



WORK STUDY REPORT

ON

REVIEW OF STAFF WORKING IN TICKET PRINTING PRESS,

ALAMBAGH, LUCKNOW, NORTHERN RAILWAY

2018-19

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DATE OF START : 20/04/2018
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EXECUTIVE SUMMARY

The study of Ticket Printing Press, AMV, LKO was allotted to the Central Planning Cell, HQ Office, on the directives of SDGM/NR to review staff strength of Gr 'C' & 'D' with a view to eliminate the wasteful expenditure and to bring economy in the railways working and to suggest ways and means to improve manpower productivity and efficiency.

STAFF POSITION

The total sanctioned and on roll strength of Group 'C' & 'D' staff working in Ticket Printing Press, AMV is given below: -

S.No.	Category	S/S	O/R	Variation
1	SSE	07	04	03
2	COS	04	02	02
3	JE	03	01	02
4	OS	11	-	11
5	MCM	31	28	03
6	Sr. Clerk	05	-	05
7	Technician-I	61	35	26
8	Technician-II	09	09	-
9	Technician-III	13	05	08
10	Clerk	03	-	03
11	Packer man	04	-	04
12	Group 'D'	15	01	14
Total		166	85	81

Number of posts identified as surplus and recommended for surrender.

Group 'C' = 147 Posts

Group 'D' = 19 Posts

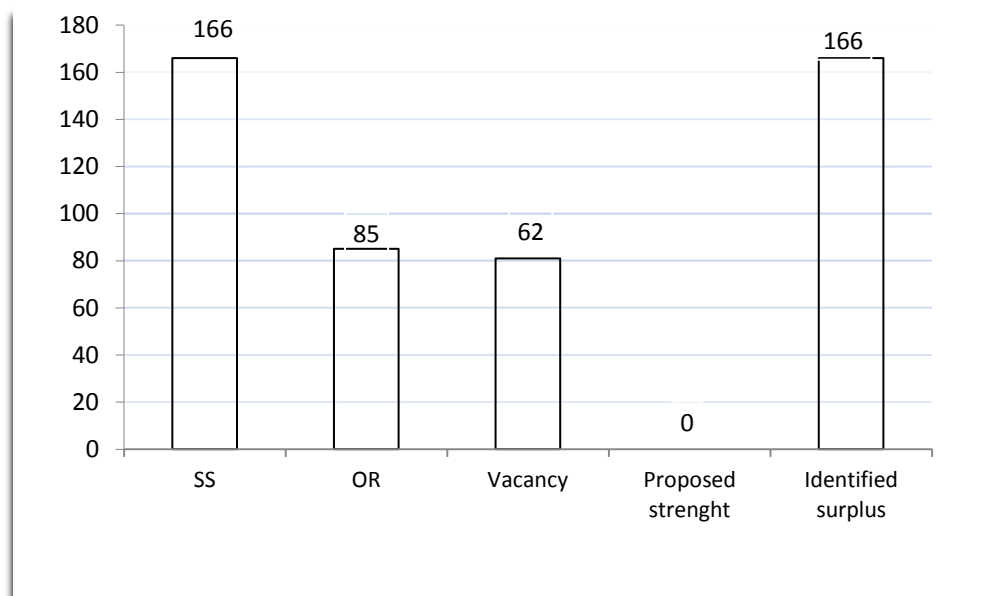
Total = 166 Posts

FINANCIAL IMPLICATIONS

Anticipated recurring saving = ₹ 1312.51 Lacs per annum

Capital Saving = Nil

Total recurring saving = ₹ 1312.51 Lacs per annum.



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SYNOPSIS

Indian Railway is the cheapest mode of transport in the country. It is the biggest organization of Government of India in terms of staff employed. Several departments are functioning as a team to keep the wheels moving and achieve the goal by transporting passenger and freight from one place to another. Indian Railways having the route length of about 65000 kms provides mode of transportation of freight and passengers traffic at an optimum level of security, safety and reliability. The travelling passengers are required to obtain ticket for travel in train. In Railways, the Ticket Printing Presses have been entrusted to fabricate, print and supply of tickets to various stations. Sale of tickets is an important source of revenue earnings for the railways.

With the advancement of technology in almost every sphere of Indian Railways over a period of time, there are visible changes in the working of Ticket Printing too. The main thrust, however, has been towards passenger amenities and customer friendly approach which has resulted in voluminous increase in passenger traffic. Mechanized systems of issuing tickets by SPTM/UTS have been installed in booking offices at various stations. Presently the internet/e-ticketing/mobile ticketing for reserved tickets handles about 65% of the total reserved tickets. Similarly issuing of unreserved tickets on mobile and installation of Smart Card Based Ticketing Kiosk (ATVM) at stations has reduced the requirement of PCT/PRS/UTS tickets.

Keeping in view of above, it was felt that there is a need to assess the requirement of manpower of Ticket Printing Press, AMV, LKO. Consequently, SDGM/NR assigned this work study to conduct a review of "Staff working in Ticket Printing Press, AMV" with a view to eliminate wasteful expenditure and to economize the services. The work study team analyzed the working of staff & machines and observed that there is need for reviewing of manpower employed in Ticket Printing Press, AMV, LKO.

Keeping in view of above, work study has been conducted at Ticket Printing Press, AMV and recommended surrender of 166 posts (Gr 'C'=147, Gr 'D'=19), if recommendations made in reports are accepted in toto, a net recurring saving to the tune of ₹ 1312.51 lacs per annum can be achieved.

SUMMARY OF RECOMMENDATIONS

Rec No.	Recommendations	Refer para no.	Accepting/ Implementing authority																					
	<p>It is proposed that 166 posts of different categories from different sections of the Ticket Printing Press, AMV are identified as surplus and recommended for surrender.</p> <table><tr><td>SSE/COS</td><td>Grade 9300-34800-4600</td><td>=11</td></tr><tr><td>JE /OS/MCM</td><td>Grade 9300-34800-4200</td><td>=45</td></tr><tr><td>Sr. Clerk/ Tech.I</td><td>Grade 5200-20200-2800</td><td>=66</td></tr><tr><td>Tech.II</td><td>Grade 5200-20200-2400</td><td>=09</td></tr><tr><td>Clerk/Tech.III</td><td>Grade 5200-20200-1900</td><td>=16</td></tr><tr><td>Packerman/Daftari</td><td>Grade 9300-34800-1800</td><td>=19</td></tr><tr><td>/Peon/Helper</td><td></td><td>Total =166</td></tr></table>	SSE/COS	Grade 9300-34800-4600	=11	JE /OS/MCM	Grade 9300-34800-4200	=45	Sr. Clerk/ Tech.I	Grade 5200-20200-2800	=66	Tech.II	Grade 5200-20200-2400	=09	Clerk/Tech.III	Grade 5200-20200-1900	=16	Packerman/Daftari	Grade 9300-34800-1800	=19	/Peon/Helper		Total =166	2.6.0	CMPS, Printing press, SSB. Dy.CMM/AMV
SSE/COS	Grade 9300-34800-4600	=11																						
JE /OS/MCM	Grade 9300-34800-4200	=45																						
Sr. Clerk/ Tech.I	Grade 5200-20200-2800	=66																						
Tech.II	Grade 5200-20200-2400	=09																						
Clerk/Tech.III	Grade 5200-20200-1900	=16																						
Packerman/Daftari	Grade 9300-34800-1800	=19																						
/Peon/Helper		Total =166																						

ACKNOWLEDGEMENT

The work study team is highly grateful to Shri Shri Alok Mishra, Dy.CMM/AMV, Shri Deepankar Gupta, Sr. Manager, Printing and stationary/SSB, Shri G.C.P.Gupta, SMM/DSL/AMV and other functionaries for extending their full co-operation in providing relevant data/information and giving their valuable guidance to the team during the conduct of the study.

1.0 INTRODUCTION

- 1.1 Expenditure on printing of Printed Card Tickets is a huge amount which is being born by Railways in spite of the advancement of technologies like e-ticketing/i-ticketing/mobile ticketing and installation of ATVMs etc at stations. Store department is entrusted the responsibility to meet the zonal demands effectively. As a matter of fact, the printing presses were established for money value books, tickets, passes and PTOs etc to avoid any possible fraud if printed through trade. Subsequently other items were also printed as per demand in these presses. It is submitted that Money value, passes and PTOs etc are not printed in TPP/AMV.
- 1.2 During the recent past, various sophisticated machines have been introduced for printing PCTs/PRS/UTS tickets over the Railways in the field of printing technology. To meet the increasing demands of emergent requirements of PRS/UTS tickets are being off loaded to trade to achieve economy and quality in printing.
- 1.3 The practice of off loading of printing work to trade has now become regular feature as it is quite economical due to lower cost as compared to departmental system. All possible efforts are now being made to achieve quality in printing through trade, except the money value books, this is resulted a gradual decline in the work load of printing presses. As a result of fact above activities have become redundant/unproductive and uneconomical to the Railways.
- 1.4 Keeping in view of above, SDGM/NR directed to conduct the "Review of staff working in Ticket Printing Press, Alambagh, LKO." to eliminate redundant/unproductive activities and to optimize the effective utilization of manpower. It was also emphasized to get away from unproductive and obsolete activities and suggest ways and means to improve the system by technological up gradation/advancements.
- 1.7 TERMS OF REFERENCE:
The work study team has conducted study under the following terms of references:-
1. To review staff strength vis-à-vis existing workload.
 - 3 To identify redundant/unproductive activities and get away with these activities to improve productivity.
 - 4 To suggest ways and means to improve the efficiency and productivity of the system.

1.8 METHODOLOGY ADOPTED

The following techniques of work study were adopted to conduct the study: -

- i) Data collection and its critical analysis.
- ii) Work sampling, physical observations, spot checks, analytical estimation, prevailing yardstick in vogue, if any to access the actual workload.
- iii) Held discussions at various levels.

2.0.0 BRIEF DESCRIPTION, ORGANIZATION SET UP, STAFF POSITION, WORKLOAD, CRITICAL ANALYSIS, PROPOSED REQUIREMENT OF STAFF AND RECOMMENDATIONS.

2.1.1 BRIEF DESCRIPTION

The Printing Press & Stationary organization is headed by Chief Manager, Printing & Stationary, SSB. The Ticket Printing Press at AMV/LKO is under the administrative control of Dy.CMM/AMV/LKO and assisted by Sr. Manager TPP/AMV.

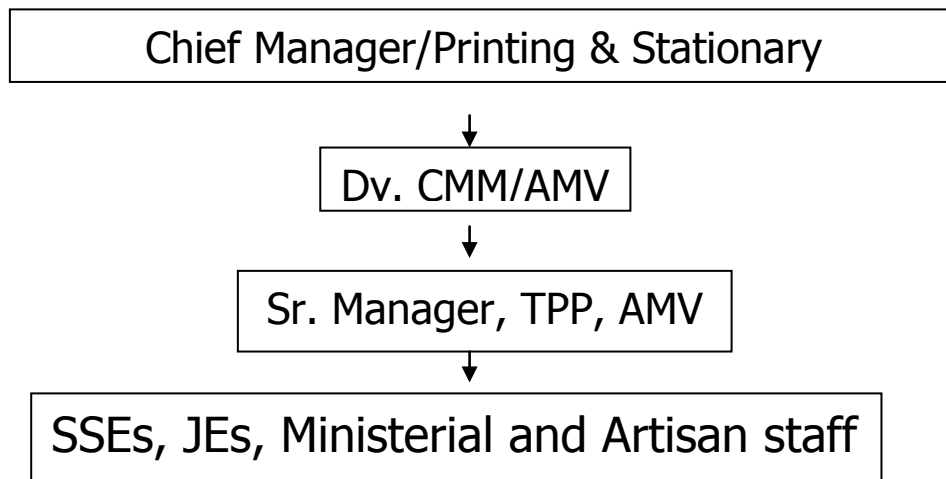
2.1.2 The Ticket Printing Press, AMV is working in the existing premises since 1994. This press covers an area of about 10000 sq.meters and consists of three major halls for ticket printing, ticket fabrication, UTS and chambers of Sr. Manager, SSEs, store and office.

2.1.3 By virtue of modernization and system developments as well as to achieve economy in this area, this workload is being off loaded to trade day by day. The work load of multicolored PRS and UTS tickets completely off loaded to trade. Consequently, certain activities have become redundant/uneconomical and have causing recurring loss to Railways due to under utilization of manpower and machines.

2.1.4 There are 21 ticket printing machines in the press. One machine (Albion hand press) has been kept as heritage in TPP/AMV.

2.1.5 In view of above, it is significant to conduct the work-study "Review of staff working in Ticket Printing Press, AMV, LKO" to effect optimum utilization of manpower and machines.

2.2.0 Organizational setup:-



2.2.1 The Ticket Printing Press, AMV consists of two main units i.e. Fabrication unit and Printing unit.

2.2.2 FABRICATION UNIT

In this unit, ticket boards are received from store depot, AMV. These boards are printed on both sides in full sheet. After printing these boards stripped and chopped to get blank card tickets. Blank tickets are packed into boxes and are sent to the Printing unit for printing.

2.2.3 PRINTING UNIT

The indents of tickets received from stations in the TPP/AMV office are sent to the printing unit. Composing section to compose the details viz station from, station to, distance in kilometers, fare in rupees, passenger/Mail Exp etc, bilingually i.e. in Hindi and English by using various letter heads. A proof of the same is checked by the proof reader to find any error for necessary correction through the compositors. The composed blocks are fixed in the printing machines. The blank card tickets received from fabrication unit are loaded in the in-duct bridge of the printing machine to get printing card tickets from the out duct.

2.2.4 UTS PRINTING UNIT

The Unreserved tickets rolls are printed in the UTS section of TPP, AMV. The paper reel (policy bond) procured by Printing and Stationary depot, SSB are sent to TPP, AMV for printing of UTS tickets. Two rolls of 15000 tickets each are printed out from one paper reel. These rolls are further reduced to rolls of 500 tickets each through spooling machine. The carton boxes containing 20 rolls each are packed in gunny bags for further disposal through parcel office, LKO.

2.3.0 STAFF POSITION

During the course of study, the team collected the detailed staff position from Ticket Printing Press, AMV which is placed as annexure no. I.

SN	Category	Pay scale G.P.	S/S	O/R	Vacancy
1	SSE	9300-34800-4600	07	03	04
2	JE	9300-34800-4200	03	02	01
Ministerial					
3	Ch. O.S.	9300-34800-4800	04	02	02
4	O.S.	9300-34800-4200	11	-	11
5	Sr. Clerk	5200-20200-2800	05	-	05
6	Clerk	5200-20200-1900	03	-	03
Compositor					
7	MCM	9300-34800-4200	07	06	01
8	Technician-I	5200-20200-2800	10	04	06
9	Technician-II	5200-20200-2400	02	02	-
10	Technician-III	5200-20200-1900	03	01	02
Machine man					
11	MCM	9300-34800-4200	11	10	01
12	Technician-I	5200-20200-2800	22	12	10

13	Technician-II	5200-20200-2400	02	02	-
14	Technician-III	5200-20200-1900	05	02	03
Ticket Counter					
15	MCM	9300-34800-4200	09	08	01
16	Technician-I	5200-20200-2800	20	12	08
17	Technician-II	5200-20200-2400	01	01	-
18	Technician-III	5200-20200-1900	03	01	02
Proof Reader					
19	MCM	9300-34800-4200	01	01	-
20	Technician-I	5200-20200-2800	01	01	-
21	Technician-II	5200-20200-2400	01	01	-
Fitter					
23	MCM	9300-34800-4200	01	01	-
24	Technician-I	5200-20200-2800	01	01	-
25	Technician-II	5200-20200-2400	01	01	-
26	Technician-III	5200-20200-1900	01	01	-
Chopping Machine Operator					
27	MCM	9300-34800-4200	01	01	-
28	Technician-I	5200-20200-2800	06	04	02
29	Technician-II	5200-20200-2400	01	01	-
Slitting Machine Operator					
31	MCM	9300-34800-4200	01	01	-
32	Technician-I	5200-20200-2800	01	01	-
33	Technician-II	5200-20200-2400	01	01	-
34	Technician-III	5200-20200-1900	01	-	01
Group 'D'					
36	Packer Man	5200-20200-1800	04	-	04
37	Daftari	5200-20200-1800	02	-	02
38	Peon	5200-20200-1800	01	01	-
39	Helper	5200-20200-1800	12	-	12
Total			166	85	81

The above table reveals that the sanctioned strength of staff working in TPP, AMV is 166 whereas 85 are on roll with 81 vacant posts.

2.3.1 WORKLOAD

2.3.2 The Ticket Printing Press, AMV is feeding printed card tickets to 11 divisions of NR, NCR and ECR. The division wise yearly average demand/workload of printed card tickets and UTS tickets is placed as annexure no. II in the report and reproduced below:-

Year	PCT(Printed Card Tickets)		UTS(Unreserved ticketing system)	
	Demand (in nos.) (In crores)	Supply (in nos.) (In crores)	Demand (in nos.) (In crores)	Supply (in nos.) (In crores)
2014-15	2.90	3.00	5.22	8.26
2015-16	2.93	3.04	4.98	8.82
2016-17	3.07	2.97	3.89	6.93
2017-18	3.49 (including 1.63 of SCR)	3.59	2.36	4.64
The demand balance for PCT is 27.43 lacs.				

The above table reveals that the TPP/AMV has supplied about 3.59 crores PCTs and 4.64 crores UTS tickets in the year 2017-18.

- 2.3.7 The team was apprised that out of the total demand of UTS tickets of Northern Railway, this Press printed out about 4.64 crores in a year and rest of the demand has met by procuring UTS tickets from vendors by SMPS/SSB.

2.4.0 CRITICAL ANALYSIS

- 2.4.1 During the course of study, the team was apprised that the following norms are being adopted for printing of card tickets.

a. 25000 tickets per day without any change per machine man.

b. 15000 tickets per day with 10 changes per machine man.

Change means changing of chases on printing machine by machine man. The team has taken the workload of 2017-18 for calculation of requirement of manpower. After subtracting 93 days i.e. 52 Sunday, 26 Saturday, 14 GH and one extra GH from 365 days.

No. of tickets to be printed by each machine man to achieve target of 3.59 crores $\text{tickets} = 35900000 / 40 \times 272 = 3299.63$ or say 3300 tickets/day/machine man.

(Total no. of tickets/Sanctioned strength of Machine man x no. of effective working days.)

As per practice, the output set per man per day is 25000 tickets and the same has been taken for calculation. The actual output comes to 3300 tickets/machine man/day. This means that the actual output is about 13.20 % which shows 87.80% under utilization of existing manpower and machines.

- 2.4.2 In actual practice one ticket counter has to count/check 26000 tickets per day after printing out of the machine. Printed card tickets are placed serially in a tray by the machine man. When the printing is completed, the tray containing printed card tickets is handed over to the ticket counter sitting in rear of the machine man. The ticket counter counts/checks the tickets and makes the packs of 100 tickets by tying around each pack. He further makes out bundles of 1000 tickets each by tying sutli on 10 packs of 100 tickets each.

The actual work load of ticket counting i.e 3.59 Cr by one ticket counter comes out as $35900000 / 33 \times 272 = 3999.55$ or say 4000 tickets/day/ticket counter. As per practice, in vogue 26000 tickets are required to be counted per ticket counter per day. But actual output comes to 4000 tickets/day/ticket counter. This clearly shows that actual output is only 15.38 % which shows 84.62 under utilization of men and machines.

With the introduction of advanced technologies and modernization in the every sphere of railway working, a considerable work load has been reduced. In the series of modernization, UTS/tickets on mobile and

installation of AVTM have replaced the conventional/traditional printing card tickets for booking of passengers. One UTS ticket can be issued up to a maximum of six passengers whereas six printed card tickets were required to book six passengers. Hence requirement of tickets has reduced considerably with the introduction of new technologies.

2.5.0 PROPOSED REQUIREMENT OF STAFF

2.5.1 This is the established fact that the workload of printed card tickets and UTS tickets is going on reducing with the progressive installation of UTS machine, internet/e-ticketing/mobile ticketing for reserved tickets, issuing of unreserved tickets through mobile phones and installation of Smart Card Based Ticketing Kiosk (ATVM) at stations which has definitely reduced the requirement of PCT/PRS/UTS tickets.

2.5.2 There is no yard stick in vogue to assess the requirement of manpower of TPP/AMV. The norms for printing out 25000 tickets per man per day without any change and 15000 tickets per man per day with 10 changes are being adopted in the TPP/AMV. The demand workload of printing out card tickets for year 2017-18 is 35900000. After subtracting 93 days i.e. 52 Sunday, 26 Saturday, 14 GH and one extra GH from 365 days, the working days comes to 272 days.

Thus the workload of PCT for one day= $35900000/272=131985$ tickets. The yard stick in vogue is 25000 tickets per man per day for printing. Similarly about 46400000 UTS tickets are to be printed in a year so per day UTS tickets required to be printed $=46400000/272=170588.00$ taking 272 effective days in a year. One operator has to print 24000 UTS tickets per day.

2.5.3 Proposed requirement of Staff

Description		No. of staff required
Machine man		
1.	The requirement of machine man for Printed Card Tickets to be printed per day i.e. $131985/25000$	5.27
	Machine man (Cylinder Machine Operator) required for 3000 tickets board impressions in 8 hrs shift	02
	Proof Press Man (Ancillary work) for distribution of polymer plates to ticket printers and waste tickets cutting and burning	01
	Sub total	08.27
	The requirement of machine man for printing of UTS tickets per day i.e. $170588/24000$	07.10
	Total	15.37

	Add LR@12.5% on 15.37	1.92
	G.Total	17.29 or say 17 men
Ticket Counter		
2	The requirement of ticket counter for PCT i.e.131985/26000	5.07
	The requirement of ticket counter for UTS i.e. 170588/26000(i.e. staff required for spooling, labeling and packing of UTS tickets in 8 hrs shift)	6.56
	Sub total	11.63
	Add LR@12.5% on 11.63	1.45
	G.Total	13.08 or say 13 men
Compositor		
3	Compositor required for distributing and find out type letter from dismantled boxes/scrap.	01
	For composition of boxes and correction thereof from proof reader and machine man in 02 shifts.	04
	Sub total	05
	Add LR @ 12.5% on 05	0.62
	Total	5.62 or say 06 men.
Proof Reader		
4	Proof reader required in 02 shifts	02
	For LR work	01
	Total	03 men.
Fitter		
5	Fitters required for PCT, TFU and UTS sections	02
	For LR work	01
	Total	03 men.
Slitting Machine Operator		
6	Slitting Machine Operator in 02 shifts. (One slitting machine operator has to cut 12500 strips in 8 hrs shift.)	02
	For LR work	01
	Total	03 men.
Chopping Machine Operator		
7	Chopping machine operator in three shifts. (One chopper machine operator has to chop 125000 tickets in 8 hrs shift.)	03

	For LR work	01
	Total	04 men.
Supervisors		
8	SSE/PCT&UTS=01,SSE/TFU & SSE/ Composing=01, SSE/Counting and dispatch=01 Total=03. JE/TFU (Night shift) =01, JE/UTS (Night shift) =01. Hence the requirement of Supervisory staff comes to 05.	05

2.5.4 Requirement of Ministerial staff

The proposed strength of ministerial staff		
1	General correspondence and preparation of PCDO/ Registration of indents received from 11 divisions, posting in ledgers division wise/,Supply clerk for Printed Card and entries in TP- 5 books, arranging for dispatch of PCTs, Registration of RRs/TIAs for all divisions,Stores/ Booking of parcel of printed PCTs and UTs to the concerned stations/divisions through Parcel Office	01
2	Dispatch of tickets printed on behalf of yearly, half yearly and emergent indents, UTS Clerk i.e. entry of work order for UTs and storing of all the raw material required for unreserved tickets, Preparation of bills, passes and maintaining leave record	01
Total		02

The sanctioned strength of ministerial staff is 23 whereas 02 are one roll with 21 vacant posts and the actual requirement also comes to 02 staff.

2.5.5 Requirement of Group 'D' staff

The proposed strength of ministerial staff			
S.N.	Category	Sections	Proposed strength
1	Helper	Composting	02
2		PCT Printing	
3		Counting	
4		Dispatch	
5		TFU	
6		UTS Printing	
7		UTS distribution	
8		Maintenance	
Total			02
09	Packer Man.	Printing and	02

		Fabrication unit	
10	Peon	May be utilized as daftari.	01
G.Total			05

The sanctioned strength of Helper is 16 whereas 02 are one roll with 14 vacant posts. The requirement of Helper comes to 02. The requirement of packer man comes to 02. Similarly the requirement of Peon comes to 01.

2.5.6 Overall summary of existing and proposed strength of Gr 'C' and 'D' staff.

S.No.	Category	Existing strength		Proposed strength	Identified surplus
		S/S	O/R		
1	SSE	07	03	03	04
2	JE	03	02	02	01
3	Machine Man	40	26	17	23
3	Compositor	22	13	07	15
4	Ticket Counter	33	22	13	20
5	Proof Reader	03	03	03	-
6	Fitter	04	04	03	01
8	Chopping Machine Operator	08	06	04	04
9	Slitting Machine Operator	04	03	03	01
10	Ministerial	23	02	02	21
11	Packer Man	04	-	02	02
12	Helper	12	-	02	10
13	Daftari	02	-	-	02
14	Peon	01	01	01	-
Total		166	85	62	104

The above table reveals that the proposed requirement of staff or TPP/AMV comes to 62 against the sanctioned strength of 166.

- 2.5.7 (i) During the course of study the team observed that the TPP/AMV is handling very meager workload. As per practice, the output set per man per day is 25000 tickets. The actual output comes to 3300 tickets/machine man/day. This means that the actual output is only 13.20 % workload to be handled, which shows an under utilization of existing manpower and machines which is uneconomical to the Railway Organization.
- (ii) This is the fact that consumption of PCTs and UTS tickets has reduced drastically these have become outdated for the passenger and due to increasing trend of internet/e-ticketing/mobile ticketing for reserved tickets and issuing of unreserved tickets through mobile phones and installation of Smart Card Based Ticketing Kiosk (ATVM) at stations and

so that existing workload will be reduced minimal or negligible in future due to technological up gradation.

Considering above facts, it is clear that financially it is not viable and beneficial for Railway Organization to run TPP/AMV as independent unit with such a less and diminishing workload. This will also a milestone in the direction of paper less working over Indian Railways. So, it is proposed that all the sanctioned strength of 166 of Printing Press, AMV may be surrendered.

Recommendation No.1

It is proposed that all the 166 sanctioned posts of different categories and grades are identified as surplus from TPP/AMV and recommended for surrender.

S.No.	Category	Pay scale G.P.	No. of posts identified surplus
1	SSE	9300-34800-4600	07
2	JE	9300-34800-4200	03
3	Ch. O.S.	9300-34800-4600	04
4	O.S.	9300-34800-4200	11
5	Sr. Clerk	5200-20200-2800	05
6	Clerk	5200-20200-1900	03
7	MCM	9300-34800-4200	07
8	Technician-I	5200-20200-2800	10
9	Technician-II	5200-20200-2400	02
10	Technician-III	5200-20200-1900	03
11	MCM	9300-34800-4200	11
12	Technician-I	5200-20200-2800	22
13	Technician-II	5200-20200-2400	02
14	Technician-III	5200-20200-1900	05
15	MCM	9300-34800-4200	09
16	Technician-I	5200-20200-2800	20
17	Technician-II	5200-20200-2400	01
18	Technician-III	5200-20200-1900	03
19	MCM	9300-34800-4200	01
20	Technician-I	5200-20200-2800	01
21	Technician-II	5200-20200-2400	01
23	MCM	9300-34800-4200	01
24	Technician-I	5200-20200-2800	01
25	Technician-II	5200-20200-2400	01
26	Technician-III	5200-20200-1900	01
27	MCM	9300-34800-4200	01
28	Technician-I	5200-20200-2800	06
29	Technician-II	5200-20200-2400	01
31	MCM	9300-34800-4200	01
32	Technician-I	5200-20200-2800	01
33	Technician-II	5200-20200-2400	01

34	Technician-III	5200-20200-1900	01
36	Packer Man	5200-20200-1800	04
37	Daftari	5200-20200-1800	02
38	Peon	5200-20200-1800	01
39	Helper	5200-20200-1800	12
Total			166

3.00 FINANCIAL IMPLICATIONS

3.1.0 The annual expenditure as per 7th CPC on staff working in Ticket Printing Press, AMV is as under:-

S.No.	Category	Grade Rs.	Monthly value per post	S/S	Monthly expenditure	Annual expenditure
1	SSE/COS	9300-34800-4600	100206	11	1102266.00	13227192.00
2	JE/OS/MCM	9300-34800-4200	79073	45	3559185.00	42710220.00
3	Sr. Clerk/Tech.-I	5200-20200-2800	65003	66	4290198.00	51482376.00
4	Tech.-II	5200-20200-2400	57031	09	513279.00	6159348.00
5	Clerk/Tech.-III	5200-20200-1900	44459	16	711344.00	8536128.00
6	Packerman/Daftari/Peon/Helper	5200-20200-1800	40072	19	761368.00	9136416.00
				166		131251680.00

The above table reveals that the annual expenditure being incurred on 166 sanctioned strength of staff working in Ticket Printing Press, AMV is Rs.

131251680.00

3.2.0 Proposed strength: As the work study team has proposed to shift the arising workload which is very less to the other Press, so no man power has been proposed. The annual expenditure will be reduced to zero instead of Rs. 131251680.00 and net recurring saving will be Rs. 131251680.00.

3.3.0 ANTICIPATED RECURRING SAVINGS

S.No.	Category	Grade Rs.	Refer recom. No.	No. of surplus posts	Monthly value per post Rs.	Anticipated annual recurring saving Rs.
1	SSE/COS	9300-34800 -4600	1	11	100206	13227192.00
2	JE/OS/MCM	9300-34800 -4200	1	45	79073	42710220.00
3	Sr. Clerk/Tech.-I	5200-20200 -2800	1	66	65003	51482376.00
4	Tech.-II	5200-20200 -2400	1	09	57031	6159348.00
5	Clerk/Tech.-III	5200-20200 -1900	1	16	44459	8536128.00
6	Packerman/Daftar i/Peon/Helpers	5200-20200 -1800	1	19	40072	9136416.00
Total				166		131251680.00

No. of posts identified as surplus: -

Group 'C' = 147 posts

Group 'D' = 19 posts

Total = 166 posts

Anticipated recurring saving = ₹ 1312.51 lacs per annum

Capital saving = Nil

Total saving = ₹ 1312.51 lacs per annum

WORK STUDY REPORT DETAILED CHART

Department : - Stores

Name of study: - Review of staff working in Ticket Printing Press, AMV.

Activity Centre : - Ticket Printing Press, AMV.

S N	Sub activity	Brief description of workload	Actual staff deployed	Work Study recommendation	Representative workload
1	The Ticket Printing Press is functioning at AMV.	The layout of Printing and stationary depot is divided into different sections viz. Ticket fabrication, PCT, composing, printing, UTS, printing	Total Group C & D staff strength in Ticket Printing Press is SS= 166 OR= 85 Vac=81	The work study team recommended that all 166 sanctioned posts in different categories and grades have been proposed for surrender.	The work load of Printed card tickets is on diminishing trend due to increasing trend of e-ticketing/e-ticketing/mobile ticketing and installation of ATVMs at stations.

LIST OF ANNEXURES

S.N.	Description	Annex. No.
1	Statement showing position of staff working Ticket Printing Press, AMV.	I
2	Statement showing workload of TPP/LKO	II
3	Letter of study No. 16-CP/ 12 /18-19	III

Annexure-I

Staff position of Ticket Printing Press, AMV

SN	Category	Pay scale G.P.	S/S	O/R	Vacancy
1	SSE	9300-34800-4600	07	03	04
2	JE	9300-34800-4200	03	02	01
Ministerial					
3	Ch. O.S.	9300-34800-4800	04	02	02
4	O.S.	9300-34800-4200	11	-	11
5	Sr. Clerk	5200-20200-2800	05	-	05
6	Clerk	5200-20200-1900	03	-	03
Compositor					
7	MCM	9300-34800-4200	07	06	01
8	Technician-I	5200-20200-2800	10	04	06
9	Technician-II	5200-20200-2400	02	02	-
10	Technician-III	5200-20200-1900	03	01	02
Machine man					
11	MCM	9300-34800-4200	11	10	01
12	Technician-I	5200-20200-2800	22	12	10
13	Technician-II	5200-20200-2400	02	02	-
14	Technician-III	5200-20200-1900	05	02	03
Ticket Counter					
15	MCM	9300-34800-4200	09	08	01
16	Technician-I	5200-20200-2800	20	12	08
17	Technician-II	5200-20200-2400	01	01	-
18	Technician-III	5200-20200-1900	03	01	02
Proof Reader					
19	MCM	9300-34800-4200	01	01	-
20	Technician-I	5200-20200-2800	01	01	-
21	Technician-II	5200-20200-2400	01	01	-
Fitter					
23	MCM	9300-34800-4200	01	01	-
24	Technician-I	5200-20200-2800	01	01	-
25	Technician-II	5200-20200-2400	01	01	-
26	Technician-III	5200-20200-1900	01	01	-
Chopping Machine Operator					
27	MCM	9300-34800-4200	01	01	-
28	Technician-I	5200-20200-2800	06	04	02
29	Technician-II	5200-20200-2400	01	01	-
Slitting Machine Operator					
31	MCM	9300-34800-4200	01	01	-
32	Technician-I	5200-20200-2800	01	01	-
33	Technician-II	5200-20200-2400	01	01	-
34	Technician-III	5200-20200-1900	01	-	01
Group 'D'					
36	Packer Man	5200-20200-1800	04	-	04
37	Daftari	5200-20200-1800	02	-	02
38	Peon	5200-20200-1800	01	01	-
39	Helper	5200-20200-1800	12	-	12
Total			166	85	81

Annexure-II

Workload of Ticket Printing Press, AMV for the last four years.

Year	PCT(Printed Card Tickets)		UTS(Unreserved ticketing system)	
	Demand (in nos.) (In crores)	Supply (in nos.) (In crores)	Demand (in nos.) (In crores)	Supply (in nos.) (In crores)
2014-15	2.90	3.00	5.22	8.26
2015-16	2.93	3.04	4.98	8.82
2016-17	3.07	2.97	3.89	6.93
2017-18	3.49 (including 1.63 of SCR)	3.59	2.36	4.64
The demand balance for PCT is 27.43 lacs.				