

**Government of India
Ministry of Railways
(Railway Board)**

No. 96/Tele/PCDO/1/Genl.

New Delhi, dated 10.01.2011.

14

**CSTE's
All Indian Railways.**

Sub:- Change in the Telecom Annexures of the Monthly PCDO to ML.

The Telecom annexures of CSTE's monthly PCDO to ML has been revised. The revised nomenclature and format of the Telecom Annexures is enclosed.

The reporting of Telecom progress from Jan.2011 onwards should be done as per the enclosed annexures. These shall replace the annexures 5.2.1 to 5.2.10 of earlier PCDO.

The softcopy of the format has also been circulated on email to CCEs and CSTEs. It can also be downloaded from <http://tele.rb.railnet.gov.in/>.

Please acknowledge receipt.


14/1/11
(Rakesh Ranjan)
Director/Tele
Railway Board

Ph: 011-23388504/030-44613
Fax:011-23304690/030-44690

Copy to:-

Dir/Signal/Railway Board for information.

Revised structure of Telecom MCDO

S No.	Annexure Name	Annexure No.
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_____ Railway

Executive Summary of Performance for the month of _____ 2010

S.No.	ITEM	2009-10		2010-11		Improvement/ Deterioration
		Target	Achieved	Target	Cumulative till current month	

1 Reliability

1.1	Control Circuit Efficiency (OFC)					
1.2	Control Circuit Efficiency (Cable)					
1.3	L.C. Gate Circuits Efficiency					
1.4	Telephone Exchange Efficiency					
1.5	Voice Recorder Efficiency					
1.6	25 W VHF Sets Efficiency					
1.7	Ring/backup Protection for OFC (No.)					

2 ECONOMY/EXPENDITURE CONTROL

2.1	Data/Voice Ckts. Transfer on Rly. From BSNL (No.)					
2.2	Other measures					

Executive Summary of Assets & Projects for the month of _____ 2010
Targets & Achievements

S.No.	ITEM	Unit	Cumulative upto Mar-10	Target (10-11)	Done during current month	Cumulative (10-11)	Remarks
1	Optical Fibre Cable	RKMS					
2	Quad Cable	RKMS					
3	Mobile Train Radio Communication	RKMS					
4	PA System (At Stations)	Stns					
5	Digital Clocks	Stns					
6	Train Indication Board	Stns					
7	Coach Indication System	Stns					
8	Enquiry & Computer Announcement System	Stns					
9	Circuit Transferred from BSNL to Railway	Nos					
10	Voice Recorder in Control Offices	Nos					
11	BSNL Telephones at Way Stations	Nos					
12	V-SAT terminals for UTS, PRS & FOIS	Nos					
13	VSAT in ARTs (IRPMU/NCR only)	No. of ART's					
14	Telephone Exchange	Nos.					
15	Railway Owned Overhead Alignment	RKMS					
16	BSNL Owned Overhead Alignment	RKMS					
17	Analog Microwave/ UHF	RKMS					
18	Digital Microwave/ UHF	RKMS					
19	25 W VHF sets	Nos.					

Financial Progress

All PB10-11 Telecom works (Nos.)	Telecom works Over all Outlay (2010-11)	Expenditure during the month	Cumulative Exp. in the year (2010-11)	Works completed but not closed (Nos)

Fig Rs. in Lakh

Data Circuits* Detail

Network	No. of Circuits Till Last Month	Circuits Added This Month	Circuits Deleted This Month	Total	No. of Data Ckts. From Railways/RCL				No. of Data Ckts. Hired from other service provider			
	a	b	c	d = a+x-y	>2Mb	2Mb	64 Kb	Other	>2Mb	2Mb	64 Kb	Other
Railnet												
UTS/PRS												
FOIS												
NGN												
Exchange Connectivity												
Others												

* Circuit means a link that connect two routers or two Exchanges or a link to NGN/MPLS

Data Circuits* Performance

Network	Total No. of Circuits	No. of Circuits that Achieved efficiency			
		>99%	97% - 99%	95% - 97%	<95%
Rainnet					
PRS					
UTS					
FOIS					
Exchange					
NGN					

* Circuit means a link that connect two routers or two Exchanges or a link to NGN/MPLS

Control Circuit Details

1 On Overhead Alignments			31st March of Last Year	As on Current Month	Remarks
a)	BSNL owned	Rkms			
b)	RLY owned	Rkms			
2 On Telecommunication Cable					
a)	OFC + 4 Quad Cable	Rkms			
b)	Quad Cable	Rkms			
	i) 4 quad cable (Control Working only on quad cable)	Rkms			
	ii) 6 quad cable (Control Working only on quad cable)	Rkms			
c)	RLY owned RE Quad Cable	Rkms			
d)	DOT owned RE Quad Cable	Rkms			
3	On Other Commn. Modes (18 Ghz, VHF etc.)	Rkms			
Total Rkms (1 +2 +3)		Rkms			
A Controlled Sections		Rkms			
	a) Rkm on BG Routes	Rkms			
	b) Rkm on MG Routes	Rkms			
	c) Rkm on NG Routes	Rkms			
B Non-Controlled Sections		Rkms			
Total Route Kms on Railway Zone (A + B)		Rkm			

Note: Total of various modes of Control Working + Uncontrolled Sections should tally with the Total Route

Control Section Details

SN.	Division	Control Section	RKms	No. Stations in Control Section	Whether provided with DTMF Equipt. (Yes/No)
1					
2					
3					
4					
5					

Control Circuits Performance

S.No.	Name of the Circuit	Progressive average performance efficiency %		Cumulative for current year performance %
		Current Month	Previous Month	
a	Average Efficiency of Control Circuits on Railway OFC			
	Circuit			
b	Average Efficiency of Control Circuits on Railway Quad Cable			
	Circuit			
c	Average Efficiency of Control Circuits on Railway RE Cable			
	Circuit			
d	Average Efficiency of Control Circuits on BSNL RE Cable			
	Circuit			
e	Average Efficiency of Control Circuits (Railway OH Link)			
	Circuit			
f	Average Efficiency of Control Circuits (BSNL OH Link)			
	Circuit			
	Operating			

Control Circuit Failures

a) Statement showing **Control OFC Circuits** having efficiency less than 99.5% during the current month

S.No.	Name of Circuit	Efficiency	Remarks

b) Statement showing **Control Quad Cable Circuits** having efficiency less than 99.5% during the current month

S.No.	Name of Circuit	Efficiency	Remarks

c) Statement showing **Control Overhead Circuits without Radiopatch** having efficiency less than 99.5% during the current month

i. DOT Owned			
S.No.	Name of Circuit	Efficiency	Remarks

ii. Railway Owned			
S.No.	Name of Circuit	Efficiency	Remarks

Monthly Statistical Data

Annexure-T.5.1

S. No.	Telecom Installation on Zonal Railways	Unit	As on 31st March of Last Year	As on Current Month	Remarks
1	Digital Electronic Exchanges	a) Total No. of Exchanges	Nos.		
		b) Total No. of Lines	Lines		
2	Microwave Links	a) Analog Links (7 GHz)	Rkms		
		b) Digital Links (7 GHz)	Rkms		
		c) UHF Links	Rkms		
3	Optical Fibre Cable (inc. RairTel) (Stand alone OFC as well as OFC as part of OFC + Quad Cable System)	a) OFC Lit	Rkms		
		b) OFC Laid & under Lit	Rkms		
		c) OFC in Progress	Rkms		
4	Quad cable	a) 4 Quad cable working along with OFC			
		i) Commissioned	Rkms		
		ii) In Progress	Rkms		
b) 6 Quad cable working along with OFC	i) Commissioned	Rkms			
	ii) In Progress	Rkms			
c) 4 Quad cable Stand alone	i) Commissioned	Rkms			
	ii) In Progress	Rkms			
d) 6 Quad cable Stand alone	i) Commissioned	Rkms			
	ii) In Progress	Rkms			
5	Control communication through wireless (18 GHz)	Rkms			
6	Control Sections provided with DTMF equipment	Rkms			
7	Mobile Train Radio Communication System	Nos.			
8	No. of Stations with 25 Watt fixed VHF Sets	Rkms			
		Sins.			

NOTE: In respect of quad laid along with OFC, its length will get reflected in S.No. 3 as well as S.No. 4.

Passenger Amenities Details

S.No.	Item	Class of Stations										Total					
		A1		A	B	C	D	E	F	Modern	Model		Adarsh				
		a	b	c	d	e	f	g	h	i	j						
1	No. of Stations																
2	PA System*																
3	Clocks*																
4	Coach Display System*																
5	Train Display System*																
6	BSNL Phones*																

* Please fill the number of Stations provided with the facility.

Works Details

W/P- 10-11	R/y	Name of the work	Inclusion Year	Allocation	Estimate sanction	LOA	PO placed	Antc. Cost (As per PB)	Exp up to last financial year	Exp in this financial year (10-11)	Outlay 10-11	DOC	Physical Progress in %	Financial Progress in %	Remarks	Total Cable Length	Cable laid	Cable Commissioned
		EXAMPLE																
PB 223	CR	Kalmeshwar - Iarasi : 6 Quad Cable (273 Kms)	04-05	DF- 4	Yes	Yes 1,12,08	Yes 300 QC	1172.18	359.16	0.00	100.00	RCIL 31.07.10	20	10	Material modification sanctioned by R/y Bd. (CSTE/ Project). Work given to RCIL. LOA issued to M/s Vinohya Telelinks Ltd. New Delhi on 01.12.08. PO placed for 300 Km QC. Cable received. 170 Kms cable laid. 11 block out of 15 shifted on 6 Quad cable.	275	170	