

ELECTRIC LOCO TRAINING CENTRE USLAPUR.



**South East Central Railway
BILASPUR**

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1. Introduction

- **Training centre sanctioned at Uslapur, vide item no. 181 of pink book 1996-97.**
- **Started on 21st January, 1999.**
- **Motion simulator of WAG-7 loco commissioned on 15th August 2006. Regular courses are being conducted to improve Engineman ship and driving techniques of loco pilots.**
- **Staffs of East Coast Railway and South Eastern Railway are also being imparted training on the simulator.**

2. Activities of ELTC/USL

- **Mandatory Courses**

Category	Name of course	Type of course	Periodicity	Working day's
LP/ALP	CRC/ ACRC	Refresher	Every 3 years	18
LI	LI Refresher	Refresher	Every 3 years	6
ALP	Driver Promotional	Promotional	As per requirement	78
LPG	Passenger Driver Promotional	Promotional	As per requirement	48
ALP	Electric Loco Shunter	Promotional	As per requirement	12
LPG	Pre- Loco inspector	Promotional	As per requirement	21
ALP	RRB	Initial	As per requirement	83

- **Special Courses**

(A)

Category	Name of course	Type of course	Periodicity	Working day's
LP/ALP	DC	Specialized	As per requirement	48
LP/ALP	3 phase loco	Specialized	As per requirement	9
LP/ALP	Special Simulator Training	Specialized	As per requirement	6

(B)

Courses	Duration	Courses done	Trainee trained
Train parting	2	1+1*	9
Stalling	3	2	24
Loco inspector	3	1	12
Traction loco controller	2	2	14
crew controller	2	1	7

No. of Staff attended Training in last three year -

Name of courses	Period			Current year up to March, 2013				
	Category	2010-11	2011-12	BS P	R	NG P	OT H	Total
Combined refresher course	LP	592	390	275	94	110	72	551
Safety Counselor	SC	0	0					0
Asstt. drivers combined refresher course	ALP	358	335	155	121	82	84	442
Drivers promotional course	ALP	210	316	148	20	34	45	247
Passenger drivers promotional course	LPG	37	38	33	13	9	20	75
PRE-COA. (LPP)	LPG	0	0					0
Electric loco shutter course	Sr. ALP	48	0	9	16	0	0	25
RRB Induction course+ADC	RRB	231	450	99	14	7	45	165
Diesel Conversion Course	LP/ALP	22	64	5	14	9	0	28
PRE-COA(LP/DP)	ALP	21	0					0
PRE COA LI+LDCE	LP	0	0	13	0	0	0	13
3 Phase loco special course	LP/ALP	199	228	129	50	49	31	259
Special simulator training course	LP	110	48	0	0	1	4	5
LI (Refresher course.)	LI	14	0					0
TM Refresher course	SSE/SE/TM	2	44	4	0	0	0	4
LI Induction course	LI	17	0					0
UP Gradation Course	LP/ALP	3	1	32	12	11	0	55
Memu Refresher course	LP (MEMU)	0	7	2	1	0	0	3
LDCE	SSE	0	7	19	6	0	0	25
Special course	CCC/TLC/LI/LP	0	0	51	16	25	0	92
TOTAL		1864	1928	974	377	337	301	1989
% Utilization		84.59 %	110.89 %	March, 2013 is 60.31%				

TOTAL TRAINEES TRAINED ON SIMULATOR

YEAR	S.E.C.RLY	E. Co. RLY	S.E.RLY	TOTAL
2008 – 2009	522	109	66	697
2009-2010	689	108	98	895
2010-2011	868	322	103	1293
2011-2012	973	339	47	1359
2012-2013	1382	230	0	1612
TOTAL	4434	1108	314	5856

3. Facilities available

3.1 Teaching staff

- Principal - 1
- Instructors- 16
- Ministerial - 3
- Group 'D' - 6
- [Details of faculty members in Annexure-A](#)

3.2 Infrastructure Facilities

- Total class rooms -9 (capacity 250 trainees)
- Total hostel rooms-49(capacity 237 beds)
- Solar water heaters -2 nos.
- Motion type simulator WAG7 Loco
- Centralized air-cooling in institute & hostel.
 1. 100 KVA DG set for standby power supply for simulator, institute, hostel mess and recreation room.
- Pneumatic model rooms.
- Pneumatic model of N-Brake system.
- Loco no 20400 WAM-4 (OP) and Loco training car for handling trouble shooting & Practical demonstration of location of parts.
- Water coolers- 4 nos.
- RO125 liters-1 nos.
- RO 15 liters-4 nos.
- Old [Diesel Training Centre, \(DTC\) BILASPUR](#) Running as an extension branch of ETLC,USL

3.3 Recreation Facilities

- Minor Gymnasium facilities like Tread Mill (Jogger), Multi Gym (6Multi station) and Commercial Exercise Cycle are available.
- 29” Color Television with cable connection and Home theatre is available in recreation room in hostel.
- A meditation room for trainees to take meditation in his life.
- Yoga & PT classes conduct daily 6.15AM to 7.15AM by Guest Trainers.

3.4 Sports Facilities

- In door sports facilities like Table Tennis, Carom and Chess are available.
- Out door sports facilities like Volley Ball and Badminton is available.

3.5 Library Facilities

- News papers, Magazines, technical & SWR books and Raj Bhasha’s related books are available.

3.6 Teaching Aids

- *LCD projectors* - **10 nos.**
- *Over Head Projector’s* - **6 nos.**
- *White boards* - **14 nos.**
- *Computer’s (PC)* - **14 nos.**

4. Work under progress

- Work sanctioned in MWP
 - Construction & repair of drainage system and connect it to bridge no.2.
 - Kitchen waste management system.

5. Motion type WAG7 Simulator

MILESTONES OF BILASPUR SIMULATOR

1. Loco Type	WAG7 / WAP4
2. Building work started	25.02.2006
3. FAT Completed	03.07.2006
4. Receipt of simulator	25.07.2006
5. SAT Completed	12.08.2006
6. Inauguration	15.08.2006
7. PTC Completed	25.09.2006
8. Warranty started	26.09.2006
9. Warranty Period	2 years after PTC.
10. End of warranty period	25.09.2008
11. Annual Maintenance Contact	8 years

UTILISATION OF SIMULATOR

DATE

Opening of Simulator	15.08.2006
Commencing of Simulator Training	27.09.2006

SCHEDULE

First shift	06.00 hrs to 12.00 hrs.
Second shift	12.00 hrs to 18.00 hrs
Third shift	18.00 hrs to 00.00 hrs

PARTICIPATED ZONES

S.E.C. Railway, S.E. Railway, East Coast Railway.

COURSES

Simulator Training for Coaching Drivers.
Simulator Training for Goods Drivers.
Simulator Training for Driver Promotional Courses.
Simulator Training for Passenger Driver Promotional Courses.

6. Achievements

- 1646 in 2009-10, 1864 in 2010-11, 1928 in 2011-12 trained, 1989 trained in 2012-13 so far.
- Special courses on Train parting , Stalling, TLC, and Crew controllers
- **Books published**

1. Handbook on WAG-9 Loco (English).
2. Handbook on WAG-9 Loco (Hindi).
3. Safe Working Rules (English).
4. Safe Working Rules (Hindi).
5. Fundamentals of Electricity, OHE & Operation of Electric Locomotive.
6. रनिंग स्टाफ के लिए अनुदेशो का सारसंग्रह।
7. दुर्घटना व सीख & Good Engineman ship.
8. Course material for running loco supervisors.
9. विद्युत के मूल सिद्धांत, सिरोपरी उपस्कर व विद्युत इंजिन का परिचालन।
10. TSD on Conventional Loco in English.
11. TSD on Conventional Loco in Hindi.
12. Driving Technique Notes in English.
13. Driving Technique Notes in Hindi.
14. चालक पत्र
15. Pocket size 3 phase Loco TSD

Under Printing

- Pocket size MEMU TSD.
- Big size MEMU notes
- Organized seminars

Topic	2011-12	2012-13
SPAD	191	398
Train parting	103	357
Stalling	153	391

.Practical demonstration to trainees:-

1. How to use detonators during abnormalities.
2. Operation of Fire extinguisher and safety precautions.
3. Grounding of loco & operation of hand brakes.
4. Safety items of loco and their location of parts.
5. Visit at BCN Depot & Coaching Care Centre, Bilaspur.

7. CONTACT US-

NAME	Residence	Office (P&T)
Principal	247149 (P&T) 63415 (Rly)	270131 9752876377(Mob)
Simulator	*****	270115 270116
Hostel(Care Taker)	*****	270243
Email Address-	eltc_usl2012@rediffmail	Fax-07752-270131

8. DETAILS OF FACULTY MEMBERS: --(Annexure-A)

Sr.No	Faculty Member	Date of appointment	Qualification	Subject being thought	Whether completed TOT Y/N
1	P. N. Khatri	21.02.1990	BE (Elect.) , MBA	Tech. & Viva	Yes
2	P. K. Choudhary	12.09.1988	DME	Safe working and Technical	Yes
3	M. V. Rao	19.08.1975	D.E.E	Simulator Training	Yes
4	P. Mohanta	12.09.1988	B. Sc.	Sate working and Technical	Yes
5	S. K. Acharya	16.08.1989	AMIE	Safe working and Technical	Yes
6	M. Verma	06.10.1988	DEE	Simulator Training	Yes
7	D. K. Gupta	09.12.1991	DME	Safe working and Technical	Yes
8	G. R. Jena	19.08.1989	DME	Safe working and Technical	Yes
9	N. K. Prasad	19.08.1989	DME	Safe working and Technical	Yes
10	A. N. Pandey	10.12.1991	DEE	Safe working and Technical	Yes
11	S. K. Gupta	21.04.1989	DME	Sate working and Technical	Yes
12	S. C. Mourya	17.12.1991	DEE	Safe working and Technical	Yes
13	A. K. Verma	12.05.1998	DEE	Simulator Training	Yes
14	G. V. K. Vishwanadham	05.09.1991	DME	Safe working and Technical	Yes
15	H. K. Sharma	04.11.1999	DEE.	Safe working and Technical	Yes
16	J. P. Verma	28.04.1997	DEE.	Safe working and Technical	Yes
17	JaiGovind Soni	04.11.1999	DME.	Sate working and Technical	Yes

