43%	Adani
26	Azure Maple Pvt. Ltd.	Bhadla(PG)	300	-	34	-	-	-	38	53	52	72	-	50	-	-	-	14	6	43%	Azure
27	Avaada Sunrays Pvt. Ltd.	Bhadla-II(PG)	320	-	-	32	-	-	34	42	47	36	-	33	-	-	-	14	6	43%	Avaada
28	ABC Renewable Pvt. Ltd	Bhadla-II(PG)	300	-	-	-	-	-	-	44	56	34	32	53	-	-	-	14	5	36%	ABC Renewable
29	Renew Surya Ayaan Pvt. Ltd.	Fatehgarh-III	300	-	67	-	-	-	34	66	47	-	44	-	-	-	-	14	5	36%	IndiGrid
30	Azure Power Forty One Pvt limited	Bhadla(PG)	300	-	39	-	-	-	47	87	77	-	-	-	-	-	-	14	4	29%	Azure
31	NTPC Kolayat_400kV	Bhadla-II(PG)	550	34	45	55	47	-	-	-	-	-	-	-	-	-	-	14	4	29%	NTPC
32	One Volt energy Pvt. Ltd. +Amplus ages +Grian	Bikaner-II (PBTSL)	300	37	-	-	-	-	-	41	34	33	-	-	-	-	-	14	4	29%	Onevolt
33	Clean Solar Power (Jodhpur) Pvt. Ltd.	Bhadla(PG)	250	-	-	-	-	-	-	40	44	-	-	70	-	-	-	14	3	21%	Hero future
34	Renew Sun Waves Private Limited (RSE4L)	Fatehgarh-II(PG)	300	-	-	30	-	-	-	-	33	-	45	-	-	-	-	14	3	21%	Sulzon
35	Adani Solar Energy Jaisalmer One Pvt. Ltd.	Fatehgarh-II(PG)	450	-	-	-	-	-	-	46	32	-	-	-	-	-	-	14	2	14%	Adani
36	AMP Energy Green Six Pvt Ltd. +AEGSPL+AEG4PL	Bhadla-II(PG)	300	67	-	34	-	-	-	-	-	-	-	-	-	-	-	14	2	14%	AMP
37	ADANI GREEN ENERGY TWENTY FIVE LIMITED	Bhadla-II(PG)	500	40	33	-	-	-	-	-	-	-	-	-	-	-	-	14	2	14%	Adani
38	Renew Surya Jyoti Pvt. Ltd.	Fatehgarh-III	210	34	33	-	-	-	-	-	-	-	-	-	-	-	-	14	2	14%	Renew

39	Mahindra Renewable Private Limited	Bhadla (PG)	250	-	-	-	-	-	-	-	-	-	-	36	-	-	-	14	1	7%	Mahindra
40	XL Xergi Power Pvt. Ltd.	Fatchgarh-III	400	-	36	-	-	-	-	-	-	-	-	-	-	-	-	14	1	7%	O2 Power

List of RE plants commissioned but not performed power quality field testing								
						FY 25-26		
Sl. No.	Region	Name of the plant	Capacity (MW)	Pooling station	Type(wind/Solar)	Power quality field test report submitted	Power quality field test report submission date (mm/dd/yyyy)	Remarks/violation observed
Northern Region								
1	NR	RENEW SOLAR POWER Pvt. Ltd. Bhadla	50	Bhadla(PG)	Solar			
2	NR	AZURE POWER INDIA Pvt. Ltd., Bhadla	200	Bhadla(PG)	Solar			
3	NR	SB ENERGY FOUR PRIVATE LIMITED, Bhadla	200	Bhadla(PG)	Solar	Yes	11-07-2025	No Violation
4	NR	Adani Renewable Energy (RJ) limited Rawara	200	Bhadla(PG)	Solar	Yes	11-07-2025	No Violation
5	NR	Azure Power Thirty-Four Pvt. Ltd.	130	Bhadla(PG)	Solar			
6	NR	RENEW SOLAR POWER Pvt. Ltd. Bikaner	250	Bikaner	Solar			
7	NR	ACME Chittorgarh Solar Energy Pvt Ltd	250	Bhadla(PG)	Solar			
8	NR	Clean Solar Power (Bhadla) Pvt. Ltd	300	Bhadla(PG)	Solar			
9	NR	Adani Solar Energy Four Private Limited	50	Bhadla(PG)	Solar	Yes	11-07-2025	No Violation
10	NR	Adani Solar Energy Jodhpur Two Limited, Rawara	50	Bhadla(PG)	Solar	Yes	11-07-2025	No Violation
11	NR	Azure Power Forty-Three Pvt. Ltd. _RSS	300	Bikaner	Solar			
12	NR	SB Energy Six Private Limited, Bhadla	300	Bhadla(PG)	Solar	Yes	11-07-2025	No Violation
13	NR	Eden Renewable Cite Private Limited	300	Fatehgarh-II(PG)	Solar	Yes	11-11-2025	No Violation
14	NR	Mahindra Renewable Private Limited	250	Bhadla(PG)	Solar	Yes	20-07-2025	No Violation
15	NR	Tata Power Renewable Energy Ltd. (TPREL)	300	Bhadla(PG)	Solar			
16	NR	Renew Sun Waves Private Limited	300	Fatehgarh-II(PG)	Solar			
17	NR	Renew Sun Bright (RSEJ4L)	300	Fatehgarh-II(PG)	Solar			
18	NR	ReNew Solar Energy (Jharkhand Three) Private Limited	300	Fatehgarh-II(PG)	Solar			
19	NR	ReNew Solar Urja Private Limited	300	Fatehgarh-II(PG)	Solar			
20	NR	Azure Power Forty-Three Pvt. Ltd. _PSS	300	Bikaner	Solar			
21	NR	Ayaana Renewable Power One Pvt. Ltd.	300	Bikaner	Solar			
22	NR	Azure Power Forty-One Pvt limited	300	Bhadla(PG)	Solar			
23	NR	Avaada Sunce energy Pvt limited	350	Bikaner	Solar			
24	NR	Clean Solar Power (Jodhpur) Pvt. Ltd.	250	Bhadla(PG)	Solar			

25	NR	Avaada Sustainable RJ Pvt. Ltd.	300	Bikaner	Solar			
26	NR	Avaada RJHN_240MW	240	Bikaner	Solar			
27	NR	ACME Heergarh Powertech Pvt. Ltd	300	Bhadla-II(PG)	Solar			
28	NR	Adani Hybrid Energy Jaisalmer One Ltd.	390	Fatehgar h-II(PG)	Hybrid			
29	NR	ABC Renewable Pvt. Ltd	300	Bhadla-II(PG)	Solar			
30	NR	Mega Surya Urja Pvt. Ltd. (MSUPL)	250	Bhadla-II(PG)	Solar	Yes	20-07-2025	No Violation
31	NR	Tata Power Green Energy Ltd. (TPGEL)	225	Bikaner	Solar			
32	NR	Nedan Solar NTPC	296	Fatehgar h-I	Solar			
33	NR	Adani Hybrid Energy Jaisalmer Two Ltd.	300	Fatehgar h-II(PG)	Hybrid			
34	NR	Adani Hybrid Energy Jaisalmer Three Ltd.	300	Fatehgar h-II(PG)	Hybrid			
35	NR	Adani Hybrid Energy Jaisalmer Four Ltd.	700	Fatehgar h-I	Hybrid			
36	NR	Adani Solar Energy Jaisalmer One Pvt. Ltd.	450	Fatehgar h-II(PG)	Hybrid			
37	NR	Thar Surya Pvt. Ltd.	300	Bikaner	Solar			
38	NR	Avaada Sunrays Pvt. Ltd.	320	Bhadla-II(PG)	Solar			
39	NR	NTPC Devikot Solar plant_240MW	240	Fatehgar h-II(PG)	Solar			
40	NR	Azure Maple Pvt. Ltd.	300	Bhadla(PG)	Solar			
41	NR	Renew Surya Ravi Pvt. Ltd.	300	Bikaner	Solar			
42	NR	Tata Power Green Energy Ltd. (TPGEL)	110	Bikaner	Solar			
43	NR	NTPC Nokhra_300MW	300	Bhadla-II(PG)	Solar			
44	NR	ADANI SOLAR ENERGY JAISALMER TWO PVT. LTD. (SBSR)	300	Bikaner	Solar	Yes	11-07-2025	No Violation
45	NR	Amplus Ages Private Limited	100	Bhadla-II(PG)	Solar			
46	NR	ALTRA XERGI POWER PRIVATE LIMITED	380	Fatehgar h-III(PG)	Solar			
47	NR	Rising Sun Energy (K) Private Limited	190	Bhadla-II(PG)	Solar			
48	NR	AMP Energy Green Four Private Limited	300	Bikaner	Solar			
49	NR	ADANI GREEN ENERGY TWENTY FIVE LIMITED	500	Bhadla-II	Solar	Yes	14-07-2025	No Violation
50	NR	ACME DHAULPUR POWERTECH PRIVATE LIMITED	300	Fatehgar h-I	Solar			
51	NR	ACME DEOGHAR SOLAR POWER PRIVATE LIMITED	300	Fatehgar h-I	Solar			
52	NR	ACME PHALODI SOLAR ENERGY PRIVATE LIMITED	300	Fatehgar h-I	Solar			
53	NR	ACME RAISAR SOLAR ENERGY PRIVATE LIMITED	300	Fatehgar h-I	Solar			

54	NR	JUNIPER GREEN COSMIC PRIVATE LIMITED	100	Bikaner-II	Solar			
55	NR	Serentica Renewables India 4 Private Limited	168.00	Bikaner-II	Solar	Yes	15-12-2025	No Violation
56	NR	Transition Sustainable Energy Services Private Limited	50.00	Bikaner-II	Solar			
57	NR	Transition Green Energy Private Limited	100.00	Bikaner-II	Solar			
58	NR	Ayana Renewable Power Three Pvt Ltd	300.00	Bikaner(P G)	Solar			
59	NR	AMP Energy Green Five Private Limited	100.00	Bhadla-II	Solar			
60	NR	ADANI SOLAR ENERGY RJ TWO PRIVATE LIMITED(Phalodi)	150.00	Bhadla-II	Solar			
61	NR	Serentica Renewables India 5 Private Limited	220.00	Bikaner-II	Solar	Yes	15-12-2025	No Violation

Grid Event summary for November & December 2025

S.No.	Category of Grid Incident/ Disturbance (GI-I to GD-V)	Name of Elements (Tripped/Manually opened)	Affected Area	Owner/ Agency	Outage		Revival		Duration (hh:mm)	Event (As reported)	Loss of generation / loss of load during the Grid Disturbance		Fault Clearance time (in ms)	Remarks
					Date	Time	Date	Time			Generation Loss(MW)	Load Loss (MW)		
2	GD-1	1)220kV Fatehgarh_III-RSPL line	Rajasthan	PGCIL, RSPL	7-Nov-25	13:40	7-Nov-25	14:14	00:34	i)Generation of 220kV Renew Surya Jyoti Pvt.Ltd. (RSPL) (IP) station evacuates through 220 KV RSPL-Fatehgarh_III line. ii)During antecedent condition, 220kV RSPL(IP) station was generating approx. 60 MW (as per PMU). iii)As reported, at 13:40 hrs, 220kV Fatehgarh_III-RSPL line tripped on earth fault. iv)As per PMU at Fatehgarh_III(PG), no fault and fluctuation in voltage was observed in the system v)As per PMU MW data of RSPL, solar generation loss of ~60 MW observed at RSPL Restation. As per SCADA, no significant change in NR solar generation loss is observed.	60	0	NA	The exact cause of tripping, location and nature of the fault, along with the DR/IL and detailed tripping report may be shared. The remedial action taken may be shared
11	GD-1	1) 220/33kV 100 MVA ICT-2 at Nokhra(IP) 2) 220 KV Nokhra SL_BHD2 (NTPC)-Bhadla_2 (PG) (NTPC_NOKHRA) Ckt	Rajasthan	NTPC Green, PGCIL	26-Dec-25	10:46	26-Dec-25	12:13	01:27	i)Generation of 220kV Nokhra (IP) stations evacuates through 220 KV Nokhra SL_BHD2 (NTPC)-Bhadla_2 (PG) (NTPC_NOKHRA) Ckt. ii)During antecedent condition, 220kV Nokhra (IP) was generating approx. 270 MW (as per PMU). iii)As reported, at 10:46hrs, 220/33 KV 100 MVA ICT-2 tripped on differential protection operation on B-N fault. iv)At the same time, 220kV Bhadla2-Nokhra line also tripped. Reason of the tripping is yet to be received. v)As per PMU at Bhadla2(PG), B-N phase to earth fault cleared within 100 msec is observed. vi)As per PMU plot of MW of Nokhra(IP), solar generation loss of ~270 MW occurred at Nokhra Restation.	270	0	80	The reason for tripping of the 220 kv Bhadla-ii-Nokhra line may be shared. Is there any protection-related issues ? DR/EL, tripping analysis of the event and the remedial action taken may also be shared.

Report on Multiple element tripping in Rajasthan RE Complex

1. **Date & Time of event:** 13:38 hrs, 14:05 hrs & 14:09 hrs on 14.01.2026
2. **Location:** RE generation complex in Rajasthan
3. **Affected Plant/Substation Name:**
 - RE pooling stations i.e., 765/400/220kV Fatehgarh2(PG), 765/400/220kV Bhadla(PG), 765/400/220kV Bhadla2(PG), 765/400/220kV Bikaner(PG), 400/220kV Bikaner2(PG), 400/220kV Fatehgarh3(PG), 400kV ACME Pooling and RE station connected at these pooling stations.
4. **GD/GI Category:** GD-1 at 11:38 hrs & 14:05 hrs, GI-2 at 14:09 hrs
 - Blackout of RSAPL at 13:38 hrs and 400kV ACME Pooling, 400kV Renew Solar_Bikaner & 220kV RDUPL at 14:05 hrs.
5. **Antecedent Condition:**

	13:38 hrs	14:05 hrs	14:09 hrs
NR Demand	63353 MW	61700 MW	60875 MW
Antecedent NR total Solar generation	27149 MW	26144 MW	22771 MW
Rajasthan state demand	16325 MW	15997 MW	15665 MW
Frequency	50.077 Hz	49.97 Hz	49.85 Hz
weather condition	Normal	Normal	Normal
IR exchange	6381 MW	7238 MW	7305 MW

6. Triggering incident: R-Y ph-ph fault on 400kV Bassi-Phagi line-1 at 13:38 hrs, R-Y-B three phase fault on 765kV Aligarh-Sikar2 line-I at 14:05 hrs and R-Y ph-ph fault on 765kV Aligarh-Sikar2 line-II at 14:09 hrs

7. Generation loss/Load loss:

- NR RE generation drop/loss of approx. 1680 MW, 3787 MW and 925 MW at 13:38 hrs, 14:05 hrs & 14:09 hrs respectively (as per SCADA data)

8. Restoration time: 14:55 hrs (765 KV Bhadla2-Fatehgarh2 ckt-3 was charged)

9. Tripped elements:

S. No	Name of Elements	Outage Time	Revival Time	Reason of tripping
1.	400 KV Bassi(PG)-Phagi(RS) (PG) Ckt-1	13:38 hrs	20:36 hrs	R-Y ph-ph fault
2.	765 KV Bhadla_2 (PG)-Fatehgarh_II(PG) (PBTL) Ckt-3		14:55 hrs	Overvoltage (Vph:469kV, ~1.06 pu)
3.	220 KV Fatehgarh_III(PG)-RSAPL_SL_FTHG3_PG (RENEW SURYA AAYAN PRIVATE LIMITED) Ckt-1		16:30 hrs	Overvoltage
4.	700 MW RAPS D unit--1		14:31 hrs	Turbine trip (Further details awaited)
5.	765 KV Sikar_2(PSTL)-Aligarh(PG) (PASTL) Ckt-1	14:05 hrs	23:22 hrs	R-Y-B three phase fault
6.	220 KV Renew_Dinkar-Bikaner_2 (PBTSL) (Renew Dinkar_UPL) Ckt-1		17:47 hrs	Overvoltage
7.	400 KV ACME_Deoghar_Ftgh1(PG)-Fatehgarh Pooling(FBTL) Ckt-1		15:43 hrs	
8.	765 KV Bikaner-Bhadla_2 (PG) Ckt-1		17:25 hrs	Overvoltage (Vph:475kV, ~1.075 pu)
9.	765 KV Bhadla_2 (PG)-Fatehgarh_II(PG) (PBTL) Ckt-4		22:27 hrs	Overvoltage (Vph:474kV, ~1.073)

				pu)
10.	400 KV Bikaner(PG)-Bikaner RENEW Solar(RENEW) (Renew Power) Ckt		16:15 hrs	Overvoltage
11.	400 KV Renew SuryaRavi (RSRPL)-Bikaner RENEW Solar(RENEW) Ckt-1		16:20 hrs	
12.	765 KV Bhadla_2 (PG)-Fatehgarh_II(PG) (PFTL) Ckt-1		22:02 hrs	
13.	765 KV Ajmer-Bhadla_2 (PG) Ckt-1		17:11 hrs	
14.	765 KV Bhiwani(PG)-Narela(PNTL) (PNTL) Ckt-1		18:03 hrs	Overvoltage (Vph:467kV, ~1.057 pu)
15.	765 KV Sikar_2(PSTL)-Aligarh(PG) (PASTL) Ckt-2	14:09 hrs	23:33 hrs	R-Y ph-ph fault

10.Details of fault (as per PMU):

- i) Nature of fault:
 - R-Y ph-ph fault on 400kV Bassi-Phagi line-1 at 13:38 hrs
 - R-Y-B three phase fault on 765kV Aligarh-Sikar2 line-I at 14:05 hrs
 - R-Y ph-ph fault on 765kV Aligarh-Sikar2 line-II at 14:09 hrs
- ii) Fault clearing time: 80msec at all three instances.

11. Brief description of event:

- i) As reported, at 13:38 hrs, 400kV Bassi-Phagi ckt-2 tripped on R-Y fault. Fault occurred due to kite thread. As per PMU plot of phase current of line at Bassi(PG), R-Y fault which cleared within 100 msec is observed.
- ii) On this fault during voltage dip, significant dip in RE generation observed which further led to the overvoltage in transmission network.
- iii) Due to this overvoltage, 765 KV Bhadla2-Fatehgarh2 ckt-3 tripped on overvoltage stage-1. As per PMU plot of phase voltage of line at Fatehgarh2(PG), overvoltage upto Vph:469kV, ~1.06 pu is observed. At the same time, 220 KV Fatehgarh_III(PG)-RSAPL(RENEW SURYA AAYAN PRIVATE LIMITED) Ckt also tripped on overvoltage and RAPS-D unit-1 tripped due to turbine trip during grid disturbance. (Exact reason of RAPS-D unit tripping is

- yet to be received). Tripping of 220kV RSAPL RE station on overvoltage needs to be reviewed.
- iv) As per SCADA, total drop of approx. 1680 MW NR RE generation observed during the event. Out of which ~300 MW lost due to tripping of RSAPL RE station and ~100 MW at APTFL, ~90 MW at Devikot, ~50 MW at AHEJ4L, ~85 MW at TPGEL, ~180 MW ASEJ2L, ~82 MW at ARTPL and ~135 MW at MSUPL affected due to suspected LVRT/HVRT non-compliance during the event. Additionally, loss of ~600 MW nuclear generation observed at RAPS-D due to tripping of RAPS-D unit-1.
 - v) Further at 14:05 hrs, 765kV Sikar2-Aligarh ckt-1 tripped on R-Y-B three phase fault. Fault occurred due to kite thread. As per PMU plot of phase current of line at Sikar2(PG), R-Y-B three phase fault which cleared within 100 msec is observed.
 - vi) On this fault during voltage dip, significant dip in RE generation observed which further led to the overvoltage in transmission network.
 - vii) Due to this overvoltage, 765kV Fatehgarh2-Bhadla2 ckt-1 & 4, 765kV Bikaner-Bhadla2 ckt-1, 765kV Bhadla2-Ajmer ckt-1, 765kV Bhiwani-Narela ckt, 400kV Fatehgarh1-ACME Pool ckt, 400kV Bikaner(PG)-Bikaner Renew Solar ckt, 400kV Bikaner Renew Solar-Renew Surya Ravi ckt and 220kV Bikaner2(PG)-Renew Dinkar ckt tripped on overvoltage stage-1. As per PMU plot of phase voltage of line, Vph: 475kV (1.075 pu) at Bhadla2(PG) and 467kV (1.057 pu) at Bhiwani(PG) is observed. Tripping of 220kV Renew Dinkar RE station on overvoltage needs to be reviewed.
 - viii) As per SCADA, total drop of approx. 3787 MW NR RE generation observed during the event. Out of which ~1650 MW lost due to tripping of ACME pooling station, Bikaner Renew Solar, Renew Surya Ravi and Renew Dinkar RE station and ~50 MW at SB Energy, ~66 MW at AHEJ3L, ~74 MW at AHEJ1L, ~35 MW at EDEN, ~135 MW RSUPL, ~88 MW at Avada SSTN, ~78 MW at TPGEL, ~65 MW at Kolayat, ~225 MW ABCRL, ~293 MW at NTPC Nokhra, ~125 MW at Karniser NHPC, ~82 MW at ARTPL and ~61 MW at RSEKPL affected due to suspected LVRT/HVRT non-compliance during the event.
 - ix) Further at 14:09 hrs, 765kV Sikar2-Aligarh ckt-2 tripped on R-Y fault. Fault occurred due to kite thread. As per PMU plot of phase current of line at Sikar2(PG), R-Y fault which cleared within 100 msec is observed.

- x) On this fault during voltage dip, as per SCADA, total drop of approx. 925 MW NR RE generation observed.

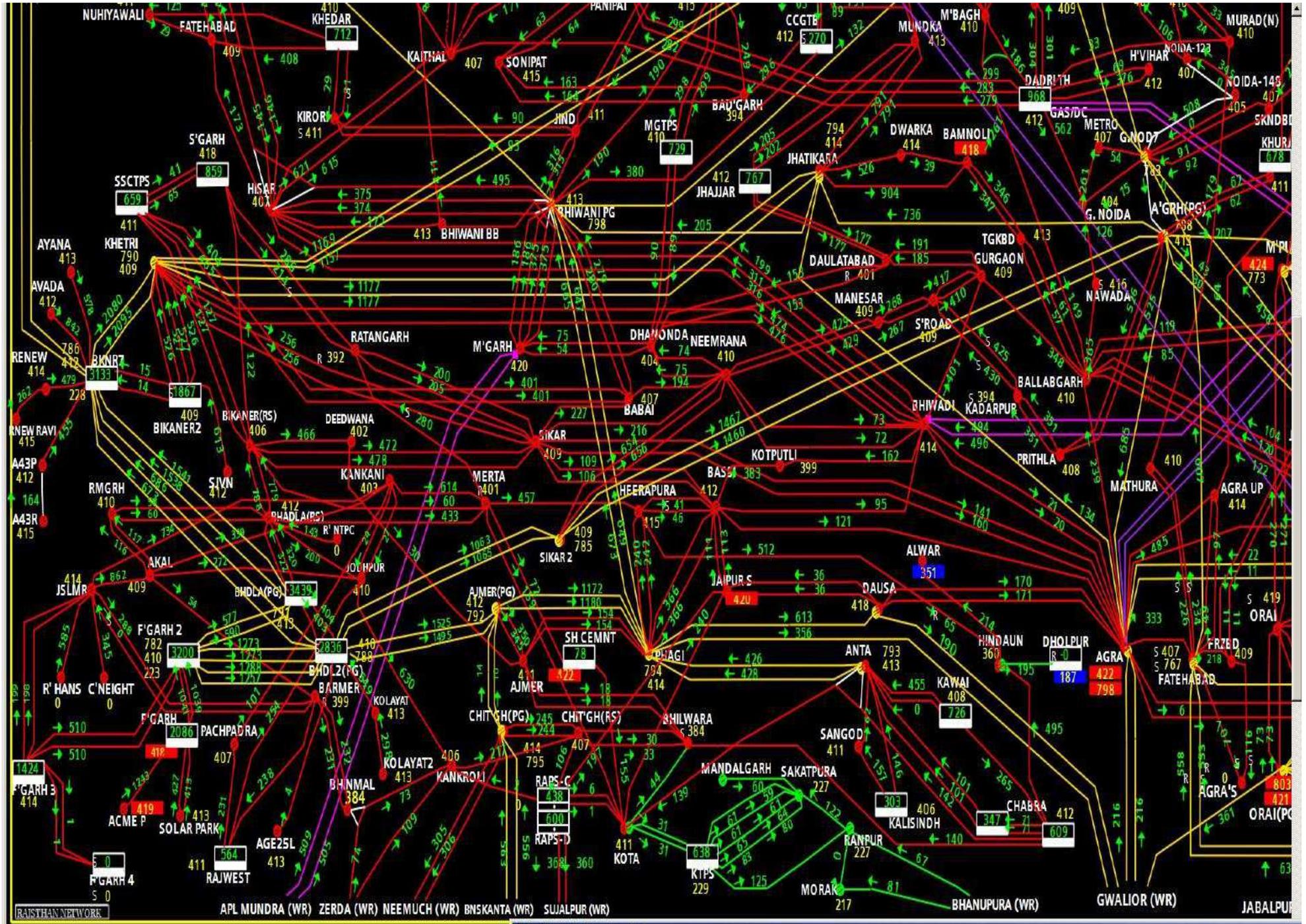
12.Action Taken:

- i) Due to outage of multiple 765 KV cks at Fatehgarh-2, schedule of the plants connected to Fatehgarh_2 pooling stations was curtailed from 15:00 hrs to 16:00 hrs. Approx 900 MW RE generation was curtailed.
- ii) Curtailment of ~1000 MW RE generation in Rajasthan control area.
- iii) All the RE Plants were requested to strictly monitor WBES for latest schedule and avoid any over injection.
- iv) STATCOM at Bhadla2 & Fatehgarh2 were put in fix Q mode with 200 MVar & 100 MVar absorption respectively.
- v) All the bus reactors in RE complex were taken in service.
- vi) Immediately contacted CPCC-1, SLDC-Rajasthan and RE plants for tripping details and early restoration of elements.

13.Preliminary Observations:

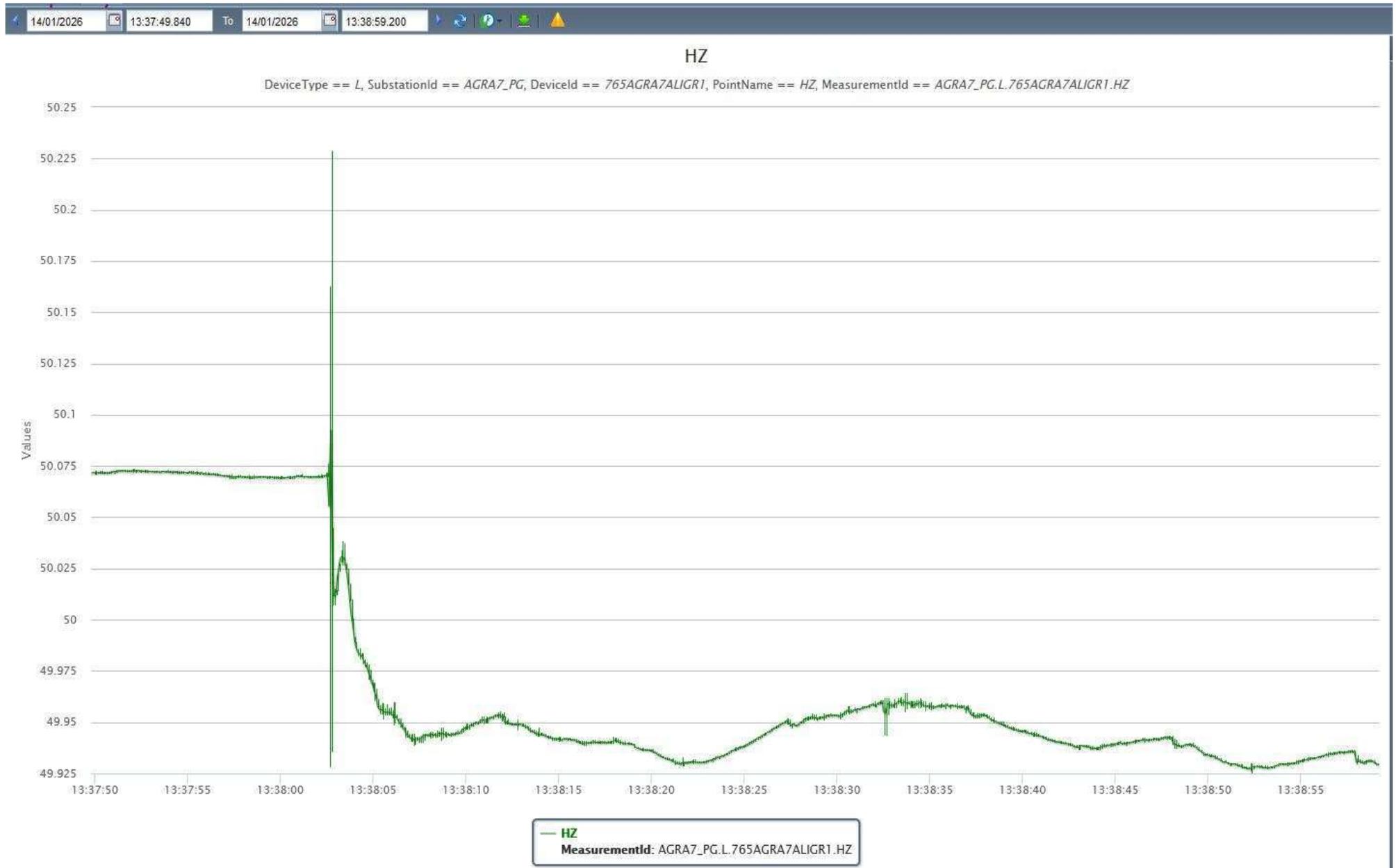
- i) Active power of many of the RE plants didn't recover fully after clearance of fault within 100 msec. Root cause analysis and LVRT behaviour of such RE stations need to be reviewed.
- ii) Why did 220kV RSAPL and Renew Dinkar RE station trip during overvoltage? As per general guideline, voltage protection has been kept OFF in all the RE stations connected at 220kV level. DR/EL and voltage protection setting of RSAPL & RDUPL Re stations needs to be shared.
- iii) Tripping of 765kV Fatehgarh2-Bhadla2 ckt-1 & 4, 765kV Bikaner-Bhadla2 ckt-1 and 765kV Bhadla2-Ajmer ckt-1 needs to be reviewed as voltage didn't go above 1.075pu during the overvoltage condition and these lines are having OV stage-1 pick up at 108% and above. DR/EL and tripping analysis of these lines need to be shared.
- iv) Remedial action taken report to be shared.

Network before tripping (13:38 hrs)

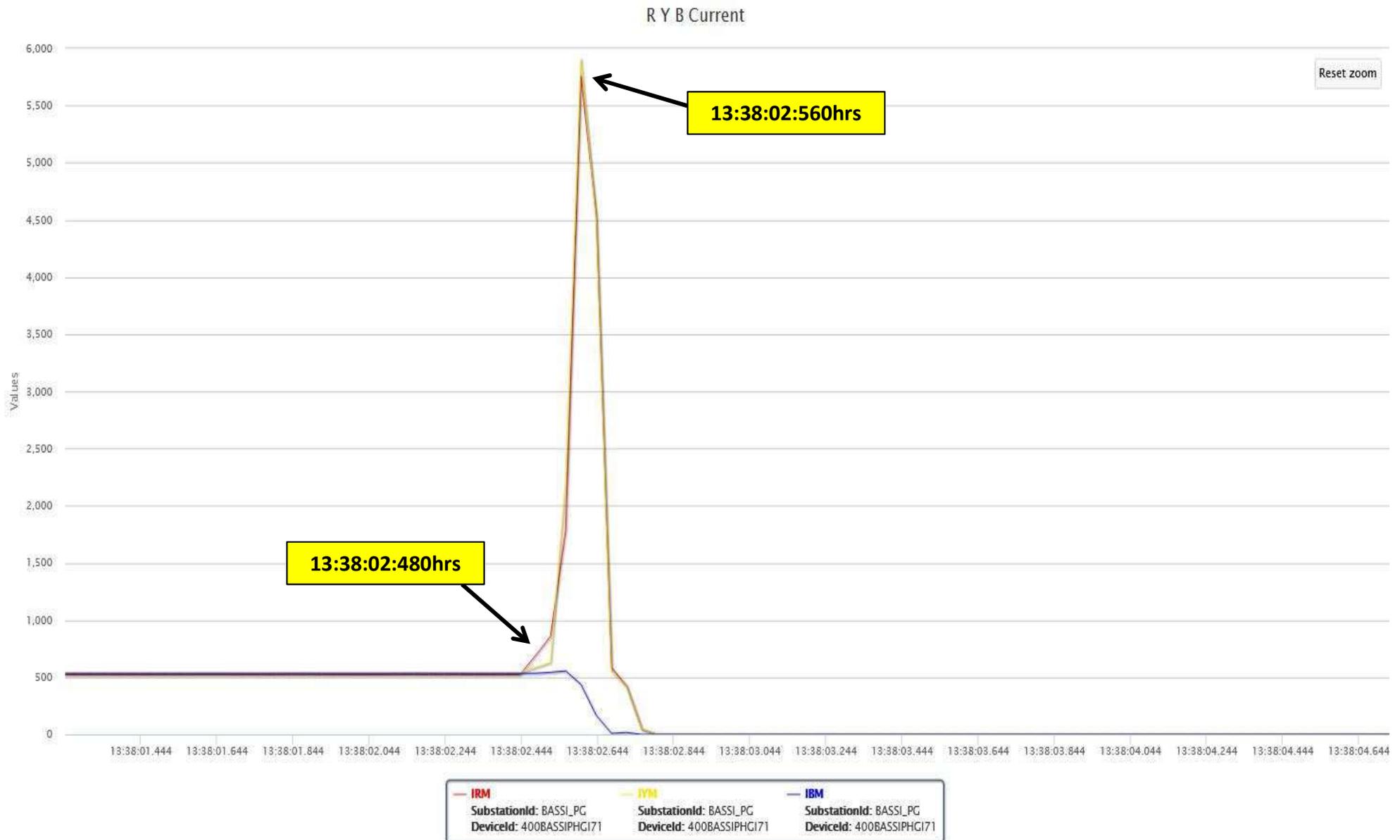


PMU Plot of frequency at 765kV Agra(PG)

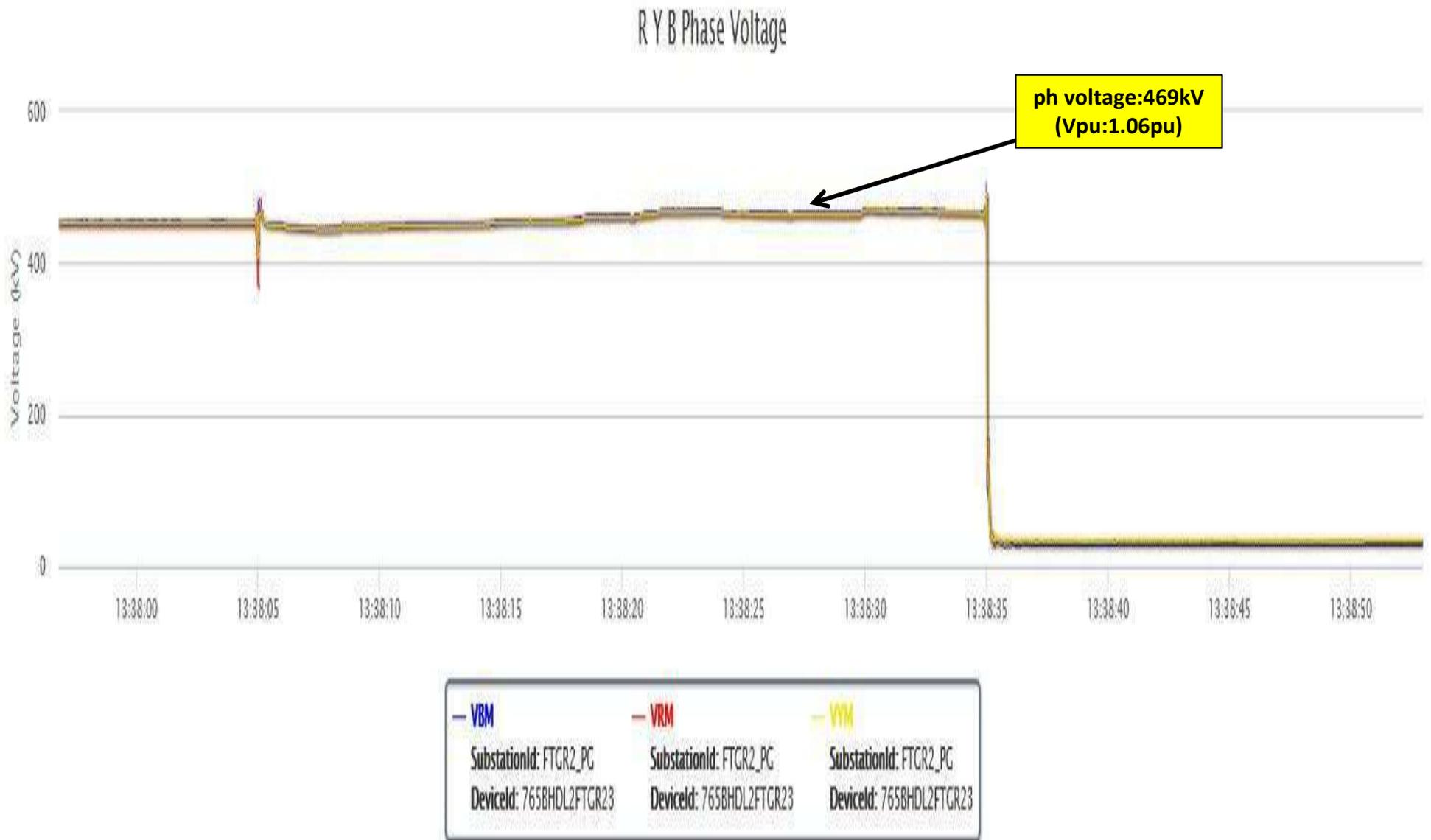
13:38hrs/14-Jan-26



PMU Plot of phase current magnitude of 765kV Bassi-Phagi line-I at Bassi(PG) 13:38hrs/14-Jan-26



PMU Plot of phase voltage magnitude of 765kV Fatehgarh2-Bhadla2 line-3 at Fatehgarh2(PG) 13:38hrs/14-Jan-26



RE generation before tripping(13:38 hrs)

QCA	RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
EMSYS	ACME	250	250	222	225	215	226	68	1	250	0
	AREJUL	200	200	181	185	190	195	8	0	200	0
	ASEGPL	50	50	45	43	42	44	8	2	50	0
	ASEJL	50	50	47	44	45	49	8	3	50	0
	ASER2PH	150	150	150	150	150	151	16	1	150	0
	CSPP	250	250	240	245	245	251	75	3	250	0
	CSFK	300	300	287	270	270	290	60	20	300	0
	RENEW	50	50	48	44	44	50	0	4	50	0
	SE ENERGY	200	200	181	182	182	182	167	0	200	0
	SBEPL	300	300	282	300	300	315	8	15	300	0
	TPREL	300	300	282	294	289	304	21	9	300	0
	APFL	130	130	126	126	125	126	12	9	130	0
	AZURE	200	200	165	170	165	175	0	6	200	0
	AZURE MAPPLE	276	276	310	225	220	214	30	-11	276	0
	AZURE41	300	300	281	290	291	294	30	-4	300	0
	MRPL	250	250	239	235	225	249	70	14	250	0
AMBUJA	150	300	258	296	296	304	15	8	300	0	
BHADLA (PG)	3406	3256	2824	3333	3104	3439	515	83	3516	0	

RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
AHEJL	390 (360+100)	390	349	370	370	372	5	2	390	0
AHEZL	300 (300+75)	300	284	280	280	248	55	-12	300	0
AHEJL	300 (300+75)	300	247	275	275	250	40	-25	300	0
ASEJL	450 (421+105)	450	384	435	435	430	60	6	450	0
AGE2MPL	500	1	135	0	0	35	67	35	0	0
ASER2PL	180	180	125	160	160	159	90	-1	180	0
DEVHNOT	240	240	224	220	220	232	71	12	240	0
IDEN	300	300	288	295	293	301	50	6	300	0
RNEWJ	300	300	282	276	276	296	48	21	300	0
RSPL	300	300	273	258	258	242	50	4	300	0
RSJPL	300	300	273	276	276	297	50	21	300	0
SUPL	300	300	274	291	291	295	4	4	300	0
FTGHZ (PG)	3960	3361	3088	3137	3137	3200	569	63	3318	0

RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
AHEJL	700(600+510)	700	523	615	616	583	22	62	700	0
DIDGARH	300	300	292	300	300	311	49	11	300	0
DHOLPUR	300	300	249	300	300	310	50	10	300	0
PHALOGI	300	300	261	300	300	310	50	10	300	0
RAJIBR	300	300	228	300	300	310	50	10	300	0
NIDAN(NT)	296	296	285	280	280	294	34	14	296	0
FTGH1	2196	2196	2077	2095	2095	2086	255	-9	2196	0

RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
AXPPL	380	380	240	388	388	382	31	23	380	0
NRSVPL	200	1	0	0	0	1	15	1	0	0
RSJPL	210	1	0	0	0	0	15	0	0	0
RSVPL	100	100	94	95	95	97	10	2	100	0
RSPPL - FTG3	200	201	182	200	200	204	40	4	200	0
RSAPL	300	300	257	290	250	302	35	12	300	0
XXPPL	400	1	166	0	0	-1	29	-1	0	0
ABOUJ2	200.8	1	0	0	0	50	50	0	0	0
EPPPL	300	89	39	0	0	0	4	0	0	0
RSRPL	400	400	340	365	365	382	47	17	400	0
RSRPL BESS	0	0	0	0	0	0	0	0	0	0
FATEHGARH 3	2190	1454	1304	1315	1314	1424	275	108	1254	0

RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV
ANTA	90	90	81	79	76	78	2
AURAYA	40	40	26	25	24	25	0
GADRI	5	5	3	3	3	2	0
SINGRAULI	15	15	7	9	9	0	-9
UNCHAHAR	10	10	4	5	5	4	0

QCA	RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
EMSYS	AVADA, RHN	240	240	214	219	213	223	53	4	240	0
	AVADA, SUN/C	350	350	314	320	310	330	63	10	350	0
	AVADA, SSTN	300	300	246	290	285	294	68	4	300	0
	AWANA	300	300	284	290	280	302	0	12	300	0
	RSRPL	300	300	263	287	287	262	79	6	300	0
	RSRPL BKH	250	250	209	202	200	216	53	14	250	0
	TPGBL	225	225	194	204	199	123	18	81	225	0
	TPSL	110	110	93	103	100	89	35	-33	110	0
	YS1PL	300	300	255	285	280	281	64	-4	300	0
	ASEJL2L-P1	150	150	142	142	133	141	1	-1	150	0
	ASEJL2L-P2	150	150	126	130	127	127	0	-3	150	0
	APP3PL	300	300	194	290	280	294	98	6	300	0
	AZURE 43	600	600	432	440	480	456	71	-4	600	0
	BIKANER (PG)	3575	3575	2905	3191	3119	3122	735	68	3575	0

RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
AEGPL	100	1	42	0	0	1	4	1	0	0
AEGSPL	100	100	88	75	75	75	0	4	100	0
AEGPL	100	1	22	0	0	1	8	1	0	0
AGE2SPL	500	1	88	0	0	7	146	7	0	0
ASEPL	320	320	298	315	309	320	49	5	320	0
ASEASPL	50	50	0	0	0	0	0	0	0	0
KOLA'VAT	550	550	550	540	549	540	-1	550	0	0
NISUPL	250	250	214	240	210	230	80	-10	250	0
NIKHRA	300	300	265	300	290	296	40	-4	300	0
ABCPL	300	300	270	295	290	302	70	7	300	0
AHPPL	300	300	289	300	300	309	30	9	300	0
ERAPL	300	1	0	0	0	15	78	18	0	0
GORBEA	300	1	129	0	0	0	0	0	0	0
RSEKPL	190	190	176	183	177	189	29	6	190	0
NINS P2	490	735	605	520	520	539	-19	19	735	0
BHADLA2 (PG)	4150	3100	2943	2778	2711	2838	442	59	2712	0

RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
AAPL	100	62	65	55	55	62	25	7	62	0
GRAIN	100	62	64	57	57	62	25	6	62	0
ONEPL	100	62	64	62	62	63	24	1	62	0
JUNA	335	335	339	190	190	211	32	21	335	0
KBNHPC	300	300	270	285	277	300	51	15	300	0
ASSPL	300	300	263	271	267	267	51	-4	300	0
SJVN	1000	750	497	558	542	415	41	58	558	0
KREPL	300	1	126	0	0	2	80	2	0	0
JGCP L	100	100	88	99	99	96	20	0	100	0
JGCP BESS	25	0	0	0	0	0	0	0	0	0
JNBP L	50	0	21	0	0	21	10	21	0	0
SRSAPL	168	168	121	143	143	163	-17	10	168	0
SRSPL	232	12	66	12	12	12	49	0	12	0
TPS B	300	1	79	0	0	1	3	1	0	0
ARTPL	110	110	80	82	82	0	0	82	110	0
TESPL	84.4	22	37	22	22	0	0	22	46	0
TGEP L	100	1	40	0	0	0	0	0	0	0
TSESPL	50	50	30	38	39	0	0	38	50	0
TSIS 1PL	55.6	20	20	20	20	0	0	20	20	0
BIKANER 2	3785	2281	2084	1894	1866	1867	400	-28	2093	0

TOTAL	SCHDL	NXT SCHL	ACTUAL	DEV
17885	17881	18093	208	

RE generation after tripping(13:38 hrs)

QCA	RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
EMSYS	ACME	250	250	222	225	215	192	6.0	-3.3	250	0
	AREUL	200	200	191	195	190	195	-4	-0	200	0
	ASEAPL	50	50	45	43	42	45	7	2	50	0
	ASEZL	50	50	47	48	45	49	-9	3	50	0
	ASER2PH	150	150	150	150	150	151	9	1	150	0
	CSPJP	250	250	240	248	246	249	52	2	250	0
	CSFK	300	300	267	270	270	289	62	19	300	0
	RENEW	50	50	48	46	46	51	0	5	50	0
	SB ENERGY	200	200	181	188	185	167	140	-2.1	200	0
	S BEAPL	300	300	293	300	300	315	-3	15	300	0
	TPREL	300	300	292	294	289	301	-3.3	6	300	0
	APTFL	130	130	126	126	125	28	7	-10.1	130	0
	AZURE	200	200	165	170	165	175	1	5	200	0
	AZURE MAPPLE	275	275	210	225	220	213	31	-2	275	0
	AZURE 41	300	300	231	232	235	237	3.0	-1	300	0
	MIRPL	250	250	239	235	225	248	7.1	13	250	0
	AMBULJA	150	150	158	156	156	103	22	7	150	0
	BHADLA (PG)	3406	3255	2826	2385	2304	2265	190	89	3386	0

ARBHPL	RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
ARBHPL	AHEJ1L	390 (360+100)	390	349	370	370	372	5	2	390	0
	AHEJ2L	300 (300+75)	300	294	280	280	268	34	-13	300	0
	AHEJ3L	300 (300+75)	300	247	275	275	248	40	-27	300	0
MAL	ASEJ1L	450 (421+105)	450	384	435	435	420	63	-11	450	0
	AGE2APL	500	1	135	0	0	38	67	36	0	0
	ASER2PL	180	180	125	160	160	189	19	-1	180	0
	DEVKOT	240	240	224	220	220	130	71	-90	240	0
	EDEN	300	300	285	295	295	48	10	300	0	
	RNEWB	300	300	282	275	275	288	-9	8	300	0
	RSBPL	300	300	273	288	288	255	48	-3	300	0
	RSUPL	300	300	273	276	276	270	66	-6	300	0
	SUPL	300	300	274	291	291	287	4	-4	300	0
	PTGH2 (PG)	3860	3361	3033	3127	3127	3033	540	-339	3318	0

MAL	RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
MAL	AHEJ4L	700 (600+510)	700	523	615	616	545	13	-49	700	0
	DEOGARH	300	300	292	300	300	310	50	11	300	0
	DHOLPUR	300	300	269	300	300	320	51	9	300	0
	PHALODI	300	300	261	300	300	309	42	10	300	0
	RASIR	300	300	228	300	300	315	53	-10	300	0
	NIDAN(N7)	295	295	285	280	280	289	29	-21	295	0
	PTGH1	2196	2196	2097	2095	2095	2025	214	-70	2196	0

QCA	RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
MAL	AXPPL	380	380	340	355	354	387	31	22	380	0
	NRSVPL	200	1	0	0	0	1	10	1	0	0
	RSJPL	210	1	87	0	0	0	15	0	0	0
	RSVPL	100	100	94	93	93	95	11	0	100	0
	RSPL - FTG3	200	201	182	200	200	202	39	3	200	0
	RSAPL	300	300	257	290	290	0	0	290	300	0
	XXPPL	400	1	166	0	0	-1	29	-1	0	0
	ABCJ02	200.8	1	0	0	0	45	45	45	0	0
	EPPL	300	89	39	0	0	0	4	0	0	0
	RSRPL	400	400	340	365	365	377	47	400	0	
	RSRPL BESS								12		
	FAT EGHARH 3	2190	1454	1504	1315	1314	1104	229	210	1256	0

RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV
ANTA	50	50	51	79	76	77	2
AURAIYA	40	40	26	25	24	25	0
DADRI	5	5	3	3	3	2	0
SINGRAU	15	15	7	9	9	0	0
UN CHAHAR	10	10	4	5	5	4	0

QCA	RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
EMSYS	AVADA_RHM	240	240	214	219	213	197	48	23	240	0
	AVADA_SUNC	350	350	314	320	310	327	62	7	350	0
	AVADA S STN	300	300	266	290	285	241	57	29	300	0
	AVANA	300	300	284	290	290	302	0	12	300	0
	RSRPL	300	300	263	257	257	260	79	3	300	0
	RSPL EKN	250	250	209	202	200	210	52	5	250	0
	TPGEL	225	225	194	204	199	117	10	87	225	0
	TPSL	110	110	99	103	100	95	16	-8	110	0
	TS1PL	300	300	255	285	270	278	44	-7	300	0
	ASEJ2L-P1	150	150	142	142	138	6	141	-136	150	0
	ASEJ2L-P2	150	150	126	130	127	75	2	67	150	0
	ARP3PL	300	300	194	290	280	292	98	2	300	0
	AZURE 43	600	600	432	460	450	451	73	-8	600	0
	BKANER (PG)	3575	3575	2985	3191	3119	3069	800	-277	3679	0

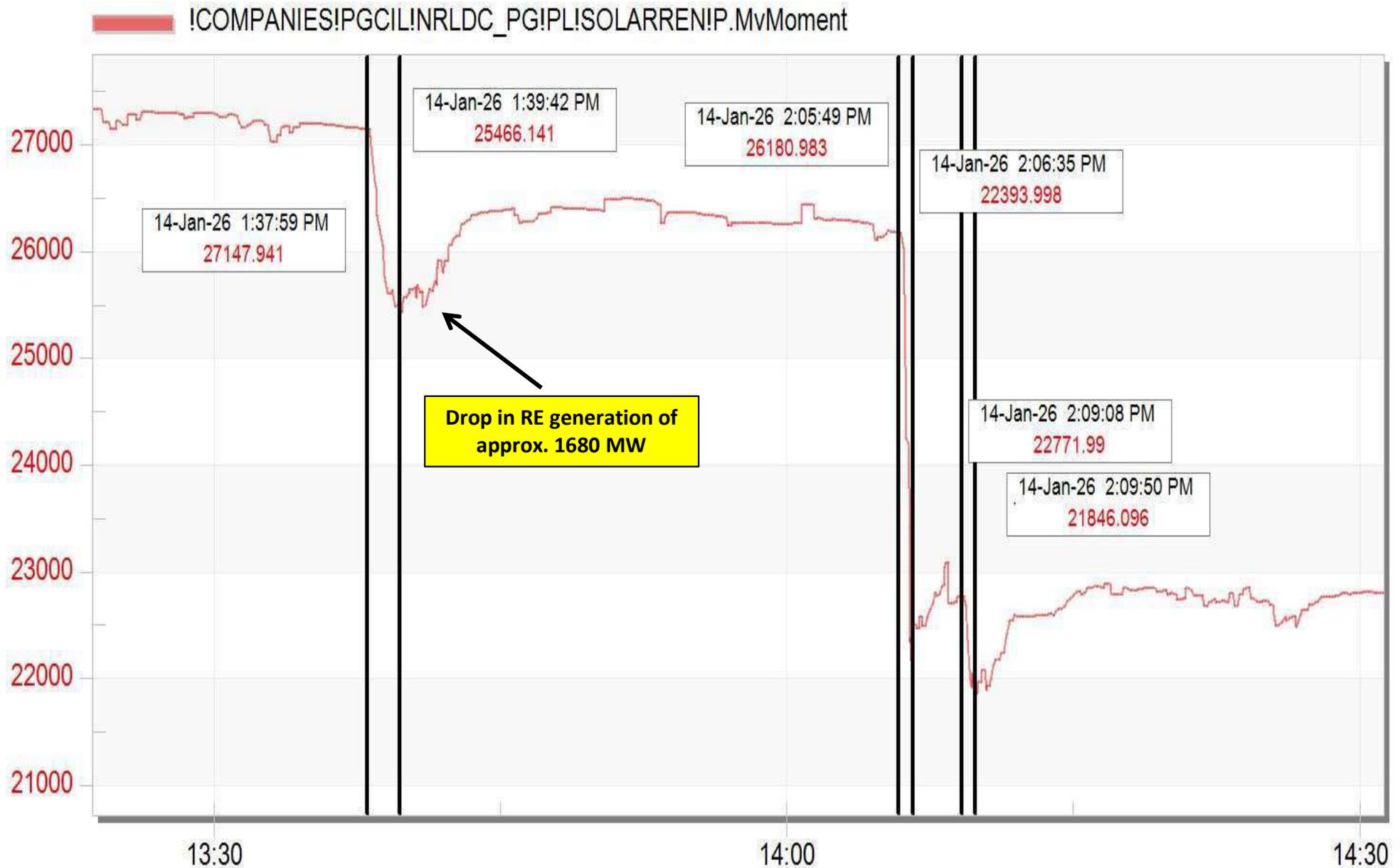
EMSYS	RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
EMSYS	AEGAPL	100	1	42	0	0	1	4	1	0	0
	AEGSPL	100	100	88	75	75	79	-9	4	100	0
	AEGPPL	100	1	22	0	0	1	8	1	0	0
	AGE2SPL	500	1	88	0	0	8	145	8	4	0
	ASEPL	320	320	298	315	309	301	58	-14	320	0
	ASEJ6PL	50	50	0	0	0	0	4	0	0	0
	KOLAYAT	550	550	457	550	540	547	70	-3	550	0
	MS1PL	250	250	214	240	210	164	80	-36	250	0
	NOKHRA	300	300	265	300	290	289	39	-11	300	0
	ASRLL	300	300	270	295	290	302	49	10	300	0
MAL	AHPL	300	300	289	300	300	282	7	300	0	
	ERAPL	300	1	0	0	0	20	59	20	0	
	GORBEA	300	1	129	0	0	0	8	0	0	
	RSKPL	190	190	176	183	177	188	29	5	190	0
	NNSP 2	480	738	605	520	520	540	-16	20	738	0
	BHADLAC (PG)	4150	3100	2943	2778	2711	2670	413	-119	2712	0

EMSYS	RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL	DEV	NOC	TRAS	
EMSYS	AAPL	100	82	55	56	56	63	25	7	82	0
	GRAIN	100	62	64	57	57	63	25	6	62	0
	OVERPL	100	62	64	62	62	63	24	1	62	0
	XINA	335	335	139	190	190	211	32	21	335	0
	MINHPC	300	300	270	285	277	289	40	14	300	0
	ASSPL	300	300	263	271	267	244	52	-28	300	0
	SAIN	1000	750	487	558	542	612	40	55	839	0
	KREPL	300	1	138	0	0	2	80	2	0	0
	JGCP	100	100	85	99	99	97	16	0	100	0
	JGCP BESS	25							2		
	JNEPL	50	0	21	0	0	19	9	19	0	0
	SR1PL	168	168	121	143	143	154	-10	11	168	0
	SR2PL	232	12	66	12	12	11	41	-9	12	0
	TPSB	300	1	79	0	0	0	3	0	0	0
	ARTPL	110	110	80	82	82	80	1	82	110	0
	TESPL	84.4	22	37	22	22	22	0	22	46	0
	TGEPL	100	1	40	0	0	0	2	0	0	0
	TSESPL	50	50	30	38	39	39	0	38	50	0
TSES1PL	55.6	20	20	20	20	20	0	20	20	0	
BKANER 2	3785	2381	2084	1894	1866	1837	385	-87	2093	0	

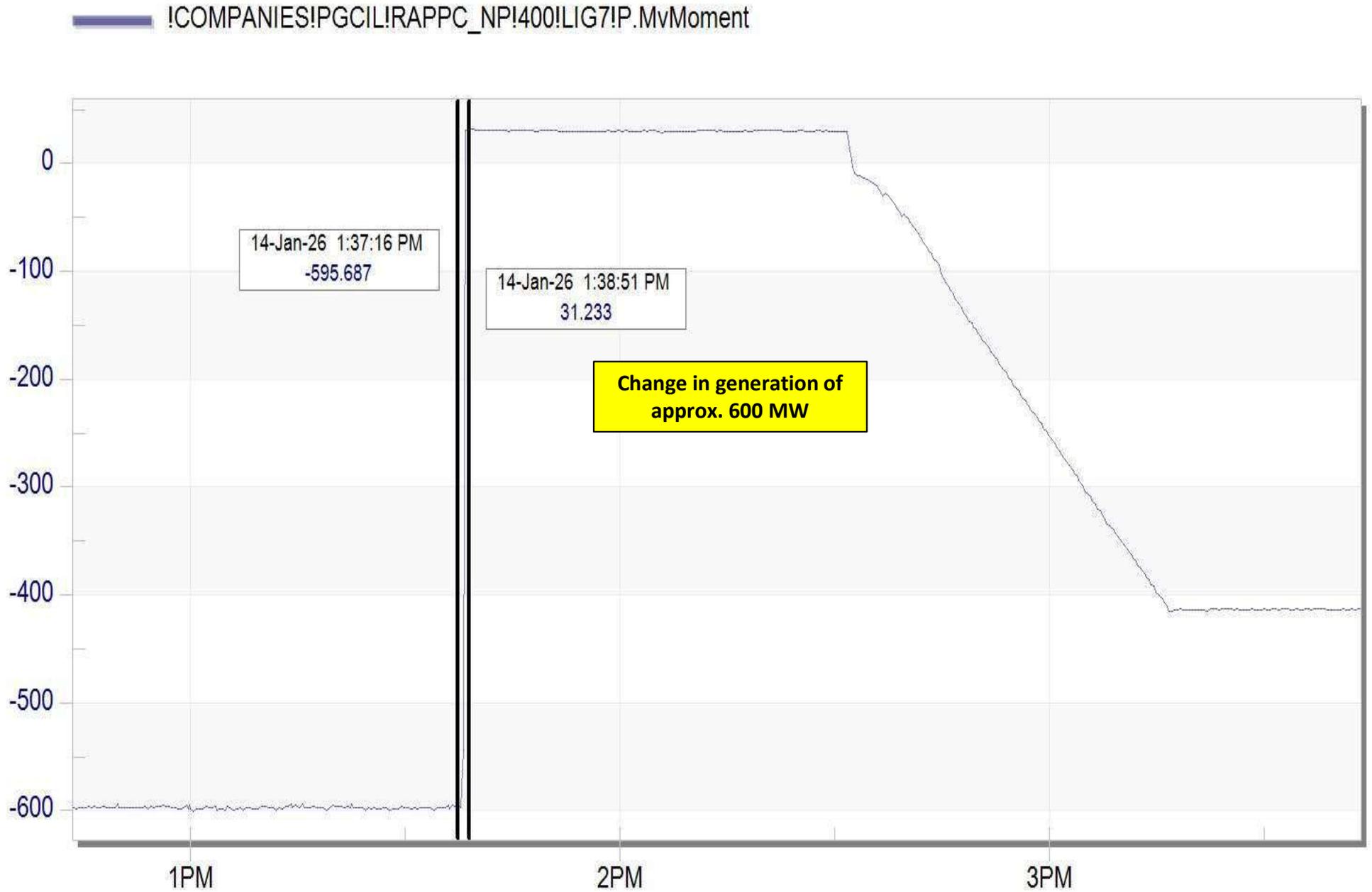
TOTAL	SCHDL	NEXT SCHL	ACTUAL	DEV
17885	17681	16277	-1122	

NR Solar generation during the event

Solar Generation

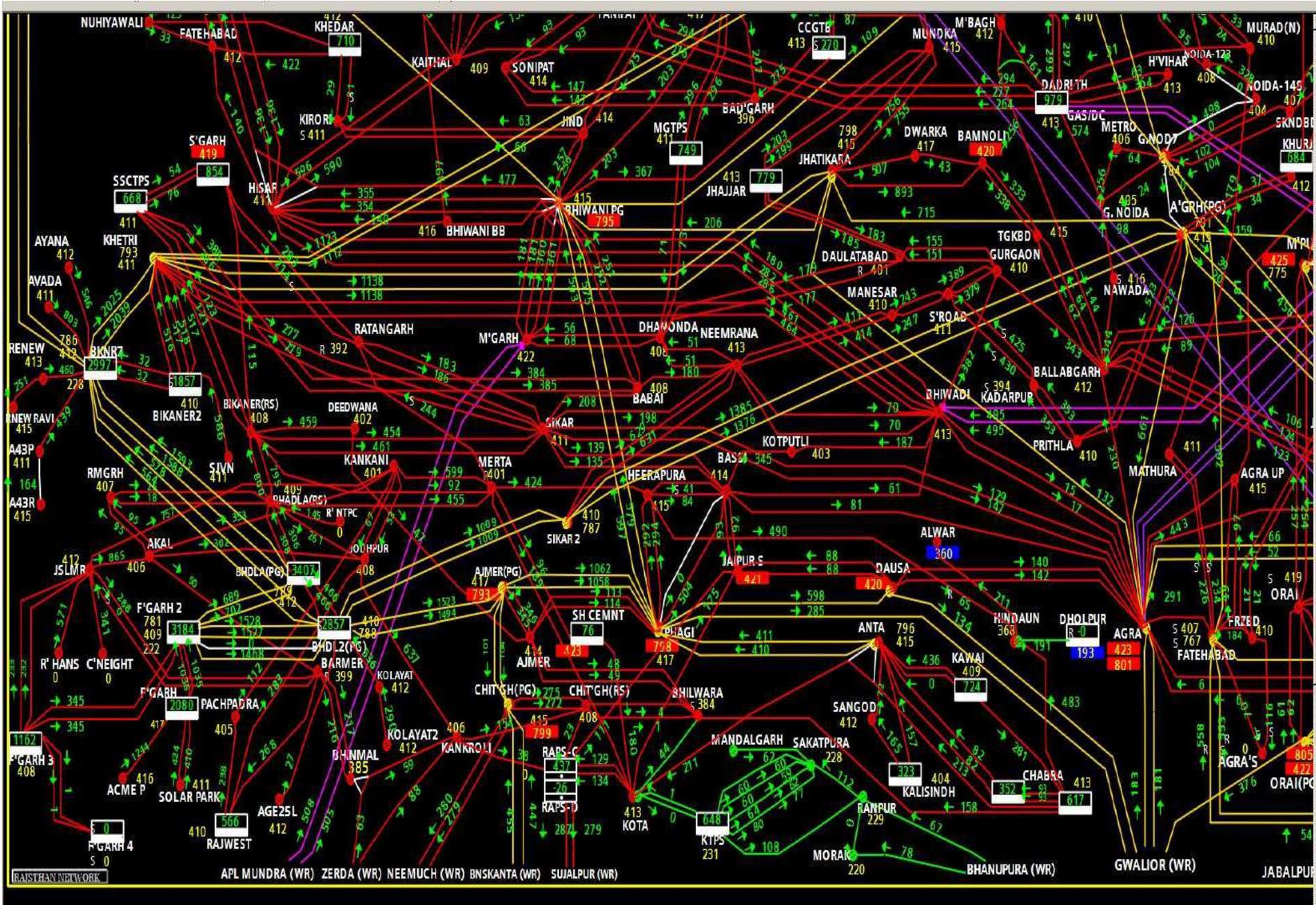


RAPS D generation during the event



Jan 14 Wed 2026

Network before tripping (14:05 hrs)



RE generation before tripping(14:05 hrs)

QCA	RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SOHL	ACTUAL	DEV	NOC	TRAS
EMSYS	ACME	250	230	218	209	193	224	29	290	0
	AREERL	200	200	177	187	184	193	-7	6	200
	ASE4PL	50	50	43	41	39	44	5	2	50
	ASE2PL	50	50	48	44	43	47	-7	2	50
	ASER2PH	150	150	149	144	141	151	-5	7	150
	CSFP	250	210	236	240	232	246	13	6	250
	CSPE	300	300	251	270	283	297	61	27	300
	RENEW	50	50	47	46	46	50	0	4	50
	S B ENRGY	200	200	174	179	172	184	143	6	200
	S BEGPL	300	300	293	300	300	316	-9	18	300
	TPREL	300	300	274	283	274	293	22	11	300
	APTFPL	130	130	124	128	123	134	12	9	130
	AZURE	200	200	167	160	158	172	0	12	200
	AZURE MAPPLE	276	276	200	210	208	205	31	-4	276
	AZURE 41	300	300	278	288	278	292	31	4	300
	MIRPL	250	210	228	218	210	246	60	31	250
	AMBUJA	150	300	284	292	284	304	14	12	300
	BHADLA (PG)	3406	3284	2789	3228	3148	3407	589	178	3516

RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SOHL	ACTUAL	DEV	NOC	TRAS	
AHEJ1L	390 (360+100)	390	344	370	382	370	5	0	390	0
AHEJ2L	300 (300+75)	300	290	280	280	270	39	-10	300	0
AHEJ3L	300 (300+75)	300	243	278	278	249	40	-26	300	0
ASEJ1L	450 (421+105)	450	378	435	435	424	99	-11	450	0
AGE24PL	500	24	180	24	42	42	57	18	24	0
ASER2PL	180	180	124	160	160	160	20	0	180	0
DEVKOT	240	240	217	220	220	229	71	9	240	0
EDEN	300	300	284	289	289	301	90	6	300	0
RNEWSB	300	300	281	278	270	291	49	14	300	0
RSRPL	300	300	283	288	288	272	90	14	300	0
RSUPL	300	300	264	274	270	289	50	13	300	0
SUPL	300	300	247	291	284	288	4	-3	300	0
FTGH2 (PG)	3860	3384	3034	3161	3147	3134	531	23	3343	0

RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SOHL	ACTUAL	DEV	NOC	TRAS	
AHEJ4L	700 (600+510)	700	514	617	618	554	12	-64	700	0
DEOGARH	300	300	289	300	300	311	49	11	300	0
DHOLPUR	300	300	265	300	300	309	52	9	300	0
PHALODI	300	300	286	300	300	310	48	10	300	0
RAJESR	300	300	224	300	300	309	51	10	300	0
NIDAN(NT)	296	296	273	330	275	298	36	8	296	0
FTGH1	2196	2194	704	2097	2093	2080	246	-17	2194	0

QCA	RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SOHL	ACTUAL	DEV	NOC	TRAS	
MAL	AXPPL	300	300	316	361	352	385	33	24	300	0
	NRSVPL	200	10	10	10	17	10	10	0	10	0
	RSJPL	210	10	30	10	18	10	15	0	10	0
	RSVPL	100	100	92	95	95	96	7	1	100	0
	RSPL - FTG3	200	201	179	200	200	206	23	6	200	0
	RSAPL	300	300	282	290	290	0	0	290	300	0
	XXPPL	400	19	170	19	24	18	29	-2	19	0
	ABCJG2	200.8	1	0	13	22	39	59	46	13	0
	EPPL	300	69	40	2	4	3	4	1	3	0
	RSRPL	400	400	332	362	358	376	46	18	400	0
	RSRPL BESS			0	0	0	0	0	18		0
	RAJDEGARH B	2190	1490	1502	1862	1836	1162	228	-98	1211	0

RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SOHL	ACTUAL	DEV
ANTA	90	90	77	73	69	74	3
AURAJVA	40	40	28	22	21	24	0
DADR	5	5	2	2	2	2	0
SINGRAULI	15	15	7	9	7	0	-9
UNOHAMAR	10	10	4	5	8	4	-2

QCA	RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SOHL	ACTUAL	DEV	NOC	TRAS	
EMSYS	AVADA_RJHN	240	240	209	204	199	214	51	8	240	0
	AVADA_SUNC	350	350	305	300	290	313	60	13	350	0
	AVADASTN	300	300	257	270	260	269	65	-1	300	0
	AVANA	300	300	282	270	240	287	1	18	300	0
	RSRPL	300	300	258	287	287	281	79	-6	300	0
	RSPLBKN	250	250	206	196	191	209	57	10	250	0
	TPGEL	225	228	189	192	184	196	14	-78	225	0
	TPSL	110	110	89	97	94	96	6	-1	110	0
	T51PL	300	300	250	265	265	267	54	2	300	0
	ASEJ2L-P1	150	150	123	132	128	137	21	3	150	0
	ASEJ2L-P2	150	150	123	122	117	119	0	-3	150	0
	ARP3PL	300	300	192	270	260	278	74	8	300	0
	AZURE 42	600	600	422	440	430	437	90	-1	600	0
	BIKANER (PG)	3575	3575	2914	3018	2926	2997	645	22	3575	0

RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SOHL	ACTUAL	DEV	NOC	TRAS	
AEG4PL	100	5	43	5	8	7	5	2	5	0
AEG5PL	100	100	78	78	79	79	-6	4	100	0
AEG6PL	100	5	25	5	8	7	7	1	5	0
AGE25PL	300	24	87	24	42	47	146	3	24	0
ASEP1	320	320	292	299	294	324	47	25	320	0
ASE4PL	50	50	0	3	5	0	4	-3	5	0
KOLAYAT	550	550	481	520	515	526	70	6	550	0
MSUPL	250	250	210	200	190	219	80	18	250	0
NOKHRA	300	300	261	285	275	291	40	6	300	0
ABCR1	300	300	264	292	280	302	60	9	300	0
AHPPL	300	300	279	300	298	298	10	-2	300	0
BRAPL	300	14	14	14	29	30	50	14	14	0
GORBEA	300	14	132	14	29	18	8	1	14	0
RSRPL	190	190	172	173	167	182	29	9	190	0
KNSP 2	40	735	584	520	520	542	-7	22	735	0
BHADLA2 (PG)	4150	3188	2912	2729	2728	2887	394	119	2778	0

RE GEN	INS CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SOHL	ACTUAL	DEV	NOC	TRAS	
AAPL	100	64	64	62	60	64	25	7	64	0
GRAIN	100	64	62	62	60	65	25	7	64	0
OVERPL	100	64	64	62	62	65	24	3	64	0
AINA	335	335	130	190	190	212	32	23	335	0
KBNHPC	300	300	257	265	261	288	49	23	300	0
ASSPL	300	300	254	261	264	267	21	-4	300	0
SJVN	1000	790	473	519	493	539	41	69	790	0
KREPL	300	14	139	14	23	16	80	2	14	0
JCCPL	100	100	83	99	86	94	16	100	0	
JGCP1 BESS	25		0	0	0	0	0	6		0
JNEPL	50	3	21	3	8	17	8	14	3	0
SR4PL	168	168	118	140	139	155	-10	15	168	0
SR5PL	232	23	78	22	30	23	41	1	23	0
TPSB	300	14	87	14	25	15	4	0	14	0
ARTPL	110	110	83	82	82	0	1	82	110	0
TESPL	84.4	24	42	24	26	0	0	24	50	0
TGEPL	100	5	42	5	9	0	2	5	5	0
TSESP1	50	50	30	38	39	0	1	38	50	0
TSE51PL	55.6	22	22	22	23	0	2	22	22	0
BIKANER 2	3785	2433	2042	1878	1853	1857	353	-15	2150	0

TOTAL	SCHDL	NXT SOHL	ACTUAL	DEV
	17592	17435	17480	57

RE generation after tripping(14:05 hrs)

QCA	RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL MW	ACTUAL MW/HR	DEV	NOC	TRAS
EMSYS	ACME	250	250	218	203	193	197	18	-8	250	0
	AREJL	200	200	177	187	186	192	-8	8	200	0
	ASEARL	50	50	43	41	39	42	7	1	50	0
	ASERL	50	50	45	44	43	46	-7	2	50	0
	ASER2PH	150	150	149	144	141	150	-1	6	150	0
	CSPIF	250	250	236	240	232	228	35	-12	250	0
	CSFK	300	300	261	270	263	296	60	25	300	0
	RENEW	50	50	47	46	46	51	0	5	50	0
	SB ENERGY	200	200	174	179	172	170	147	-49	200	0
	SBEPL	300	300	293	300	300	319	-8	18	300	0
	TPREL	300	300	274	283	274	290	0	8	300	0
	APFFL	130	130	123	125	123	134	13	9	130	0
	AZURE	200	200	157	160	159	166	0	8	200	0
	AZUREMAPPLE	276	276	200	210	209	202	1	-7	276	0
	AZURE 41	300	300	278	288	278	288	37	-6	300	0
	MRPL	250	250	236	238	230	242	69	-7	250	0
	AMBUJA	150	300	296	292	296	301	15	9	300	0
	BHADLA (PG)	3406	3256	2799	3228	3149	3272	309	44	3956	0

QCA	RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL MW	ACTUAL MW/HR	DEV	NOC	TRAS
BMSYS	AVADA_RIMH	240	240	209	206	199	148	37	-61	240	0
	AVADA_SUNC	300	300	303	300	270	239	46	-7	300	0
	AVADA_SSTN	300	300	257	270	260	182	29	-88	300	0
	AVANA	300	300	282	270	260	284	72	14	300	0
	RSRPL	300	300	258	287	297	219	0	-44	300	0
	RSPLLEKH	250	250	206	196	191	123	123	-409	250	0
	TPGEL	225	225	189	193	186	118	-30	-28	225	0
	TPSL	110	110	89	98	94	95	4	-2	110	0
	TS1PL	300	300	261	263	265	258	24	-7	300	0
	ASEJ2L-P1	150	150	133	132	128	137	53	5	150	0
	ASEJ2L-P2	150	150	123	122	117	114	3	-8	150	0
	ARP3PL	300	300	192	270	260	274	73	4	300	0
	AZURE 43	600	600	422	466	430	421	90	-19	600	0
	BIKANER (PG)	2575	3575	2914	3018	2926	2320	601	-700	3375	0

RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL MW	ACTUAL MW/HR	DEV	NOC	TRAS	
AREHFL	AHEJ1L	390 (360+100)	390	344	370	362	363	5	-7	390	0
	AHEJ2L	300 (300+75)	300	250	280	280	257	40	-23	300	0
	AHEJ3L	300 (300+75)	300	243	273	273	209	40	-66	300	0
	ASEJ1L	450 (411+105)	450	379	435	435	341	64	-74	450	0
	AGE2PL	500	24	180	24	42	50	29	26	24	0
ASER2PL	180	123	160	160	160	160	-10	-4	180	0	
DB/IKOT	240	240	217	220	220	222	71	2	240	0	
EDEN	300	300	284	293	293	240	90	-38	300	0	
MAL	RNEWJB	300	300	251	276	270	289	31	13	300	0
	RSBP L	300	300	243	248	256	268	73	10	300	0
	RSUPL	300	300	264	278	270	141	48	-136	300	0
	SUPL	300	300	267	291	284	281	4	-10	300	0
FTGH2 (PG)	3860	3384	3036	3161	3147	2859	484	-301	3343	0	

RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL MW	ACTUAL MW/HR	DEV	NOC	TRAS	
BMSYS	AEG4PL	100	5	44	5	5	7	5	2	5	0
	AEG5PL	100	100	87	78	78	78	0	3	100	0
	AEG6PL	100	5	25	5	5	5	6	1	5	0
	AGE2SPL	500	24	87	24	42	27	148	3	24	0
	ASEPL	320	320	292	299	294	282	64	-17	320	0
	ASEJGPL	50	50	0	2	4	0	0	4	2	0
MAL	KOLAYAT	550	550	451	530	518	465	67	-68	550	0
	MSLPL	250	250	210	200	190	197	85	-3	250	0
	NOKHRA	300	300	261	288	278	270	38	-18	300	0
	ABCRL	300	300	284	292	280	66	21	-228	300	0
	AHPPL	300	300	279	300	296	296	11	-8	300	0
	ERAPL	300	14	14	14	25	30	58	19	14	0
MAL	GORBEA	300	14	132	14	26	15	0	0	14	0
	RSRPL	190	190	172	173	167	112	29	-61	190	0
	NNSP 2	400	736	594	520	520	227	-29	-293	736	0
	BHADLAZ (PG)	4150	3150	2912	2739	2729	2076	359	-444	2739	0

RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL MW	ACTUAL MW/HR	DEV	NOC	TRAS	
MAL	AHEJ4L	700(600+100)	700	514	617	618	645	22	-72	700	0
	DEOGARH	300	300	238	300	300	0	0	300	300	0
	DHOLPUR	300	300	266	300	300	0	0	-300	300	0
	PHALODI	300	300	256	300	300	0	0	-300	300	0
	RAISER	300	300	224	300	300	0	0	-300	300	0
	NIDAN(NT)	296	296	279	280	276	279	33	-1	296	0
FTGH1	2196	2196	786	2097	2093	824	52	-1272	2196	0	

QCA	RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL MW	ACTUAL MW/HR	DEV	NOC	TRAS
MAL	AXPPL	380	380	336	381	382	378	50	17	380	0
	NRSVPL	200	10	10	10	17	10	0	0	10	0
	RSJPL	210	10	10	10	18	10	4	0	10	0
	RSVPL	100	100	92	96	96	91	12	4	100	0
	RSPLL-FTG3	200	201	179	200	200	198	41	2	200	0
	RSAPL	300	300	282	290	290	0	0	-290	300	0
	XXPPL	400	19	170	19	34	19	40	0	19	0
	ABCRO2	200.8	5	0	13	22	66	66	93	13	0
	EPPL	300	69	40	2	4	4	3	1	3	0
	RSRPL	400	400	333	362	388	372	55	10	400	0
	RSRPL BESS			0	0	0	0	0	0	0	0
	FATENGARH 3	2190	1490	1502	1362	1386	1147	280	-220	1311	0

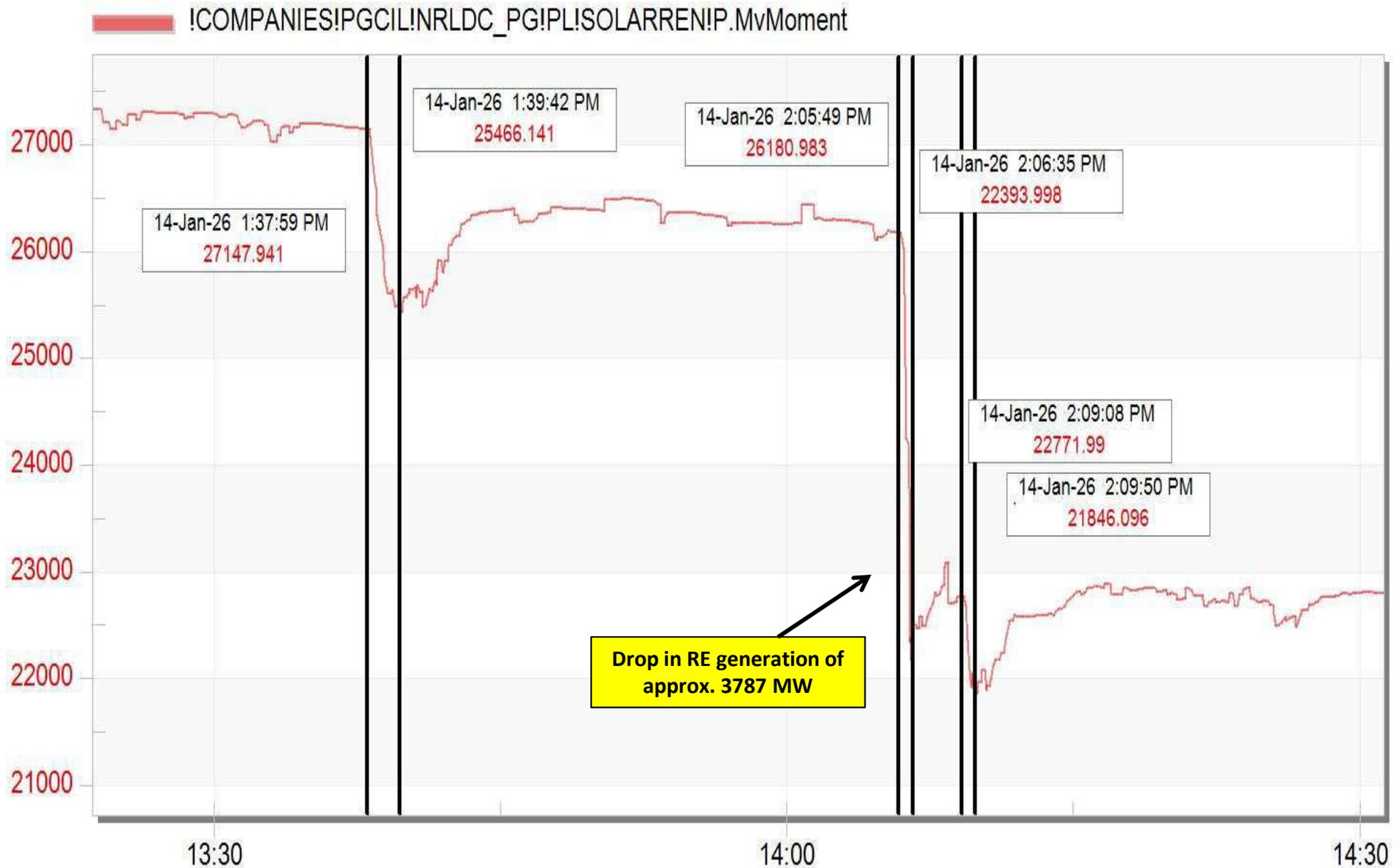
RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL MW	ACTUAL MW/HR	DEV	NOC	TRAS		
BMSYS	AAPL	100	64	64	30	40	66	26	8	64	0	
	GRAIN	100	64	64	30	40	43	25	6	64	0	
	OVEPL	100	64	64	32	32	33	25	7	64	0	
	AJNA	335	335	130	190	190	212	34	22	335	0	
	KMHPC	300	300	257	265	261	138	82	-127	300	0	
	ASSPL	300	300	264	261	264	284	21	-7	300	0	
	SJVN	1000	750	473	519	493	332	42	63	893	0	
	KREPL	300	14	139	14	23	16	164	2	14	0	
	JGCPL	100	100	83	89	86	93	22	0	100	0	
	JGCPLEBS	25	0	0	0	0	0	0	4	0	0	
	JNEPL	50	2	21	2	4	1	7	-2	2	0	
	SRJPL	168	168	118	140	139	168	8	18	168	0	
	SRJPL	232	23	78	22	30	22	18	-6	23	0	
	TPSE	300	14	87	14	28	14	7	1	14	0	
	ARTPL	110	110	83	82	82	5	-40	5	82	110	0
	TESPL	84.4	24	42	24	25	5	-40	5	24	90	0
	TGEP L	100	5	41	5	8	5	-40	5	5	0	0
TSESPL	50	50	30	38	39	5	-40	5	38	50	0	
TSES1PL	55.6	21	21	21	23	5	-40	5	21	21	0	
BIKANER 2	3785	2433	2082	1878	1883	1679	474	-269	2150	0		

RE GEN	Ins CAPACITY	Av. CAPACITY	FORECAST	SCHDL	NEXT SCHL	ACTUAL MW	ACTUAL MW/HR	DEV
ANTA	50	50	77	73	69	73	4	-4
AURAYV	40	40	24	23	21	23	0	1
DADRI	5	5	2	2	2	2	0	-6
SINGRAULI	15	15	7	9	8	0	0	-9
UNCHAHAR	10	10	4	5	5	3	0	-2

TOTAL	SCHDL	NEXT SCHL	ACTUAL	DEV
	17592	17439	14278	-2314

NR Solar generation during the event

Solar Generation



Drop in RE generation of approx. 3787 MW

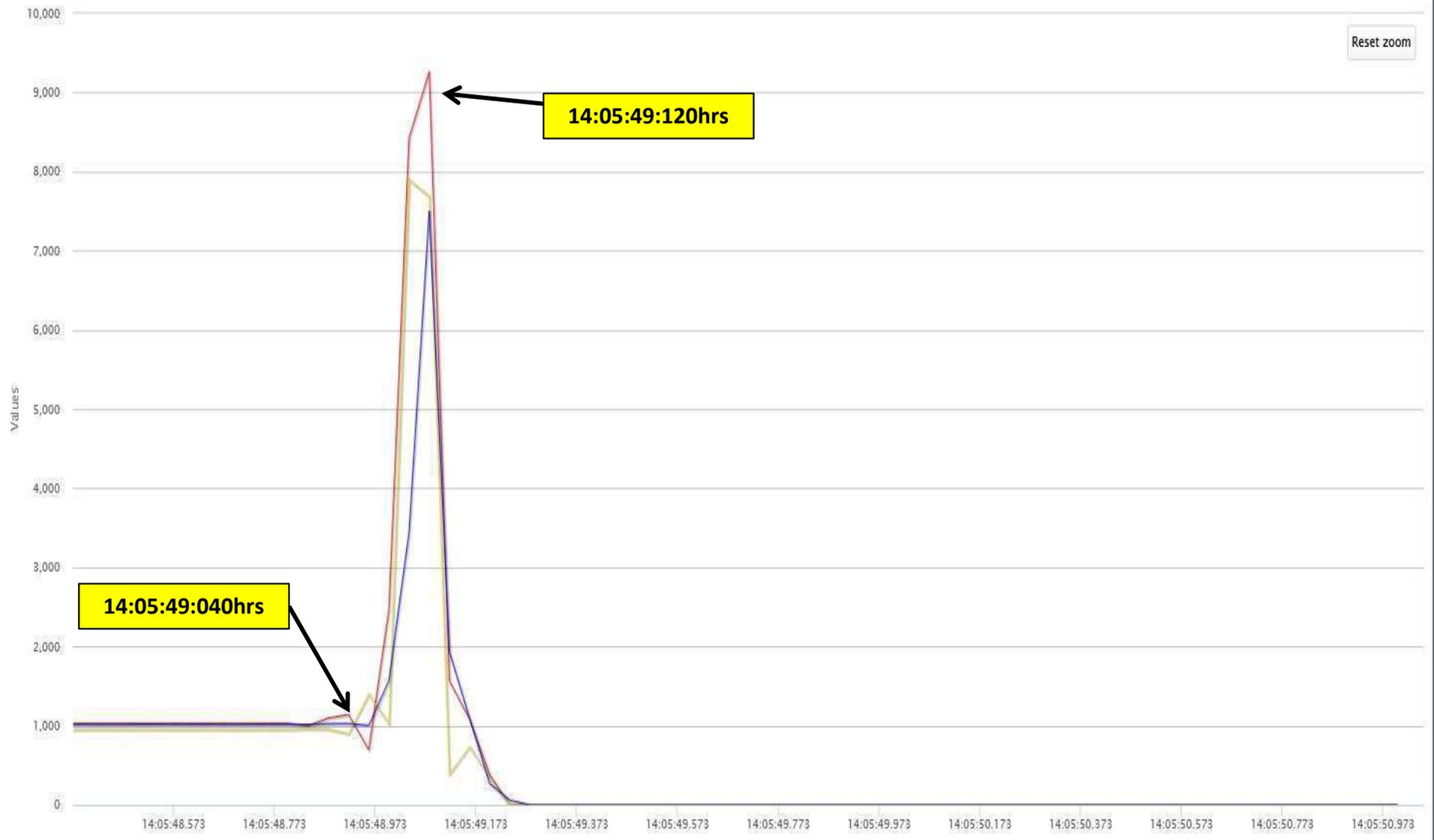
PMU Plot of frequency at 765kV Agra(PG)

14:05hrs/14-Jan-26

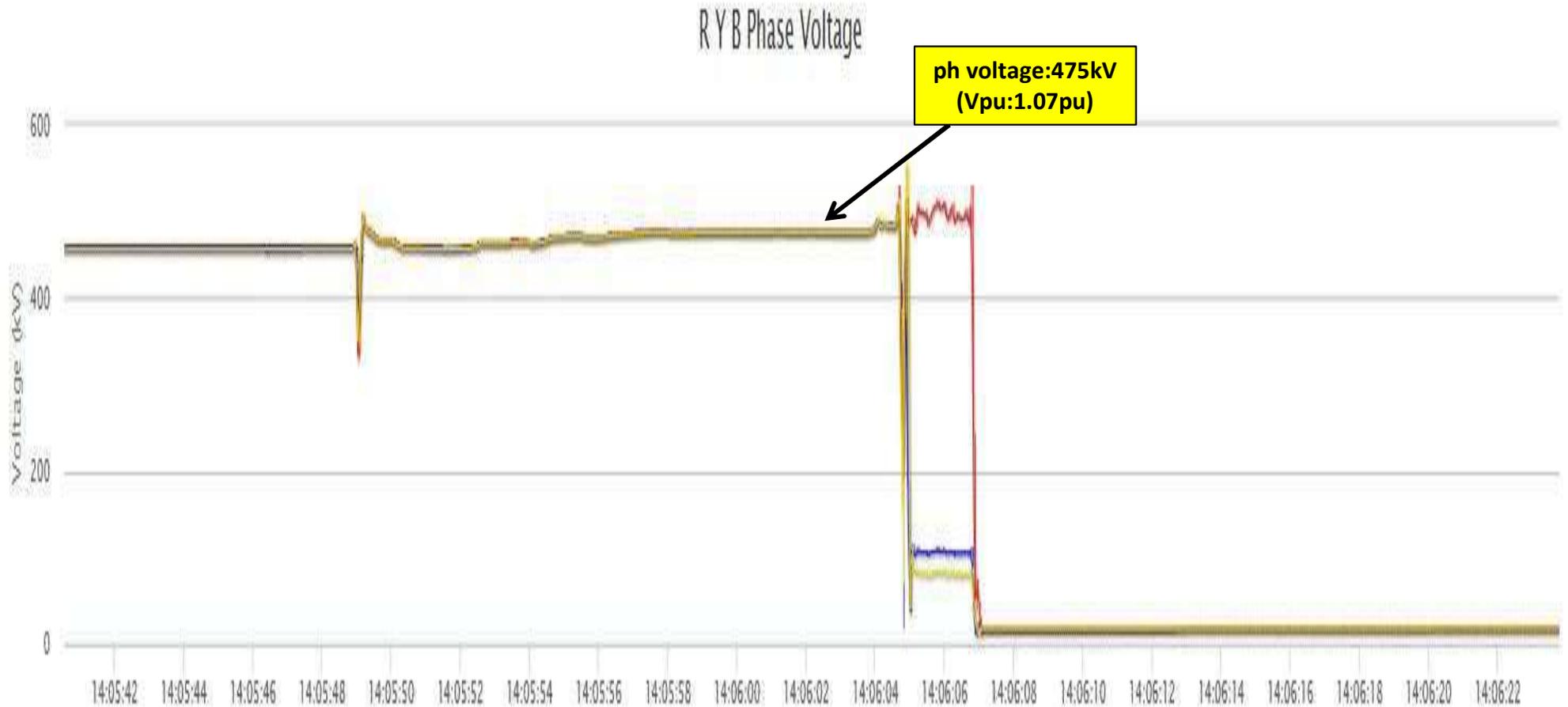


PMU Plot of phase current magnitude of 765kV Aligarh-Sikar2 line-I at Sikar2(PG) 14:05hrs/14-Jan-26

R Y B Current

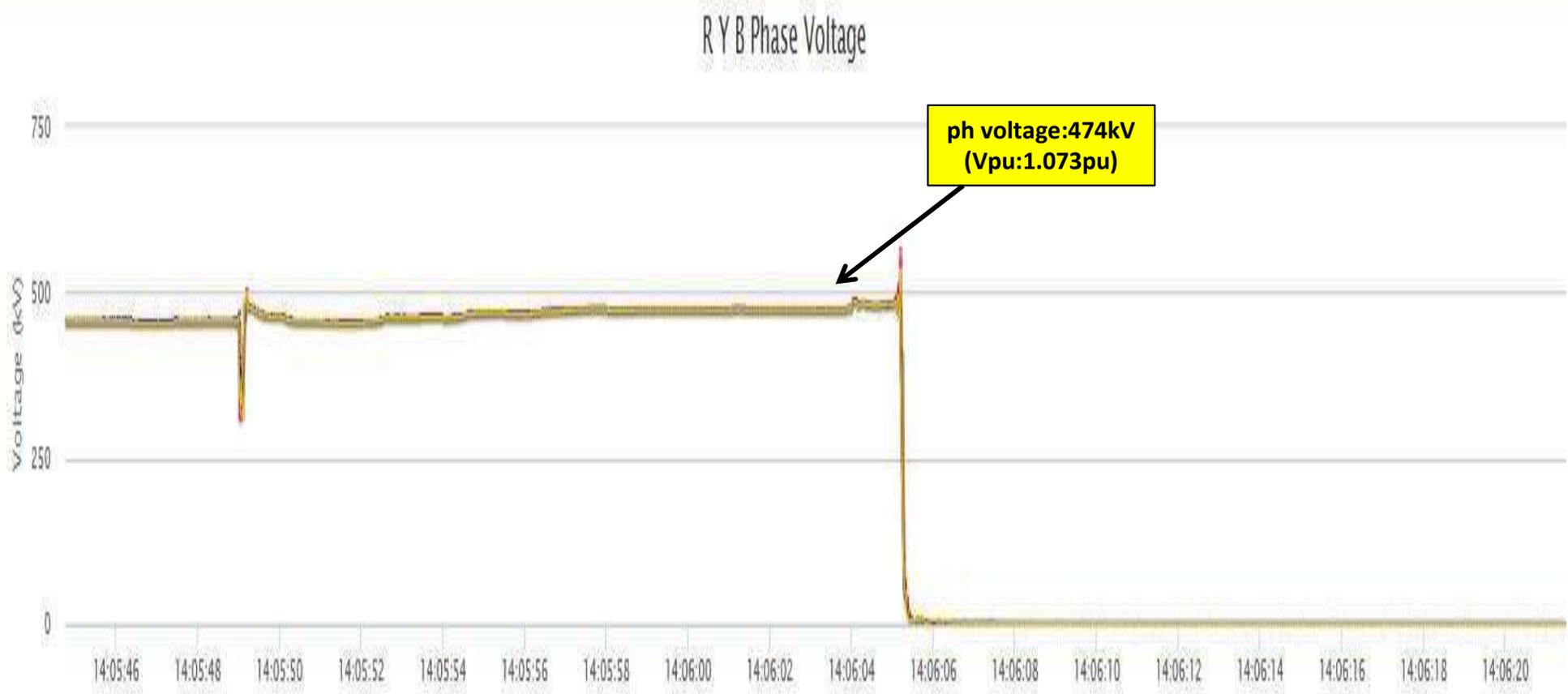


PMU Plot of phase voltage magnitude of 765kV Bhadla2-Bikaner line-1 at Bhadla2(PG) 14:06hrs/14-Jan-26



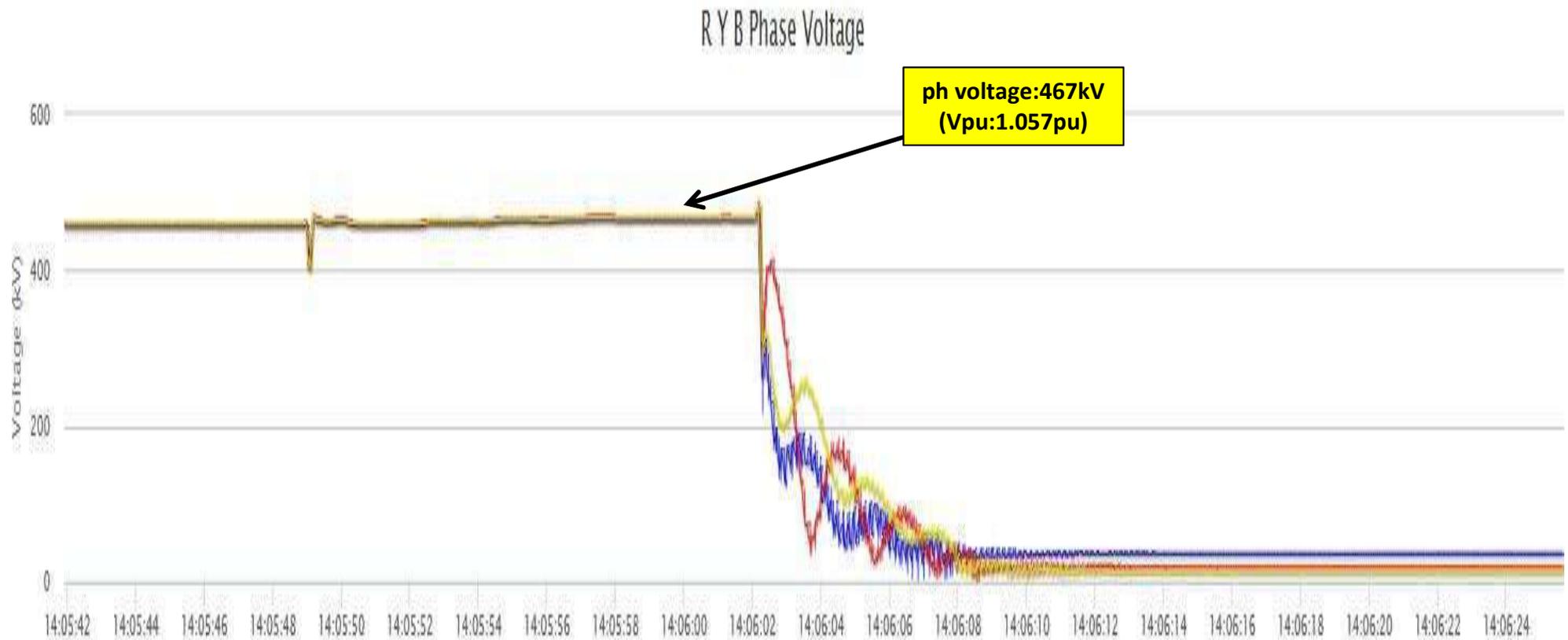
— VBM	— VRM	— VYM
SubstationId: BHDL2_PG	SubstationId: BHDL2_PG	SubstationId: BHDL2_PG
DeviceId: 765BHDL2BKNR71	DeviceId: 765BHDL2BKNR71	DeviceId: 765BHDL2BKNR71

PMU Plot of phase voltage magnitude of 765kV Fatehgarh2-Bhadla2 line-4 at Bhadla2(PG) 14:06hrs/14-Jan-26



— VBM	— VRM	— VYM
SubstationId: BHDL2_PG	SubstationId: BHDL2_PG	SubstationId: BHDL2_PG
Deviceld: 7658HDL2FTGR24	Deviceld: 7658HDL2FTGR24	Deviceld: 7658HDL2FTGR24

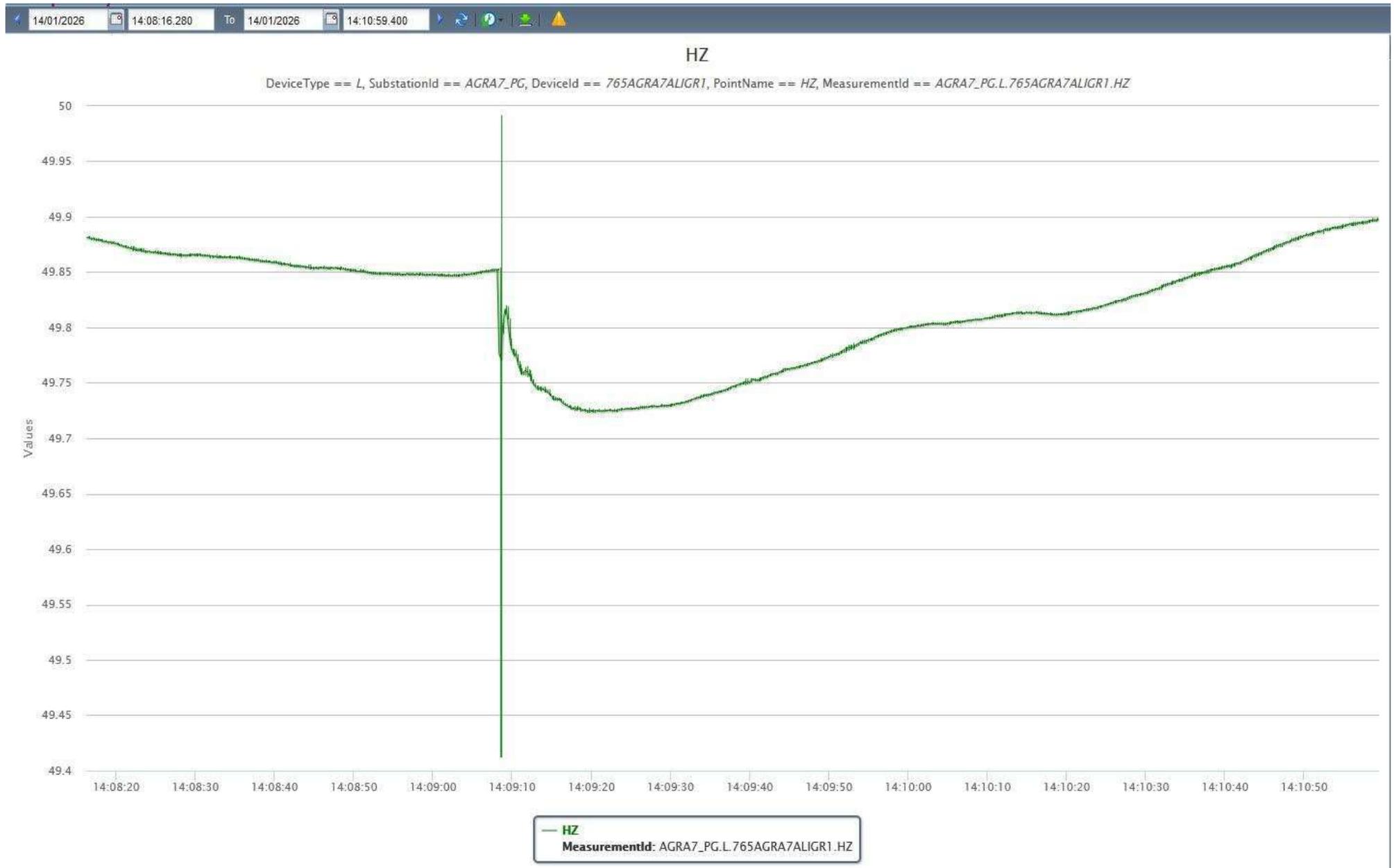
PMU Plot of phase voltage magnitude of 765kV Bhiwani-Narela line at Bhiwani(PG) 14:06hrs/14-Jan-26



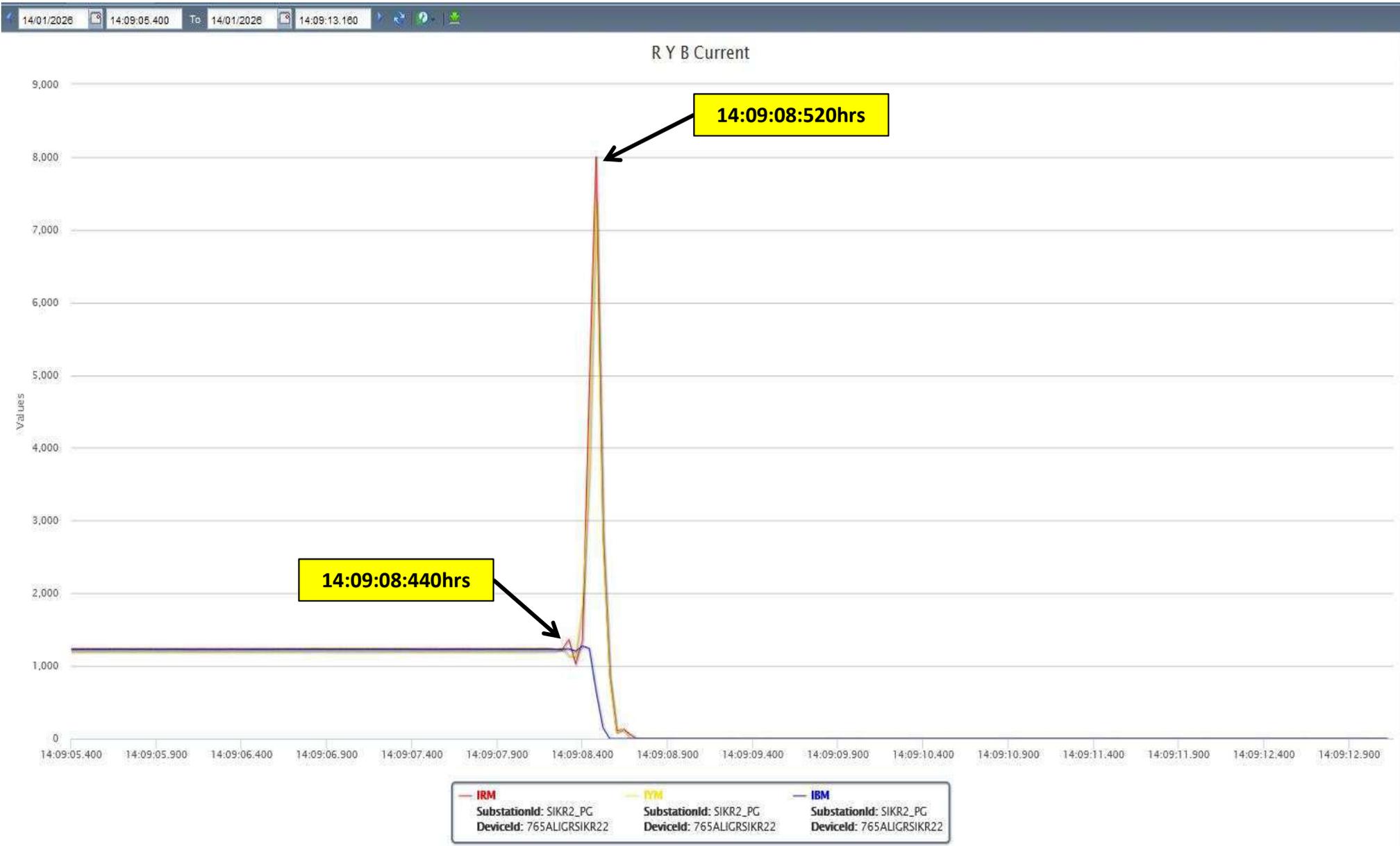
— VBM	— VRM	— VYM
SubstationId: BHIWN_PG	SubstationId: BHIWN_PG	SubstationId: BHIWN_PG
DeviceId: 765BHIWNNRELA1	DeviceId: 765BHIWNNRELA1	DeviceId: 765BHIWNNRELA1

PMU Plot of frequency at 765kV Agra(PG)

14:09hrs/14-Jan-26

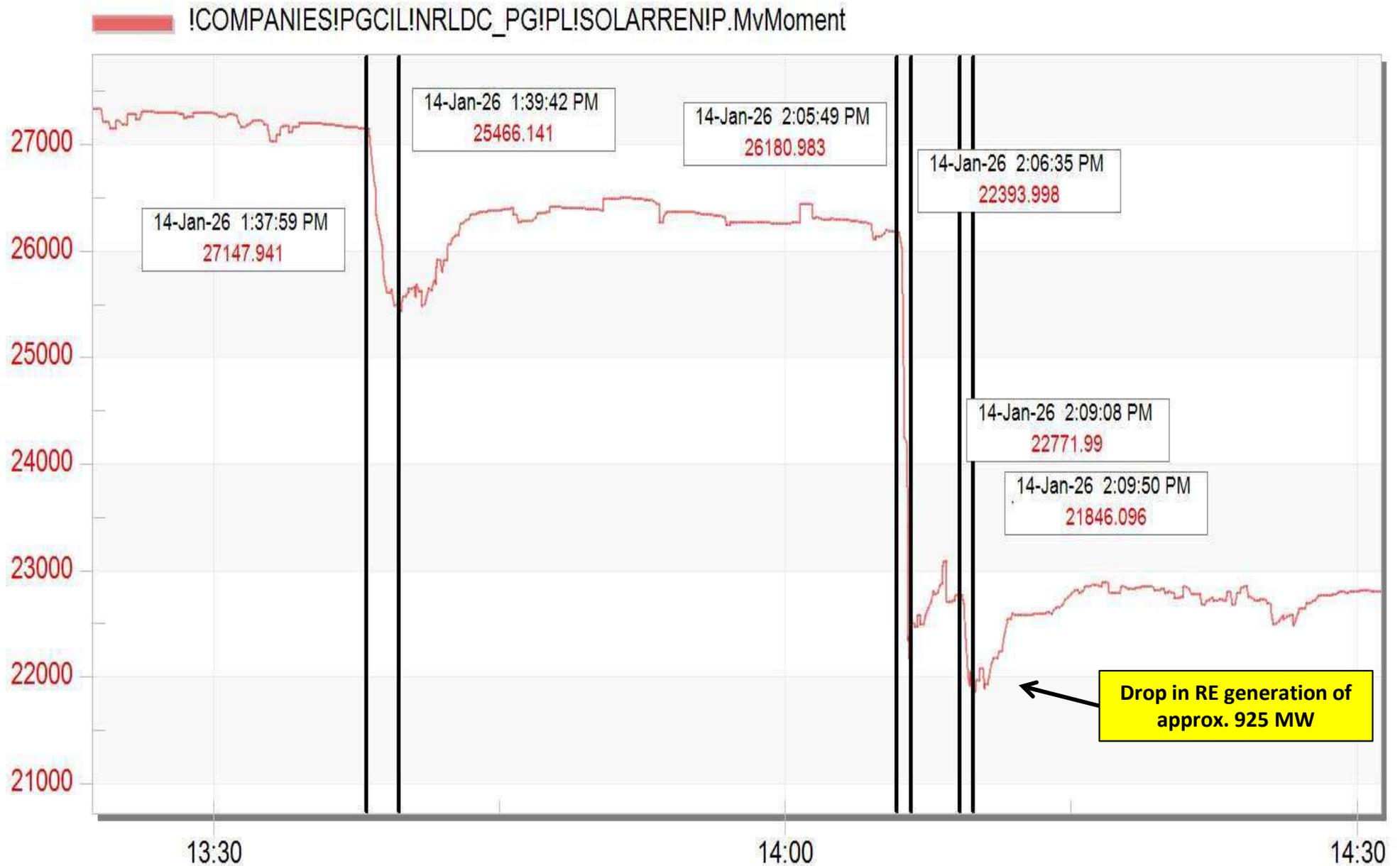


PMU Plot of phase current magnitude of 765kV Aligarh-Sikar2 line-II at Sikar2(PG) 14:09hrs/14-Jan-26



NR Solar generation during the event

Solar Generation



SCADA SOE

Sequence of Events							
Time	Station	Voltage Level (kV)	Path	CB Status	Remarks	RE Generation Affected	
13:38:02,639	PHGI7 RS	400	7BASSI1	Open	400kV Bassi-Phagi ckt-1 tripped on fault	1500 MW RE Generation Loss	
13:38:02,640	PHGI7 RS	400	8BASTIE1	Open			
13:38:02,650	BASSI PG	400	22PHAGI1	Open			
13:38:02,653	BASSI PG	400	23JA1PH1	Open	765 kV Bhadla2-Fatehgarh2 ckt 3 tripped on over voltage		
13:38:32,598	BHDL2 PG	765	14TIE	Open			
13:38:32,619	BHDL2 PG	765	13FTGR23	Open			
13:38:32,633	BHDL2 PG	765	SRFTGR23	Open			
13:38:32,660	FTGR2 PG	765	26TIE	Open			
13:38:32,661	FTGR2 PG	765	27BDLA23	Open	765 kV Aligarh - Sikar ckt 1 tripped on fault		Renewable Energy (RE) generation reduced by approximately 4100 MW. Out of this, about 2549 MW was recovered within 1 second.
14:05:49,075	SIKR2 PG	765	03ALIGR1	Open			
14:05:49,093	SIKR2 PG	765	02TIE	Open			
14:05:49,111	ALIGR PG	765	13SIKR21	Open	Tripping of RE plants	1500 MW RE generation loss observed.	
14:05:49,115	BKNR2 PG	220	03RENEW	Open			
14:05:49,117	RDUPL IP	220	03BKNR2	Open			
14:06:03,967	ACMEP IP	400	08TIE	Open			
14:06:03,967	ACMEP IP	400	09FBTL	Open			
14:06:03,998	FTHGR IP	400	07ACME	Open	765 kV Bhadla2-Bikaner I tripped on Over Voltage	Nil	
14:06:03,998	FTHGR IP	400	08TIE	Open			
14:06:04,712	BHDL2 PG	765	05TIE	Open	765 kV Bhadla2-Fatehgarh2 ckt 4 tripped on Over Voltage	Nil	
14:06:04,713	BHDL2 PG	765	06BKNR71	Open			
14:06:04,714	BHDL2 PG	765	SRBKNR71	Open			
14:06:04,747	BKNR7 PG	765	04BHDL21	Open			
14:06:05,180	BHDL2 PG	765	16FTGR24	Open	Tripping of RE plants connected at 400 kV level	Approximately 700 MW RE generation loss was observed.	
14:06:05,197	BHDL2 PG	765	SRFTGR24	Open			
14:06:05,219	FTGR2 PG	765	23TIE	Open			
14:06:05,228	FTGR2 PG	765	24BDLA24	Open	765 kV Bhadla2-Fatehgarh2 ckt 1 tripped on Over Voltage	Nil	
14:06:06,105	BIKNR IP	400	01BKNR71	Open			
14:06:06,105	BIKNR IP	400	02TIE	Open			
14:06:06,157	BKNR7 PG	400	15RENEW	Open			
14:06:06,158	BKNR7 PG	400	14RNWFUT	Open			
14:06:06,163	BIKNR IP	400	04RSRPL	Open	765 kV Bhadla2-Ajmer ckt 1 tripped on Over Voltage	Nil	
14:06:06,173	BIKNR IP	400	05TIE	Open			
14:06:06,173	BHDL2 PG	765	08TIE	Open			
14:06:06,730	BHDL2 PG	765	07FTGR21	Open	765 kV Bhadla2-Ajmer ckt 1 tripped on Over Voltage	Nil	
14:06:06,732	BHDL2 PG	765	21BDLA21	Open			
14:06:06,748	FTGR2 PG	765	20TIE	Open			
14:06:06,774	FTGR2 PG	765	04AJMER1	Open			
14:06:06,788	BHDL2 PG	765	02TIE	Open	765 kV Bhiwani - Narela tripped on Over Voltage, SOE not captured	Nil	
14:06:06,832	AJMER PG	765	03BHDL21	Open			
14:06:06,836	AJMER PG	765	SRAJMER1	Open			
14:06:06,936	BHDL2 PG	765					
14:06:06							
14:09:08,495	SIKR2 PG	765	06ALIGR2	Open	765 kV Aligarh - Sikar ckt 2 tripped on fault		
14:09:08,512	SIKR2 PG	765	05TIE	Open			
14:09:08,532	ALIGR PG	765	17TIE	Open			
14:09:08,536	ALIGR PG	765	16SIKR22	Open			

**Status of submission of FIR/DR/EL/Tripping Report
on NR Tripping Portal**

Time Period: 1st December 2025 - 31st December 2025

S. No.	Utility	Total No. of tripping	First Information Report (Not Received)		Disturbance Recorder (Not Received)	Disturbance Recorder (NA) as informed by utility	Disturbance Recorder (Not Received)	Event Logger (Not Received)	Event Logger (NA) as informed by utility	Event Logger (Not Received)	Tripping Report (Not Received)	Tripping Report (NA) as informed by utility	Tripping Report (Not Received)	Remark
			Value	%	Value		%	Value		%	Value		%	
1	ABC RENEWABLE_RJ01	1	0	0	0	0	0	0	0	0	0	0	0	Details received
2	AHEJ4L	1	1	100	1	0	100	1	0	100	1	0	100	DR, EL & Tripping report not submitted
3	ASEJOL	2	2	100	2	0	100	2	0	100	2	0	100	DR, EL & Tripping report not submitted
4	ASEPL	1	1	100	1	0	100	1	0	100	1	0	100	DR, EL & Tripping report not submitted
5	GORBEA SOLAR PRIVATE LIMITED(GSPL)	1	1	100	1	0	0	1	0	0	1	0	100	DR, EL & Tripping report not submitted
6	JUNA RENEWABLE ENERGY PRIVATE LIMITED(JREPL)	1	1	100	1	0	100	1	0	100	1	0	100	DR, EL & Tripping report not submitted
7	RENEW DINKAR URJA PRIVATE LIMITED (RDUPL)	1	1	100	1	0	100	1	0	100	1	0	100	DR, EL & Tripping report not submitted
8	RENEW SURYA JYOTI PRIVATE LIMITED(RSJPL)	1	0	0	0	0	0	0	0	0	1	0	100	DR, EL & Tripping report not submitted
9	SJVN GREEN ENERGY LIMITED	3	3	100	3	0	100	3	0	100	3	0	100	DR, EL & Tripping report not submitted
Total in NR Region		12	10	83	10	0	83	10	0	83	11	0	92	

As per the IEGC provision under clause 37.2 (c), detailed tripping report along with DR & EL has to be furnished within 24 hrs of the occurrence of the event