

दक्षिण पूर्व रेलवे



South Eastern
Railway

दक्षिण पूर्व रेलवे
बहु-विषयक क्षेत्रीय प्रशिक्षण संस्थान - सि व दू
खड़गपुर

SOUTH EASTERN RAILWAY
MULTI DISCIPLINARY ZONAL TRAINING
INSTITUTE - S&T
Kharagpur



MDZTI-S&T/KGP TRAINING BRIEF

- Caters to Training of Technicians and Helpers of 3 zones i.e. SER, SECR & ECoR which includes 10 Divisions.
- MDZTI-S&T/KGP provides training to 1250 JEs., Technicians & Helpers of the 3 zones annually.
- Number of courses in a year : 90 (Pre-covid)



COURSES CONDUCTED AT MDZTI-S&T/KGP AS PER RB's APPROVED BLENDED TRAINING MODULE



SN	COURSES CONDUCTED	PERIOD IN WEEKS	DURATION		PARTICIPANT CATEGORY
			ONLINE	ON-CAMPUS	
1	Refresher ESM/MSM	4	03 WEEKS	01 WEEK	TECH /SIG
2	Refresher TCM/WTM	4	03 WEEKS	01 WEEK	TECH /TELE
3	Refresher Helper/Signal	2	---	02 WEEK	HELPER /SIG
	Refresher Helper/Telecom	2	---	02 WEEK	HELPER / TELE
4	Equipment ESM/MSM	1	---	---	TECH /SIG
5	Equipment TCM/WTM	1	---	---	TECH /TELE
6	Induction Signal KSI-Helper	4	---	04 WEEK	HELPER /SIG
7	Induction Tele/MW KSI-Helper	4	---	04 WEEK	HELPER /TELE
8	Initial Appr. SM (PH-I)	8	04 WEEKS	04 WEEKS	APPR TECH/SIG-III/I
9	Initial Appr. SM (PH-II)	9	04 WEEKS	05 WEEKS	APPR TECH/SIG-III
10	Initial Appr. SM (PH-II)	17	09 WEEKS	08 WEEKS	APPR TECH/SIG-I
11	Initial Appr. WTCM (PH-I)	8	05 WEEKS	03 WEEKS	APPR TECH/TELE-III
12	Initial Appr. WTCM (PH-II)	9	04 WEEKS	05 WEEKS	APPR TECH/TELE-III
13	Foundation Course for Promotes WTCM-III	8	04 WEEKS	04 WEEKS	PROMOTEE WTCM/III
14	Foundation Course for Promotes ESM & MSM -III	8	04 WEEKS	04 WEEKS	PROMOTEE SM/III
15	Inter JE (Tele) 30% Ph-I	6	03 WEEKS	03 WEEKS	PROMOTEE JE/TELE
16	Inter JE (Tele) 30% Ph-II	6	03 WEEKS	03 WEEKS	PROMOTEE JE/TELE
17	Inter JE (Sig) 40% Ph-I	8	04 WEEKS	04 WEEKS	PROMOTEE JE/SIG
18	Inter JE (Sig) 40% Ph-II	9	04 WEEKS	05 WEEKS	PROMOTEE JE/SIG
19	Introduction Course for SSE/JE(Sig / Tele)	02 / 03	---	---	APPR JE/SSE
20	Disaster Management (Sup.& Artisan)	1	---	---	JE/SSE/TECH/ -S&T
21	Black Smith course	1	---	---	BLACK SMITH
22	Appreciation for SM-I & III	1	---	---	APPR TECH/SIG-I & III
23	Gr 'B' Promotional Course for SSE/JE's	03 /04	---	---	JE /SSE S&T
24	Vocational	As per req.	---	---	ENGG STUDENTS



COURSE OCCUPANCY IN THE LAST 5 YEARS



	Courses	2015-16 (No of Trainees)	2016-17 (No of Trainees)	2017-18 (No of Trainees)	2018-19 (No of Trainees)	2019-20 (No of Trainees)	2020-21 (No of Trainees)
1	Refresher Tech (Sig & Tele)	489	576	524	467	414	282
2	Refresher Helper (Sig & Tele)	-	-	-	-	41	-
3	Equipment Tech (Sig & Tele)	505	401	348	192	228	191
4	Induction Sig & Tele – Helper	188	173	121	88	94	-
5	Initial Apprentice for Tech-I	71	144	145	66	78	252
6	Initial Apprentice for Tech-III						
7	Appreciation Course for SM-I & SM-III		32	01	02	0	0
8	Foundation course (Gr D to C)	142	81	172	137	104	-
9	Intermediate JE (Sig & Tele)	32	50	34	32	23	33
10	Introduction Course for Appr JE & SSE	17	24	02	0	0	0
11	Disaster Management	23	37	17	21	23	-
12	Blacksmith	34	37	26	15	20	-
13	GR 'B' Promotional Courses For SSE / JE's	0	0	18	30	0	0
14	Vocational Courses For Engineering Students	0	0	06	33	20	0
	Total	1501	1555	1414	1083	1045	758



TRAINING DETAILS (2021-2022)



COURSE		No of Courses	No of Trainees Attended
REFRESHER COURSE FOR MAINTAINERS (01 WEEK ON-CAMPUS TRAINING CONDUCTED AT DIVISIONS)	SIGNAL 3rd Week Residual Online	7	158
	SIGNAL 3 Weeks Online	3	133
	TELECOM 3rd Week Residual Online	4	60
	TELECOM 3 Weeks Online	5	142
INITIAL APPRENTICE COURSE FOR MAINTAINERS (PH-I)	SIGNAL	3	105
	TELECOM	3	65
INITIAL APPRENTICE COURSE FOR MAINTAINERS (PH-II)	SIGNAL	4	126
	TELECOM	4	68
INTER APPR COURSE FOR 40% JE-II (SIG) & 30% (TELE) (PH-I)	SIGNAL	1	21
	TELECOM	1	2
INTER APPR COURSE FOR 40% JE-II (SIG) & 30% (TELE) (PH-II)	SIGNAL	1	21
	TELECOM	1	2
TOTAL		37	903
TOTAL SIGNAL		19	564
TOTAL TELECOM		18	339



TRAINING DETAILS (2022-2023) Till Date



COURSE		No of Courses	No of Trainees Attended
REFRESHER COURSE FOR MAINTAINERS	SIGNAL 3 Weeks Online	3	232
	SIGNAL 1 Week On-Campus	3	109
	TELECOM 3 Weeks Online	3	122
	TELECOM 1 Week On-Campus	3	114
INITIAL APPRENTICE COURSE FOR MAINTAINERS (PH-I)	SIGNAL	0	0
	TELECOM	0	0
INITIAL APPRENTICE COURSE FOR MAINTAINERS (PH-II)	SIGNAL	0	0
	TELECOM	0	0
FOUNDATION COURSE FOR PROMOTEES (WTCM-III, ESM-III/MSM-III)	SIGNAL 4 Weeks Online	0	0
	SIGNAL 4 Weeks On-Campus	0	0
	TELECOM 4 Weeks Online	1	38
	TELECOM 4 Weeks On-Campus	0	0
INTER APPR COURSE FOR 40% JE-II (SIG) & 30% (TELE) (PH-I)	SIGNAL	0	0
	TELECOM	0	0
INTER APPR COURSE FOR 40% JE-II (SIG) & 30% (TELE) (PH-II)	SIGNAL	0	0
	TELECOM	0	0
	TOTAL	7	ONLINE ATD= 392 TOTAL ATD = 223
TOTAL SIGNAL		3	ONLINE ATD= 232 TOTAL ATD= 109
TOTAL TELECOM		4	ONLINE ATD= 160 TOTAL ATD= 114



FACILITIES AT MDZTI-S&T/KGP



Facility	Quantity
Classrooms	4
Laboratories	6
E- learning room	1
Video Conferencing room	1
Seminar room	1
Library	1
Outdoor yard layout	1
Hostel rooms	34
Mess	1
Playground	1
Recreation room	1



AVAILABLE TEACHING AIDS AT MDZTI-S&T/KGP

Aid	Quantity
Computers	5
Projectors	2
Monitor Display	2
White Board	7
Microphones	5
Web cam	3



CADRE OF MDZTI-S&T/KGP



S N	DESIGNATION	CATEGORY	SANCTIONED	ON-ROLL	VACANCY
1	CHIEF INSTRUCTOR	INSTRUCTOR	1	0	1
2	SR.INSTRUCTOR/SIG		1	2	-1
3	SR.INSTRUCTOR/TELE		3	3	0
4	INSTRUCTOR/SIG		6	0	6
5	INSTRUCTOR/TELE		4	0	4
	TOTAL INSTRUCTORS		15	05	10
6	SR.TECH/SIG	DEMONSTRATOR	0	2	-2
7	TECH-I/SIG		3	0	3
8	TECH-II/SIG		1	0	1
9	TECH-III/SIG		0	2	-2
10	SR.TECH/TELE		0	1	-1
11	TECH-I/TELE		1	0	1
12	TECH-II/TELE		1	0	1
13	TECH-III/TELE		0	0	0
	TOTAL DEMONSTRATORS		6	5	1
14	Painter Gr.III	NON- TEACHING	1	0	1
15	Caretaker		1	1	0
16	Helper-II		7	5	2
17	Cleaner		1	0	1
18	Safaiwala		1	0	1
19	Chowkidar		4	2	2
20	Jamadar Peon		1	1	0
21	Peon		1	1	0
22	OS		1	1	0
23	Sr. Clerk		1	0	1
	TOTAL NON-TEACHING		19	11	8
	GRAND TOTAL		40	21	19



LABORATORY TRAINING EQUIPMENTS AVAILABLE

Signalling

- Single Line Block Proving Axle Counter Panel with UFSBI(Deltron)
- Tokenless Block Instrument (Handle type)
- Double Line Block Instrument (SGE type)
- Automatic Block Signalling (Double Line)
- Single Section Digital Axle Counter (Eldyne)
- Multi Section Digital Axle Counter (Eldyne)
- Universal Axle Counter (CEL)
- Single Section Digital Axle Counter (CEL)
- Electronic Interlocking (Warm Standby- Ansaldo)
- Thick web Switch and Fan Shaped layout with Point machine and operating Panel
- Automatic Signalling layout
- Integrated Power Supply (Statcon)
- Electric Lifting Barrier (Global Make) with sliding boom.





LABORATORY TRAINING EQUIPMENTS AVAILABLE



Telecom

- STM 1 equipment with NMS (FIBCOM)
- PD Mux equipment with NMS (WEBFIL, PUNCOM)
- Networking equipment. (CISCO & CYGNUS)
- Train Traffic Control equipment
- VHF sets
- 1+1 telephone setup
- Integrated Passenger Information System (Software) (SURYA ELECTRONICS)
- GPS Clock
- PA system
- OTDR and Splicing machine
- Electronic LC Gate Telephone with Voice Logger (BENTRON).



RVNL NEW INSTALLATION AT MDZTI-S&T/KGP

(Inaugurated by PCSTE/SER & DRM/KGP on 21.04.2022)



- **Installation of EI, (KYOSAN Make) with distributed architecture, Simulation Panel, Maintenance Console (MTC) and Dual VDU.**
- **Installation of MSDAC, (Siemens Make) with 4 Track Section, 12 DP (Dual Detection).**
- **Installation of Data Logger, (EFTRONICS Make), 512 Digital Input, 32 Analog Input and Networking with Goomty.**
- **Installation of IPS, (STATCON Make) with 55 Nos of 120 AH Lead Acid Cell.**
- **Installation of Single Line BPAC Panel with UFSBI (Deltron Make).**



WORKS SANCTIONED

(Detailed Estimate submitted to Sr.DSTE/KGP's office for O.T)



S.N.	Name of Work	Plan Head	Allocation	Cost (in thou.)
1	Installation and Commissioning of Coach guidance system, Announcement System & Train indicator board at STTC/MDZTI/KGP	65	DF3	1335
2	Installation and Commissioning of IP Telephone Exchange at STTC(MDZTI)/KGP	65	DF3	1334
3	Installing of Telepresence system of Rail Tel at STIC/KGP for conducting virtual online classes by IRISSET.	65	DF3	1826



WORKS PROPOSED FOR 'IN PRINCIPAL' APPROVAL OF GM/SER FOR 2022-2023



S.N.	PH	NAME OF WORK	COST	JUSTIFICATION
1.	65	Development of MDZTI-S&T/KGP by upgrading class rooms and seminar room into smart class rooms, library, e-learning room, video conferencing room by supply of Teaching Aids and installation of computers & related peripherals along with enhancement of comfort level of staying condition for the trainees, sports and entertainment facilities in Hostel and a working atmosphere in office by providing neat and healthy surroundings along with provision for monitoring of entire STTC campus (Main building and Hostel), class rooms along with monitoring of Trainee Activities through CCTV Surveillance system, Public Announcement System, installation of Fire Extinguisher and Alarm system.	₹ 2,40,00,000/-	To modernize Class Rooms to provide world class facilities and teaching aids in-line with modern teaching methods the work is very essential also to provide better comfort facilities and safety while staying at STTC/KGP for the Trainees.



WORKS PROPOSED FOR 'IN PRINCIPAL' APPROVAL OF GM/SER FOR 2022-2023



S.N.	PH	NAME OF WORK	COST	JUSTIFICATION
2	65	Civil Engineering works related to renovation of Institute Building and Hostel of MDZTI-S&T/KGP along with associated Electrical Works.	₹ 2,40,00,000/-	<ul style="list-style-type: none">Renovation and repairing of class rooms, Library, computer Lab, Office rooms, Signal and Telecom Labs etc in Institute Building along with associated electrical work.Renovation of Hostel Ground Floor & 1st Floor, Guest Lecturer Room (Officer / Supervisor), Kitchen, Dining Hall, Washing area and merging of existing kitchen and Dining room to increase the capacity of new renovated Dining Room along with recreation hall sports complex along with associated electrical work.Repairing of boundary Wall of approximate 18920 Sq.ft. area of MDZTI-S&T/KGP and provision of iron mesh along the entire boundary wall.



WORKS PROPOSED FOR 'IN PRINCIPAL' APPROVAL OF GM/SER FOR 2022-2023



S.N.	PH	NAME OF WORK	COST	JUSTIFICATION
3	65	Civil Engineering works related to new construction at MDZTI-S&T/KGP campus. along with associated Electrical Works.	₹ 2,40,00,000/-	<ul style="list-style-type: none">• Associated Electrical works for capacity augmentation• To improve the hospitality of the trainees with power backup.• Related to the new S&T lab equipment.• For proper lighting of the entire STTC/MDZTI/ KGP Campus.



UPCOMING ACTIVITIES



- For improvement of **MDZTI-S&T/KGP** by installation of Signal and Telecom equipments at the Labs of **MDZTI-S&T/KGP**, letter sent to Dy.CSTE/CON-KGP, ADA, JSG & Dy.CSTE/PROJ- KGP, ADA.

SIGNAL ITEMS REQUIRED AT STTC/MDZTI/KGP

- 1) EI - MEDHA, WESTRACE, ANSALDO H/S
- 2) MSDAC - CEL, GGTRONIC, FRAUSHER, ALTRPO,
- 3) SSDAC - MEDHA, GGTRONICS
- 4) HASSDAC - CEL, GGTRONICS
- 5) DLBPAC PANEL WITH UFSBI
- 6) IB WITH UFSBI
- 7) UFSBI - WEBFILL
- 8) IPS - AMARAJA, HBL
- 9) ELB - AEW, GLOBAL, PRAGATI, HEITZ 24 V

With execution required



UPCOMING ACTIVITIES



TELECOM ITEMS REQUIREMENT AT STTC/MDZTI/KGP

SRL NO	ITEM DESCRIPTION	Numbers With Execution
1	24 Port IP-DSLAM Equipment with 10 ADSL Modems	01 SET
2	TEJAS STM(TJ1400)-	02 NOS
3	IP Based surveillance system with NVR , Camera all types	01 SET
4	MAPLE -4C MULTIPLEXING EQUIPMENT WITH ALL TYPE OF MODULES	02 SETS
5	24 Port Layer 2 Managed switch CISCO Make	02 NOS
6	02 Mbps. V-35 & G-703 Modems	02 Set
7	CISCO ROUTER with E1 Port	02 NOS.
8	HP MSR ROUTER with E1 Port	02 Nos.
9	48 Volt 25 Amps battery charger	2 NOS.
10	48 Volt, 120 AH Battery VRLA Battery (Set of 24 Cells of 2 Volt each)	01 Set
11	TP ITEMS A) DIGITAL EARTH TESTER B) DIGITAL CABLE FAULT LOCATOR C) DIGITAL CABLE TRACER D) DIGITAL PSOPHOMETER E) DIGITAL CROSS- TALK METER F) OPTICAL POWER METER G) Fluke Pro Toner And Probe LAN Tester, MT-8200-60-KIT, for NETWORK	01 SET for each items. NOTE: Replacement of defective TMS KIT



Assurance from Dy.CSTEs for providing LAB Equipment



Dy.CSTE/Proj/KGP	Dy.CSTE/Proj/ADA
SSDAC- Make Medha DL BPAC- Make DELTRON	MSDAC – Make Medha Mini IPS- AMARA RAJA
Dy.CSTE/CON/KGP	Dy.CSTE/CON/CKP
IPMPLS	MSDAC – Make Medha IB UFSBI IPS – HBL
Dy.CSTE/CON/ADA	
MSDAC – Make Altropo Croatia MSDAC – Frauscher IB UFSBI SSDAC – Make CEL	



ASSISTANCE REQUIRED FROM HEAD QUARTER

CADRE STATUS

OTHERS



Sr. No	Name of the post	<u>Sanc.</u>	On Roll	Vacancy
1	SR.TECH/SIG	0	2	-2
2	TECH-I/SIG	3	0	3
3	TECH-II/SIG	1	0	1
4	TECH-III/SIG	0	2	-2
5	SR.TECH/TELE	0	1	-1
6	TECH-I/TELE	1	0	1
7	TECH-II/TELE	1	0	1
8	TECH-III/TELE	0	0	0
9	<u>Painter Gr.III</u>	1	0	1
10	Caretaker	1	1	0
11	Helper-II	7	5	2
12	Cleaner	1	0	1
13	<u>Safaiwala</u>	1	0	1
14	<u>Chowkidar</u>	4	2	2
15	Jamadar Peon	1	1	0
16	Peon	1	1	0
17	OS	1	1	0
18	Sr. Clerk	1	0	1



ASSISTANCE REQUIRED FROM HEAD QUARTER



- FOR CREATION OF ONE HOSTEL WARDEN POST AS IT IS VERY DIFFICULT TO MANAGE HOSTEL BY ONE CARETAKER WHO IS GROUP – D.
- FOR CREATION OF ONE LIBRARY CLERK POST FOR MANAGING THE LIBRARY AT MDZTI-S&T/KGP WHICH IS PROPOSED TO BE UPGRADED.



ASSISTANCE REQUIRED FROM HEAD QUARTER



- Out of 15 Instructors sanctioned, 10 Instructors post is lying vacant. Imparting training and other official work is getting hampered badly. **It is requested to arrange for sparing of Sri Kailash Chandra Sahoo, SSE/SIG/KGP from division at the earliest.** In this regard assistance is required for clearing the back log of Signal Refresher Trainees on urgent basis of 10 divisions over SER, SECR and ECoR.
- Posting order of **Sri Kailash Chandra Sahoo, SSE/SIG/KGP** has also been circulated vide **PCPO/GRC's Office Order No. SER/P-HQ/EN/235/ 12 /2022, Dated- 02/03/2022.**
- Other vacant Instructor posts also required to be filled up as early as possible through fresh notification.



ASSISTANCE REQUIRED FROM HEAD QUARTER



- **Chief Instructor/STTC/KGP** post is lying vacant. To be filled up through fresh notification as early as possible. Stores and Establishment related work is getting pending.
- Vacant **Sr.Clerk** & 01 **Tech/Tele** post is required to be filled up. Due to vacancy of CI post and **Sr.Clerk** lot of office correspondence is getting pending.
- Out of 07 Helper post 03 post is lying vacant. To be filled up as early as possible. (One Helper is on long absent, submitted resignation letter)



ASSISTANCE REQUIRED FROM HEAD QUARTER



- Out of 04 Chowkidar post 02 post is lying vacant. To be filled up as early as possible. Guarding the entire complex with several outdoor gears and Hostel is badly affected. RPF department also refused for guarding the complex.
- There are three Training Centers (STC, CETC & STTC) nearby. If Messing, Housekeeping & Security are combined under single contract it will be better.



Enhancement of budget under Revenue Allocation



- BE/requirement for FY.2022-23 of different PUs under Allocation No.-12K-510 of (S&T)/MDZTI/K MDZTI-S&T/KGP .

Grant No 12K-511	Budget Grant for 2021-2022	Budget Estimate for 2022-23	Remarks
K-510-14 (HONORARUM)	₹ 1,000/- (combined with CETC)	₹ 15,000/-	Due to COVID-19 no guest lecturer is called, as maximum classes are conducted online. For next FY the required amount is indicated in BE -2022-23.
K-510-18(OFFICE EXP)	₹ 2,76,000/-	₹ 3,00,000/- (20000/- x 12) +5000/- = 245000/- X 2 = 4,90,000/-	Newspaper, Technical Books & Magazines Computer Cartridge, Drawings, LAB sheet printing etc with Online Teaching Aids and Railtel WEBEX Software for Online Training for 50 users for 12 Months – 02 set.. For next FY the required amount is indicated in BE -2022-23.
K-510-28 (STORE NON STOCK)	₹ 32,000/-	₹ 3,88,130/-	For next FY the required amount is indicated in BE -2022-23.
K-510-32 (CONTRACTUAL PAYMENT)	₹ 6,96,000/-	₹ 14,00,000/- + ₹ 10,20,000/-	The Housekeeping work is under process and prepared for 06 months. A Vehicle to be hired for transportation of trainees. For next FY the required amount is indicated in BE -2022-23.



Enhancement of budget under Revenue Allocation contd...



- BE/requirement for FY.2022-23 of different PUs under Allocation No.-12K-510 of (S&T)/MDZTI/KGP.

Grant No 12K-511	Budget Grant for 2021-2022	Budget Estimate for 2022-23	Remarks
K-510-50 (COMP NEW)	₹ 14,000/-	₹ 3,25,040/-	For next FY the required amount is indicated in BE -2022-23.
K-510-51 (COMP MAINTENANCE)	₹ 22,000/-	₹ 67,000/-	Required for purchase of 02 nos. of 03 KVA UPS for power backup during online classes.
K-510-52 (LAPTOP FOR OFFICER)	₹ 85,000/-	₹ 75,000/-	As Principal STTC(MDZTI)/KGP has already purchased LAPTOP for an amount mentioned in RE 2021-22 so the amount may be reduced. For next FY the required amount is indicated in BE - 2022-23.
K-510-99 (MISC EXPENDITURE)	₹ 27,34,000/-	----	The scope of work for the mentioned Primary Unit is not confirmed.

Note: As (S&T)/MDZTI/KGP has already started On-Campus training for S&T staff over SER, SECR and ECoR, so the **House Keeping work** (K-510-32 (CONTRACTUAL PAYMENT) is urgently required to be started.



WORKS TO BE PROPOSED FOR DEVELOPMENT OF MDZTI-S&T/KGP



S.N.	PH	NAME OF WORK	COST	JUSTIFICATION
1	65	Installation of Distributed Hot-standby EI (Ansaldo make) with provision of IBS on both side of the Yard and associated Signaling Equipment required for above.	₹ 2,29,25,273/-	For imparting hands on training to the Signal Staff in connection modern equipment and new architecture and make the trainees comfortable at their respective field for maintenance and troubleshooting.
2	65	Installation of Distributed Hot-standby EI (Medha Make) with provision of Auto Signal on both side of the Yard and associated Signaling Equipment required for above.	₹ 2,24,98,875/-	For imparting hands on training to the Signal Staff in connection modern equipment and new architecture and make the trainees comfortable at their respective field for maintenance and troubleshooting.
3	65	Installation and Commissioning of 4 Line British RRI Station with CCIP and Mini Outdoor Yard along with Various associated Signaling equipment.	₹ 2,08,11,665/-	For imparting hands on training to the Signal Staff for acquiring basic knowledge on Signalling Route Relay Interlocking System.
4	65	Installation of Distributed Hot standby EI (Westrace Make) with provision of Auto Signal at one side of the Yard and IB on the other Side of the Yard and the Provision WEBFILL UFSBI to interface with IBS. Supply of associated Signaling and Tele communication Tools and Plants for measurement and maintenance of various equipment.	₹ 2,30,25,875/-	For imparting hands on training to the Signal Staff in connection modern equipment and new architecture and make the trainees comfortable at their respective field for maintenance and troubleshooting.
5	65	Installation of IPMPLS System and associated Telecommunication Equipment.	₹ 50,00,000/-	For imparting hands on training to the Telecom Staff in connection modern equipment and new architecture and make the trainees comfortable at their respective field for maintenance and troubleshooting.



GENERAL CAMPUS BUILDING





STTC HOSTEL





NEW BUILDING CONSTRUCTION BY RVNL



FRONT VIEW



SEMINAR ROOM



CLASS ROOM



CLASS ROOM



EQUIPMENT INSTALLED BY RVNL (IPS)



INTEGRATED POWER SUPPLY PANEL



BATTERY SET



AUTO CHANGE OVER PANEL



EQUIPMENT INSTALLED BY RVNL (KYOSAN EI)



KYOSAN EI



KYOSAN EI



RELAY RACK



FIBER MANAGEMENT UNIT



EQUIPMENT INSTALLED BY RVNL (DUAL VDU, MTC, SIMULATION PANEL)



DUAL VDU



MTC



SIMULATION PANEL



LED ASPECT



EQUIPMENT INSTALLED BY RVNL (SIEMENS MSDAC)



SIEMENS MSDAC



RELAY RACK



OUT DOOR DP



POINT MACHINE



EQUIPMENT INSTALLED BY RVNL (DATALOGGER & SL BPAC USING UFSBI)



DATALOGGER



SL BPAC USING UFSBI



SIMULATION PANEL SL BPAC USING UFSBI



FAT TESTING SETUP AT STTC/KGP





EXISTING EQUIPMENT AT STTC/KGP ELECTRONIC INTERLOCKING ANSALDO MAKE





EXISTING EQUIPMENT AT STTC/KGP ELECTRONIC INTERLOCKING ANSALDO MAKE





EXISTING EQUIPMENT AT STTC/KGP

ELECTRICAL LIFTING BARRIER, MAKE GLOBAL DEVICES





EXISTING EQUIPMENT AT STTC/KGP BPAC USING UFSBI DELTRON MAKE





EXISTING EQUIPMENT AT STTC/KGP DOUBLE LINE BLOCK INSTRUMENT





EXISTING EQUIPMENT AT STTC/KGP SINGLE LINE BLOCK INSTRUMENT





EXISTING EQUIPMENT AT STTC/KGP AUTO SECTION SETUP





EXISTING EQUIPMENT AT STTC/KGP

SINGLE SECTION DIGITAL AXLE COUNTER ELDYNE MAKE





EXISTING EQUIPMENT AT STTC/KGP

SINGLE SECTION DIGITAL AXLE COUNTER CELL MAKE





EXISTING EQUIPMENT AT STTC/KGP YARD LAYOUT WITH THICKWEB SWITCH





EXISTING EQUIPMENT AT STTC/KGP MULTI SECTION DIGITAL AXLE COUNTER





EXISTING EQUIPMENT AT STTC/KGP

STM FIBCOM MAKE & PDH EQUIPMENT WEBFIL & PUNCOM MAKE





EXISTING EQUIPMENT AT STTC/KGP NETWORKING AND DATACOM EQUIPMENTS





EXISTING EQUIPMENT AT STTC/KGP

TRAIN TRAFFIC CONTROL EQUIPMENTS & 1+1 TELEPHONE





EXISTING EQUIPMENT AT STTC/KGP

PA SYSTEM AND INTEGRATED PASSENGER INFORMATION SYSTEM



LIBRARY





CC TV MONITORING





COVID PRECAUTIONS





COVID PRECAUTIONS





THANK YOU