

बहु-विषयक क्षेत्रीय प्रशिक्षण संस्थान, खड़गपुर-
(यांत्रिक)

MULTI DISCIPLINARY ZONAL TRAINING
INSTITUTE, KHARAGPUR-(MECHANICAL)



IGBC CERTIFIED GREEN BUILDING (GOLD RATED)



INTRODUCTION

- Established in 1962, As “System Technical School”.
- Renamed as “Supervisors’ Training Centre” on 19.11.1989.
- Again renamed as MDZTI-Mech w.e.f 11.05.2022
- An important training centre of Indian Railway Catering to the training needs of maintenance Supervisors, Artisan & Running Staff.
- Conducts Induction, Refresher ,Promotional & Need base Courses for Diesel Loco Running Staff and Supervisors and artisans of Mechanical & Electrical Departments of SER, SECR & E.Co.Rly.

BASIC DETAILS OF MDZTI-MECH-KGP

- MDZTI-Mech functions under the control of Director/MDZTI/KGP.
- Four other training centers within jurisdictional control of MDZTI-Mech/KGP are
 1. In-motion Train Driving Simulator for WDG4
 2. Regional Welding Training Institute(RWTI)
 3. Basic Training Centre(BTC) KGPW
 4. Centralized Training School(C&W)(CTS)

BASIC DETAILS OF MDZTI-MECH-KGP

Name of the Director	Sri Bimal Topno , Mob: 9002081409, email ID: directormdztikgp@gmail.com
Name of Vice Principal	Sri Sanjay Kumar Anand , Mob: 8016581402, email ID: adme.stckgp@gmail.com
Location	2.75 Km from Kharagpur Railway Station.(i.e. From Station 0.75 Km towards south and then 2 Km towards West)
Address	DIRECTOR MULTI DISCIPLINARY ZONAL TRAINING INSTITUTE 6th Avenue, Kharagpur, Dist - Paschim Medinipur. West Bengal - PIN Code – 721301
Telephone numbers	Railway: 62656
Class room timing(From Monday to Friday)	1 st Half: 09.00 to 12.30 Hrs. Lunch Break: 12.30 to 14.00 Hrs. 2 nd Half: 14.00 to 17.00 Hrs.
Saturday	09-00 Hrs. to 13.00 Hrs.
Sunday	Rest Day

BTC & RWTI

- **LOCATION** → BTC & RWTI is located 2 Kms from Kharagpur Railway station in the premises of BTC/Kharagpur Main Workshop.
- **ADDRESS** → Basic Training Centre(BTC)/Regional Welding Training Institute (RWTI)Kharagpur
Railway Main Workshop near CME gate Pin – 721301
- **M. No.** → CI/BTC: 9439781625

CI/RWTI: 9002086890
- **Email ID:** → CI/BTC:

CI/RWTI: rwtkgp@gmail.com

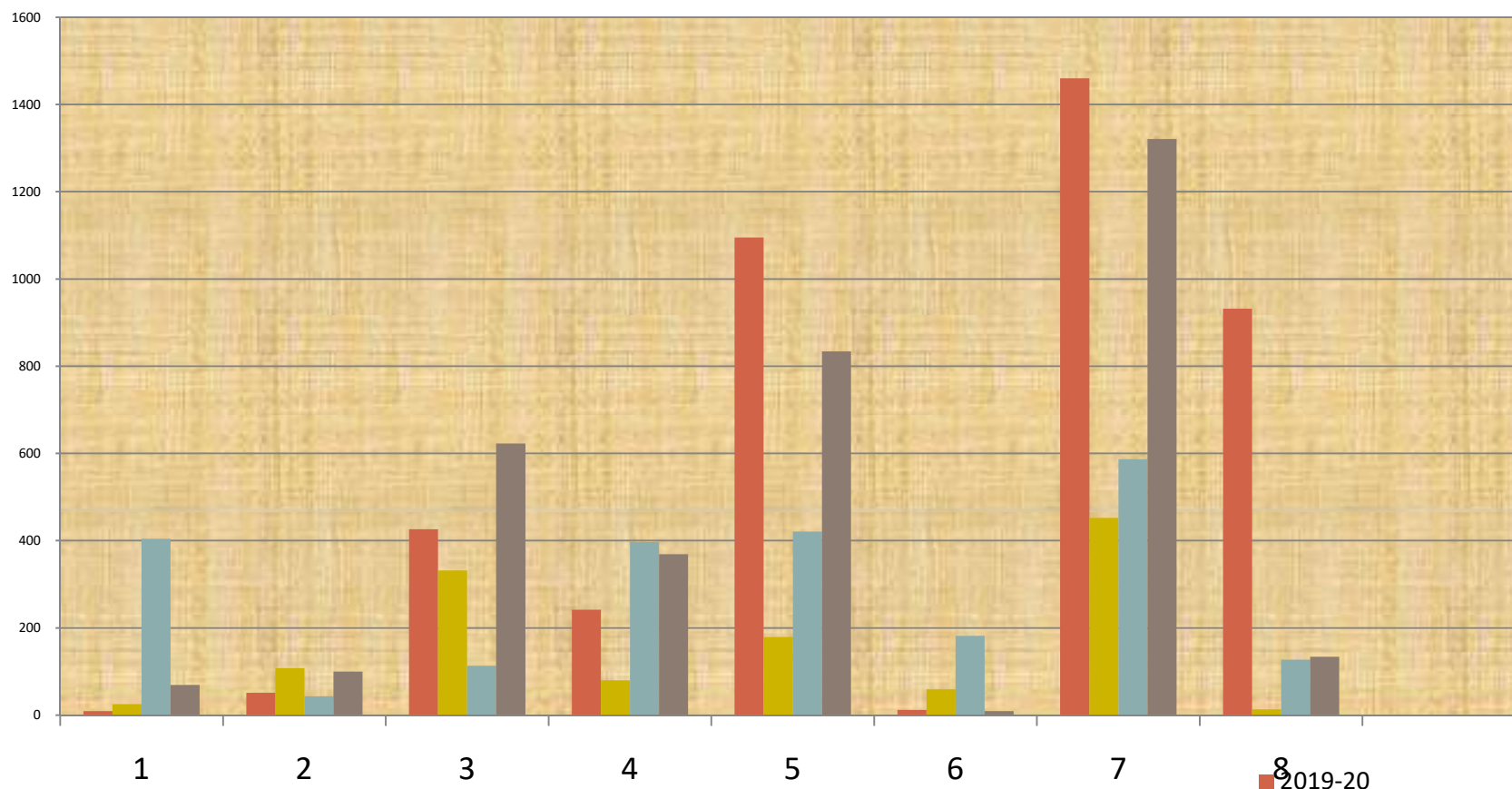
PERFORMANCE

(2019-20 to 2022-23)

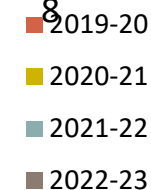
Number of trainees pass out MDZTI/Mech campus

Sl No	Category of Trainees	2019-20	2020-21	2021-22	2022-23
1.	Induction Courses for Mechanical & Electrical Supervisors	09	25	404	69
2.	Promotional course for IJE &PJE	51	108	43	100
3.	Induction Courses for Running Staff	426	332	113	623
4.	Need Base Training(Promotional & conversion of running wing)	242	80	397	369
5.	Special Courses for Running Staff including HHP Simulator	1095	179	421	834
6.	Induction courses for C&W Technicians for open line at CTS	12	59	182	09
7.	Refresher Courses for Maint., Running & CTS	1460	452	587	1353
8.	Special Courses for Maintenance,& Supervisors	932	13	127	160

PERFORMANCE



1. Induction Courses for Mechanical & Electrical Supervisors
2. Promotional course for IJE & PJE
3. Induction Courses for Running Staff
4. Need Base Training (Promotional & conversion of running wing)
5. Special Courses for Running Staff including HHP Simulator
6. Induction courses for C&W Technicians for open line at CTS
7. Refresher Courses for Maint., Running & CTS
8. Special Courses for Maintenance, & Supervisors



Detail

Trainee

status

1. Induction training for Mechanical & Electrical Supervisors

Category	Duration	2019-20	2020-21	2021-22	2022-23
Sr.Sec. Engineer Direct recruits	52 Weeks	3	0	0	0
Jr.Engineer Direct recruits	52 Weeks	6	25	404	69

2. Promotional training for IJE & PJE

Category	Duration	2019-20	2020-21	2021-22	2022-23
Jr.Engineer (Intermediate Apprentices)	52 Weeks	24	48	11	22
Jr.Engineer Promotional	78 Working days	27	60	32	78

3. Induction Courses for Running Staff

Category	Duration	2019-20	2020-21	2021-22	2022-23
Trainee ALP(Dual Traction)	109 Working days for fresh Tr.ALPs	100	0	0	0
Tr.ALP(Single traction with transportation and C&W)	79 working days. Trainee ALP for fresh recruits	0	95	84	105
Tr. ALP(Transportation and C&W)	29 working days. Trainee ALP for fresh recruits	216	237	29	518

4. Need Base Training

Category	Duration	2019-20	2020-21	2021-22	2022-23
Loco Pilots (Goods) from ALP, LP (Shunting)	78 Working Days	128	0	2	29
Conversión training ALP (Dsl) from ALP (Elect).	36 Working Days	68	80	355	245
Loco Pilot (Pass) from LP (Goods)	48 Working Days	24	0	0	0
Conversión training for LP (Elect) to LP (Dsl).	55 working days	22	0	42	95

5. Special Courses for Running Staff

Category	Duration	2019-20	2020-21	2021-22	2022-23
Refresher Course- Serving Ch.Loco Inspectors	06 Working Days	0	0	0	0
Induction Course- Newly promoted Ch.Loco Inspectors	18 Working Days	0	0	0	0
Special Course- Diesel Power Controllers	03 Working Days	0	0	0	0
Special Course- Operation and Handling of WDG4 /WDP4 Locomotives	12 Working Days	37	0	30	5
Training on HHP Diesel Locomotive Simulator for Loco Pilot	06 /04/02/01 W Days	1058	179	391	829

6. Courses for C&W Technicians for open line at CTS

Category	Duration	2019-20	2020-21	2021-22	2022-23
Induction course-Through RRB	26 Weeks	-	45	178	-
Induction course-Through compassionate ground(Non-technical)	3 years	12	14	04	9
Refresher course for C&W technicians(Open Line at CTS)	12 days	437	-	-	358
Promotional course at CTS (helper to tech)	112 days	-	33	01	-
Special course for Tr. ALP (For C & W portion)	01/03days	631	312	500	1131

7. Refresher course

Catagory	Target group	Duration	2019 -20	2020 -21	2021 -22	2022- 23
Refresher Courses for Mechanical Supervisors	For C&W , Workshop , and Diesel Supervisors	03 Weeks	208	0	80	449
Refresher Course for Running Staff	Combined Refresher Course (CRC) for LPs, LPs (S) and ALPs of DIESEL Traction of SER	24/12 w days	717	452	507	546

Refresher course

Catagory	Target group	Duration	2019-20	2020-21	2021-22	2022-23
Refresher Course for Diesel Artisans	Artisans of Dsl POH Shop/KGPW	12 Working Days	98	0	0	0
ERS/Loco shed	Supervisors (ERS/Loco Shed)	12 Working Days	0	0	0	0
EMU Shop	Supervisors(EMU Shop)	12 Working Days	0	0	0	0

8. Special Courses for Maintenance staff & Supervisors

Category	Target group	Duration	2019-20	2020-21	2021-22	2022-23
Train lighting	Supervisors (Elect Genl)(Train Lighting)	12 W Days	95	0	0	0
Air Conditioning & Refrigeration	Supervisors (Elect. Gen)(Air-Conditioning)	12 W Days	83	0	0	0
Disaster Management	All Front Line Mech. Supervisors/Staff and commercial staff / Medical staff	06 W Days	74	0	16	74
Pre-Selection	SC & ST candidate	3 Weeks	226	13	91	82
Others		21 Days	454	0	20	4

Courses at BTC/KGP

Sl No	Category of Trainees	2019-20	2020-21	2021-22	2022-23
1.	Induction Courses	14	157	62	30
2.	Apprentice training	59	62	-	87
2.	Refresher	103	0	0	03
4.	Industrial Training for Engineering Students:	591	-	-	35

1. Induction courses at BTC

Catagory	Target group	Duration	2019-20	2020-21	2021-22	2022-23
Induction to Unskilled	All	78 Wdays	0	0	0	0
Induction to Skilled(RRB)	Carriage, Wagon, Mill Wright, Welder,Painter,C arpentry Machinist,Diesel, Electrical	26 weeks	02	143	58	17
Promotion from Unskilled to Skilled (25% LQ)	-do-	72/112 days	08	18	05	7
Induction to Skilled (CG)	-do-	03 days	12	14	04	06

2. Apprentice Training at BTC

Catagory	Target group	Duration	2019-20	2020-21	2021-22	2022-23
Act Apprentice	Fitter, Turner, Electrician, Welder(G&E) Diesel Mechanic, Machinist Painter(G),Ref & AC Mech.	01 Year	59	62	-	87
Technician Apprentice (GOI)	Mechanical & Electrical	01 year	0	0	0	0

3. Refresher Courses at BTC

Catagory	Target group	Duration	2019-20	2020-21	2021-22	2022-23
Refresher for Artisans	Fitter, Carriage, Wagon Machinist, Elect. Loco Fitter Electrical Fitter, Diesel	12 Days	103	-	-	03

4. Industrial Training for Engineering Students

Catagory	Target group	Duration	2019-20	2020-21	2021-22	2022-23
Short Term Practical Training to Engg. Graduates and Diploma Students	Mech. & Elect.	21 days	591	-	-	35
Shop floor training to RJE, IJE, PJE, RSSE as per Instruction of DIRECTOR	Diesel, C&W, Wagon, Electrical	As per the schedule	102	350	234	108
One day/half day visit of Skilled Artisans, ALPS to KGPW	All	All One day /half day	-	-	-	-
One day visit to KGPW from different Engg. Institutions / ITIs	--	One day	41	-	-	-
Shop floor visit of refresher SSEs, JEs from STC	--	Half day	-	28	-	-
Industrial Safety of KGPW artisan staff	All	Two days	12	216	99	261

Courses at RWTI

- For All Welders of SERly, ECoRly. & SECRIy.

Catagory	Duration	2019-20	2020-21	2021-22	2022-23
Induction to Tr. Tech-III (Recruited through RRB, Sports Quota, Compassionate Ground etc.)	03 years/26 Weeks	07	29	03	5
Promotion from Un-Skilled to Skilled	26 Weeks	06	40	13	-
Refresher for Welder	03 Weeks	78	0	36	474
Refresher for Supervisors	12 Days	0	01	-	06
Conversion Courses	03 Months	0	-	-	14
Course on MIG Welding	06 Days	53	-	04	37
Course on TIG Welding	06 Days	38	-	-	0
Course on Plasma Cutting	06 Days	89	-	02	29
Act Apprentice (ITI Pass)	01 Yr.	-	14	18	-
Special training for welding (Other trade)		08	150	53	19
Pre-Selection Course	21. days	0	-	-	19

Special Course at RWTI
Railway Kaushal Vikash Yojna(RKVY)
Under the National scheme –Pradhan Mantry
Kaushal Vikash Yojna

- For unemployed youth
- Matric pass
- Age group- 18 to 35 years.
- 1st batch started on 30.09.2021

Duration	2021-22	2022-23	Cumulative
18 Working days	88	216	304

CADRE POSITION INCLUDING CTS,BTC & RWTI

GAZETTED FACULTY

Sanctioned	Existing	Vacancy
03	02	01

NON-GAZETTED FACULTY

Sanctioned	Existing	Vacancy
66	29	37

Infrastructure facilities

- In motion train driving simulator for HHP (WDG4/WDP4)locomotive.
- Refrigeration & Air-Conditioning Lab,
- C&W Model Room,
- Computer Lab,
- Diesel Model Room,
- Electric Loco & Electrical General Model Room
- PLC/Hydraulic Lab
- Hostel Facilities with Accommodation
- Library
- Modern welding infrastructural facility at RWTI

In-Motion Train Driving Simulator



In motion Train Driving Simulator Classroom



In-motion Train Driving Simulator

Driving CAB



RAC LAB



C&W LAB



Diesel Model Room



PLC Lab Inauguration by Hon. GM/SER



LIBRARY



- Total no of books 8352 including technical manuals
- 1585 books are in Hindi library

RWTI Reception Area



RWTI Welding Booth Area



Welding Simulator Room at RWTI



Welding class room at RWTI



HOSTEL FACILITY

Name of Hostel	No. Of rooms	No. Of Bed Capacity
Apprentice Hostel(500)	Ground Floor-10 & First Floor-10	Gents-78 & Ladies-20
Apprentice Hostel(501)	Ground Floor-20 First Floor-20	154
Divisional Loco Pilot Hostel	32	149

ACTIVITIES
At
MDZTI(MECH)

SPECIAL DRIVE FOR SWACHHATA ABHIYAN

BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER



BEFORE



AFTER



Blood Donation camp

Organised by MDZTI (Mech)/KGP -Nov'22

