



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.

  
21.06.24

(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  
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DID (0522) 2465310



No. TFC/420/Standard layout of Station Building

Date: 18.06.2024

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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5

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.

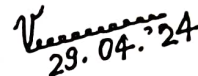


For passenger amenities, booking counters, concourse-cum-booking hall and a waiting room along with toilet have been provisioned in this layout.

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. BD'S LETTER NO. 2024/18 TRANS. CELL/SOCC, DATED: 22.03.2024)



- [illegible]

**NOTE-B: FOR STRUCTURE AND TECHNICAL REQUIREMENT:**

- [illegible]

LEGENDS:		DOOR WINDOW SCHEDULE				
WINDOW (W/VAZ)		NO.	DOOR	WINDOW	HEIGHT	WIDTH
WINDOW WITH EXHAUST (FA EXH)		DIMENSIONS				
VENTILATOR (V)		DI	1300	1050	2100	2100
VERTICAL SHAFT EXHAUST (V1)		DI	900	4050	2100	2100
VERTICAL SHAFT EXHAUST (V1)		DI	2100	4050	2100	2100
DOOR (D) (H) (E) (S)		V DOOR (V)				
		W	1300	1050	1200	2100
		W	900	4050	2100	2100
		W	2100	4050	2100	2100
		W	1300	1050	850	2100
		V	900	4050	850	2100
		V	2100	4050	850	2100
DOUBLE LEAF DOOR (DI)		GLASS/PS, THERMOGLASS/PS, ISOL				
		NCL	DEPTH	DEPTH	HEIGHT	WIDTH
		DI	900	4050	850	2100
WASH BASIN (W/B)						

RESEARCH DESIGNS &amp; STANDARDS ORGANISATION, LUCKNOW-226011

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

LAYOUT OF ROAD SIDE STAT  
SERVICE BUILDING PLAN

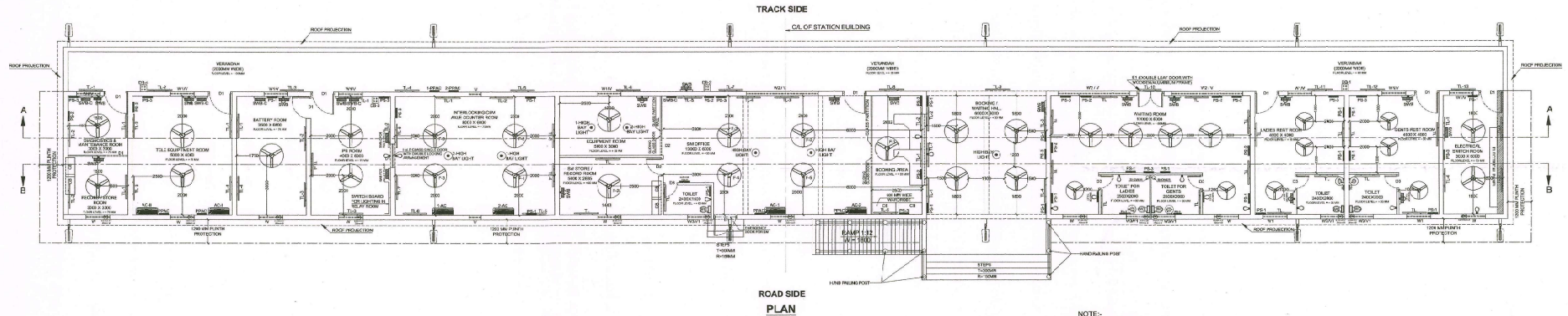
TRACK DIRECTORATE		ELECTRIC DIRECTORATE		SCALE : N.T.S		TELECOM DIRECTORATE		TRAFFIC & PSY-CH TECH DIRECTORATE	
DRAWN BY <i>AK/sgt</i> <i>JATB</i>	CHECKED BY <i>D</i> <i>SSEF-15/Elec.</i>	DESIGNED BY <i>V.K</i> <i>SSEF-15/Signal</i>	CHECKED BY <i>SGT</i> <i>SSEF-15</i>					CHECKED BY <i>SGT</i> <i>AK/TECH</i>	
SCRIBED BY <i>SGT</i>	SCRIBED BY <i>SGT</i> <i>SSEF-15/Elec.</i>	SCRIBED BY <i>SGT</i> <i>AK/Signal</i>	SCRIBED BY <i>SGT</i> <i>AK/TECH</i>					SCRIBED BY <i>SGT</i> <i>AK/TECH</i>	
APPROVED BY <i>D</i>	APPROVED BY <i>SGT</i>	APPROVED BY <i>SGT</i> <i>AK/Signal</i>	APPROVED BY <i>SGT</i> <i>AK/TECH</i>					APPROVED BY <i>SGT</i> <i>AK/TECH</i>	
DIRECTOR/CHIEF/ASSISTANT	DIRECTOR/CHIEF/ASSISTANT	DIRECTOR/CHIEF/ASSISTANT	DIRECTOR/CHIEF/ASSISTANT					DIRECTOR/CHIEF/ASSISTANT	



LAYOUT OF ROADSIDE STATION SERVICE  
BUILDING ELECTRICAL PLAN

(AUTHORITY: RLY. B.DS LETTER NO. 2024/I& TRANS. CELL/SOCC. DATED: 22.03.2024)

ANNEXURE-II



NOTE:-

- SEPARATE CONCEALED WIRING TO BE DONE FOR FEEDING VARIOUS APPLIANCES THROUGH LOCAL SUPPLY (SEE) & FOR AT SUPPLY THROUGH CLS PANELS AS PER EN. MAY BOARD LETTER 22/RE/250/DT. 13/9/2002 OR LATEST.
- WIRES SIZE FOR POINT WIRING:
  - LIGHT & FAN POINT 1.5 SQMM. MULTI STANDARD COPPER WIRE.
  - 5 AMP. PLUG POINT - 2.5 SQMM. MULTI STANDARD COPPER WIRE.
  - 15 AMP POWER PLUG POINT - 4.0 SQMM. MULTI STANDARD COPPER WIRE.
- WIRES SIZE FOR CIRCUIT WIRING:-
  - LIGHT & FAN POINT 2.5 SQMM. MULTI STANDARD COPPER WIRE.
  - 5 AMP. PLUG POINT - 2.5 SQMM. MULTI STANDARD COPPER WIRE.
  - 15 AMP POWER PLUG POINT - 4.0 SQMM. MULTI STANDARD COPPER WIRE.
  - AC POINT - 6.0 SQMM. 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 DISCOM/SEB TO BE PROVIDED IN ELECTRICAL ROOM.
- ILLUMINATION LEVEL AT STATION BUILDING SHOULD BE MAINTAINED AS PER RAILWAY BOARD LETTER NO. 2036/ELECT(G)/17/21/PT. I DATED 29/03/2024 OR LATEST.
- ALL AIR CONDITIONING UNIT SHOULD BE CONNECTED WITH LOCAL SUPPLY AVAILABLE ONLY FROM DISCOM/SEB AND SHOULD NOT BE FED FROM AT SUPPLY AS PER RAILWAY BOARD LETTER NO. 2016/SIS/AIR CONDITIONING DT. 17/12/2015.
- POWER PLUG SWITCH TO OPERATE AC UNIT FOR SIGNALING INSTALLATION SHALL BE PROVIDED OUTSIDE INTERLOCKING C/JM AXLE COUNTER ROOM AND TELECOM EQUIPMENT ROOM AT SUITABLE LOCATION.
- AC UNIT FOR INTERLOCKING C/JM AXLE COUNTER ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE OPERATED ONLY DURING DAY TIME.
- 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 C/JM AXLE COUNTER ROOM, SM OFFICE ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE OUTSIDE THE ROOM I.E., VERANDAH 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 SUNLIGHT/RAIN ETC.
- THIS DRAWING IS BASED ON MAIN DRAWING NO. TFC/420/STANDARD LAYOUT OF STATION BUILDING/Ver. -1.

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 Bello	Ex Fan	Street Light	PP-AC	AC	HBL
Electric Equipment Room	1	2	4	1	1	-	-	-	-	-
Gents Rest Room	1	3	3	2	-	-	-	-	-	-
Gents Rest Room Toilet	1	0	1	1	1	-	-	-	-	-
Ladies Rest Room	1	3	3	2	-	-	-	-	-	-
Ladies Rest Room Toilet	1	0	1	1	1	-	-	-	-	-
Waiting Room	2	6	6	4	-	-	-	-	-	-
Waiting Room Gents Toilet	1	-	1	1	1	-	-	-	-	-
Waiting Room Ladies Toilet	1	-	1	1	1	-	-	-	-	-
Booking / Waiting Hall	1	4	4	1	-	-	-	-	-	-
SM Room	2	1	5	6+1	2	1	-	2	2	2
Toilet SM Room	1	-	1	1	1	-	-	-	-	-
Equipment Room / SM	1	1	1	1	-	-	-	-	-	-
Record Room / SM	1	1	2	1	1	-	-	-	-	-
Interlocking cum Axel Counter Room	-	-	4	8	1	-	-	-	-	-
IPS Room	2	2	2	4	1	1	-	-	-	-
Battery Room	1	1	1	4	1	1	-	-	-	-
Tele Equipment Room	1	1	2	4	1	1	-	2	2	-
Diagnostic & Maintenance Room	1	1	1	2	1	-	-	-	-	-
Record / Store Room	1	-	1	2	1	1	-	-	-	-
Verandah	1	-	-	13	1	-	-	-	-	-
Roof Top Boundary	-	-	-	-	-	-	12	-	-	-
Total	22	22	6	36	72	26	12	12	6	6

PS-1 = 5 Amp Switch 2 Nos. with 5 Amp Socket 2 Nos.  
PS-2 = 5 Amp Switch 4 Nos. with 5 Amp Socket 4 Nos.  
PS-3 = 15 Amp Switch 1 No. with 15 Amp Socket 1 No., 5 Amp Switch 1 No. with 5 Amp Socket 1 No.  
AC = AC with Heatline (SIVA)  
PP-AC = 32 Amp MCB with 32 Amp Industrial Plug & Socket  
HBL = High Bay Light - 35/45 watt  
SWB = Switch Board for Tube Light, Bulb, Fan & Ex Fan.  
SWB-C = Switch Board on CLS Panel for Tube Light and Fan as per Railway Guide Line issued vide letter no. 82/RE/150/1 dt. 13/5/2002 or latest.  
Installation of CLS panel in SM equipment room.

LEGEND:-	
FAN (F) 120mm/90mm.	
TUBE LIGHT 18/24W (TL)	
HIGH BAY LIGHT	
SWITCH BOX (SWB) LOCAL POWER	
SWITCH BOX (SWB-C) CLS POWER	
EX FAN	
LED BULB	
ELECT. GEYSER	
CLS PANEL	
DB-3PH/4-W	
AC WITH STABILIZER	
PPAC	
STREET LIGHT 35/45W	
PS-1 (5AMP SWITCH 2 NOS. WITH 5AMP. SOCKET 2 NOS.)	
PS-2 (5AMP SWITCH 4 NOS. WITH 5AMP. SOCKET 4 NOS.)	
PS-3 (15AMP SWITCH 1 NOS. WITH 15AMP. SOCKET 1 NOS. WITH 5AMP. SOCKET 1 NOS.)	

DOOR WINDOW SCHEDULE				
NO.	WIDTH	CLS. LVL.	REMARK	LEVEL
DOORS:				
D1	1200	40.30	2100	2100
D2	800	40.30	2100	2100
D3	700	40.30	2100	2100
WINDOWS:				
W1	1200	40.30	1225	2100
W2	1200	40.30	1225	2100
W3	900	40.30	1225	2100
W4	1200	40.30	1225	2100
W5	600	40.30	1225	2100
W6	600	40.30	1225	2100
W7	600	40.30	1225	2100
W8	600	40.30	1225	2100
W9	600	40.30	1225	2100
W10	600	40.30	1225	2100
W11	600	40.30	1225	2100
W12	600	40.30	1225	2100
W13	600	40.30	1225	2100
W14	600	40.30	1225	2100
W15	600	40.30	1225	2100
W16	600	40.30	1225	2100
W17	600	40.30	1225	2100
W18	600	40.30	1225	2100
W19	600	40.30	1225	2100
W20	600	40.30	1225	2100
W21	600	40.30	1225	2100
W22	600	40.30	1225	2100
W23	600	40.30	1225	2100
W24	600	40.30	1225	2100
W25	600	40.30	1225	2100
W26	600	40.30	1225	2100
W27	600	40.30	1225	2100
W28	600	40.30	1225	2100
W29	600	40.30	1225	2100
W30	600	40.30	1225	2100
W31	600	40.30	1225	2100
W32	600	40.30	1225	2100
W33	600	40.30	1225	2100
W34	600	40.30	1225	2100
W35	600	40.30	1225	2100
W36	600	40.30	1225	2100
W37	600	40.30	1225	2100
W38	600	40.30	1225	2100
W39	600	40.30	1225	2100
W40	600	40.30	1225	2100
W41	600	40.30	1225	2100
W42	600	40.30	1225	2100
W43	600	40.30	1225	2100
W44	600	40.30	1225	2100
W45	600	40.30	1225	2100
W46	600	40.30	1225	2100
W47	600	40.30	1225	2100
W48	600	40.30	1225	2100
W49	600	40.30	1225	2100
W50	600	40.30	1225	2100
W51	600	40.30	1225	2100
W52	600	40.30	1225	2100
W53	600	40.30	1225	2100
W54	600	40.30	1225	2100
W55	600	40.30	1225	2100
W56	600	40.30	1225	2100
W57	600	40.30	1225	2100
W58	600	40.30	1225	2100
W59	600	40.30	1225	2100
W60	600	40.30	1225	2100
W61	600	40.30	1225	2100
W62	600	40.30	1225	2100
W63	600	40.30	1225	2100
W64	600	40.30	1225	2100
W65	600	40.30	1225	2100
W66	600	40.30	1225	2100
W67	600	40.30	1225	2100
W68	600	40.30	1225	2100
W69	600	40.30	1225	2100
W70	600	40.30	1225	2100
W71	600	40.30	1225	2100
W72	600	40.30	1225	2100
W73	600	40.30	1225	2100
W74	600	40.30	1225	2100
W75	600	40.30	1225	2100
W76	600	40.30	1225	2100
W77	600	40.30	1225	2100
W78	600	40.30	1225	2100
W79	600	40.30	1225	2100
W80	600	40.30	1225	2100
W81	600	40.30	1225	2100
W82	600	40.30	1225	2100
W83	600	40.30	1225	2100
W84	600	40.30	1225	2100
W85	600	40.30	1225	2100
W86	600	40.30	1225	2100
W87	600	40.30	1225	2100
W88	600	40.30	1225	2100
W89	600	40.30	1225	2100
W90	600	40.30	1225	2100
W91	600	40.30	1225	2100
W92	600	40.30	1225	2100
W93	600	40.30	1225	2100
W94	600	40.30	1225	2100
W95	600	40.30	1225	2100
W96	600	40.30	1225	2100
W97	600	40.30	1225	2100
W98	600	40.30	1225	2100
W99	600	40.30	1225	2100
W100	600	40.30	1225	2100

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: 4/4/24 JED	CHECKED BY: 4/4/24 JED	CHECKED BY: 4/4/24 JED	CHECKED BY: 4/4/24 JED	CHECKED BY: 4/4/24 JED
SCRUTINISED BY: 4/4/24 JED	SCRUTINISED BY: 4/4/24 JED	SCRUTINISED BY: 4/4/24 JED	SCRUTINISED BY: 4/4/24 JED	SCRUTINISED BY: 4/4/24 JED
APPROVED BY: 4/4/24 JED	APPROVED BY: 4/4/24 JED	APPROVED BY: 4/4/24 JED	APPROVED BY: 4/4/24 JED	APPROVED BY: 4/4/24 JED
DIRECTOR/TRAFFIC/IRDSO	ED/PS/IRDSO	ED/SIGNAL/IRDSO	ED/TELE/IRDSO	ED/TRAFFIC/IRDSO

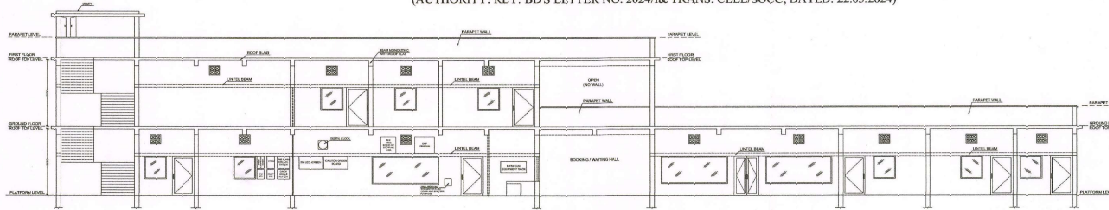


# LAYOUT OF ROAD SIDE STATION SERVICE BUILDING

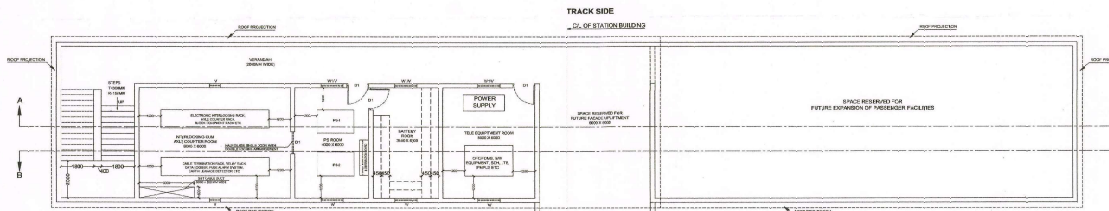
## (G+1) PLAN

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

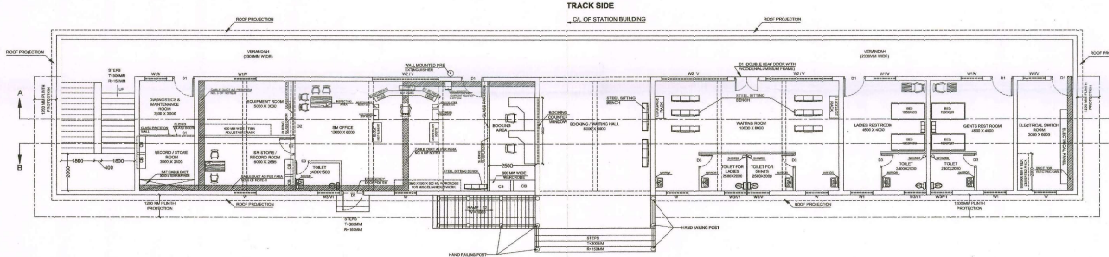
## ANNEXURE-III



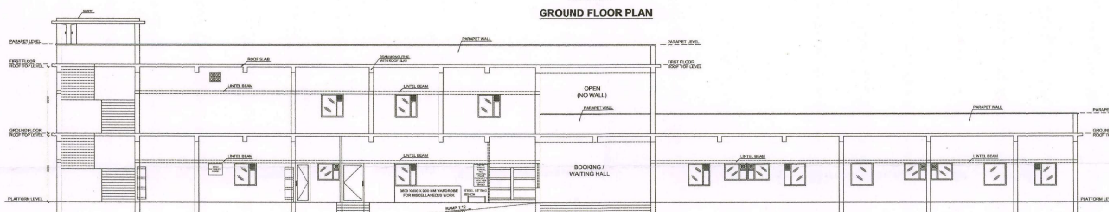
INNER ELEVATION ON A-A



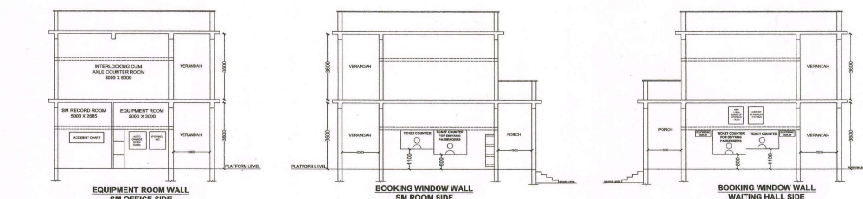
ROAD SIDE FIRST FLOOR PLAN



ROAD SIDE GROUND FLOOR PLAN



INNER ELEVATION ON B-B



EQUIPMENT ROOM WALL  
SM OFFICE SIDE

WAITING HALL WALL  
SM ROOM SIDE

WAITING HALL SIDE

LEGEND:-	DOOR WINDOW SCHEDULE
WINDOW (TYPE)	NO. W 100 400 200 200
WINDOW WITH E-RAIL	NO. W 100 400 200 200
VENTILATOR (V)	NO. V 100 400 200 200
VERTICAL SHUTTER (VS)	NO. VS 100 400 200 200
DOOR (DOOR)	NO. D 100 400 200 200
DOUBLE LEAF DOOR (DL)	NO. DL 100 400 200 200
WATER CLOSET (WC)	NO. WC 100 400 200 200
WASH BASIN (WB)	NO. WB 100 400 200 200

DOOR WINDOW SCHEDULE	RESEARCH DESIGNS & STANDARDS ORGANISATION, LUCKNOW-226011
NO. W 100 400 200 200	DRAWING NO. - TFC420/STANDARD LAYOUT OF STATION BUILDING (G+1) Nbr. 4
NO. W 100 400 200 200	LAYOUT OF ROAD SIDE STATION SERVICE BUILDING (G+1) PLAN
NO. W 100 400 200 200	SCALE: 1:15
NO. W 100 400 200 200	TRAC DIRECTORATE
NO. W 100 400 200 200	ELECTRIC DIRECTORATE
NO. W 100 400 200 200	SIGNAL DIRECTORATE
NO. W 100 400 200 200	TELECOM DIRECTORATE
NO. W 100 400 200 200	TRAFFIC & P&T DIRECTORATE

## RESEARCH DESIGNS & STANDARDS ORGANISATION, LUCKNOW-226011

DRAWING NO. - TFC420/STANDARD LAYOUT OF STATION BUILDING (G+1) Nbr. 4

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

SCALE: 1:15

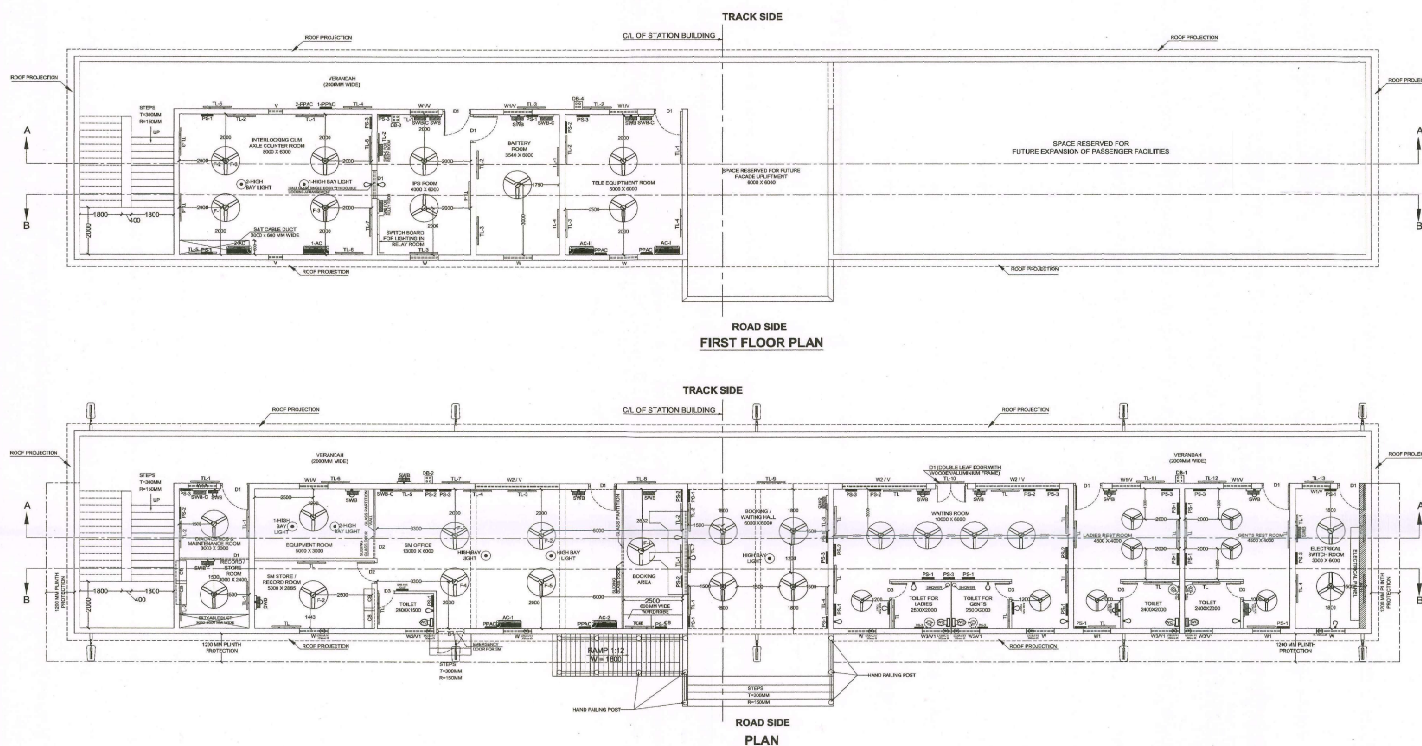
TRAC DIRECTORATE	ELECTRIC DIRECTORATE	SIGNAL DIRECTORATE	TELECOM DIRECTORATE	TRAFFIC & P&T DIRECTORATE
DESIGNED BY: <i>[Signature]</i>	DESIGNED BY: <i>[Signature]</i>	DESIGNED BY: <i>[Signature]</i>	DESIGNED BY: <i>[Signature]</i>	DESIGNED BY: <i>[Signature]</i>
CHECKED BY: <i>[Signature]</i>	CHECKED BY: <i>[Signature]</i>	CHECKED BY: <i>[Signature]</i>	CHECKED BY: <i>[Signature]</i>	CHECKED BY: <i>[Signature]</i>
APPROVED BY: <i>[Signature]</i>	APPROVED BY: <i>[Signature]</i>	APPROVED BY: <i>[Signature]</i>	APPROVED BY: <i>[Signature]</i>	APPROVED BY: <i>[Signature]</i>
DATE: 22.03.2024	DATE: 22.03.2024	DATE: 22.03.2024	DATE: 22.03.2024	DATE: 22.03.2024






















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

(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, (SEB) & FOR AT SUPPLY THROUGH CLS PANELS AS PER RAILWAY BOARD LETTER NO. 2009BCE/ELG/72/147, DATED 02/09/2009, AT LATEST.
2. WIRES TO BE FOR POINT WIRE.
3. LIFT & FAN POINT 2.550MM MULTI STANDARD COPPER WIRE.
4. 6 AMP, 150W PLUG POINT - 4.350MM MULTI STANDARD COPPER WIRE.
5. 15AMP POWER PLUG POINT - 4.350MM MULTI STANDARD COPPER WIRE.
6. POINT FOR CIRCUIT WIRE.
7. LIFT & FAN POINT 2.550MM MULTI STANDARD COPPER WIRE.
8. 6 AMP, 150W PLUG POINT - 2.550MM MULTI STANDARD COPPER WIRE.
9. 15AMP POWER PLUG POINT - 4.350MM MULTI STANDARD COPPER WIRE.
10. 2.550MM MULTI STANDARD COPPER WIRE.
11. SAVE WIRE SIZE TO BE MAINTAINED FOR EARTHING.
12. ELECTRICAL WIRING IN STATION BUILDING TO BE DONE AS PER PROPOSED LAYOUT.
13. 1. OPTIMUM CAPACITY SWITCH GEAR PANEL, ALONG WITH METERING ARRANGEMENT OF DISCOMBINATION TO BE PROVIDED IN ELECTRICAL ROOM.
14. ILLUMINATION LEVEL AT STATION BUILDING SHOULD BE MAINTAINED AS PER RAILWAY BOARD LETTER NO. 2009BCE/ELG/72/147, DATED 02/09/2009, AT LATEST.
15. ALL AIR CONDITIONING UNIT SHOULD BE CONNECTED WITH LOCAL SUPPLY. AVAILABLE ONLY FROM DISCOMBINATION AND SHOULD NOT BE FED FROM AT SUPPLY AS PER RAILWAY BOARD LETTER NO. 2016/SG/AN CONDITIONING DT. 17/12/2016.
16. POWER TO BE PROVIDED TO OPERATE AC UNIT FOR SIGNALING INSTALLATION SHALL BE PROVIDED OUTSIDE INTERLOCKING CUM AXLE COUNTER ROOM AND TELECOM EQUIPMENT ROOM AT SUITABLE LOCATION.
17. AC UNIT FOR INTERLOCKING CUM AXLE COUNTER ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE PROVIDED IN DAY TIME.
18. STANDARD SIGNAGES AT STATIONS ON INDIA RAILWAYS TO BE PROVIDED AS PER RAILWAY BOARD POLICY GUIDELINE ISSUED APRIL 2023.
19. AIR-CONDITIONING (I/C) INTERLOCKING ROOM, SM OFFICE ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE PROVIDED IN DAY TIME 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., WATER EXPOSED TO RAINY WEATHER. THIS SHALL NOT AFFECT THE FUNCTIONING OF SIGNALING & TELECOM SYSTEM. THE LOCATION OF ELECTRICAL FITTINGS SHALL CATER FOR INSTALLATION OF FIRE DETECTION SYSTEM. ATTENGERATION LIGHTING SHALL BE PROVIDED AS PER LATEST QUALITY SPECIES ISSUED BY RAILWAY BOARD. THE ELECTRICAL AND SIGNALING WIRING SHALL NOT BE ON THE SAME CONDUIT.
20. ALL AC OUTDOOR UNITS SHOULD BE PLACED UNDER SUITABLE SIZE OF COVER 'SHED TO PROTECT' THE OUTDOOR UNIT FROM DRIVING SUN, LIGHTNING AND LAZT.
21. THE SIGN IS BASED ON THE DRAWING NO. TC240231/ANWARD LAYOUT/ STATION BUILDING/EN.G/41/70/2.

[illegible]

LEGEND:-	
FAN (F) 120mmx90mm.	
TUBE LIGHT 1820W (TL)	
SWITCH (5AMP)	
HIGH-BAY LIGHT	
SWITCH BOX (SWB)	
LOCAL POWER	
SWITCH BOX (SWB-C)	
CLS FCWER	
EX. FAN	
LED BULB	
ELECT. GEYSER	
CLS PANEL	
DB-3FI-4P-4W	
AC WITH STABILIZER	
PPAC	
STREET LIGHT 3540W	
PS-1 5AMP. SWITCH 2 NOS. WITH 5AMP. SOCKET 2 NOS.	
PS-2 5AMP. SWITCH 4 NOS. WITH 5AMP. SOCKET 4 NOS.	
PS-3 5AMP. SWITCH 4 NOS. WITH 5AMP. SOCKET 1 NOS. & 15 AMP. SWITCH 1 NOS.	

DOOR WINDOW SCHEDULE					
NO.	WIDTH	CLL LVL	HEIGHT	DEPTH	UNIT
DOORS					
D1	1200	±000	2100	2800	
D2	900	±000	2100	2800	
D3	750	±000	2100	2800	
WINDOWS :					
W	1200	+000	1235	2800	
W1	1200	+000	1235	2800	
W2	1200	+035	1500	2800	
W3	1200	+1200	035	2800	
ALUMINIUM :					
Y	800	-2800	060		
Y 1	800	-2800	500		
CABINETS / WARDROBES / NICHS :					
NO.	WIDTH	DEPTH	SILL	HEIGHT	
NO.	NO.	AREA	ACC.		

RESEARCH DESIGNS & STANDARDS ORGANISATION, LUCKNOW-226011

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

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

SCALE: N.T.S.					
TRACK DIRECTORATE		ELECTRAL DIRECTORATE		TELECOM DIRECTORATE	
TRAFFIC & PSYCHO-TECH DIRECTORATE		SIGNAL DIRECTORATE		TRAFFIC & PSYCHO-TECH DIRECTORATE	
DRAWN BY: D. King 20/10		CHECKED BY: D. King 20/10-15/11/04		CHECKED BY: D. King 20/10-15/11/04	
SCRUTINISED BY: D. King		SCRUTINISED BY: D. King 20/10-15/11/04		SCRUTINISED BY: D. King 20/10-15/11/04	
APPROVED BY: D. King		APPROVED BY: D. King 20/10-15/11/04		APPROVED BY: D. King 20/10-15/11/04	