

**GOVERNMENT OF ODISHA  
DEPARTMENT OF ENERGY**

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RR-35/19

From

Sri Sangram Keshari Swain,  
Special Secretary to Govt.

To

The Chief Executive Officer,  
CESU, Bhubaneswar /  
Director (Operation),  
OPTCL, Bhubaneswar /  
Authorized Officer,  
SOUTHCO / WESCO / NESCO.

**Sub: - POA (Plan of Action) and protocol restoration of Power Supply.**

Sir,

On the above cited subject, I am to reiterate the following SoPs for early restoration of power supply.

Soon after the cyclonic storm subsides, physical damage may be assessed in the first stage by eye estimation by visiting the affected areas.

This will give broad information about the voltage level wise length of line damage (in terms of spans / Kms etc) transforms tuppel down / damaged, substation structural damage / submerged. The further refinement shall be made after thorough inspection. Accordingly the damage can be categorized with respect to different voltage level lines and substations as per below.

• **Line Damage**

- a) 33 KV – Poles, Conductors, Insulators, Stays etc.
- b) 11 KV – Poles, DPs, Conductors, Insulators, Stays etc.
- c) LT line – Poles, Conductors, AB cables, Insulators, Stays etc.

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- **Sub-station Damage**

- a) 33/11 KV Sub-station

- i) Civil damage,
- ii) Transformer & Switchgear damage
- iii) Structural damage

- b) **DTR S/s**

- i) DP damage,
- ii) Transformer damage
- iii) DP accessories damage

➤ **Plan of action (POA) for restoration**

- On testing, if the lines & equipments are found healthy, then they are to be charged step by step from 33 KV line to LT line.
- For test of the lines / Sub-stations, after completion of restoration / repair work at affected locations, the same shall be checked & charged as per the procedure.
- In case of availability of power in nearby area from same source and from where supply restoration is easy than from restoring the original network, the work of extending power temporarily from available source shall be taken up.
- If required, Work Order or LOI (Letter of Intent) shall be issued to enlisted contractors (s) to gear up the work at affected areas for early restoration of power supply. If necessary, number of contractors / gangs shall be increased depending upon increased volume of devastation with prior approval of Authorized Officer / Director (Operation), OPTCL.
- Materials shall be arranged & released on war footing basis for use in the field.
- Plan to be prepared for early restoration of power supply in respect of District Head Quarters, Block Head Quarters, Gram Panchayats & for all the villages affected in the descending priority order. Accordingly action shall be initiated for restoration of power supply.

  
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➤ **Restoration Protocol**

- 220/132/33 KV grids S/s are to be kept in touch to restore 33 KV feeders which are cleared for restoration.
- Immediately after the cyclone, priority shall be given to restore 33 KV power supply up to 33 / 11 KV Substations.
- Subsequently priority should be given for restoration of 11 KV feeders, DTRS and then LT lines.
- Priority should be given for resumption of power supply to emergency units like Hospitals, Water Supply, Communication & Broadcasting Station / Network, District Headquarters, Sub-division Headquarters, Railways, Relief camps, etc.
- If the intensity of damage is more, staff will be diverted from nearing Division and Sub-division / elsewhere for early restoration of power.
- Minimum relevant materials alongwith T&Ps shall be kept ready at all the stores / sub stores / temporary emergency store for immediate mobilization after disaster.

Yours faithfully,

  
04.5.19

Special Secretary to Govt.