

# **CENTRAL RAILWAY**

## **WORK STUDY REPORT ON “REVIEW OF ENGINEERING (WORKS) STAFF OF BHUSAWAL DIVISION.”**



**WORK STUDY CELL,  
CENTRAL RAILWAY,  
BHUSAWAL DIVISION.**

CENTRAL RAILWAY

WORK STUDY REPORT ON  
“REVIEW OF ENGINEERING (WORKS) STAFF OF  
BHUSAWAL DIVISION.”

Coordinating Supervisors

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Inspector

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**Work Study Cell,  
Central Railway,  
Bhusawal Division.**

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## **SYNOPSIS**

01	Study Number	WSCR/ENGG/BSL/6/19-20.
02	Name of Study	Review of Engineering (Works) staff of Bhusawal Division.
03	Approved by	AGM(C.R)
04	Department	ENGINEERING
05	Division	BHUSAWAL
06	Date of commencement	03/12/2019
07	Date of completion	28/12/2019
08	Date of Submission	29/01/2020
09	No. of recommendations	04
10	No. of suggestions	Nil
11	Sanctioned Strength	274
12	No. of men studied	165
13	No. of vacancies	109
14	No. of posts identified surplus	12
15	Financial Implications	Rs.38,31,588 / per annm

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## **ACKNOWLEDGEMENT**

The work study team takes this opportunity to express heartily thanks to Mr. Y.L.Tiwari CDM (LC) and all Depot In-charge, whose valuable guidance provided a successful conclusion to this study and whose productive suggestions enhanced the enthusiasm of the team.

The work study team is also grateful to all the staff working at various depots for furnishing necessary information and data required for conducting the study.

## **AUTHORITY & TERMS OF REFERENCE**

With the approval of AGM(C.R), the work study on “Review of Engineering (Works) staff of Bhusawal Division.” has been included in the Annual Work Study Program for the year 2019-20 with study no: WSCR/ENGG/BSL/6/19-20..

## **METHODOLOGY**

- 1) Collection of data in detail.
- 2) Field observation and interaction with the staff.
- 3) Discussion with co-coordinating officers/supervisor.
- 4) Change in working pattern if any.
- 5) Working out financial implication involved in saving as a result of surplus employee.

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## **CHAPTER NO. 01 INTRODUCTION**

Indian Railways is the life-line of nation providing transportation facility over the length and breadth of country. Its vision is to provide efficient, affordable, customer-focused, environmentally sustainable integrated transportation solutions and to be the vehicle of inclusive growth, connecting regions, communities, ports and centers of industry, commerce, tourism and pilgrimage across the country.

Civil Engineering infrastructure is the largest static infrastructure of Indian Railways comprising of track, bridges, land, etc. Management of this huge infrastructure has to be done in accordance with the organization's vision. Civil engineering department of Indian Railways manages and maintains all these infrastructures. Further, it has key role in the area of infrastructure development, technological leap in various fields, high speed travel and development of world class stations.

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## CHAPTER NO. 02 EXISTING SCENARIO

### 2.1 Organization set up of the Engineering department: -

**In** BSL Division, works engineering staff works under the supreme control of Sr.DEN (Co.), BSL.

He is assisted by Sr.DEN (South), Sr.DEN (North), Sr.DEN (East) and DEN (SW).

#### Brief Summary of Officers and their Sub-ordinates

According to Geographical conditions there are 03 Sr.DEN and 01 DEN (SW) in Bhusawal Division.

- i) Sr.DEN (South)
- ii) Sr.DEN (North)
- iii) Sr.DEN(East)
- iv) DEN(SW)

- i) Sr.DEN (South)

Under Sr.DEN (South) there are 02 ADEN.

ADEN/MMR and ADEN/CSN.

Under ADEN/MMR there are 02 SSE/Works.

These are:

- a) SSE/ Works /NKRD.
- b) SSE/ Works /MMR.

Under ADEN/CSN there is 01 SSE/ Works.

- i) SSE/ Works /CSN (N).



ii) Sr.DEN (North)

Under Sr.DEN (North) there are 02 ADEN.

ADEN/Line an ADEN/KNW.

Under ADEN/Line there is 04 SSE/Works.

These are:

- i) SSE/ Works /ML (BSL)
- j) SSE/ Works/JL
- k) SSE/ Works/JL SPL.
- l) SSE/ Works/BSL/PC.

Under ADEN/KNW there are 02 SSE/ Works.

These are:

- m) SSE/ Works /BAU (N).
- n) SSE/ Works /KNW.

iii) Sr.DEN (East)

Under Sr.DEN (East) there are 02 ADEN.

ADEN/AK (W) and ADEN/BD/E.

Under ADEN/W there are 03 SSE/ Works.

These are:

- o) SSE/ Works /MKU.
- p) SSE/ Works /SEG.
- q) SSE/ Works /AK.

Under ADEN/BD there are 02 SSE/ Works.

These are:

- r) SSE/Works/MZR.
- s) SSE/ Works / BD.

iv) DEN(SW)

Under DEN (SW) there are 15 SSE/Works working at BSL.

## DUTY LIST OF ENGG. WORKS DEPARTMENT:

Engg. (Works) Department is generally responsible for:

- i) Maintenance of sanitary & hygienic conditions in Station building, yards, railway colonies etc.
- ii) Conservancy works in railway premises.
- iii) To up keep passenger amenities on stations & yards.
- iv) To maintain minimum essential amenities and passenger amenities at Model Stations.
- v) To maintain booking offices, waiting halls, platforms, shady trees on platforms, lighting, drinking water supply, latrines, urinals and dustbins.
- vi) To maintain platform covers, FOB/Sub ways, waiting rooms, retiring rooms etc.
- vii) To supervise water supply, preparation of schemes for new water supply schemes and its timely review.
- viii) Consultations regarding open wells and deep tube wells.
- ix) To check and maintain installations of pumps.
- x) To supervise water treatment, quality of water and send water samples for analysis.
- xi) Maintenance of high level water storage and distribution.
- xii) Supervise drainage and sewage, preparation of schemes of sewerage.
- xiii) Maintain garden and plantation, disposal of grass and other natural products. Maintain gardens in officer's bungalow and senior supervisor's quarters.
- xiv) Sale of natural products.
- xv) Felling of trees.
- xvi) Acquisition, management and disposal of land.
- xvii) Preparation of plans.
- xviii) Securities of the railway materials.

## CHAPTER NO.03

### Review of the Depots, Critical Examination and Recommendations

#### 3.1 DEPOTS OF ENGG. WORKS OVER BHUSAWAL DIVISION:

- There are 12 major depots of Engg. (Works) over Bhusawal Division.

Engg.( Works) Depots		
Sr. No	Depot	Depot In charge
01	NKRD	SSE/Works/NKRD
02	MMR	SSE/Works/MMR
03	CSN	SSE/Works/CSN
04	ML BSL	SSE/ Works /ML BSL
05	BAU/ North	SSE/Works/BAU/ N
06	KNW	SSE/ Works /KNW
07	AK	SSE/ Works /AK
08	SEG	SSE/ Works /SEG
09	MKU	SSE/Works/MKU
10	MZR	SSE/ Works /MZR
11	BD	SSE/ Works /BD
12	BSL	SSE/Works, Spl. Works & other SSEs.

### 3.2 NKRD Engg. Works Depot

#### 3.2.1 Scale check of NKRD Engg. Works Depot staff:

Sr.No	Category	S/S	MOR	VAC.
01	MCM Mason	01	01	00
02	Mason Gr-I	03	00	03
03	Mason Gr-II	01	00	01
04	Mason Gr-III	01	03	+02
05	MCM Carpenter	01	01	00
06	Carpenter-I	02	01	01
07	Carpenter-III	01	01	00
08	Fitter-I	01	01	00
09	Fitter-II	01	00	01
10	Fitter-III	01	02	+01
11	MCM EP Driver	02	01	01
12	EP Driver-I	03	00	03
13	EP Driver-III	01	01	00
14	Black Smith-I	01	00	01
15	Sr.Cook	01	01	00
16.	H/Keeping Asst	03	02	01
17	Helper /Khalasi	27	23	04
18	Track man	00	01	+01
19	Office Peon	01	01	00
	Total	52	40	12

#### 3.2..2 Jurisdiction of Depot/ Depot- In charge :

From km 139 to km 216.

#### 3.2.3 Critical Analysis:

- Redundant/ Non- Operative posts identified in the Depot - **NIL.**
- Activities Outsourced in the Depot - **NIL.**
- Future planning for any outsourcing - **NIL.**

### 3.3 SSE/Works/MMR Depot:

#### 3.3.1 Scale check of Depot staff:

Sr. No	Category	S/S	MOR	VAC.
01	MCM FPO	01	01	00
02	FPO I	02	01	01
03	Painter- II	01	01	00
04	Fitter-I	02	01	01
05	Fitter-II	01	01	00
06	MCM Mason	01	01	00
07	Mason I	03	01	02
08	Plumber- III	01	00	01
09	MCM EPD	01	01	00
10	EPD-I	04	00	04
11	Carpenter-I	02	00	02
12	Carpenter-III	01	01	00
13	Black Smith-I	01	01	00
14	MCM Erector	01	01	00
15	Erecter-I	01	00	01
16	Cook III	01	00	01
17	Helper Khalasi	50	43	07
18	Safaiwala	03	03	00
19	Watchman	02	02	00
20	Mali Khalasi	01	00	01
21	Mate	01	00	01
22	Office peon	01	01	00
	Total	82	59	23

#### 3.3.2 Jurisdiction of Depot/ Depot- In charge:

From Ankai to Niphad

#### 3.3.3 Critical Analysis:

- Redundant/ Non- Operative posts identified in the Depot - NIL.
- Activities Outsourced in the Depot - NIL.
- Future planning for any outsourcing - NIL.

### 3. 4 CSN Engg. Works Depot

#### 3.4.1 Scale check of CSN Engg. Works Depot staff:

Sr.No	Category	S/S	MOR		Total	VAC.
			NGN	CSN		
01	MCM EPD	02	01	00	01	01
02	MCM Fitter	01	01	00	01	00
03	MCM Mason	01	00	01	01	00
04	Fitter –III	01	00	00	00	01
05	EP Driver-I	04	00	00	00	04
06	EP Driver-III	01	01	00	01	00
07	Mason-I	02	00	00	00	02
08	Mason-II	01	00	00	00	01
09	Mason-III	01	00	00	00	01
10	Carpenter-I	01	00	00	00	01
11	Carpenter-II	01	01	00	01	00
12	Carpenter-III	01	01	00	01	00
13	Painter-I	01	00	00	00	01
14	B Smith-III	01	01	00	01	00
15	Mate-II	02	02	00	02	00
16	Mate-III	02	00	02	02	00
17	Hd. Watchman	01	00	01	01	00
18	Sr.Watchman	01	00	00	00	01
19	Jr. Watchman	01	01	00	01	00
20	Safaiwala	02	00	00	00	02
21	Safaiwala	01	01	00	01	00
22	Hd. Khalasi	04	02	01	03	01
23	Hd. Khalasi	19	08	10	18	01
24	Sr. Khalasi	08	07	00	07	01
25	Jr.Khalasi	08	07	01	08	00
26	Office peon	01	01	00	01	00
	Total	69	35	16	51	18

#### 3.4.2 Jurisdiction of Depot/ Depot- In charge :

All railway quarters and service buildings from MMR (excluding) to PC (including).

CSN-DHI section including LC Gate.

### 3.4.3 Critical Analysis:

- Redundant/ Non- Operative posts identified in the Depot - **NIL.**
- Activities Outsourced in the Depot - **NIL.**
- Future planning for any outsourcing - **NIL.**

## 3.5 SSE/ML/BSL Engg. Depot

### 3.5.1 Scale check of staff:

Sr.No	Category	S/S	MOR		VAC.
			B.U. 3414	B.U 3420	
01	MCM Black smith	01	00	01	00
02	MCM EPD	02	01	01	00
03	MCM Fitter	01	01	00	00
04	Fitter Gr-I	01	00	00	01
05	Fitter Gr-II	01	00	01	00
06	Fitter Gr-III	01	00	00	01
07	Mason Gr-I	02	01	00	01
08	Mason Gr-II	02	00	00	02
09	Mason Gr-III	02	00	02	00
10	Plumber-I	01	00	01	00
11	Painter-I	01	00	00	01
12	Carpenter –I	02	00	00	02
13	Carpenter –II	01	00	00	01
14	Carpenter –III	01	00	00	01
15	EP Driver-I	04	01	00	03
16	EP Driver-II	02	00	00	02
17	EP Driver-III	02	01	00	01
18	<b>Motor Driver-I</b>	<b>01</b>	<b>00</b>	<b>00</b>	<b>01</b>
19	Helper khalasi	27	13	09	05
20	Peon	01	00	00	01
	Total	56	18	15	23

Category	MOR
SSE/Wks/ML BSL	01
SSE/Wks JL	01
SSE/Wks SPL JL	01
SSE/Wks BSL/PC	01
OS	00
Clerk	00

### **3.5.2 Jurisdiction of Depot/ Depot- In charge:**

- i) DSK to PC (Excluding BSL)
- ii) PC to JMNR section.

### **3.5.3 Critical Analysis:**

- Redundant/ Non- Operative posts identified in the Depot - **NIL.**
- Activities Outsourced in the Depot - **NIL.**
- Future planning for any outsourcing - **NIL**



### 3.6 KNW Engg. Works Depot

#### 3.6.1 Scale check of KNW Engg. Works Depot staff:

Sr.No	Category	S/S	MOR	VAC.
01	MCM Mason	02	02	00
02	Mason I	04	03	01
03	Mason II	02	00	02
04	Mason III	00	02	+02
05	Black Smith-II	01	00	01
06	Fitter-I	01	01	00
07	Fitter-III	01	00	01
08	MCM carpenter	02	02	00
09	Carpenter-I	02	02	00
10	Carpenter-III	01	01	00
11	Painter-I	01	00	01
12	Painter-III	01	01	00
13	EPD-I	05	00	05
14	EPD-II	01	02	+01
15	Filter pump operator-III	01	01	00
16	Care taker	01	00	01
17	Watchman	01	02	+01
18	Khalasi	32	28	04
19	Mali	01	00	01
20	Peon	01	01	00
	Total	61	48	13

#### 3.6.2 Jurisdiction of Depot/ Depot- In charge:

KNW to SAV stn.

#### 3.6.3 Critical Analysis :

- Redundant/ Non- Operative posts identified in the Depot - **NIL.**
- Activities Outsourced in the Depot - **NIL.**
- Future planning for any outsourcing - **NIL.**

### 3.7 AK Engg Works Depot

#### 3.7.1 Scale check of AK Engg Works Depot staff:

Sr.No	Category	S/S	MOR		VAC.
			AK	SEG+MKU	
01	Painter Gr-I	01	00	00	01
02	Fitter Gr-I	02	01	00	01
03	Fitter Gr-III	01	02	00	+01
04	MCM Mason	01	00	00	01
05	Mason –I	02	01	00	01
06	Mason –III	03	00	00	03
07	MCM Plumber	01	00	00	01
08	MCM EPD	02	02	00	00
09	EPD-I	05	00	00	05
10	EPD-II	01	02	00	+01
11	EPD-III	02	07	00	+05
12	Carpentor-I	02	00	00	02
13	Carpentor-III	02	02	01	+01
14	MCM Blacksmith	01	01	00	00
15	Black smith-I	01	00	00	01
16	Caretaker	01	01	00	00
17	Mate	02	00	00	02
18	Safaiwala	02	00	00	02
19	Trolleyman	04	03	00	01
20	Watch man	02	02	00	00
21	Khalasi	50	23	08	19
22	Peon	01	01	00	00
	Total	89	48	9	32

**3.7.2 Jurisdiction of Depot/ Depot- In charge:** From AK to MKU. There are 03 SSE/Works at AK, SEG and MKU (MKU-BSL –C Cabin.).

#### 3.7.3 Critical Analysis:

- Redundant/ Non- Operative posts identified in the Depot - **NIL.**
- Activities Outsourced in the Depot - **NIL.**
- Future planning for any outsourcing - **NIL.**

### 3.8 BD Engg. Works Depot

#### 3.8.1 Scale check of BD Engg. Works Depot staff:

Sr.No	Category	S/S	MOR		VAC	
			MZR	BD	MZR	BD
01	Fitter MCM	01	01	00	00	00
02	Fitter-I	01	00	00	01	00
03	Fitter-III	01	00	01	00	00
04	Mason MCM	01	01	00	00	00
05	Mason-I	04	01	00	02	01
06	Mason-II	01	00	00	01	00
07	Mason-III	02	01	02	00	+01
08	Carpenter MCM	01	01	01	+01	00
09	Carpenter –I	02	00	00	02	00
10	Carpenter –II	01	00	00	00	01
11	Black smith MCM	01	00	00	01	00
12	Painter MCM	01	00	01	00	00
13	EPD MCM	04	00	02	00	02
14	EPD –I	04	00	00	04	00
15	EPD –III	04	02	04	+02	00
16	FPO MCM	01	00	00	01	00
17	AFO –III	01	01	00	00	00
18	Care taker	01	00	00	00	01
19	Plumber –II	01	00	01	00	00
20	Safaiwala	01	00	00	01	00
21	Trolley man	04	03	01	00	00
22	Office peon	01	00	00	01	00
23	Khalasi	53	24	10	14	05
	Total	92	35	23	25	09

#### 3.8.2 Jurisdiction of Depot/ Depot- In charge:

From BD to AK (excluding)

#### 3.8.3 Critical Analysis:

- Redundant/ Non- Operative posts identified in the Depot - **NIL.**
- Activities Outsourced in the Depot - **NIL.**
- Future planning for any outsourcing - **NIL.**

### 3.9 BSL Engg. Works Depot :

#### 3.9.1 Scale check of BSL Engg. Works Depot staff:

Sr.No	Category	S/S	MOR	VAC.
01	Mason MCM	03	01	02
02	Mason -I	10	02	08
03	Mason –II	02	00	02
04	Mason -III	00	01	+01
05	Carpenter-MCM	03	03	00
06	Carpenter-I	06	01	05
07	Carpenter-II	01	00	01
08	Carpenter-III	01	02	01
09	MCM Fitter	01	01	00
10	Fitter-I	03	02	01
11	Fitter-III	00	02	+02
12	MCM Plumber	01	00	01
13	Plumber –I	01	00	01
14	Painter-I	02	00	02
15	Painter-III	00	01	+01
16	B/Smith –MCM	01	00	01
17	B/Smith-I	01	00	01
18	B/Smith-II	00	01	+01
19	M/Driver MCM	01	01	00
20	M/Driver-I	01	01	00
21	M/Driver-II	02	01	01
22	M/Driver-III	01	01	00
23	Motor Cleaner	05	00	05
24	Watchman	08	07	01
25	Safaiwala	15	10	05
26	W/S Mate	01	02	+01
27	Khalasi	126	110	16
	Total	197	150	47

### **3.9.2 Jurisdiction of Depot/ Depot- In charge :**

All Bhuswal railway premises. SSE/Works working in BSL are posted at 15 blocks, Loco, Station, Work Shop, Central Zone, 40 Block, Kandari, ZTC, Hospital, Pump House, DRM office.

### **3.9.3 Critical Analysis :**

Redundant/ Non- Operative posts identified in the Depot - **NIL.**

Future planning for any outsourcing - **NIL.**

Activities Outsourced in the Depot - **some local repairs and maintenance works.**

### 3.10 Critical Analysis & Recommendations:

#### 1) MMR Depot:

At MMR Engg. Works depot:

Sr.No	Category	No. of Posts	Remark
01	Cook-III	01	Vacant
02	Mali Khalasi	01	Vacant
03	Mate	01	Vacant

After detailed discussion with the concerning SSE/Works above posts are not essential/required in the depot, also these posts are lying vacant since a long time and hence these posts can be surrendered.

#### 2) SSE/ML/BSL:

The Work Study team studied all the posts in the depot and all posts are found need based. Only one post of Motor Driver-I (vacant) is of no use in the depot as there is no any vehicle under depot in charge. Hence this post of can be surrendered.

#### 3) AK Engg. Works

The Work Study team studied all the posts in the depot and all posts are found need based. Two posts of Mate (vacant) is found as surplus in this depot. Hence these post of can be surrendered.

#### 4) BSL ENGG. WORKS DEPOT:

At this depot, there was two vehicles one truck and one Jeep. These two vehicles are condemned and sold in auction. At present vehicles of Sr.DEN/North and Sr.DEN/East are on contract basis.

In the scale check of this depot there are 05 posts of Motor Cleaner are lying vacant since a long time. These posts are of no use so they can be surrendered.

Similarly one post of cook –III is identified as surplus as there is no use of such post, so it can be also surrendered.

At this depot 16 posts of Khalasi was also lying vacant. Out of these 10 posts have been utilized for creation of posts of JE. Now only 06 posts are vacant. These posts are necessary for deployment of other medically decategorised and to adjust other weak staff. At present local repairs and maintenance are carried out by local contractors at zonal/local level.

### Summary of posts recommended for surrendering:

Depot	Category	Matrix level	No: of posts
MMR	Cook-III	L-2	01
	Mali Khalasi	L-1	01
	Mate	L-2	01
SSE/ML/BSL	Motor Driver-I	L-5	01
AK Engg. Works	Mate	L-2	02
BSL ENGG. WORKS	Motor Cleaner	L-1	05
DEPOT	Cook-III	L-2	01
<b>TOTAL</b>			<b>12</b>

### CHAPTER NO.06 FINANCIAL IMPLICATION

As per the recommendation of the Work Study report, 12 posts are identified as surplus and the money value as a result of surrender of these posts is worked out as under:

Depot	Category	Level	Mean Value	DA=17%	Monthly money value	Annual money value	No. of posts	Total Annual saving in Rs.
MMR	Cook-III	L-2	22950	3902	26852	322224	01	322224
	Mali Khalasi	L-1	20750	3528	24278	291336	01	291336
	Mate	L-2	22950	3902	26852	322224	01	322224
SSE/ML/BSL	Motor Driver-I	L-5	33650	5721	39371	472452	01	472452
AK Engg. Works	Mate	L-2	22950	3902	26852	322224	02	644448
BSL ENGG. WORKS DEPOT	Motor Cleaner	L-1	20750	3528	24278	291336	05	1456680
	Cook-III	L-2	22950	3902	26852	322224	01	322224
		Total saving						38,31,588

On surrendering of these 12 posts, the recurring saving will be Rs. 38,31,588 per annum

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29/01/2020

### **NOTE**

Sub:-Work-Study Report (Draft) on Review of Engineering (Works)

staff of Bhusawal Division.

**\*\*\*\*\***

The above-subjected study proposed / sponsored by AGM (C.R), with approval of Railway Board is included as a programmed study for the year 2019-20. The recommendation of this report is to surrender the following posts as follows:

Category	Matrix level	No: of posts
Cook-III	L-2	02
Mali Khalasi	L-1	01
Mate	L-2	03
Motor Driver-I	L-5	01
Motor Cleaner	L-1	05
<b>Total</b>		<b>12</b>

A copy of the work-study report/draft is prepared & sent herewith for remarks / acceptance please.

(V.S.Tayade)  
WSI / BSL.

Sr.DEN (Co.)

ADRM



