CONTROL COMMUNICATION EQUIPMENTS FOR OFC USING 2-W TELEPHONES
(RDSO SPECIFICATION: RDSO/SPN/TC/66/2007   Version No.:1.0)

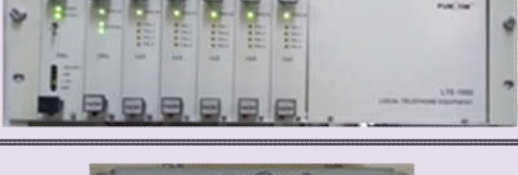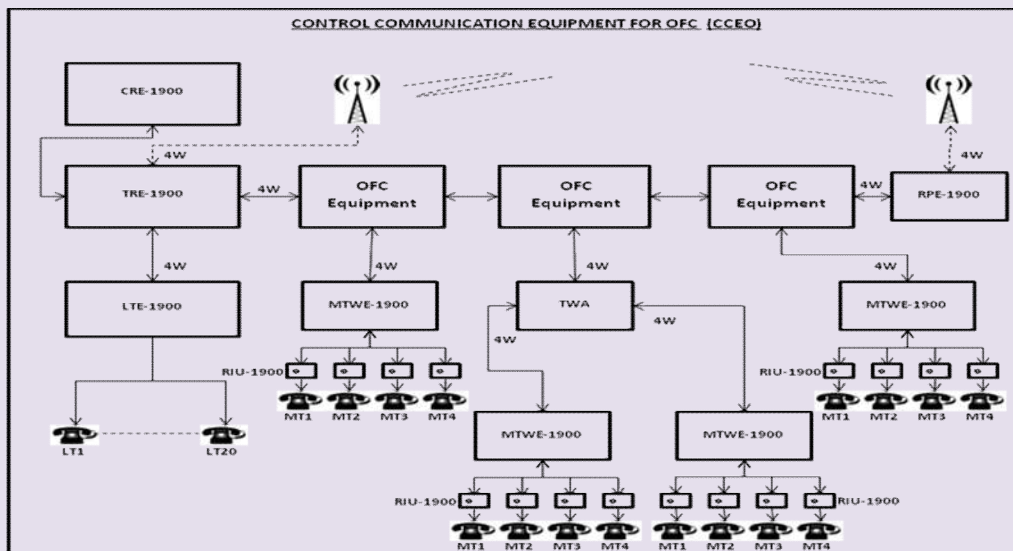Control Communication Equipments for OFC System using 2-Wire Telephones (CCEO) is used for Section Control, Deputy Control, Traction Power Control, Engineering control etc. at Control Office & Way Stations. CCEO system works on Optical Fiber Communication System based 4-Wire Voice Frequency (VF) Channel having impedance of 600 +10%. All the segments of CCEO (except CRE-1900) works on -48V DC, having working voltage range of -48V DC +20%. CCEO System conforms to RDSO specification No.: RDSO/SPN/TC/ 66/2007, Version No.: 1.0.

CONTROL COMMUNICATION EQUIPMENTS FOR OFC (CCEO-1900)

Equipment	Image
CONTROL ROOM EQUIPMENT (CRE-1900)	
TEST ROOM EQUIPMENT (TRE-1900)	
MULTI TELEPHONE WAY STATION EQUIPMENT (MTWE-1900)	
REMOTE PATCHING EQUIPMENT (RPE-1900)	
THREE WAY AMPLIFIER (TWA-1900)	
LOCAL TELEPHONE EQUIPMENT (LTE-1900)	
RING INDICATION UNIT (RIU-1900)	

Features and Facilities of CCEO:

➢ Having facility to call selectively 80 way station telephones.
➢ Single key press operation from CRE to call Way Station or Old way station Telephones.
➢ Single key press operation from CRE to call Local Telephones.
➢ Group and General call facility from CRE and TRE for Way Station or Old way station.
➢ Different indications for MTWE telephone status (Ringing, Busy and Disconnected).
➢ Facility to make Nine Groups in MTWE.
➢ Intercom facility between MTWE Telephones.
➢ Facility to dial inter MTWE station Telephones.
➢ Facility to change dialing permissions to MTWE Telephones.
➢ Facility to set preferred number dialing by MTWE Telephones.
➢ Facility to set ringing duration of MTWE Telephones.
➢ Facility to set four different type of Ring in MTWE.
➢ Show miss call feature Ring Indication Unit.
➢ Different indications for LTE telephone status (Ringing, Busy and Disconnected).
➢ Facility to mount CCEO equipments (except CRE-Desktop) on standard 19" Rack or on wall.

CONTROL COMMUNICATION EQUIPMENT FOR OFC (CCEO)

Some Feature Comparison in NEW CCEO and Old CCEO:

NEW CCEO (IRS : RDSO/SPN/TC/66/2007)	OLD CCEO (IRS : TC-60/2007)
Works on -48V DC.	Works on 12V DC.
Stores 80 Numbers (New CCEO/ Old CCEO) in CRE.	No such feature.
Single button dialing for Local telephones, Group & General call.	No such feature.
CRE/TRE can dial MTWE and Old way station Equipment also.	Only old way station Equipment.
Can make 09 different Group.	Can make 04 different Group.
At way station 04 telephones with different numbers can be connected.	At way station only one telephone can be connected
Dialing permission can be set to MTWE telephones.	No such feature.
Ring duration to MTWE telephones can be set.	No such feature.
Can set Four different types of Ring.	No such feature.
RBT feature to show called telephone is busy or free.	No such feature.
Ring indication unit for miss call feature.	Have miss call feature.
Standard 2W telephone instruments can be used as MTWE telephones.	Specific 4W telephones has to be used and need extra hybrid (4W to 2W converter) for specific 2W telephones.
Standard 19" rack as well as wall mountable.	