



भारत सरकार GOVERNMENT OF INDIA  
रेल मंत्रालय MINISTRY OF RAILWAYS  
रेलवे बोर्ड RAILWAY BOARD



No.2024/I & Trans. Cell/ SOCC

New Delhi, Date: 21.06.2024

The General Managers  
PHODs  
All Indian Railways

**Subject:** Standardized layout of Station Building including the  
Station Operations Centre (SOC)

A standard layout for S&T service buildings was circulated by RDSO vide letter no. STS/E/Standardization of service building dated 09.01.2019. Accordingly, this standard drawing is being used as a reference drawing while finalizing the General Arrangement Drawing (GAD) for the station buildings in connection with various works pertaining to different Plan heads.

At Stations where the station buildings have been constructed as per the approved design, it has been found that the space available in the Station Master's office & Panel room (Nomenclature used in the above-mentioned drawing. "Panel Room only") is not adequate as per the functional requirement of the Station Master. Additionally, the requirement of rest room facility for the RG/LR staff of operating, commercial, signaling etc. that are deployed at the station is also absent. Further, a changing room with separate toilet facility for the female staff posted at the stations is also an unmet demand.

Based upon the concerns raised by multiple Zonal railways, a standard layout of the roadside station building including the Station Master's Office/Station Operations Centre (SOC), the maintenance offices, staff amenities and passenger amenities/services has been developed by RDSO incorporating all such suggestions and requirements. The layout has been finalized based upon ergonomic requirements for safe and efficient working of the Station Master and other station staff.

Two versions (Single storey Ground and Ground +1) of the standard layout with notes and electrical plan are being issued and circulated for implementation. Zonal Railways may adopt any of the versions as per local feasibility. Uniform sideways alignment on both sides of the station entry should be ensured as far as possible. Based on the local conditions, variations in the standard layout to ensure such sideways alignment may be done as per NOTE I point no. 1 of the standard layouts of roadside stations (attached).

This issues with the approval of the Railway Board (MOBD, MTRS, MI, Chairman & CEO)

Director/Transformation  
Railway Board

- Encl:** (i) Layout of Road side station service building Plan (Annexure-I)  
(ii) Layout of road side station service building Electrical plan (Annexure-II)  
(iii) Layout of Road side station service building (G+1) Plan (Annexure-III)  
(iv) Layout of Road side station service building (G+1) Electrical Plan (Annexure-IV)

**Copy - as per list attached.**

Innovation & Transformation Cell, 3<sup>rd</sup> Floor, Rail Bhawan, Raisina Road, New Delhi - 110001

**Copy to:**

1. The ADAI (Railways), New Delhi
2. The Director of Audit, All Indian Railways
3. The Director General, National Academy of Indian Railways, Vadodara.
4. The Director General, Indian Railway Institute of Civil Engineering, Pune.
5. The Director General, Indian Railway Institute of Mechanical and Electrical Engineering, Jamalpur.
6. The Director General, Indian Railway Institute of Signal Engineering and Telecommunications, Secunderabad.
7. The Director General, Indian Railway Institute of Electrical Engineering, Nasik.
8. The Director General, Indian Railway Institute of Transport Management, Lucknow.
9. The Executive Director, Indian Railways Centre for Advanced Maintenance Technology, Gwalior.
10. The Registrar, Railway Claims Tribunal, Delhi.
11. The Chief Commissioner of Railway Safety, Lucknow.
12. The Secretary, Railway Rates Tribunal, Chennai.
13. The Chairman. Railway Recruitment Board, Ahmedabad. Ajmer, Allahabad, Bangalore, Bhopal, Bhubaneshwar, Chandigarh, Chennai, Gorakhpur. Guwahati, Jammu & Srinagar, Kolkata, Malda, Mumbai, Muzaffarpur, Patna, Ranchi, Secunderabad and Trivendrum.
14. The Genl. Secy., AIRF, Room No. 253, & NFIR Room No. 256-E, Rail Bhavan
15. The Secy. Genl., IRPOF, Room No. 476-K. FROA, Room No. 256-A & AIRPFA, Room No. 256-D Rail Bhavan

**Copy to:**

1. Advisor/MR, EDPG/MR, OSD/MR, OSD/Coord/MR, Additional PS/MR PS/MoSR(D), EDPG/MoSR(D), EDPG/MoSR(J), Addl.PS/MoSR(J)
2. PSOs/Sr.PPSs/PPSs to CRB & CEO, M/O&BD, MF, M/TRS, M/Infra
3. All DGs, Secretary/RB, All AMs, PEDs, All EDs, Railway Board.
4. IG/P&TS, Railway Board.
5. RBCC, Room No. 476 for uploading on the website.

  
(Ambar Pratap Singh)  
Dir. / Transformation  
Railway Board  
email: ambar.pratap.singh@gov.in



भारत सरकार - रेल मंत्रालय  
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Government of India-Ministry of Railways  
Research Designs & Standards Organisation  
Lucknow - 226 011  
DID (0522) 2450115  
DID (0522) 2465310



No. TFC/420/Standard layout of Station Building

Date: 18.06.2024

6

निदेशक/ट्रांसफॉर्मेशन  
रेलवे बोर्ड,  
नई दिल्ली।

विषय: स्टेशन सर्विस बिल्डिंग के ले-आउट प्लान के मानकीकरण के संबंध में।  
संदर्भ: रेलवे बोर्ड के पत्र संख्या 2024/I&Trans. Cell/SOCC दिनांक 22.03.2024.

रेलवे बोर्ड के संदर्भित पत्र के आलोक में आर.डी.एस.ओ. के यातायात एवं मनोतकनीकी निदेशालय, अवसंरचना (इन्फ्रास्ट्रक्चर) निदेशालय, संकेत एवं दूरसंचार निदेशालय तथा विद्युत आपूर्ति एवं ई.एम.यू. निदेशालय द्वारा रोड साईड स्टेशन सर्विस बिल्डिंग का एक 'स्टैंडर्ड ले-आउट प्लान' विकसित किया गया एवं इस कार्यालय के पत्र संख्या TFC/420/Standard Layout of Station Building दिनांक 29.04.2024 के द्वारा रेलवे बोर्ड के विचारार्थ प्रेषित किया गया। इसके अनुक्रम में, दिनांक 14.05.2024 को कार्यकारी निदेशक/कॉरपोरेट एवं समन्वय, रेलवे बोर्ड द्वारा महानिदेशक/आर.डी.एस.ओ. को अवगत कराया गया कि अध्यक्ष एवं मुख्य कार्यकारी अधिकारी, रेलवे बोर्ड ने उक्त प्लान में महिला एवं पुरुष कर्मचारियों के लिए अलग-अलग विश्राम-कक्ष दर्शाते हुए G+1 संरचना का ड्राइंग बनाने हेतु भी निर्देशित किया गया है। उक्त के अनुपालन में विकसित किया गया ड्राइंग नं० TFC/420/Standard Layout of Station Building/Ver-1(संलग्नक- I), ड्राइंग नं० TFC/420/Standard Layout of Station Building/Electrical/Ver-1(संलग्नक- II), ड्राइंग नं० TFC/420/Standard Layout of Station Building/G+1/Ver-1(संलग्नक- III) एवं ड्राइंग नं० TFC/420/Standard Layout of Station Building/G+1/Electrical/Ver-1(संलग्नक-IV) रेलवे बोर्ड के विचारार्थ एवं अग्रिम कार्रवाई हेतु प्रेषित किया जा रहा है।

संलग्नक: यथोपरि।

18.06.24

(डा० वीणा कु० वर्मा)  
कार्यकारी निदेशक/यातायात एवं मनो.





भारत सरकार - रेल मंत्रालय  
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Government of India-Ministry of Railways  
Research Designs & Standards Organisation  
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No. TFC/420/Standard layout of Station Building

Date: 29.04.2024

Director/Transformation,  
Railway Board,  
New Delhi.

**Sub: Standardised layout of Station Service Building.**

Ref: Rly Bd's letter no. 2024/I& Trans. Cell/SOCC dated 22.03.2024.

In reference to the Rly Bd's letter the S&T service building drawing, circulated vide letter no. STS/E/Standardization of service building dated 09.01.20219 and being used for finalizing the GAD for the station buildings, has been modified as per the functional requirements of Station Master and other users. A standard layout of the roadside station service building has been developed incorporating all the suggestions given in the Rly. Bd's letter. Uniform sideway alignment on both sides of the station entry of the station building has been kept in mind while working on the plan. The SM office and entry of the station building has been centrally located in the layout.

In this modified layout, along with the SM's office a record room and an equipment room have been provided. There is glass partition in the equipment room for clear visibility of equipment to the working SM. For safe and efficient working of SM, all the equipment, various types of key boxes, equipment boards and safety documents have been ergonomically placed and shown in the attached notes of the standard layout.

An electrical room has also been added in the layout for placement of various boards and junction boxes. The size of existing S&T Diagnostic/Maintenance room and Tele equipment room has been increased for adjustment of additional equipment. S&T and electrical wiring and cabling along with specifications have also been shown in the layout. Required building specifications have been laid down in the attached notes of the plan.

Provision of Electronic Display Unit has been recommended to de clutter SM office for better workspace utilization and visual ergonomics. All the safety posters, list of safety items and Station Mirror may be displayed on this Electronic Display Board. Provision of Air conditioning in the SM office, along with the Interlocking-cum-axle counter room and Tele equipment room, has also been done looking into the requirement for effective working of EI and UTS/ PRS/ ICMS/FOIS equipment installed there and to facilitate the intensive safety work of the Station Master.

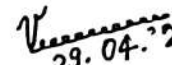
Operating and other staff, who sign off their duties in the night shifts or come from other stations as RG/LR and are unable to commute to their residence at odd hours, need some stay arrangement at roadside station. Provision of Rest Room has been made for such staff in this layout. Now-a-days, number of female employees are increasing in train operation. Provision of Change Room has also been made for female staff.

For passenger amenities, booking counters, concourse-cum-booking hall and a waiting room along with toilet have been provisioned in this layout.

This standard layout of roadside station service building has been developed and being sent for the consideration of the Rly. Bd.

DA: Annexure I & II.

( Standard layout of roadside station service building with notes.)

  
29.04.24

(Dr. Veena K. Verma)  
Executive Director/T&P

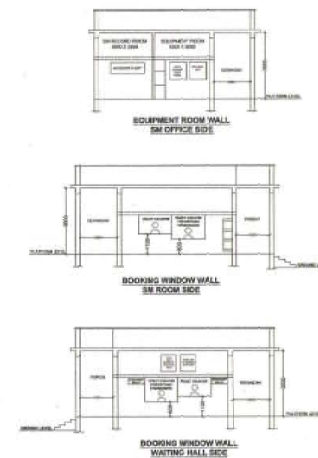
Copy to: Secy. to DG for kind information of DG please.



(AUTHORITY): RLY, B.D'S LETTER NO. 2024/18 TRANS. CELL/SOCC, DATED: 22.03.2024

(AUTHORITY: RLY. BDP'S LETTER NO. 2024/18 TRANS. CELL/SOCC, DATED: 22.03.2024)

## ANNEXURE-I



NOTE: 1. GENERAL NOTE FOR ERGONOMIC PLACEMENT OF SM OFFICE ITEMS

- [illegible]

NOTE-4: FOR STRUCTURE AND TECHNICAL REQUIREMENT.

- [illegible]

[illegible]

RESEARCH DESIGNS &amp; STANDARDS ORGANISATION, LUCKNOW-226011

DRAWING NO.- TFC/420/STANDARD LAYOUT OF STATION BUILDING/Ver. -I

LAYOUT OF ROAD SIDE STATION  
SERVICE BUILDING PLAN

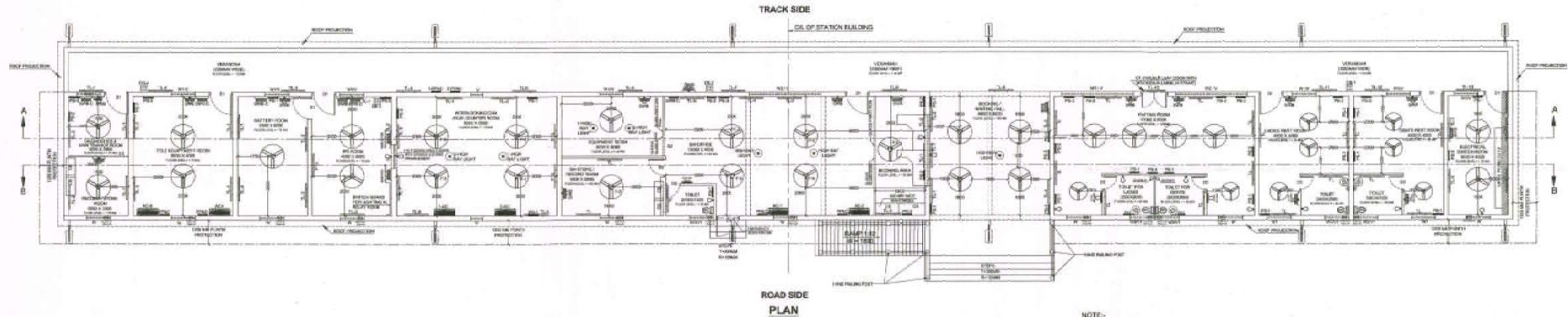
SCALE: N.T.S.

TRACK DIRECTORATE	ELECTRICAL DIRECTORATE	SIGNAL DIRECTORATE	TELECOM DIRECTORATE	TRAFFIC & PSYCHO-TECHNICAL DIRECTORATE
<p>DESIGNED BY: <i>[Signature]</i></p> <p>SCALE: 1:1</p>	<p>DESIGNED BY: <i>[Signature]</i></p> <p>SCALE: 1:1 Elec</p>	<p>DESIGNED BY: <i>[Signature]</i></p> <p>SCALE: 1:1</p>	<p>DESIGNED BY: <i>[Signature]</i></p> <p>SCALE: 1:1</p>	<p>DESIGNED BY: <i>[Signature]</i></p> <p>SCALE: 1:1</p>
<p>SOFT PLOTTED BY: <i>[Signature]</i></p>	<p>SOFT PLOTTED BY: <i>[Signature]</i></p> <p>SCALE: 1:1 Elec</p>	<p>SOFT PLOTTED BY: <i>[Signature]</i></p> <p>SCALE: 1:1</p>	<p>SOFT PLOTTED BY: <i>[Signature]</i></p> <p>SCALE: 1:1</p>	<p>SOFT PLOTTED BY: <i>[Signature]</i></p> <p>SCALE: 1:1</p>
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<p>DESIGNED BY: <i>[Signature]</i></p>	<p>DESIGNED BY: <i>[Signature]</i></p>	<p>DESIGNED BY: <i>[Signature]</i></p>	<p>DESIGNED BY: <i>[Signature]</i></p>	<p>DESIGNED BY: <i>[Signature]</i></p>

# LAYOUT OF ROADSIDE STATION SERVICE BUILDING ELECTRICAL PLAN

(AUTHORITY: RLY. BIDS LETTER NO. 2024/1& TRANS. CELL/SOCC. DATED: 22.03.2024)

ANNEXURE-II



NOTE:

- SEPARATE CONCEALED WIRING TO BE DONE FOR FEEDING VARIOUS APPLIANCES THROUGH LOCAL SUPPLY (SEB) & FOR AT SUPPLY THROUGH CLS PANELS AS PER RAILWAY BOARD LETTER 228/2023 DT. 13/02/2023 ON LATEST.
- WIRE SIZE FOR POINT WIRING :-  
a. LIGHT & FAN POINT 1.50SQMM. MULTI STANDARD COPPER WIRE.  
b. 5 AMP. PLUG POINT 2.50SQMM. MULTI STANDARD COPPER WIRE.  
c. 15 AMP. POWER PLUG POINT 4.00SQMM. MULTI STANDARD COPPER WIRE.
- WIRE SIZE FOR CIRCUIT WIRING :-  
a. LIGHT & FAN POINT 2.50SQMM. MULTI STANDARD COPPER WIRE.  
b. 5 AMP. PLUG POINT 2.50SQMM. MULTI STANDARD COPPER WIRE.  
c. 15 AMP. POWER PLUG POINT 4.00SQMM. MULTI STANDARD COPPER WIRE.  
d. AC POINT 6.00SQMM. MULTI STANDARD COPPER WIRE.
- SAME WIRE SIZE TO BE MAINTAINED FOR EARTHING.
- ELECTRICAL WIRING IN STATION BUILDING TO BE DONE AS PER PROPOSED LAYOUT.
- SUITABLE OPTIMUM CAPACITY SWITCH GEAR PANEL ALONG WITH METERING ARRANGEMENT OF DISCOMBES SUPPLY TO BE PROVIDED IN ELECTRICAL ROOM.
- ILLUMINATION LEVEL AT STATION BUILDING SHOULD BE MAINTAINED AS PER RAILWAY BOARD LETTER NO. 2006/ELECT/0172/VTPT. I DATED 29/03/2024 ON LATEST.
- ALL AIR CONDITIONING UNIT SHOULD BE CONNECTED WITH LOCAL SUPPLY AVAILABLE ONLY FROM DISCOMBES & SHOULD NOT BE FED FROM AT SUPPLY AS PER RAILWAY BOARD LETTER NO. 2015/SIG/AR CONDITIONING DT. 17/12/2015.
- POWER PLUG SWITCH TO OPERATE AC UNIT FOR SIGNALING INSTALLATION SHALL BE PROVIDED OUTSIDE INTERLOCKING CUM AXLE COUNTER ROOM AND TELECOM EQUIPMENT ROOM AT SUITABLE LOCATION.
- AC UNIT FOR INTERLOCKING CUM AXLE COUNTER ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE OPERATED ONLY DURING DAYTIME.
- STANDARD SIGNAGES AT STATIONS ON INDIAN RAILWAYS TO BE PROVIDED AS PER RAILWAY BOARD POLICY GUIDELINE ISSUED APRIL 2023.
- AIR-CONDITIONING TO THE INTERLOCKING ROOM, SM OFFICE ROOM AND TELECOM EQUIPMENT ROOM SHALL BE PROVIDED. PROVISION TO BE MADE IN SUCH A WAY THAT SPILL OF WATER OUTLET FROM AIR-CONDITIONING UNIT PROVIDED IN INTERLOCKING CUM AXLE COUNTER ROOM, SM OFFICE ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE OUTSIDE THE ROOM I.E., VARANDAH/BACKSIDE OF BUILDING SO THAT IT SHALL NOT AFFECT THE FUNCTIONING OF SIGNALING & TELECOM SYSTEM. THE LOCATION OF ELECTRICAL FITTINGS SHALL CATER FOR INSTALLATION OF FIRE DETECTION SYSTEM. AT GENERATOR LIGHTING SHALL BE PROVIDED AS PER THE LATEST GUIDELINES ISSUED BY RAILWAY BOARD. THE ELECTRICAL AND SIGNALING WIRING SHALL NOT BE ON THE SAME CONDUIT.
- ALL AC OUTDOOR UNITS SHOULD BE PLACED UNDER SUITABLE SIZE OF COVER SHED TO PROTECT THE OUTDOOR UNIT FROM DIRECT BUILDING/RAIN ETC.
- THIS DRAWING IS BASED ON MAIN DRAWING NO. TRC420/STANDARD LAYOUT OF STATION BUILDING/Vol. - I.

Bill of material / scale of electrical fittings											
Details of points to be provided in each type Room											
Type of Room	SWB	SWB-C	CL Fan	LED TL	LED Bulb	Ex Fan	Street light	PS-AC	AC	HBL	DB with MCB
Electric Equipment Room	1	2	4	1	1	-	-	-	-	-	3
Gents Rest Room	1	3	3	2	-	-	-	-	-	-	3
Gents Rest Room Toilet	1	0	1	1	1	-	-	-	-	-	1
Ladies Rest Room	1	3	3	2	-	-	-	-	-	-	3
Ladies Rest Room Toilet	1	0	1	1	1	-	-	-	-	-	1
Waiting Room	3	6	6	8	-	-	-	-	-	-	3
Waiting Room Gents Toilet	1	-	1	1	1	-	-	-	-	-	1
Waiting Room Ladies Toilet	1	-	1	1	1	-	-	-	-	-	1
Booking / Waiting Hall	1	4	4	1	-	-	-	-	-	-	4
SM Room	3	5	5	8-1	-	-	-	2	2	-	3
Telet SM Room	1	-	1	1	1	-	-	-	-	-	1
Equipment Room / SM	1	1	1	1	-	-	-	-	2	-	3
Record Room / SM	1	1	2	1	1	-	-	-	-	-	1
Interlocking cum Axel Counter Room	-	-	4	8	1	-	-	-	2	2	3
IPS Room	2	2	2	4	1	1	-	-	-	-	1
Battery Room	1	1	1	4	1	1	-	-	-	-	3
Tele Equipment Room	1	1	2	4	1	1	-	2	-	-	1
Diagnostic & Maintenance Room	1	1	1	2	1	-	-	-	-	-	1
Record / Store Room	1	-	1	2	1	1	-	-	-	-	1
Verandah	1	-	-	13	1	-	-	-	-	-	3
Road Top Boundary	-	-	-	-	-	32	-	-	-	-	-
Total	22	22	46	36	72	29	12	22	6	6	37

PS-1 = 5 Amp Switch 2 No. with 5 Amp Socket 2 No.  
PS-2 = 5 Amp Switch 4 No. with 5 Amp Socket 4 No.  
PS-3 = 15 Amp Switch 1 No. with 15 Amp Socket 1 No. 5 Amp Switch 3 No. with 5 Amp Socket 3 No.  
AC = AC with Headline (HVA)  
PP-AC = 32 Amp MCB with 32 Amp Industrial Plug & Socket  
HBL = High Bay Light - 35/40 watt  
SWB = Switch Board for Tube Light, Bulb, Fan & 30 Amp  
SWB-C = Switch Board on CLS Panel for Tube Light and Fan as per Railway Guide Line issued vide letter no. 82/NE/120/1 dt. 13/07/2002 or latest.  
Installation of CLS panel in SM equipment room.

LEGEND:	
FAN (F) 1200mm/600mm.	
TUBE LIGHT 1800MM (TL)	
HIGH BAY LIGHT	
SWITCH BOX (SWB) LOCAL POWER	
SWITCH BOX (SWB-C) CLS POWER	
EX FAN	
LED BULB	
ELECT. DEYSER	
CLS PANEL	
DB-3PH-4P-4W	
AC WITH STABILIZER	
PRAC	
STREET LIGHT 35/40W	
PS-1 (5AMP) SWITCH 2 NOS. WITH SAMP. SOCKET 2 NOS.	
PS-2 (5AMP) SWITCH 4 NOS. WITH SAMP. SOCKET 4 NOS.	
PS-3 (15AMP) SWITCH 1 NOS. WITH SAMP. SOCKET 1 NOS. & 5 AMP. SWITCH 3 NOS. WITH SAMP. SOCKET 3 NOS.	

DOOR WINDOW SCHEDULE				
NO.	ROOM	CLS LYS.	WINDOW	DOOR
DOORS				
01	001	40.00	1200	2000
02	002	40.00	1200	2000
03	100	40.00	1200	2000
WINDOWS				
04	001	400	1200	2000
05	002	400	1200	2000
06	003	400	1200	2000
07	004	400	1200	2000
08	005	400	1200	2000
09	006	400	1200	2000
10	007	400	1200	2000
11	008	400	1200	2000
12	009	400	1200	2000

RESEARCH DESIGNS & STANDARDS ORGANISATION, LUCKNOW-226011

DRAWING NO.- TFC/420/STANDARD LAYOUT OF STATION BUILDING/ELECTRICAL/Ver. - I

## LAYOUT OF ROAD SIDE STATION SERVICE BUILDING ELECTRICAL PLAN

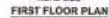
SCALE:- N.T.S

TRACK DIRECTORATE	ELECTRICAL DIRECTORATE	SIGNAL DIRECTORATE	TELECOM DIRECTORATE	TRAFFIC & PSYCHO-TECH DIRECTORATE
DRAWN BY: [Signature]	CHECKED BY: [Signature]	CHECKED BY: [Signature]	CHECKED BY: [Signature]	CHECKED BY: [Signature]
SCR/INSTR BY: [Signature]	SCRUTINISED BY: [Signature]	SCRUTINISED BY: [Signature]	SCRUTINISED BY: [Signature]	SCRUTINISED BY: [Signature]
APPROVED BY: [Signature]	APPROVED BY: [Signature]	APPROVED BY: [Signature]	APPROVED BY: [Signature]	APPROVED BY: [Signature]
DIRECTOR/TP&B/RO260	ED/SP/CSO	ED/SIGNAL/4/RO260	ED/TELE/4/RO260	ED/TP&B/RO260



(AUTHORITY: RLY. BD'S LETTER NO. 2024/1& TRANS. CELL/SOCC, DATED: 22.03.2024)

(AUTHORITY: RLY. BD'S LETTER NO. 2024/1& TRANS. CELL/SOCC, DATED: 22.03.2024)



### LOOKING WINDOW WALL ON ROOM SIDE

BOOKING WINDOW WALL  
WAITING HALL SIDE

LEGEND:-	
WINDON (WIND)	
WINDON WITH SHUTTER (AM)	
VE VENTILATOR (V)	
VERTICAL BLIND TYPE SHUTTER (BT)	
DOOR (SHUTTER)	
DOUBLE LEAF DOOR (DL)	
WATER CLOSET (WC)	
WASH BASIN (WB)	

DOOR WINDOW SCHEDULE					
NO.	DESCRIPTION	QTY.	UNIT	AMOUNT	EXT. TOTAL
DOORS					
1	100	40.00	200	8000	8000
2	100	40.00	200	8000	8000
3	100	40.00	200	8000	8000
WINDOWS					
4	100	40.00	200	8000	8000
5	100	40.00	200	8000	8000
6	100	40.00	200	8000	8000
7	100	40.00	200	8000	8000
8	100	40.00	200	8000	8000
9	100	40.00	200	8000	8000
10	100	40.00	200	8000	8000
11	100	40.00	200	8000	8000
12	100	40.00	200	8000	8000
13	100	40.00	200	8000	8000
14	100	40.00	200	8000	8000
15	100	40.00	200	8000	8000
16	100	40.00	200	8000	8000
17	100	40.00	200	8000	8000
18	100	40.00	200	8000	8000
19	100	40.00	200	8000	8000
20	100	40.00	200	8000	8000
21	100	40.00	200	8000	8000
22	100	40.00	200	8000	8000
23	100	40.00	200	8000	8000
24	100	40.00	200	8000	8000
25	100	40.00	200	8000	8000
26	100	40.00	200	8000	8000
27	100	40.00	200	8000	8000
28	100	40.00	200	8000	8000
29	100	40.00	200	8000	8000
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98	100	40.00	200	8000	8000
99	100	40.00	200	8000	8000
100	100	40.00	200	8000	8000

RESEARCH DESIGNS & STANDARDS ORGANISATION, LUCKNOW-226011  
DRAWING NO.- TFC/420/STANDARD LAYOUT OF STATION BUILDING (G+1) Ver. 4

DRAWING NO.- TFC/420/STANDARD LAYOUT OF STATION BUILDING (G+1) /Ver.4

LAYOUT OF ROAD SIDE STATION  
SERVICE BUILDING (G+1) PLAN

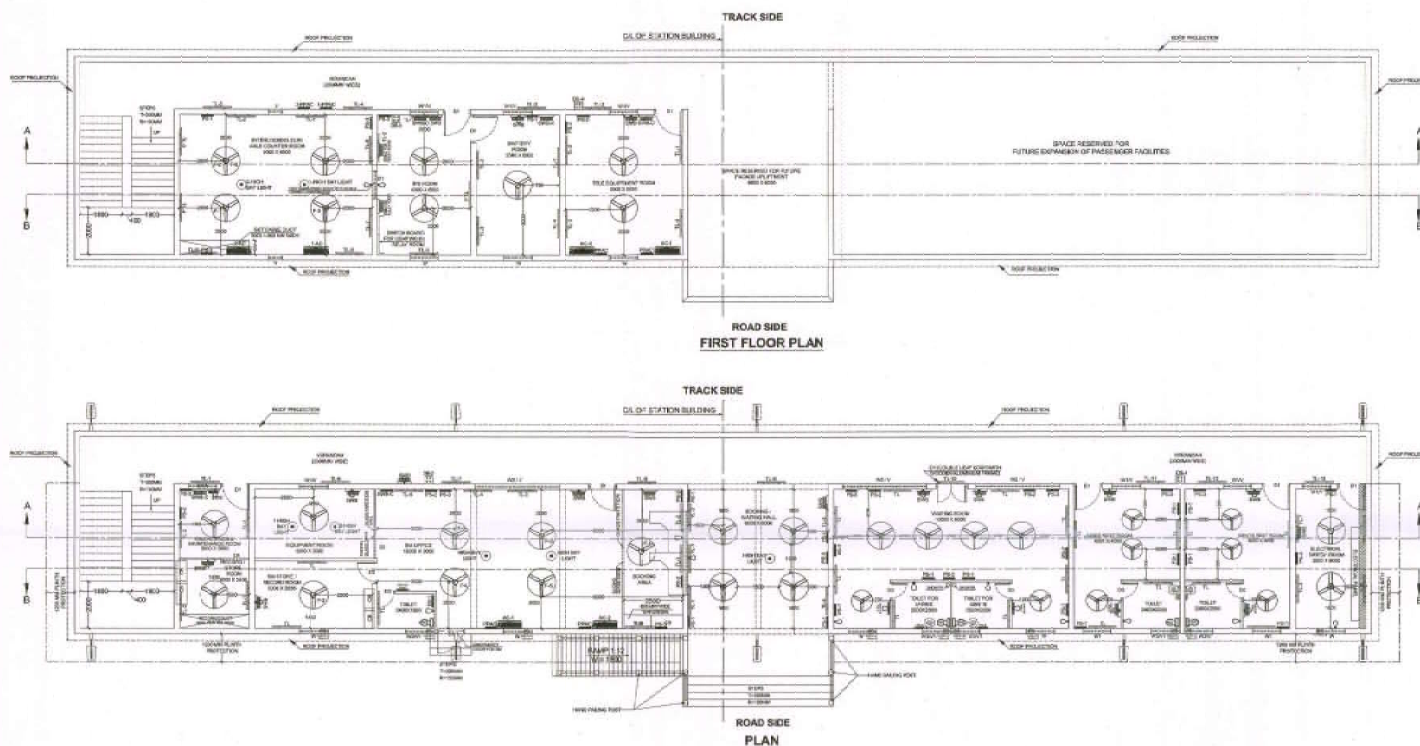
SCALE - N.T.S.





















[illegible]



(AUTHORITY: RLY. BD'S LETTER NO. 2024/I& TRANS. CELL/SOCC. DATED: 22.03.2024)

- NOTE: 1. SEPARATE CONCEALED WIRING TO BE DONE FOR FEEDING VARIOUS APPLIANCES THROUGH LOCAL SUPPLY (SERIES) FOR AT SUPPLY THROUGH CLS PANELS AS PER RAILWAY BOARD LETTER NO. 200962026/0-721972 (OR LATEST).
2. WIRING TO BE DONE FOR CROCKET WIRE.
3. LIFT & FAN PORT - 2.500MM MULTI STANDARD COPPER WIRE.
4. 1 AMP. PLUG POINT - 2.500MM MULTI STANDARD COPPER WIRE.
5. 15 AMP POWER PLUG POINT - 4.000MM MULTISTANDARD COPPER WIRE.
6. WIRING FOR CROCKET WIRE.
7. LIFT & FAN PORT - 2.500MM MULTI STANDARD COPPER WIRE.
8. 1 AMP. PLUG POINT - 2.500MM MULTI STANDARD COPPER WIRE.
9. 15 AMP POWER PLUG POINT - 4.000MM MULTISTANDARD COPPER WIRE.
10. WIRING FOR CROCKET WIRE.
11. SAME WIRE SIZE TO BE MAINTAINED FOR EARTHING.
12. ELECTRICAL WIRING IN STATION BUILDING TO BE DONE AS PER PROPOSED LAYOUT.
13. SUPPLY OPTIMUM CAPACITY SWITCH GEAR PANEL ALONG WITH METERING AND PROVISION OF DISCOMMISSIONS SWIT TO BE PROVIDED IN ELECTRICAL ROOM.
14. ILLUMINATION LEVEL AT STATION BUILDING SHOULD BE MAINTAINED AS PER RAILWAY BOARD LETTER NO. 200962026/0-721972, I DATED 26/09/2024 OR LATEST.
15. ALL AIR CONDITIONING UNIT SHOULD BE CONNECTED WITH LOCAL SUPPLY AVAILABLE ONLY FROM DISCOMMISSIONS AND SHOULD NOT BE FED FROM AT SUPPLY AS PER RAILWAY BOARD LETTER NO. 2016194/00 CONDITIONING DT. 19/10/2015.
16. POWER PLUG SWITCH TO OPERATE AC UNIT FOR SIGNALING INSTALLATION SHALL BE PROVIDED OUTSIDE INTERLOCKING CLM KULE COUNTER ROOM AND TELECOM EQUIPMENT ROOM AT SUIABLE LOCATION.
17. AC UNIT FOR INTERLOCKING CLM KULE COUNTER ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE PROVIDED PROTECTION TO BE MADE IN SUCH A WAY THAT "SPILL OF WATER COUNTER FROM AIR CONDITIONING UNIT PROVIDED IN INTERLOCKING CLM KULE COUNTER ROOM, SUI OFFICE ROOM AND TELECOM EQUIPMENT ROOM" SHOULD BE OUTSIDE THE ROOM I.E. WATER PROOF BOXES SHOULD BE PROVIDED TO PREVENT THE WATER FROM PUNCTURING OF SIGNALING & TELECOM SYSTEM. THE LOCATION OF ELECTRICAL FITTINGS SHALL CATER FOR INSTALLATION OF FIRE DETECTION SYSTEM. ATTENUATOR LIGHTING SHALL BE PROVIDED AS PER THE LATEST GUIDELINES ISSUED BY RAILWAY BOARD. THE ELECTRICAL AND SIGNALING WIRING SHALL NOT BE ON THE SAME CONDUIT.
18. ALL AC OUTDOOR UNITS SHOULD BE PLACED UNDER SUITABLE SIZE OF COVERED SPACE TO PROTECT THE OUTDOOR UNIT FROM DRIPPING SUNLIGHT, RAINFALL ETC.
19. THE WIRING IS IN ACCORDANCE WITH THE DRAWING NO. TDC/2023/STANDARD LAYOUT. STATION BUILDING, GSI/1/2023.

[illegible]

LEGEND:	
FAN (F) 100mmx50mm.	
TUBE LIGHT 1820W (TL)	
SWITCH (SWP)	
HIGH BAY LIGHT	
SWITCH BOX (SWB)	
LOCAL POWER	
SWITCH BOX (SWB-C)	
CLS POWER	
EX. FAN	
LED BULB	
ELECT. GEYSER	
CLS PANEL	
DB-3P1-4W	
AC W/TH STABILIZER	
PPVC	
STREET LIGHT 354W	
PS-1 (SWP, SWITCH 2 NOS, W/TH AMP, SOCKET 2 NOS.	
PS-2 (SWP, SWITCH 1 NOS, W/TH AMP, SOCKET 1 NOS.	
PS-3 (SWP, SWITCH 1 NOS, W/TH AMP, SOCKET 1 NOS & 1 AMP, SWITCH 1 NOS.	
PS-4 (SWP, SOCKET 1 NOS.	

DOOR WINDOW SCHEDULE				
NO.	WIDTH	COL. LVL.	HEIGHT	UNIT SFL.
<b>DOORS</b>				
D1	1200	+000	2100	210
D2	800	+000	2100	210
D3	150	+000	2100	210
<b>WINDOWS</b>				
W	1200	+000	1200	210
W1	800	+000	1200	210
W2	2400	+000	1200	210
W3	500	+000	800	210
W4	800	+000	800	-
<b>CURTAINS/BLINDS/SHUTTERS</b>				
NC	WIDTH	DEPTH	BL.	HEIGHT
NC1	800	800	400	2100

RESEARCH DESIGNS & STANDARDS ORGANISATION, LUCKNOW-226011

DRAWING NO. - TFC/420/STANDARD LAYOUT OF STATION BUILDING (G+1)/ELECTRICAL/Ver. - 1

LAYOUT OF ROAD SIDE STATION SERVICE  
BUILDING (G+1) ELECTRICAL PLAN

SCALE - N.T.S.				
TRACK DIRECTORATE	ELECTRICAL DIRECTORATE	SIGNAL DIRECTORATE	TELECOM DIRECTORATE	TRAFFIC & PSYCHO-TECH DIRECTORATE
DRAWN BY:  40/10/2010	DESIGNED BY:  SSK/D-15/Elec.	CHECKED BY:  NAKK SSK/D-10/Signal	CHECKED BY:  SSK/D-10/Telecom	CHECKED BY:  SSK/D-10/Traffic
SCR/WRITTEN BY: 	SCR/WRITTEN BY:  SSK/D-15/Elec.	SCR/WRITTEN BY:  ADE/Elec	SCR/WRITTEN BY:  ADE/Tele	SCR/WRITTEN BY:  ADE
APPROVED BY: 	APPROVED BY: 	APPROVED BY:  SSK/D-10/Signal	APPROVED BY:  SSK/D-10/Telecom	APPROVED BY:  SSK/D-10/Traffic