

SCOPE OF WORK: The scope of work includes Execution of balance works of 33KV Niglok-Koyu and 33KV Napit-Koyu Lines under ARP-DMS-01B package of Comprehensive Scheme of Arunachal Pradesh as per Bill of Quantity and Instructions of Engineer In charge.

Scope /TS / Drawings for the Pole foundation rectification work under ARP-DMS-/01B package under Pasighat Jurisdiction-

| Sl. No. | Foundation depth | Reference Drawing | Remarks |
|---------|---|---|---|
| Case-1 | Standard depth 2 mtr | Approved Drawing approved in ARP-DMS-01A attached as Annexure-‘A’ | Referenced drawings have been taken from approved e-note- 566645 of package ARP-DMS-5C (attached in local reference) |
| Case-2 | Existing Depth between 1.5 mtr to 2 mtr | Drawing attached as Fig-(i) of Annexure-‘B’ | |
| Case-3 | Existing Depth between 1.2 mtr to 1.5 mtr | Drawing attached as Fig-(ii) of Annexure-‘B’ | |
| Case-4 | Existing Depth below 1.2 mtr | Approved Drawing approved in ARP-DMS-01A attached as Annexure-‘A’ | |

- General Technical details regarding pole foundation of LOA of ARP-DMS-01A.- Attached as **Annexure-‘D’**

Detailed case wise proposed foundation rectification work is as given below: -

1) Case-I:- Rectification of Pole foundation having Existing Depth of standard 2 mtr but concreting not up to the full depth or not as per relevant approved dimensions:-

Proposed Drawing Ref No.:- Drawing attached as Annexure-‘A’

Proposed Scope of Work/TS/SOP:

(i) Holding the pole through JCB/Hydra /Manual Support through stay wire/ropes/Bamboos as required for safe excavation as per site condition.

(ii) Excavation of soil near base of the foundation as per relevant referenced drawing (a).

(iii) Shuttering and concreting of the Pole foundation (1:3:6) after proper straightening through spirit level.

(iv) Keep the wire/ropes/Bamboos till the standard settling time of concrete.

(v) Muffing of the Pole PCC (1:2:4) after pole foundation completed as per referenced drawing (a).

Minimum Foundation concrete Dimension = 600X600X2000 mm.

2) Case-II:- Rectification of Pole foundation having Existing Depth between 1.5 mtr to 2 mtr but concreting not up to the full depth or not as per relevant approved dimensions: -

Proposed Drawing Ref No.:- Drawing attached as Fig-(i) of Annexure-‘B’

- (i) Holding the pole through JCB/Hydra /Manual Support through stay wire/ropes/Bamboos as required for safe excavation as per site condition.
- (ii) Excavation of soil near base of the foundation as per relevant referenced drawing (a).
- (iii) Shuttering and concreting of the Pole foundation (1:3:6) after proper straightening through spirit level.
- (iv) Keep the wire/ropes/Bamboos till the standard settling time of concrete.
- (v) Muffing of the Pole PCC (1:2:4) after pole foundation completed as per referenced drawing (b).

Foundation Dimension = (L=1100mm) X (W=1100mm) X (H=1500mm or till FGL whichever is higher) mm.

3) Case-III:-Rectification of Pole foundation having Existing Depth between 1.2 mtr to 1.5 mtr but concreting not up to the full depth or not as per relevant approved dimensions: -

Proposed Drawing Ref No.:- Drawing attached as Fig-(ii) of Annexure-‘B’

- (i) Holding the pole through JCB/Hydra /Manual Support through stay wire/ropes/Bamboos as required for safe excavation as per site condition.
- (ii) Excavation of soil near base of the foundation as per relevant referenced drawing (a).
- (iii) Shuttering and concreting of the Pole foundation (1:3:6) after proper straightening through spirit level.
- (iv) Keep the wire/ropes/Bamboos till the standard settling time of concrete.
- (v) Muffing of the Pole PCC (1:2:4) after pole foundation completed as per referenced drawing (c).

Foundation Dimension = (L=1400mm) X (W=1400mm) X (H=1200mm or till FGL whichever is higher).

4) Case-IV: - Rectification of Pole foundation having Existing Depth less than 1.2 mtr or not as per relevant approved dimensions: -

Drawing Ref No.:- Standard approved LOA Drawing attached as Annexure-‘A’

- (i) Dismantling of Pole foundation completely and retrieve the same in good condition.
- (ii) Excavation of soil near existing foundation as per referenced drawing (a)/(b)/c as per site requirement based on ground /road crossing clearance.
- (iii) PCC as per approved drawing.
- (iv) Erection of Pole after PCC and concreting after shuttering work.

Note:

(i) De-stringing of conductor/Re-stringing of conductor/OPGW in Case-III and if required in Case-I and Case-II for safe rectification work will be carried out by POWERGRID through Departmental gangs.

(ii) Dismantling charges will be payable in Case-III or in any other case as per actual site condition at the time of execution where complete dismantling of pole and retrieving the same in good condition is to be carried for re-erection at nearby places or at the same place.

(F) In Case 1, 2 and 3, the bottom PCC will not be possible to be provided, if it is not there already.

(G) Submitted for kind technical and administrative approval of the competent authority please.