



OPTIMIZATION & INCREASING EFFICIENCY  
OF  
POINTS MAN & GATE MAN STAFF  
WORKING UNDER TI/MTD, TI/DNA & TI/MKN  
OF  
OPERATING DEPARTMENT  
OF  
JODHPUR DIVISION  
(G/HQ/WS/463/04/Optg./JU/2018-19)

GUIDED BY

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WORK STUDY ORGANIZATION  
NORTH WESTERN RAILWAY  
JAIPUR

# EXECUTIVE SUMMARY

Sr. No.	04
Study No.	G/HQ/WS/463/04/Optg./JU/2018-19
Subject	Optimization and increasing efficiency of Points Man & Gate Man working under TI/MTD, TI/DNA & TI/MKN of Operating department over Jodhpur Division.
Area	Jodhpur division
Division	Jodhpur
Department	Operating
Terms of Reference	Assessment of Man Power requirement
Present Cadre	Sanctioned Staff = 285 On Roll Staff = 214 Vacancies = 71
Proposed Cadre	252
Projected Surplus Man Power	33
Total No. of Recommendations	03
Financial Implication	Rs161. 65 Lac per annum
Month of Circulation	Sept., 2018

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Indian Railways is one of the largest government organizations and transports passengers as well as goods traffic from one place to another with a desired level of safety, security and punctuality. Being a commercial organization, it plays a vital role in Indian economy. On the other way, it is the backbone of national economy. For facing the tough competition with other modes of transport, it is essential to increase the productivity by optimum utilization of existing resources. Now, modernization, advancement in technology and computerization have been absorbed in every sphere by Railways.

It has been noticed by the Work Study Team that modernization, advancement in technology and computerization have been absorbed in every sphere of the Railways but we could not get the ultimate results yet. So, if we want to use, the optimum utilization of our men power and other resources, we have to adopt the following ways to achieve our objectives:-

- Continuous improvement through constant monitoring and upgrading process.
- Effective reductions in unnecessary expenditure.
- Make effective and in proper absolute manner to available equipments, techniques and policies.
- Improving Human Resource and mechanisms like annual assessment, training etc.
- Optimum utilization of man power by using Multi-skilling, closure of duplicate activities and adopt bench marking in key activities.

Keeping all above factors in view, SDGM has ordered a work study on review of staff strength of Points Men and Gatemen working under TI/MTD, TI/DNA and TI/MKN of operating department of Jodhpur division.

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CHAPTER 2	Acknowledgement
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- 2.1 The success and final outcome of this report required a lot of guidance and assistance from many officials and we are extremely fortunate to have got this all along the completion of the Work Study Report. Whatever we have done is only due to such guidance and assistance and we would not forget to thank them. We respect and thank Shri Vijay Singh Meena, **Sr. DOM/JU** and Shri, Jai Prakash, **DOM/JU** for giving us an opportunity to do prepare the Work Study Report on time, we are extremely grateful to them for providing such a thoughtful guidance and support.

We are really grateful because we manage to complete this report within the stipulated time. This Work Study Report could not be completed without the efforts and extended cooperation from coordinator of the department Shri Dinesh Mallik, DTI (MPP) and his team. Last but not the least; we would like to express our gratitude to all the staff concern for support and willingness to spend some time with us.

## 2.2 Terms of Reference:-

This study has been conducted under the following terms of reference:-

- i. Revision of the cadre on the basis of existing workload after introduction of new technology in train operating system.
- ii. Suggesting the ways and means for improving the system economically and efficiently.

## 2.1 Methodology Adopted:-

The following techniques of method study as well as work measurement have been applied to conduct the study:-

- i) Data collection and its critical analysis to arrive on factual status of present working.
- ii) Discussion with officers & subordinates at various levels with a view to produce fruitful results.
- iii) Sample checks and on spot observations.

## 2.2 Field units visited:-

The following field units have been visited by Work Study Team during the course of work study:-

DRM Office/JU, MTD-BKN,MTD-FL,MTD-RTGH sections.

**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(RAILWAY BOARD)**

**No. 2017/CE-IV/LX/100 (Committee)**

**New Delhi, Dated: 25.07.2018**

**General Manager  
All Zonal Railways**

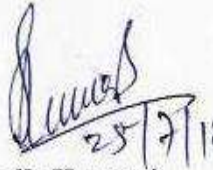
**Sub: Elimination of Unmanned Level Crossings.**

**Ref: This office of even letter dated 29.05.18 & 26.06.18.**

In continuation of this office letters referred above, it is to inform that some zonal railways represented regarding use of Retired Track Maintainer/Gatemen/Keymen/Gang Mate and home guards as gateman. Issue has been considered by Railway Board and following decision has been taken:

- (i) First preference for deputing a person to work as Gateman should be regular Railway Employee with competency certificate.
- (ii) To mitigate the problem of Shortage/Vacancy, engagement of ex-service men on contract was allowed.
- (iii) On the same line, GM's can also engage Retired track maintainer/gatemen to deploy as Gateman on need basis as per extract instructions for re employment of retired personnel.

This has approval of Board (CRB and ME).

  
**(Subodh Kumar)**  
**Director CE/B&S-II**  
**Railway Board**



**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(RAILWAY BOARD)**

**No. 2017/CE-IV/LX/100 (Committee)**

**New Delhi dated: 26.06.2018**

**General Managers,  
All Zonal Railways.**

**Sub: Elimination of Unmanned Level Crossings.**


**Ref: Board's letter of even number dated 29.05.2018.**

1. With reference above, some of the Zonal Railways have sought clarification on deployment of ex-servicemen, ex-home guards and act-apprentices on hiring/contract basis at manned LCs -

It has been decided that General Manager of Zonal Railways, on need basis, may deploy ex-servicemen on contract basis by executing proper contract agreement as per section 197(2) of the Railway Act as a considered decision with due diligence based on training and competency to man the level crossing gates. Safety of train operation has to be ensured at all times.

2. Operation of level crossing through mobile gateman in one train only system sections/Rail Bus route/one/two pair of trains etc -  
This is agreed subject to observation of provisions in GR/SR.
3. It is further reiterated that GMs of Zonal Railway are fully empowered to take decision in connection with elimination of UMLC such as tendering system, grant traffic blocks, speed restrictions, sanction of works, technical decisions regarding manning and interlocking, etc.

This has approval of Board (CRB, ME, MS)

  
26/6/18  
**(Subodh Kumar)**  
**Director CE(B&S)-II**

**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(RAILWAY BOARD)**

**No.2017/CE-IV/LX/100 (Committee)**

**New Delhi, Dated: 29.05.2018**

**General Manager  
All Zonal Railways**

**Sub: Elimination of Unmanned Level Crossings.**

In view of recent accident at unmanned level crossing, Hon'ble MR had directed to eliminate all the UMLCs by September'2018. GMs of Zonal Railways have raised certain issues/constraints, which have been examined and decided as below:

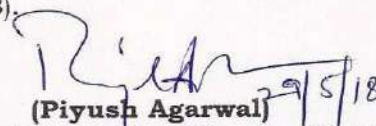
1. GMs are fully empowered to take decision in connection with elimination of UMLC such as tendering system, grant traffic blocks, speed restriction, sanction of work, technical decisions regarding manning and interlocking, etc. No case of any nature should come to Board for decision.
2. Total MLC gates should not be more than ten (interlocked / non-interlocked) in a block section or controlled by a station. However, total number of non interlocked manned level crossings in a block section should be limited to five. GM of Zonal Railways can, however, as exception take a well reasoned decision on the number of LCs duly considering various aspects of safety and train operations.
3. Manning of unmanned level crossings should be done as per manual as below:
  - a. Manning can be done with Leaf gate/chain barrier till regular lifting boom barrier, road, fencing etc. as per manual provision.
  - b. Till proper gate lodge will be constructed, porta cabin can be used.
  - c. Only proper communication should be ensured for manning. Zonal Railway will examine the availability of quad cable in the section for manning as use of cellular phones can have connectivity issues leading to operational problems.
  - d. Electricity on level crossing gates can also be provided through solar lights.
4. Manpower for manning of UMLCs –
  - a. Only permanent trackmen should be deployed as gatekeeper and additional manpower should be arranged by hiring Retired trackmen/gatekeepers, ex-servicemen/home guards to substitute the work of trackmen or their gang activities can be outsourced. However, non permanent staff can only be deputed at interlocked gates protected by signal in case of non availability of permanent staff. For re-engagement, only laid down procedure should be followed.
  - b. Validity of RRC panels of erstwhile Group D staff is being extended.
  - c. Recruitment of Course Completed Act Apprentices is not permitted.



5. Earlier policy guideline for interlocking of level crossings specifying the TVU criteria exists. However, keeping in view the fact that interlocking enhances safety to a large extent and Railway is extremely concerned about safety, the earlier stipulation regarding TVU for interlocking are being withdrawn and GMs are being fully empowered to decide on interlocking of LC gates (regardless of TVU) based on their assessments of various aspects of train operations.
6. Second ASM can be provided for doing commercial and miscellaneous duties so that the ASM on line-clear duty can fully concentrate on ensuring safe train operations.
7. Additional expenditure will have to be made for manning UMLCs as an interim measure where LHSs will be constructed at later stage. GM can sanction works within their power.

The overall target for elimination of UMLCs remains September'2018. However, issues, if any, that emerge with respect to elimination of unmanned level crossings by the target date in light of the above instructions; alongwith the plan to eliminate UMLCs on the Zonal Railways should be submitted by 15.06.2018. Doubts/clarifications, if any, may be sought only from PED/Bridge.

This issues with approval of Board (CRB).

  
(Piyush Agarwal) 29/5/18  
Principal Executive Director/Bridge  
Railway Board

**Copy for kind information:**  
**CRB, FC, ME, MT, MTR, MS**  
**DG(S&T)**  
**PED/Safety**

CHAPTER 4	CADRE AND DUTY OF STAFF
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#### 4.0 Cadre Position and Duties of Staff:

#### 4.1 Cadre Position of Points men and Gatemen under TI/MTD, TI/DNA & TI/MKN:

Sr. No.	Station	Sanctioned Strength			On Roll			Vacancies/Excess		
		PM 'A' (1900)	PM'B' (1800)	Gateman (1800)	PM 'A' (1900)	PM'B' (1800)	Gateman (1800)	PM 'A' (1900)	PM'B' (1800)	Gateman (1800)
1.	TI/MTD	97	0	22	67	0	19	30	0	3
2.	TI/DNA	60	11	16	48	2	18	12	9	-2
3.	TI/MKN	55	5	19	43	3	14	12	2	5
<b>Total</b>		<b>212</b>	<b>16</b>	<b>57</b>	<b>158</b>	<b>5</b>	<b>51</b>	<b>54</b>	<b>11</b>	<b>6</b>

#### 4.2 Duty List of operating staff:

Duties of all concern operating staff as described in the operating manual are as under:

##### 4.2.1 Duties of Points man/Shunt man:

- i) He shall obey all lawful orders of the ASM on duty or official in-charge supervising the shunting during the course of shunting operations including coupling or uncoupling of vehicles of wagons. Fixing rubber washers, closing wagon doors, displaying hand signals etc.
- ii) He shall exhibit danger signal to the official supervising the shunting should the crossing be fouled during the shunting operation.
- iii) He shall pilot the trains in case of abnormal working and when ordered by the SM on duty.
- iv) He shall be in proper neat and clean uniform while on duty.
- v) He shall come on duty after taking complete rest and shall not perform duty under the influence of liquor, drugs, or intoxicants.
- vi) Neither shall he absent himself from duty nor shall he exchange his duty without prior permission of his superiors.
- vii) He shall not leave his duty unless properly relieved or authorized by his superiors.
- viii) He shall set the points properly in non-interlocked yard and man them for all shunting movements and shall not interfere with the points while the vehicles are standing and, or passing over them.
- ix) He shall be responsible to see that fouling marks are kept clear after completion of shunting.
- x) He shall always commence his duty equipped with hand signal lamps during night and flags during day.
- xi) He shall verify the correct setting of route before delivering required papers to the loco pilot either through taking 'OFF' the relevant shunt signal or by personal observation.
- xii) In case of track failure he shall assist the SM to ascertain the clearance of line.

- xiii) He shall be responsible for lighting up of the indicators in the evening and putting out in the morning time fixed by DRM office and ensuring that these are burn brightly at night.
- xiv) He shall be responsible for cleaning and oiling the burners and trimming wicks during day time under the supervision of Station Manger/Deputy Station Manager.

#### **4.2.2 Duties of Gate man:**

- i) He shall be responsible for proper operation of the gate as per SWRs for the passage of trains.
- ii) He shall ensure that no train suffers any detention on account of late closing of the gate.
- iii) He shall keep the channels of check-rails clean and shall clean the road within the railway limits and water the area regularly.
- iv) He shall clean the gate lamps and hand signal lamps daily. He shall ensure that the wicks of the burners are trimmed so that these are lighted properly and kept burning continuously from sun set to sunrise.
- v) He shall keep the surroundings of his gate lodge clean tidy and neatly planted with shrubs, plants etc.
- vi) He shall remain alert on duty till properly relieved. If he is required to leave the gate in an emergency he shall close and lock the gate booms against the road traffic before leaving the gate.
- vii) He shall ensure that the equipment at L-xing are complete and in working orders.
- viii) He shall produce the public complaint book when required by public for lodging complaint and to the railway officials for inspection.
- ix) He shall ensure that road traffic is not unnecessarily held up at the gate.
- x) He shall stand in attention near the gate lodge facing the track and be prepared to repeat any signal which the guard may intend to convey to the loco pilot or show caution or danger signal should anything appear to be wrong with the train itself as it passes.
- xi) He shall be polite and courteous in his behavior towards the public.
- xii) He shall report any defect in the gate to the ASM on duty without delay.
- xiii) He shall close the gate on sighting a train or when ordered by the ASM on panel duty.
- xiv) He shall attract the attention of the loco pilots and guards by shouting and gesticulating instead of showing danger signal in case of tram parting. xv) He shall obey all lawful orders of the SM on duty.
- xv) In case of any obstruction, accident or damage to the gates, he shall protect the gate/obstruction as per instructions and rules in force.

## 5.0 Section-wise deployment, workload and critical analysis:

## 5.1 Staff under TI/MTD (Section from MEC to UMS):

Sr. No.	Station	SS			On Roll			Vacancies			Roster	LC No.	Status of LC (As per TVUs)	Deployment	Prop. Cadre	Identified Surplus	Critical Analysis
		PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man							
1.	MEC	0	0	0	0	0	0	0	0	0	NA	Nil	NA	NA	NA	NA	NA
2.	MTD	18	0	9	15	0	9	3	0	0	C/EI	C-99 /101 /01	Open to Road Traffic	04 Points Men at station and 01 Gate Man on each gate in each shift are deputed. 06 Points man are being used as LR/RG	30	0	Gate C-99A proposed to open as well there is DEMO shed which required extensive shunting. 03 Points Man transfer from CLO to MTD for manages addition duties.
3.	MCPE	6	0	0	3	0	0	3	0	0	EI	Nil	NA	01 Points Man in each shift is deputed at station and 01+01 Points man is being used as LR/RG.	4	2	02 Points men have been considered surplus

Sr. No.	Station	SS			On Roll			Vacancies			Roster	LC No.	Status of LC (As per TVUs)	Deployment	Prop. Cadre	Identified Surplus	Critical Analysis
		PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man							
4.	KJW	7	0	1	4	0	1	3	0	0	EI	C-92 /93	Open to Road Traffic	01 Points Man at station and 01+01 Gate Men on both gates, in each shift are deputed and 01+01 Points man are being used as LR/RG	8	0	Justified
5.	MDW	7	0	3	5	0	2	2	0	1	EI	C-78 /79	Open to Road Traffic	01 Points Man at station and 01+01 Gate Men on both gates, in each shift are deputed and 01+01 Points men are being used as LR/RG	8	2	01 Points Man and 01 Gate Man have been considered surplus.
6.	NGO	10	0	3	8	0	3	2	0	0	EI	C-61 /62 /64	Open to Road Traffic	01 Points Man at station and 01+01+01 Gate Men depute on three gates in each shift and 02+02 Points men is being used as LR/RG	12	1	01 Points man has been considered surplus
7.	BWS	6	0	0	4	0	0	2	0	0	EI	C-51	Open to Road Traffic	01 Points Man at station and 01 Gate Man on gate, in each shift are deputed and 01 Points man is being used as LR/RG	5	1	01 Points man has been considered surplus



Sr. No.	Station	SS			On Roll			Vacancies			Roster	LC No.	Status of LC (As per TVUs)	Deployment	Prop. Cadre	Identified Surplus	Critical Analysis
		PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man							
8.	ALAI	6	0	0	5	0	0	1	0	0	EI	C-44	Open to Road Traffic	01 Points Man at station and 01 Gate Man on gate, in each shifts are deputed and 01 Points man is being used as LR/RG	5	1	01 Points man has been considered surplus
9.	CLO	6	0	0	3	0	0	3	0	0	EI	Nil	NA	01 Points Man at station is deputed in each shift and 01 Points Man is being used at LR/RG.	3	0	03 Points men transfer from CLO to MTD for performing additional work load.
10.	NOK	7	0	4	5	0	3	2	0	1	EI	C-27 /28	Open to Road Traffic	01 Points Man at station and 01+01 Gate Men on both gates, in each shift are deputed and 03 Points men are being used as LR/RG	9	2	02 Points men have been considered surplus
11.	SPO	6	0	0	4	0	0	2	0	0	EI	C-16	Close to Road Traffic	01 Points Man at station and 01 Gate Man in each shift are deputed and 01 Points man is being used as LR/RG	5	1	01 Points man has been considered surplus

Sr. No.	Station	SS			On Roll			Vacancies			Roster	LC No.	Status of LC (As per TVUs)	Deployment	Prop. Cadre	Identified Surplus	Critical Analysis
		PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man							
12.	DSO	7	0	2	4	0	1	3	0	1	EI	C-6/ C-7	Open to & Close to Road Traffic	01 Points Man at station and 01 Gate Man in each shift are deputed and 02 Points men are being used as LR/RG	6	3	03 Points Men have been considered surplus.
13.	PAE	6	0	0	4	0	0	2	0	0	EI	Nil	NA	01 Points Man at station in each shift is deputed and 01 Points man is being used as LR/RG	3	3	03 Points Men have been considered surplus.
14.	UMS	5	0	0	3	0	0	2	0	0	EI	Nil	NA	01 Points Man at station in each shift is deputed and 02 Points men are being used as LR/RG	4	1	01 Points man has been considered surplus
Total		97	0	22	67	0	19	30	0	3					102	17	

5.2 Staff under TI/DNA (Section from KQW to PIH):

Sr. No.	Station	SS			On Roll			Vacancies			Roster	LC No.	Status of LC (As per TVUs)	Deployment	Prop. Cadre	Identified Surplus	Critical Analysis
		PM 'A'	PM 'B'	Gate man	PM 'A'	PM 'B'	Gate man	PM 'A'	PM 'B'	Gate man							
1	KQW	5	1	0	4	0	0	1	1	0	EI	C-91	Open to Road Traffic	01 Points Man at station and 01 Gate Man at L-Xing in each shift are deputed and RUB of LC/C-09 is under construction.	4	2	02 Points Men have been considered surplus.
2	REN	5	1	0	4	0	0	1	1	0	EI	C-85	Open to Road Traffic	01 Points Man at station and 01 Gate Man at L-Xing in each shift are deputed and 02 Points men are being used as LR/RG for KQW-JAC section	6	0	Justified
3	JAC	5	0	1	2	0	1	3	0	0	EI	C-72	Open to Road Traffic	01 Points Man at station and 01 Gate Man at L-Xing in each shift are deputed and 02 Points men are being used as LR/RG for KQW-JAC section	6	0	Justified
4	DNA	9	0	7	6	0	7	3	0	0	C/ EI (10 hrs)	C-72/ 123/ 51	Open to Road Traffic	02 Points Men at station and 01+01+01 Gate Men at 03 L-Xings in each shift are deputed and 05 Points men are being used as LR/RG.	16	0	Justified

Sr. No.	Station	SS			On Roll			Vacancies			Roster	LC No.	Status of LC (As per TVUs)	Deployment	Prop. Cadre	Identified Surplus	Critical Analysis
		PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man							
5	KRC	5	1	2	4	1	2	1	0	0	EI	C-112/113	Open to Road Traffic	01 Points Man at station and 01+01 Gate Man at 02 L-Xing in each shift are deputed and 02 Points men are being used as LR/RG.	8	0	Justified
6	KHT U	5	1	0	4	0	0	1	1	0	EI	C-100	Open to Road Traffic	01 Points Man at station and 01 Gate Man at L-Xing in each shift are deputed and 01 Points man is being used as LR/RG.	5	1	01 Points Man has been considered surplus.
7	KKN A	5	1	0	5	0	0	0	1	0	EI	C-79	Open to Road Traffic	01 Points Man at station and 01 Gate Man at L-Xing in each shift are deputed and 02 Points men are being used as LR/RG.	6	0	Justified
8	DIA	4	1	3	3	1	3	1	0	0	EI	C-65/66	Open to Road Traffic	01 Points Man at station and 01+01 Gate Man at 02 L-Xing in each shift are deputed and 02 Points men are being used as LR/RG.	8	0	Justified

Sr. No.	Station	SS			On Roll			Vacancies			Roster	LC No.	Status of LC (As per TVUs)	Deployment	Prop. Cadre	Identified Surplus	Critical Analysis
		PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man							
9	LAU	6	2	0	8	0	0	-2	2	0	EI	C-32/33	Open to Road Traffic	01 Points Man at station and 01+01 Gate Man at 02 L-Xing in each shift are deputed and 02 Points men are being used as LR/RG. ROB/RUB at LC/C-33 under construction.	6	2	02 Points Men have been considered surplus.
10	SUJH	6	1	3	5	0	3	1	1	0	EI	C-21/22/23	Open to Road Traffic	01 Points Man at station and 01+01+01 Gate Men at 03 L-Xing in each shift are deputed and 02 Points men are being used as LR/RG.	10	0	Justified
11	TLC	3	1	0	2	0	2	1	1	-2	EI	Nil	NA	01 Points Man at station in each shift is deputed and 01 Points man is being used as LR/RG.	3	1	01 Points Man has been considered surplus.
12	PIH	2	1	0	1	0	0	1	1	0	EI	Nil	NA	01 Points Man at station in each shift is deputed and 01 Points man is being used as LR/RG.	3	0	Justified
	<b>Total</b>	<b>60</b>	<b>11</b>	<b>16</b>	<b>48</b>	<b>2</b>	<b>18</b>	<b>12</b>	<b>9</b>	<b>-2</b>					<b>81</b>	<b>6</b>	



### 5.3 Staff under TI/MKN (Section from GCH to SBR):

Sr. No.	Station	SS			On Roll			Vacancies			Roster	LC No.	Status of LC (As per TVUs)	Deployment	Prop. Cadre	Identified Surplus	Critical Analysis
		PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man							
1	GCH	7	0	3	7	0	2	0	0	1	EI	C-59 / 60	Open to Road Traffic	01 Points Man at station and 01+01 Gate Man at L-Xing in each shift are deputed and 03 Points men are being used as LR/RG.	9	1	01 Points Man has been considered surplus.
2	BSRL	4	1	3	2	1	3	2	0	0	EI	C-46 / 47	Open to Road Traffic	01 Points Man at station and 01+01 Gate Man at 02 L-Xing in each shift are deputed and 02 Points men are being used as LR/RG.	8	0	Justified
3	BOW	4	0	4	2	0	3	2	0	1	EI	C-40 / 41	Open to Road Traffic	01 Points Man at station and 01+01 Gate Men at 02 L-Xing in each shift are deputed and 01 Points man is being used as LR/RG.	7	1	01 Points Man has been considered surplus.
4	MKN	6	1	6	8	0	4	-2	1	2	EI (Gate Man have 10 hrs duty)	C-37 / 38	Open to Road Traffic	01 Points Man at station, 01 in train (MKN-PBC) and 01+01 Gate Man at L-Xing in each shift are deputed and 04 Points men are being used as LR/RG.	11	2	02 Points Men have been considered surplus.
5	KMNC	3	0	0	2	1	0	1	-1	0	EI	Nil	NA	01 Points Man at station in each shift are deputed and 01 Points man is being used as LR/RG.	3	0	Justified

Sr. No.	Station	SS			On Roll			Vacancies			Roster	LC No.	Status of LC (As per TVUs)	Deployment	Prop. Cadre	Identified Surplus	Critical Analysis
		PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man							
6	NYK	2	1	0	2	0	0	0	1	0	EI	Nil	NA	01 Points Man at station in each shift is deputed and 01 Points man is being used as LR/RG.	3	0	Justified
7	NAC	12	0	1	8	0	0	4	0	1	EI	C-20 / 22	Open to Road Traffic	02 Points Men at station and 01+01 Gate Man at 02 L-Xing in each shift are deputed and 04 Points men are being used as LR/RG.	12	01	01 Points Man has been considered surplus.
8	GVMR	6	0	0	3	0	0	3	0	0	EI	C-15	Open to Road Traffic	01 Points Man at station and 01 Gate Man at L-Xing in each shift are deputed and 02 Points men are being used as LR/RG. Soon L-xing C-15 will be closed hence 02 Points Man have been considered Surplus.	4	2	02 Points Men have been considered surplus.
9	GA	5	1	0	5	0	0	0	1	0	EI	C-08	Open to Road Traffic	01 Points Man is deputed at station in each shift and 01 Gate Man at L-Xing in day shift only. 01 Points man is being used as LR/RG. (The use of LC/C-08(TVU=838) only for sambhar salt limited and also not operated in night shift.)	4	2	02 Points Men have been considered surplus.

Sr. No.	Station	SS			On Roll			Vacancies			Roster	LC No.	Status of LC (As per TVUs)	Deployment	Prop. Cadre	Identified Surplus	Critical Analysis
		PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man	PM 'A'	PM' B'	Gate man							
10	SBR	6	1	2	4	1	2	2	0	0	EI	C-04 / 05	Open to Road Traffic	01 Points Man at station and 01+01 Gate Man at 02 L-Xing in each shift are deputed and 02 Points men are being used as LR/RG.	8	1	01 Points Man has been considered surplus.
	<b>Total</b>	<b>55</b>	<b>5</b>	<b>19</b>	<b>43</b>	<b>3</b>	<b>14</b>	<b>12</b>	<b>2</b>	<b>5</b>					<b>69</b>	<b>10</b>	

CHAPTER 6	SUMMARY OF PROJECTED SURPLUS POSTS
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## 6.0 Summary of Projected Surplus Posts:

### 6.1 STAFF UNDER TI/MTD (Section from MEC to UMS):

Sr. No.	Station	Points man & Gateman				
		SS	OR	Vac.	Proposed Cadre	Surplus Identified
1.	MEC	0	0	0	0	0
2.	MTD	27	24	3	30	0
3.	MCPE	6	3	3	4	2
4.	KJW	8	5	3	8	0
5.	MDW	10	7	3	8	2
6.	NGO	13	11	2	12	1
7.	BWS	6	4	2	5	1
8.	ALAI	6	5	1	5	1
9.	CLO	6	3	3	3	0
10.	NOK	11	8	3	9	2
11.	SPO	6	4	2	5	1
12.	DSO	9	5	4	6	3
13.	PAE	6	4	2	3	3
14.	UMS	5	3	2	4	1
Total		119	86	33	102	17

### 6.2 STAFF UNDER TI/DNA (Section from KQW to PIH):

Sr. No.	Station	Points man & Gateman				
		SS	OR	Vac.	Proposed Cadre	Surplus Identified
1.	KQW	6	4	2	4	2
2.	REN	6	4	2	6	0
3.	JAC	6	3	3	6	0
4.	DNA	16	13	3	16	0
5.	KRC	8	7	1	8	0
6.	KHTU	6	4	2	5	1
7.	KKNA	6	5	1	6	0
8.	DIA	8	7	1	8	0
9.	LAU	8	8	0	6	2
10.	SUJH	10	8	2	10	0
11.	TLC	4	4	0	3	1
12.	PIH	3	1	2	3	0
Total		87	68	19	81	6

6.3 STAFF UNDER TI/MKN (Section from GCH to SBR):

Sr. No.	Station	Points man & Gateman				
		SS	OR	Vac.	Proposed Cadre	Surplus Identified
1.	GCH	10	9	1	9	1
2.	BSRL	8	6	2	8	0
3.	BOW	8	5	3	7	1
4.	MKN	13	12	1	11	2
5.	KMNC	3	3	0	3	0
6.	NYK	3	2	1	3	0
7.	NAC	13	8	5	12	1
8.	GVMR	6	3	3	4	2
9.	GA	6	5	1	4	2
10.	SBR	9	7	2	8	1
<b>Total</b>		<b>79</b>	<b>60</b>	<b>19</b>	<b>69</b>	<b>10</b>

6.4 Staff under all TI:

Sr. No.	Station	Points man & Gateman				
		SS	OR	Vac.	Proposed Cadre	Surplus Identified
1	TI/MTD	119	86	33	102	17
2	TI/DNA	87	68	19	81	6
3	TI/MKN	79	60	19	69	10
<b>Total</b>		<b>285</b>	<b>214</b>	<b>71</b>	<b>252</b>	<b>33</b>



- 7.0 In a continuous process of modernization of the equipment to reduce the manual efforts. Immense advancement has been taken place in the train operation technology. Modernization of the yard through interlocking and introduction of advance version in signaling system has changed the whole scenario and succeeded to reduce the manual efforts drastically. Elimination of level crossing by introducing RUBs and ROB has further extended the efficiencies and safety to the train operation. In view of these drastic changes in the field of train operation, an immediate need to review the staff strength was felt, so as to man power can be used at its optimum output and surplus manpower shall be identified. In the Work Study Report, data regarding technology changes made in train operation system and existing sanctioned man power taken in to consideration and on the basis of critical analysis of these data as well on the basis of field observations following recommendations are being purposed:
- 7.1 **Recommendations No.1:**
- Total 33 posts of Points Man/Gate Man are found surplus.**
- 7.1.1 Against total existing cadre of **119 Points Man/Gate Man**, total **102 Points Man/Gate Man** considered sufficient to meet out with workload of **MTD-UMS** section and **17 Points Man/ Gateman** have been considered surplus in the cadre.
- 7.1.2 Against total existing cadre of **87 Points Man/Gate Man**, total **81 Points Man/Gate Man** considered sufficient to meet out with workload of **KQW to PIH** section and **06 Points Man/ Gateman** have been considered surplus in the cadre.
- 7.1.3 Against total existing cadre of **79 Points Man/Gate Man**, total **69 Points Man/Gate Man** considered sufficient to meet out with workload of **GCH to SBR** section and **10 Points Man/ Gateman** have been considered surplus in the cadre.
- 7.2 **Recommendation No. 02:**
- Revised policy regarding eliminating Unmanned Level Crossing has created a need to fulfill the existing vacancies of Gateman as “Retired staff like- Track maintainer, Key man, Gateman, Gang mate and home guard will be re-engaged as per Railway Board’ s letter no. 2017/CE-IV/LX/100 (Committee); dated-25.07.2018.”
- The Engineering department of the Jodhpur division has already made such contract with Rajasthan Ex-Servicemen Corporation Limited, Jaipur, thus it is recommended that the Operating Department also to meet out with the vacancies in the cadre of Gatemen may engage Ex-Servicemen through such contract, to ensure manning of all the Level Crossings under Operating department.
- 7.3 **Recommendation No. 03:**
- There is immense need of developing multi-skilling in the staff performing similar nature of Job, so as to the limitations of using this man-power can be extended. In view of this the possibility for merging of cadre of Points Man and Gate Man shall be explored.

**Minutes of meeting held in Chamber of Sr. DOM on 17/18.09.2018**

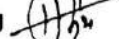
**Subject: Optimization and increasing efficiency of Points Man and Gate Mane staff working under TI/MTD, TI/DNA & TI/MKN of Jodhpur division.**

**Ref: Draft work study report no. G/HQ/WS/463/04/Optg./JU/2018-19**

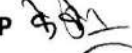


1. The work study report was briefed to the Sr. DOM/JU with recommendations.
2. Total sanctioned strength of Points Man and Gate Man staff working with these is 285 and on roll staff is 213, thus effective existing vacancies in these cadres are 72.
3. After introduction of upgraded technology like colour light signaling and penal interlocking, manual efforts in the operation of trains have been reduced drastically.
4. After critical analysis of the data provided by the coordinator and field observation it has been recommended in the work study report that to meet out with the revised workload 252 staff will be sufficient and 33 posts has been considered surplus.
5. After discussion recommendation Sr. DOM/JU agreed with recommendations of the work study report and informed that they will utilized the money value received as result of surrender for creation of the posts of Assistant Station Master, proposal of which has already send and is pending in absence of the money value.

  
Sr. DOM/JU

**Coordinator:**

1. Shri Dinesh Mallik, TI (MPP)/JU 

**Work Study Team:**

1. Shri Kamlesh Kumar Meena, CWSI/HQ/NWR/JP 
2. Shri Rajendra Singh Khiria, WSI/HQ/NWR/JP 
3. Shri Prakash Gurnani, WSI/HQ/NWR/JP 

CHAPTER 9	SUMMARY OF RECCOMENDATIONS
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Sr. No.	Recommendations	Para No.	Accepting/ Implementing Authority
9.1	<b>Recommendations No.1:</b> <b>Total 33 posts of Points Man/Gate Man are found surplus.</b>	6.1	DRM/JU
9.1.1	Against total existing cadre of <b>119 Points Man/Gate Man</b> , total <b>102 Points Man/Gate Man</b> considered sufficient to meet out with workload of <b>MTD-UMS</b> section and <b>17 Points Man/ Gateman</b> have been considered surplus in the cadre.		
9.1.2	Against total existing cadre of <b>87 Points Man/Gate Man</b> , total <b>81 Points Man/Gate Man</b> considered sufficient to meet out with workload of <b>KQW to PIH</b> section and <b>06 Points Man/ Gateman</b> have been considered surplus in the cadre.		
9.1.3	Against total existing cadre of <b>79 Points Man/Gate Man</b> , total <b>69 Points Man/Gate Man</b> considered sufficient to meet out with workload of <b>GCH to SBR</b> section and <b>10 Points Man/ Gateman</b> have been considered surplus in the cadre.		
9.2	<b>Recommendation No. 02:</b> The policy regarding eliminating Unmanned Level Crossing has created a need to fulfill the existing vacancies of Gateman. As per Para 1 of letter no. 2017/CE-IV/LX/100 (Committee); dated: 26.06.2018 it has been clarified that- “General Manager of Zonal Railways, on need basis, may deploy ex-servicemen on contract basis by executing proper contract agreement as per section 197 (2) of the Railway Act as a considered decision with due diligence based on training and competency to man the level crossing gates. Safety of train operation has to be ensured at all times.” The Engineering department of the Jodhpur division has already made such contract with Rajasthan Ex-Servicemen Corporation Limited, Jaipur, thus it is recommended that the Operating Department also to meet out with the vacancies in the cadre of Gatemen may engage Ex-Servicemen through such contract, to ensure manning of all the Level Crossings under Operating department.	6.2	DRM/JU
9.3	<b>Recommendation No. 03:</b> There is immense need of developing multi-skilling in the staff performing similar nature of Job, so as to the limitations of using this man-power can be extended. In view of this the possibility for merging of cadre of Points Man and Gate Man shall be explored.	6.3	

**10.1 Financial Implications:**

With the proposal for surrender of **33 posts** of Points Man and Gatemen of operating Department of Jodhpur Division. The recurring savings per annum in money value amount is given as below:-

Sr. No.	Category	Pay Matrix		Mean Pay	DA 9%	Total Pay	No. of posts	Total saving per month (Rs.)	Total saving per year (Rs.)
1.	Points man & Gatemen	18000	56900	37450	3370	40821	33	1347093	16165116
Total							33	1347093	16165116

Total savings of **33 surplus posts** is **Rs.161.65 lac. per annum** approximately.