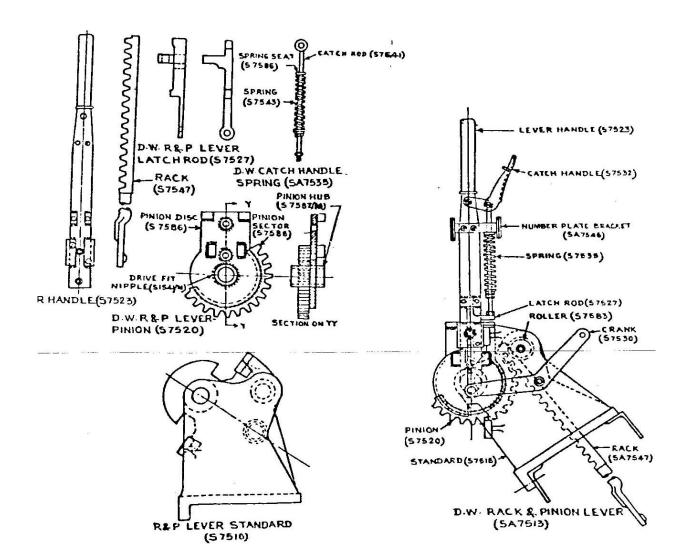


इरिसेट आउट डोर सिगनलिंग प्रयोगशाला इरिसेट / ओ डी एस - 06

IRISET

OUT DOOR SIGNALLING LABORATORY EXPERIMENT NO.: ODS – 06

नाम					
Name	:				
अनुक्रमांक			प्राप्तांक		
Roll No	:		Marks Awarded	:	
पाठ्यक्रम					
Course					
दिनांक -	•		अनुदेशक के आद्यक्षर		
			Instructor Initial		
Date	:		instructor initial	:	
		RACK AND F	PINION LEVER		
INTRODUCTION TO RACK AND PINION LEVER:					
A lover designed to the exected on a double wire installation (LEVER FRAME)					
A lever designed to be erected on a double wire installation (LEVER FRAME) But required to work functions like points ,lock bar, facing point lock etc, by a rodding transmission.					
A lever handle is bolted to the pinion ,intermeshed with the teeth of the lever ,the rack gets a linear					
stroke . The down rod is connected to the tree end of the rack and the other end to the vertical crank.					
Rack and pinion lever is available with 200mm stroke. Horizontal cranks (300*300mm) And IRS rodding					
compensator (406*253mm) used for the transmission of rodding. If the IRS D.W. point Mechanism used in the event of a wire breakage, where the point is not provided unit wire detector, there is a posiibility of the					
point going to the other position ,the point is rod operated by employing rack and pinion lever from D.W					
Lever frame . In a marshalling or other yard ,where numerous shunting movement takes place ,there is a					
possibility of bursting of points either the point mechanism requires constant replacement or suspension					
of point operation. To over come this R&P Lever is used. Even if the rod damage due to burst point ,the replacement of rodding is easier and less time consuming, Thereby increases the train operation.					
Торіассії	0.11. 0.	reading to easier and less time series	arming, riveredy mercaece	and train operation.	
1. Indicate the parts in the sketch attached.					
2. Rack & pinion levers are used when FPL & EPL are to be worked by					
3. Points of FPLs are worked by red transmission and rack and pinion lever when:					
a. The point is not detected.					
b. Points are to be worked in a big yard where bursting of points is frequent.					
4. The stroke imparted to the Rack &pinion by the pinion in IRS type D.W. lever is					
_ N = -f	4 41-				
6. No. of		in pinion			
		In rack g is terminated in the projection in	in I	RS	
8. The li			i i	oring.	
		required for point operation is		G	
10. The s	10. The stroke available at the rack				
11. The stroke of the tappetMM.					
12. The size of the cranks and compensator used					



Date;

Signature of trainee