

PERFORMANCE IMPROVEMENT SCHEME (PIS) FOR REGISTERED EARTHWORKS SUPERVISOR (RES)
LIST OF VIOLATIONS & PENALTIES

ITEM	VIOLATION		PENALTY
1		<p>Unsupervised / Supervised earthworks which resulted in the damage of:</p> <p>i) 400kV / 230kV / 66kV Electricity Cable**</p> <p>ii) 22kV / 6.6kV Electricity Cable**</p> <p>iii) LV Electricity Cable***</p> <p>iv) Gas Transmission Pipeline (3 bar (TG) / 28 bar / 40 bar)</p> <p>v) Gas Medium Pressure Pipeline (3 bar – 7 bar)</p> <p>vi) Gas Low Pressure Pipeline (0.5 bar and below)***</p>	<p>i) Revocation of RES pass for 1 Year</p> <p>ii) Damage causing either a Supply Outage or Voltage Dip: Revocation of RES pass for 6 months</p> <p>Damage not causing a Supply Outage or Voltage Dip: 20 demerit points</p> <p>iii) Damage causing either a Supply Outage or Voltage Dip: 15 demerit points</p> <p>Damage not causing a Supply Outage or Voltage Dip: 10 demerit points</p> <p>iv) Revocation of RES pass for 1 Year</p> <p>v) Damage causing either a Supply Interruption or Leak: Revocation of RES pass for 6 months</p> <p>Damage not causing a Supply Interruption or Leak: 20 demerit points</p> <p>vi) Damage causing either a Supply Interruption or Leak: 15 demerit points</p> <p>Damage not causing a Supply Interruption or Leak: 10 demerit points</p>
2	A)	Attempt by RES to tamper or repair damaged Electricity Cable** / Gas pipe	A) Revocation of RES Pass for 1 year
	B)	Failure to ensure LCDW marked out all detected electricity cable** locations at site before any earthwork	B) 10 demerit points
	C)	Supervised mechanical excavation / piling works without referring to LCDW's Detection Drawing & SPPG Cable / Gas plan and records of trial holes dug according to LCDW's recommendations	C) 20 demerit points
	D)	Allowed REO to dig with a mechanical excavator beyond the premix / hard core surface layer	D) Suspension of RES Pass for 3 months
	E)	Failure to ensure that trial holes are manually dug (with due care & diligence) according to the LCDW's recommendations to a size of minimum 1m by 1m with minimum depth of 1m or until the Electricity Cable** PVC or Concrete Slab are exposed	E) 20 demerit points
	F)	Supervised REO / worker to excavate beyond the level of Electricity Cable** /Gas pipe ID Marker / PVC or Concrete Slab without SPPG's consent	F) Suspension of RES Pass for 1 year
	G)	Failure to report to SPPG – Electricity Service Centre on any discovery of Electricity Cable** damage or to Gas Customer Service Centre on any discovery of Gas pipe damage	G) 10 demerit points
	H)	Failure to monitor worksite operations for the entire duration of any earthworks	H) 15 demerit points
3	A)	Tampering with RES Pass / Transferring RES Pass for others to use	A) Revocation of RES Pass for 1 year
	B)	Using expired RES Pass	B) Suspension of RES Pass renewal for 3 months

	C)	Failure to report loss of RES Pass to SP PowerGrid Ltd	C) 10 demerit points
	D)	Unable to show RES Pass on request	D) 10 demerit points
4		Accumulation of 25 demerit points within 12 months	Suspension of RES Pass for 6 months
5		Committed Two Violations on separate incidents within 6 months	Suspension of RES Pass for 6 months*

Last revised on 4 Nov 2022

Note: When a pass is revoked, retraining and application for a new pass is only allowed after the period of revocation.
* RES is required to complete serving the suspension period for the prior violation(s) before serving the suspension period for this violation.
This penalty is not applicable if the RES pass is revoked for the second violation.

**Under the Electricity Act (Chapter 89), “electricity cable” means a length of insulated single conductor or of 2 or more such conductors, whether or not the conductor or conductors are provided with an overall covering for mechanical protection, and —
(a) all other apparatus or devices connected to the conductor or conductors, as the case may be (including by any remote or wireless means); and
(b) any data communication cable used to monitor or control the transmission of electricity.

***Applicable to an RES whose employer is served Letter of Requirements from SP PowerGrid Ltd stating the requirement to provide an RES to supervise earthworks within the worksite. It is also applicable to an RES where there is a LV electricity cable within 3m of HV voltage electricity cable, gas low pressure pipeline within 3m of gas medium pressure pipeline or within 5m of gas transmission pipeline.