

# TRACTION INSTALLATION

## RESEARCH DESIGN & DEVELOPMENT

### Pre-cast & Cast-in-situ Cylindrical Foundation

In order to improve quality and to speed up progress, Drawing No. TI/DRG/CIV/PRECAST/HOLLOW/RDSO/00001/18/0 for pre-cast cylindrical hollow foundation has been issued vide letter no. TI/CIV//MFNDS/18 dtd. 28.05.2018. Clearance for 'Pre-cast & Cast-in-situ Cylindrical Foundation usage' in Railway Electrification work has been issued to all zonal Railways vide this office letter no. TI/CIV/MFNDS/2018 dated 08.06.2018.



**Precast Foundation In-Situ cylindrical Foundation**

### Development of Automatic Switched Neutral Section

The first phase of trial of Unidirectional Automatic Switched Neutral Section (ASNS) installed at Asaudah TSS, Northern Railway, using logic controller designed by RDSO, was started from 01.08.2018. The trial report based on observations has been sent to Railway Board vide letter No. TI/PRO/TCT/ASNS/05, dated 21/23.08.2018. The scheme of bi-directional ASNS and its logic has also been mentioned in the report with guidelines for providing requisite equipment for second phase trial of bi-directional Automatic Switched Neutral Section. The first phase of trial of ASNS at Northern Railway was completed in August and the second Phase Trial of ASNS (using bi-directional controller) has commenced at Asaudah TSS on 19.09.2018. RDSO has designed the bidirectional logic controller and is activity involved in the trial. If successful, this arrangement will avoid use of short Neutral Section.

