

Central Railway



Headquarters Office  
S&T Department  
CST Mumbai.

No.AS/Conf/2021

8<sup>th</sup> June 2021

**CVO(S&T)**  
**C.Rly.**

**Sub:** System Improvement regarding depth of signalling cables.

**Ref:** Your Office L.No.G.130/2020/09/00900/V5/V.Con. dt.04.06.2021.

The system improvement regarding depth of signalling cable is very valid. However, this point is well taken care of in the SOR issued by this office on date 05.01.2021. The Item Bo.81 & 82 of SOR Part 2 is attached for further reference.

This issue including the SOR is being further reiterated to all field officers for compliance.



*Amrendra Singh*  
08/06/2021.  
( **Amrendra Singh** )  
CSTE(Proj)CRly.

<b>Cable Laying</b>			
81	<p>Excavation of cable trench as per cable route plan, 1.0 mt. deep and 300mm wide along side the track in normal soil/strata, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid in trench by loose soil for a layer of 50mm thickness after clearing of route, bushes etc. It shall be ensured that top of the cables laid is at a depth of 0.8 m or more. If it is less, then the width and depth shall be suitably increased and accordingly proportionate payment shall be made. In case depth of trench is not achievable due to site conditions, proportionate payment will be made as per procedure. The work shall be done as per the extant practice on Central Railway and instructions of Railway Engineer at site.</p> <p><b>Drg No SK 805</b></p>	CU.Meter	350.00
82	<p>Excavation of cable trench as per cable route plan, 1.0 mt. deep and 300mm wide along side the track in hard soil, conforming to distances as per cable route plan and refilling after cable laying. This work includes covering of cable laid in trench by loose soil for a layer of 50mm thickness after clearing of route, bushes etc. It shall be ensured that top of the cables laid is at a depth of 0.8 m or more. If it is less, then the width and depth shall be suitably increased and accordingly proportionate payment shall be made.</p> <p>In case depth of trench is not achievable due to site conditions, proportionate payment will be made as per procedure. The work shall be done as per the extant practice on Central Railway and instructions of Railway Engineer at site.</p> <p><b>Drg No SK 805</b></p>	CU.Meter	583.33
83	<p>Cutting of all types of Roads/ platforms (except concrete type) for trenching and excavation to depth of 300mmx300mm wide approx. and refilling after laying of RCC/GI /DWC pipe &amp; to restore them to original condition. The work shall be done as per extant practice on C.Rly &amp; instructions of Rly engineer at site. <b>Drg No SK-807</b></p>	CU.Meter	2916.67



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**Sr.DSTE(Co)BB, NGP**  
**Sr.DSTE BSL, PA, SUR**

**Sub:** System Improvement regarding depth of signalling cables.  
**Ref:** CVO(S&T)C.Rly.'s L.No.G.130/2020/09/00900/V5/V.Con.  
dated 04.06.2021.

CVO(S&T) vide letter mentioned above has stated that as per SEM1 Part I & Part II , the signalling cable should be buried at a depth of atleast .8 meter (minimum) for the cables which are parallel to track and 1 meter from rail flange for track crossing.

In view of above following should be added in the schedule of cable laying in all future cable laying.

**“When large number of cables are to be laid in the trench, the depth and width of trench may be increased suitably to ensure that the top most cables get buried at a depth not less than that required as per SEM (i.e.0.8 metre from ground level for cables laid parallel to track and 1.0 metres below rail flange for cables laid across the track).”**

This is already included in SOR/Part B Item No.81 & 82. Please ensure the tender schedule are made as per SOR which already have the above para.

अमरेंद्र सिंह

Date: 2021.06.08  
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( **Amrendra Singh** )  
CSTE(Proj)CRly.