

**GOVERNMENT OF INDIA (BHARAT SARKAR)**  
**MINISTRY OF RAILWAYS (RAIL MANTRALAYA)**  
**(RAILWAY BOARD)**

No. 2000/Tele/MW/7/RCIL/-A/Pt.

New Delhi, dt. 6.9.2004.

**Chief Signal & Telecom Engineers,**  
**All Indian Railways.**

**Sub: Yardsticks for maintenance of OFC and Quad cable and  
 their related equipments on Indian Railways.**

1. Board have approved the following yardstick for maintenance of OF Cables alongwith copper Quad cable and their connected systems/sub-systems for control communication, emergency communication, LC Gate communication and other short haul circuits.
2. The total number of staff as per the basic yardstick to be adopted for maintenance of a beat length of 300 Kms of the OFC system is approved under two classifications as under:-

S.No.	Norms	Total number of staff
1.	Without AMC	26
2.	With AMC (for cable maintenance)	20

3. The break up of the staff under the above two norms are as detailed below:-

**Without AMC:**

(for 300 Rkms)

S.No.	Gang description	Category of Staff	Number per Gang	Number of Gangs	Total
1.	General Supervision	SSE	1	1	7
		TA/Clerical	1		
		Artisan	1		
		Group 'D'	4		
2.	Cable Gang	JE-I/II,	1	2 (one gang for every 150 Kms)	10
		TCM-III/WTM-III	1		
		Cable Jointer	1		
		Group 'D'	2		
3.	Equipment Gang	SE/JE-I	1	1	7
		TCM-I/II / WTM-I/II	4		
		Group 'D'	2		
4.	EMC Patrol Gang	TCM-III/ WTM-III	2	1	2
5.	<b>Grand Total</b>				26

**With AMC ( for cable maintenance)**

**(for 300 Rkms)**

S.No.	Gang description	Category of Staff	Number per Gang	Number of Gangs	Total
1.	General Supervision	SSE	1	1	7
		TA/Clerical	1		
		Artisan	1		
		Group 'D'	4		
2.	Cable Gang	SE/JE-I,	1	1	4
		TCM-III/ WTM-III	1		
		Cable Jointer	1		
		Group 'D'	1		
3.	Equipment Gang	SE/JE-I	1	1	7
		TCM-I/II / WTM-I/II	4		
		Group 'D'	2		
4.	EMC Patrol Gang	TCM-III/ WTM-III	2	1	2
5.	<b>Grand Total</b>				<b>20</b>

4. Creation of staff shall be against matching surrenders for newly created assets. Where OFC systems have been provided as replacement for overhead Communication or Microwave systems, posts and staff maintaining the earlier system shall be redeployed on one:one basis for creation and maintenance of the OFC assets. There shall be no demand for additional vehicles against the above creation.

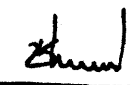
5. The Railways shall maintain the entire OF Cable, Quad Cable, Electronic and Communication equipment at way stations for Control Working, Emergency Control, Level Crossing Gates and such other short haul circuits required for train operations.

6. RailTel shall be providing circuits from the OFC cable system for Railway operations. An MOU between Railways and RailTel will be issued separately for maintenance of the OF cable systems by the Railways for the sections which are under commercial usage by RailTel.

7. The MOU shall also address the proportionate cost sharing model between RailTel and Railways for maintenance of cable system by the Railways for RailTel.

8. This issues with the approval of the Finance Directorate.

*Hindi version will follow.*

  
(V.G. Ramesh Kumar) 30/5/04.  
Exec. Director (Telecom Dev.)

Copy to:

**FA&CAO, All Indian Railways.**

  
(AKCHANSH)  
Dy. Director Finance (E)  
Railway Board

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