



TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Vidyut Soudha :: Vijayawada.

(A Government of Andhra Pradesh Undertaking & An ISO 27001-2022 Certified Company)

CIN:U31909AP1998SGC107226 :: Web site address: [www.aptransco.gov.in](http://www.aptransco.gov.in)

**Office of  
Joint Managing Director (HR & Admin)  
APTRANSCO, Vidyut Soudha, Vijayawada.**

Circular Memo.No.2147/JMD(HR)/CE(PIng, PS)/SE(PS)/EE(SP&SPCC)/DEE-4/  
F.72/Dt. 08-12-2025.

**Sub:** APTRANSCO – System Protection – Implementation of General Guide lines on event reporting in APSPECTRA Portal – Instructions – Regarding.

**Ref:** 1)Lr.No.CE/PIng,PS/SP/14/F.APSPECTRA(89)/D.No.344/25,Dt.15-11-2025  
2) Minutes of Technical committee meeting held on 01-12-2025.

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1. The IT wing of APTRANSCO has developed a tripping portal namely APSPECTRA (“**AP**transco **S**ystem tripping **P**ortal for **E**fficient and **C**ontinuous **T**RAnsmiSSion”)to digitize the tripping data for easy analysis of Grid Disturbances & Grid Incidents, for repository of tripping events, to minimize the paper correspondence, to strengthen the communication between field units & headquarters and ensure timely updation of data.
2. General Guide lines on entry of accurate data and time lines for event reporting in APSPECTRA are as follows.
  - i) **Role of APSLDC:** APSLDC staff shall upload the tripped elements data during the day in the portal by 06:00AM of following day.
  - ii) **Role of Engineer in-charge of Sub-Station: PIR (Preliminary Information Report)** of corresponding element at Sending end & Receiving end Sub-stations shall be entered by the Engineers in-charge at their respective Sub-stations with in time line specified in Table-02.The PIR data to be entered by respective Engineers at various substation levels is prescribed in following **Table-01.**

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**TABLE-01**

Sl.No	Sub-Stations	PIR to be entered by
1	400/220KV	Deputy Executive Engineers/Shift/In charge of SS
2	220/132KV (or) 220/33KV (or) 220/11KV	Deputy Executive Engineers/Shift/In charge of SS
3	220/132KV (or) 220/33KV (or) 220/11KV	Assistant Executive Engineers/Maintenance /In charge of SS (In case of non-availability of Dy.EE/Shift)
4	132/33KV	Assistant Executive Engineers/Maintenance/In charge of SS

iii) **Role of Deputy Executive Engineers/Maintenance:** The Concerned Deputy Executive Engineers/Maintenance shall ensure the uploading of PIR at their respective Sub-stations with in time line specified in Table-02.

**TABLE-02: Event report Submission Time lines**

Sl.No	Grid Event (Classification)	Grid Event (Description)	PIR Submission Time line	DR/EL Submission Time line (from PIR submission time line)	Detailed report Submission Time line (from DR/EL submission time line)
1	SLT	Single line tripping	48 hours	+7 days	+3 days
2	PTRP	All PTRs tripping	48 hours	+7 days	+3 days
3	MULT	Multiple trippings	48 hours	+7 days	+5 days
4	GI	Grid Incidents (Without load loss/Bus outage)	48 hours	+7 days	+7 days
5	GD	Grid Disturbance (With load loss)	48 hours	+7 days	+10 days

iv) **Role of System Protection wing:** After analyzing the tripping incident based on PIR by the system protection wing on immediate working day, the category of tripping (Correct operation/Failure operation/Unwanted operation) will be updated against each tripping in APSPECTRA portal, remarks will appear at “HQ Analysis” tab and the DR/EL/Detail Report points will be enabled for the Failure /Unwanted category of tripping by the System Protection wing only.

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- v) **Role of Deputy Executive Engineers/MRT:** If the **DR** (Disturbance Recorder) and **EL** (Event Logger) circular icon buttons are highlighted in red, the respective Deputy Executive Engineers/MRT at the sending-end and receiving-end substations shall upload the corresponding DR and EL files within the timeline specified in Table-02.
- vi) **Role of Executive Engineers/MRT & Executive Engineers/O&M:** If the **Detailed Reports** circular icon buttons are highlighted in red, the detailed reports for the corresponding element at the sending-end and receiving-end substations shall be uploaded to the APSPECTRA portal within the timeline specified in Table-02. These reports must be duly authenticated by an officer of a rank not below Executive Engineer (MRT & Transformers) or Executive Engineer (O&M).
- vii) **Role of System Protection wing:** System Protection wing shall analyze the DR/EL/Detail reports and shall verify whether the remedial action is completed or not. After the remedial action is completed by the concerned field Engineers, the tripping event will be closed.
- viii) In case of Non-APTRANSCO remote end Substations viz, **Gencos, solar generators, wind generators, PGCIL, NTPC, Railways, IPPs, interstate lines, etc.** PIR data/DR/EL shall be collected and entered by the concerned APTRANSCO field Engineer in-charge of Sub-Station only.
- ix) The Escalating mechanism for non-updation of PIR is specified at Table-03.

**Table-03:Escalating mechanism for non-updation of PIR**

Sl.No	PIR to be entered by	Time line from addition of element in APSPECTRA portal	SMS Notification	Blocking of Login ID	Explanation for non-compliance
1	AEEs/Maintenance (or) Dy.EEs/Shift	48 hrs	AEE/M, Dy.EE/Shift, Dy.EE/M & EE/O&M	AEE/M (or) Dy.EE/Shift login will be blocked after 48 hrs	Explanation shall be submitted by AEE/M (or) Dy.EE/Shift
2	Dy.EEs/Maintenance	+24 hrs	AEE/M, Dy.EE/Shift, Dy.EE/M & EE/O&M	Dy.EE/Maintenance login will be blocked after 72 hrs	Explanation shall be submitted by Dy.EE/M
3	EEs/O&M	+24 hrs	AEE/M, Dy.EE/Shift, Dy.EE/M & EE/O&M	EE/O&M login will be blocked after 96 hrs	Explanation shall be submitted by EE/O&M

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3. The concerned are directed to adhere to above instructions scrupulously without any deviations.

Encl: Minutes of Technical committee meeting held on 01-12-2025.

**G SURYA SAI PRAVEENCHAND, I.A.S**  
**Joint Managing Director (HR & Admin)**

**To**

The Chief Engineer/Zone/Kadapa.  
 The Chief Engineer/Zone/Vijayawada.  
 The Chief Engineer/Zone/Visakhapatnam.  
 The Chief Engineer/APSLDC/VS/Vijayawada.  
 The Chief Engineer/Telecom & IT/VS/Vijayawada.  
 The Chief Engineer/Planning, Power Systems/VS/Vijayawada.  
 The Chief Engineer/Transmission/VS/Vijayawada.

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