

भारत सरकार GOVRNMENT 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.

No.2024/I&Trans.cell/SOCC

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:

- 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 अनुसंधान अभिकल्प और मानक संगठन लखनऊ - 226 011 ^{*} EPBX (0522) 2451200 Fax (0522) 2458500

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



Date: 18.06.2024

6

No. TFC/420/Standard layout of Station Building

निदेशक / ट्रांसफॉरमेशन रेलवे बोर्ड, नई दिल्ली।

> विषयः स्टेशन सर्विस बिल्डिंग के ले-आउट प्लान के मानकीकरण के संबंध में। संदर्भः 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 (इन्फास्ट्रक्चर) निदेशालय, संकेत एवं दूरसंचार निदेशालय तथा विद्युत आपूर्ति एवं ई.एम.यू, निदेशालय द्वारा रोड साईड स्टेशन सर्बिस बिल्डिंग का एक 'स्टैंडर्ड ले—आउट प्लान' विकिसत 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 अनुकम 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 पुरूष 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 झाइंग नं0 TFC/420/Standard Layout of Station Building/Electrical/Ver-1(संलग्नक—।), ड्राइंग नं0 TFC/420/Standard Layout of Station Building/G+1/Ver-1(संलग्नक—।।), एवं ड्राइंग नं0 TFC/420/Standard Layout of Station Building/G+1/Ver-1(संलग्नक—।।) एवं ड्राइंग नं0 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।

संलग्नकः यथोपरि।

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



भारत सरकार - रेल मंत्रालय अनुसंघान अभिकल्प और मानक संगठन लखनऊ - 226 011 EPBX (0522) 2451200 Fax (0522) 2458500

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



Date: 29.04.2024

No. TFC/420/Standard layout of Station Building

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.

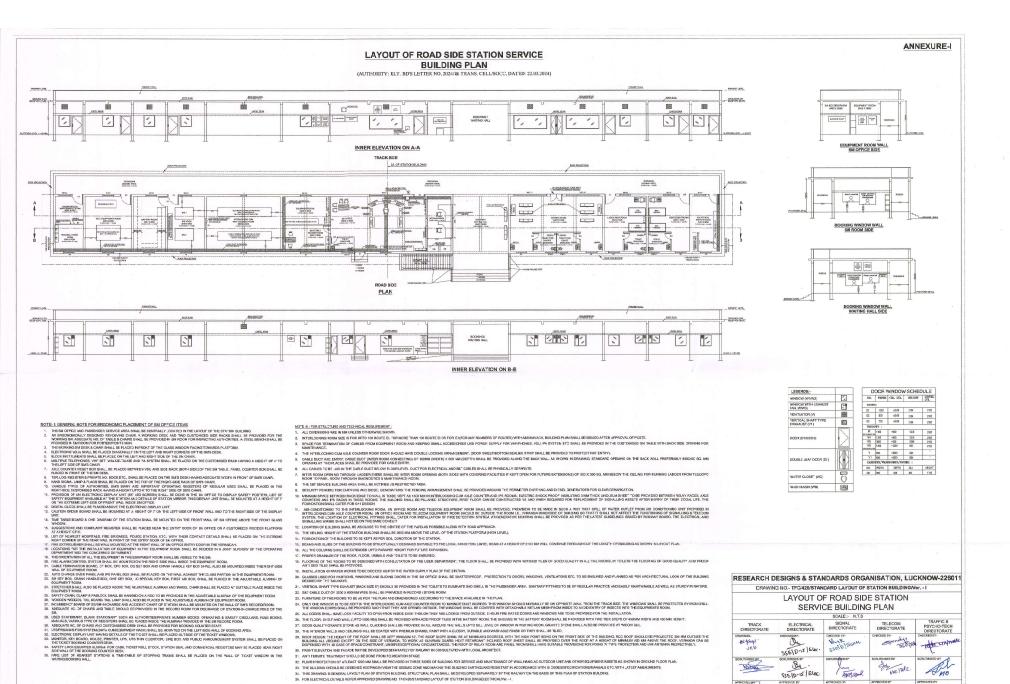
This standard layout of roadside station service building has been developed and being sent for the consideration of the Rly. Bd.

DA: Annexure I & II.

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

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

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



SSEID-IS/Elec.

Buns

RECTOR/TRACK-IURDSO

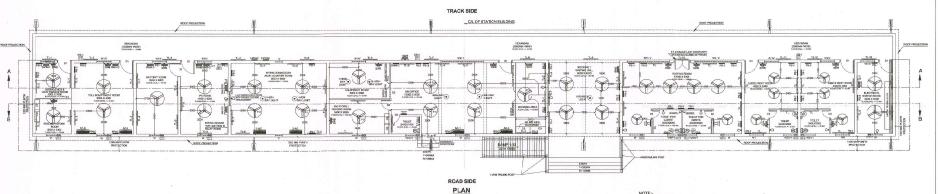
ADPLSON

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ANNEXURE-II

LAYOUT OF ROADSIDE STATION SERVICE **BUILDING ELECTRICAL PLAN**

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



						Bill of	material / scale	of electrical fittings								
					De	etalls of p	oints to be prov	ridec in each type Room								
Type of Room	SV/B	SWB -C	CL Fan	LED TL	LED Bulb	Ex Fan	Street Light	PP-AC	AC	HBL	INCB	PS- 3	PS- 2	P5- 1	Elect	Earthing
Electric Equipment Room	1		2	4	L	1	-			-		1		1		2
Gents Rest Room	1		3	3	2				-	-		1		3		
Gents Rest Room Tollet	1		0	1	1	1	-		1 -	-		1		-	1	
Ladies Rest Room	1		3	3	2	-	-			-		1		3	-	
Ladies Rest Room Toilet	1		0	1	1	1	-	-		-		1		-	1	-
Waiting Room	2		6	6	4				-	-		3	4	2		
Waiting Room Gents Toilet	1			1	1	1	-		-	-		1		-	1	
Waiting Room Ladies Toilet	1			1	1	1	-			-		1		-	1	
Booking / Waiting Hall	1		4	4	1					1		1		4		
SM Room	2	1	5	6+1	2	1	-	2	2	2		2	3	-		
Tollet SM Room	1			1	1	1	-		-	-		-		1		
Equipment Roam / SM	1		1	1	L		-			2		1		-	-	2
Record Room / SM	1		1	2	1	1	-		1 -	-		-	-	-	-	
Interlocking cum Axel Counter Room	-		4	8	1				2	2		1		2	-	

2 IN FRONT OF INTERLOKING

CUN AXLE COUNTER ROOM

PS-L	=	5 Amp Switch 2 No.	with 5 Arr	p Socket 2 No.	
nc a	_	C Same Coulests & St.	date of man	- Castes a Ma	_

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 1 No. with 5 Amp Socket 1 No.
AC * AC with 5 stailizer (SKVA)

13 1

AC = AC with Stabilizer (SKVA)

PAC—52 Any AGW with \$2 Any Industrial Plug & Socket

HBL -Hill Sayl ght - 35/58 vett

908—5witch Board for Tube Light, Bult, Fan & D. Fan.

908—5witch Board for LS Sand fir AT Tube Light and Fan as per Railway Guide Line issued vide letter no. 82/RE/150/1 dt. 13/5/26C2 or intest.

Installation of CLS panel in SM equipment room

LEGEND:-	
FAN (F) 1200mm.900mm.	8
TUBE LIGHT 18/20W (TL)	anthonous
SWITCH (5AMP)	-
HIGH BAY LIGHT	•
SWITCH BOX (SWB) LOCAL POWER	"BESTER"
SWITCH BOX (SWB-C) CLS POWER	'mar'
EX. FAN	⊕
LED BULB	Q
ELECT. GEYSER	(0)
CLS PANEL	
DB-3PH-4P-4W	01
AC WITH STABILIZER	James
PPAC .	-
STREET LIGHT 35/45W	
PS-1 (5AMP, SWITCH 2 NOS. WITH 5AMP, SOCKET 2 NOS.	PS-1
PS-2 (5AMP, SWITCH 4 NOS. WITH 5AMP, SOCKET 4 NOS.	PS-2
PS-3 (5AMP, SWITCH 1 NOS. WITH 5AMP, SOCKET 1 NOS. & 15 AMP, SWITCH 1 NOS. WITH 1AMP, SOCKET 1 NOS.	PS-3

		D	OOR	VINDOV	SCHEE	ULE
mm.	8	NO.	WIDTH	CILL LVL	HEIGHT	LINTEL LVL.
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	€9	W3	1200	+1200	995	2100
	Q	Y	600	+2800	500	
	(V 1	600	+280)	500	
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	4000000					
W						
-	-					

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 82/RE/250/1 DT. 13/9/2002 OR LATEST

THROUGH CLS PANELS AS PER RAILWAY BOARD LETTER EZREZSI.

WIRES SIZE FOR FOINT WIRING:

B. LIGHT & FAN POINT 1.5SQWM. MULTI STANDARD COPPER WIRE.

D. 5 AMP, FLUG POINT-2.5SQMM. MULTI STANDARD COPPER WIRE.

c. 15 AMP POWER PLUG POINT - 4 0SQMM, MULTI STANCARD COPPER WIRE.

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 ILIGHT & FAN POINT 2.5SOMM, MULTI STANDARD COPPER WIRE.
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 I. SAMP POWER PLUG POINT - 4.0SOMM MULTI STANDARD COPPER WIRE.

c. AC POINT: 8.0SQMM. MULTI STANDARD COPPER WIRE.

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SULTIBLE, OPTIMING CAPACITY SWITCH GEAR PANEL ALONG WITH INSTERRING ARRANGEMENT OF DISCOMISEB SUPPLY TO BE
PROVIDED IN ELECTRICAL ROOM.

7. ILLUMINATION LEVEL AT STATION BUILDING SHOULD BE MAINTAINED AS PER RAILWAY BOARD LETTER NO. 2008/ELECT(G):172/1/PT. I

DATED 28/03/2024 OR LATEST

DATE DESIGNATIONS CHILATEST.

A. ALLA RE CORDITIONING UNIT SHOULD BE CONNECTED IN THLOCAL SUPPLY AVAILABLE ONLY FROM DISCOMASSES AND SHOULD NOT EEP PROMINAY AS PER PRAILWAY BONDOLOGISTER NO, SIDNISSIA/AR CONCIDIONING DT. 1772229 :

B. POWER PLOS WAYTICH TO OPERATE ACLIENT FOR SIGNALINA INSTALLATIONS WHALLE BE PROVIDED OUTSIDE INTERLOCKING DUY AVAILED.

COUNTER ROOM AND TELECOM EQUIPMENT ROOM AT SUITABLE LCCATION.

b. AC UNIT FOR INTERLOCKING CUM AXLE COUNTER ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE OPERATED ONLY DURING

DAYTIME.

9. STANDARD SIGNAGES AT STATIONS ON INDIAN RAILWAYS TO BE FROMDED AS PER RAILWAY BOARD POLICY GUIDELINE SSUED.

10. AIR-CONDITIONING TO THE INTERLOCKING ROOM, SM OFFICE ROOM AND TELECOM EQUIPMENT ROOM SHALL BE PROVIDED. PROVISION TO BE MADE IN SUCHA WAY THAT SPILL OF WATER OUTLET FROM A RECONDITIONING UNIT PROVISED IN INTERLOCKING CUM ANAL COUNTER ROWL AN OFFICE ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE CUTSDE THE ROOM IE. VARNADAMBACKISIDE OF BUILDING SC "THAT IT SHALL NOT AFFECT THE FUNCTIONING OF SIGNALING A TELECOM SYSTEM. THE LCCATION OF ELECTRICAL FITTINGS SHALL CATER FOR INSTALLATION OF FIRE DETECTION SYSTEM, AT/GENERATOR LIGHTING SHALL BE PROVIDED AS PER THE LATEST GUIDELINES ISSUED BY RA LWAY BOARD. THE ELECTRICA, AND SIGNALLING WIRING SHALL

NOTE ON THE SAME CONDUIT

ALL AC DUTINOUS INTER-SMILE ON BE PLACED UNDER SUTABLE SZE OF COVER SHED TO PROTECT THE DUTIDOOR UNIT FROM DIRECT SUNLIGHTANN FTC.

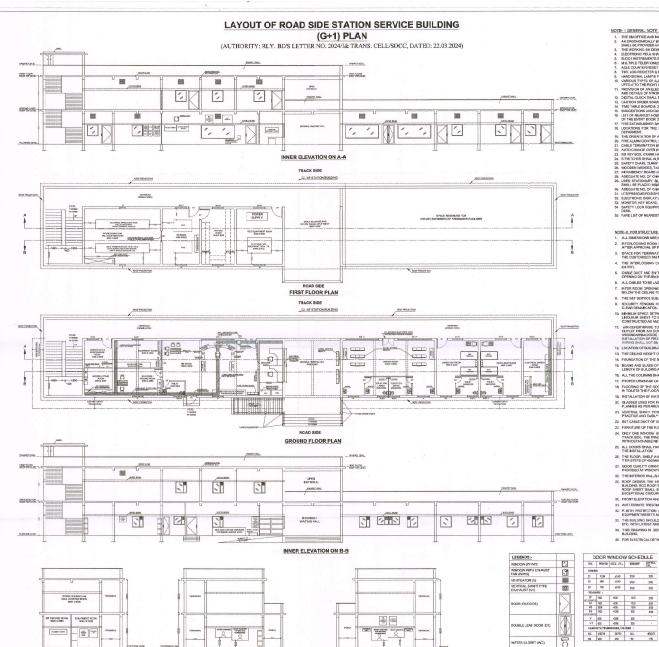
THIS DRAWNER IS SASED ON MAIN DRAWNS NO. TEVELOSTANDARD. ANOUT OF STATION BUILDINGWIs. 1.

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		
ELECTRICAL DIRECTORATE	SIGNAL DIRECTORATE	TELECOM DIRECTORATE	TRAFFIC & PSYCHO-TECH DIRECTORATE
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EQUIPMENT ROOM WALL SM DFFICE SIDE

ECOKING WINDOW WALL SM ROOM SIDE

BOOKING WINDOW WALL

ANNEXURE-III

NOTE: I: GENERAL NOTE FOR ERGONOMIC PLACEMENT OF SM OFFICE ITEMS

- IE. GERREN, NOTE FOR ERGONANC PLACEMENT OF SMOFFICE TIBMS.

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- 15. LOCATIONS FOR THE SITHALTION OF EQUIPMENT NOT THE COULEMENT PLOT BIALL SERGORIE IN A LIDER SERVICE OF THE ORIGINATION CONTINUES.

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- 34. SAFETY JOCK EQUIPPED ALAVIPAH FOR CASH, TICKEF ROLL STOCK, STATION SEAL AND COMMERCIAL REGISTERS MAY BE PLACED NEAR RIGHT SIDE WA DESK.
 35. FARE LIST OF NEAREST STATIONS & TIME-TABLE OF STOPPING TRANS SHALL, BE PLACED ON THE WALL OF TICKET WINDOW IN THE WAITINGSOCKING HALL.

- MODEL IN PRINTED EACH TOWARD, REQUIREMENT.

 1. ALCHRESCONE AND ME THE LASE OTHERWISE BOWN.

 2. INTERCOMEN THAN SHEET WE REPORT TO RECOVER EVEN MORE THAN THE ROUTE ELD FOR EUTOR MY ANNIHERS OF ROUTES WITH ABBIANACH, BLIED
 ATTER, APPROACH OPPORT.
- S. SHACE FOR TERRIANTAN OF CAUGE FROM EDUPHENT ROOM AND HIEFAG BANLA ACCESSORIES UPE POWER SUPELY FOR HIRPHONES, NO.). PA SYSTEM ETG SHALL BE PROVIDED IN THE CRITICAL BANK SHALL BE PROVIDED IN THE CRITICAL BANK SHALL BE PROVIDED IN THE CRITICAL BANK SHALL BANK SHALL BE PROVIDED IN THE CRITICAL BANK SHALL BE PROVIDED TO PROTECTI FAN
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 A. A.L. CHARLES TO BE LIABLE THE CHARLE BLOTE BROWN PROCEINED. HAVE ON BECEFFORCH, AND SET AGRESS SHALL BE INTERCALLY SEPHIANTE.
- . INTER ROOM DPENING THROUGH LADDER THERE SHALL BE INTER ROOM OPENING (BOTH SDES WITH COVERING FACILITIES IF KEPT OPEN FOR FUTURE EXTERSIONS) OF 300 K 300 SQ. MM BELOW THE CELLING FOR RUNNING LADDER FROM TELLINGTOR ROOM.
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- 10. MINIDUS SPACE SETWEEN PROK EDSE TO WALL IS TO BE MEPT AS 1900 MM IN INTERLICATING CUM ANDE COUNTER AND IPS ROOMS. ELECTRIC SHOOK PROOF INSULATING 3 MM THICK LINGLEM SHEET TO BE REPOWDED SETWEEN BELLY TAKES, ALEX COUNTERS AND IPS ROCKS IT HIESE ROOMS. THE BUILDING SHALL BE PALLARED STRUCTURE. FIRST FLOOR CAN BE CONSTITUTIONA ANDWER SERVICE FOR REAL PROOF OF SHEET AND SERVICES AND INTERPRETATION CAN BE CONSTITUTIONAL ACTION FOR THE CONTINUE THE REPORT OF THE
- CONSTRUCTION AND WHERE REQUESTED REPLACEMENT OF SHALLING PRESENT AND THE CORPROP OF THE RECORD LIFE. THE FOREIGN SHALL CLIENT AND ON THE SHALLING PRESENT AND THE CORPROP OF THE RECORD LIFE. THE CORPROP OF THE SHALLING PRESENT AND THE CORPROP OF THE SHALLING PRESENT AND THE CORPROP OF THE SHALLING PRESENT AND THE CORPOR OF THE SHALLING PRESENT AND THE CORPROP OF THE SHALLING PRESENT AND THE SHALLING
- 12. LOCATION OF BUILDING SHALL BE AS CLOSE TO THE CENTRE OF THE YARD AS POSSIBLE ALONG WITH ROAD APPROAC-
- 13. THE CEILING HEIGHT OF THE STATION EUILDING SHALL BE 3600 MM ABOVE THE LEVEL OF THE STATION PLATFORM (HIGH LEVEL). 14. FOUNDATION OF THE BUILDING TO BE KEPT AS PER SOIL CONDITION OF THE STATION
- IS. BEAMS AND SLASS OF THE BUILDING TO BE STRUCTURALLY DESIGNED SUITABLE TO THE LOCAL CONDITION. LINTEL BEAM AT A HEIGHT OF 2 (0) MM WILL. CONTINUE THROUGH OUT THE LENGTH OF BUILDING AS SHOWN IN LANCOUT PLAN.
- 18. ALL THE COLUMNS SHALL BE EXTENDED UPTO PARAPET HEIGHT FOR PUTURE EXPANSION.
- PROPER DRAINAGE OF THE ROOF, FLOOR, URINALS AND TOILETS TO BE ENSURED.
- 18. FLOORING OF THE RCCMS TO BE DESIGNED WITH CONSULTATION OF THE USER DEPARTMENT. THE FLOOR SHALL BE PROVIDED WITH ANTISKED TLES OF GOOD QUALITY IN ALL THE RCCMS. IN TOLETS THE FLOORING OF COOD QUALITY ACID PROCE ANTI-SKED TLES SHALL BE PROVIDED.
- 18. INSTALLATION OF WATER WORKS TO BE DECIDED AS PER THE WATER SUPPLY PLAN OF THE STATION.
- CLASSES USED FOR PARTIONS, WINDOWS AND SLIDING DOORS IN THE SMICFFICE SHALL BE SHATTERPROOF. PROTECTION TO DOORS, WINDOWS, VENTILATORS ETC. TO
 PLANNED AS PER ARCHITECTURAL LOCK OF THE BUILDING DECIDED BY THE BUILDING BY THE B
- 21. VERTICAL SHALT TYPE EXALIST BLACK SIZE BY SHOULD BE PROVIDED IN THE TOLETS TO ELIMINATE BUD SMELL IN "HE PASSINGER AREA. LANTARY FITTINGS TO BE OF REGULAR PRACTICE AND DAILY MAINTAINNEE PRINCE AS STUMPER IN NATURE.
- 22. S&T CABLE DUCT OF 3030 X 640 MM WIDE SHALL BE PROVIDED IN RECORD / STORE ROOM
- 22. FURNITURE OF THE ROOMS TO BE AS PER THE PLAN AND DIMENSIONED ACCORDING TO THE SPACE AVAILABLE IN THE PLAN
- ONLY ONE WINDOW IS TO 3E KEPT IN THE INTERLOCKING CIJIN AXE COUNTER ROOM TO HINNIZE DUST NORRESS. THIS YINDOW SHOULD NORMALLY BE ON OPPOSITE WALL FROM THE TACK SIDE. THE WINDOWS SHALL BE AVERED SHALL BE PROVIDED SUCH THAT THEY ARE OPPOSED CULTIBLE. THE WINDOWS SHALL BE COVERED WITH DETACK SHEAL MEAN HEAD WINDED TO AVIOR DETTY OF RESETS IN TO THE ELD WINDER FOOM.
- 22. ALL DOORS SHALL HAME LOCK FACILITY TO DIEN FROM INSIDE EVEN THOUGH THEE FOLD PRENTS FOOM.

 23. ALL DOORS SHALL HAME LOCK FACILITY TO DIEN FROM INSIDE EVEN THOUGH THEY ARE LOCKED FROM 0.J (SIDE, 2 HOUR FIRE RATED DOORS AND WINDOWS ARE TO BE PROVIDED FOR THE BRITISHED.)
- 26. THE FLOOR, SHELF AND WALL JUPTO 1600 MM) SHALL BE PROVIDED WITH ACID PROOF TILES IN THE BATTERY ROOM, THE SHELVES IN THE BATTERY ROOM SHALL BE PROVIDED WITH TWO
- 22. GOOD QUALTY GRAMPIE STONE AS YOLL CLACOING SHALL BE PROVIDED IN ALL AROLAD THE WALLS UPTO SILL LEVEL OF WINDOW IN WAT NO ROOM, GRANTE STONE SHALL ALSO BE PROVIDED AT MISCOVER.
- 28. THE INTERIOR WALLS AND CEILING SHALL BE COATED WITH PREMIUM ENAMEL PAINT WITH A GLOSSY, DLRASLE AND WASHABLE FINISH OR THEY SHALL BE TILED.
- CONTINUES THE FEAT OF THE ROOF SALE IS SET THERMON FO. THE ROOF SALE IS SALE IS AN ANNUAL 3 JACKERS MITH THE SHE FROM THE ROOF THE FRANT ESTO OF THE ROOF THE FRANT ESTO OF THE ROOF THE FRANT ESTO OF THE FRANT ESTO OF THE ROOF THE FRANT ESTO OF TH

W

- ECCEPTIONAL CIRCLESTRACES, INJURIEDO OF BILLY RECON ME PARE, ROLD BRILL ANS EUTREPHONOUNIS PERFORM YN THE PROTECTION MIST VIR APPRIANA RESPICITALIS.

 1. ANTI TERRETO PROTECTION ECCULUS ELECTROPHONOUNIS PROTECTION PROTECTION (CAS WARDER)

 1. ANTI TERRETO RECURSTO SACCULO ELECTROPHONOUNIS PROTECTION (CAS WARDER)

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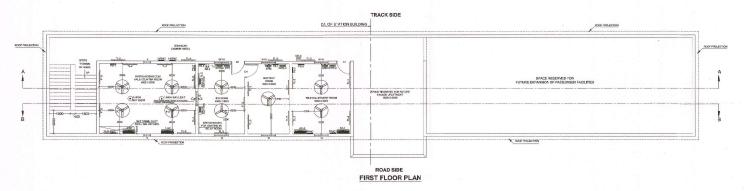
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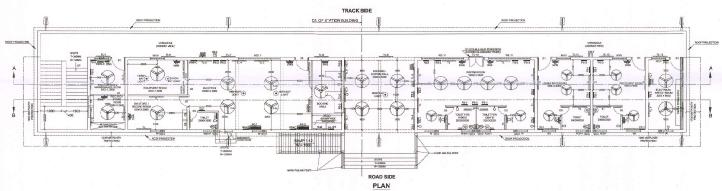
 1. ANTI TERRETO SACCULO ELECTROPHONOUNIS PROTECTION (CAS WARDER)

 1. ANTI TERRETORIA PROTECTION (CAS WAR
- THE BULDING SHOULD BE DESIGNED KEEPING IN VIEW THE SESMIC ZONE AND MAKING THE BULDING EARTHQUAKE RESISTANT IN ACCORDANCE WITH IS CODESSPECIFICATIONS/MANUALS ETC. WITH LATER IMPROMEMENTS.
- 34. THIS DRAWING IS SENERAL LAYOUT PLAN OF STATION BUILDING, STRUCTURAL PLAN SHALL BE DEVELOPED SEPARATELY BY THE RAIL/MY ON THE BASIS OF THIS PLAN OF STATION BUILDING.
- 35. FOR ELECTRICAL DETAILS REFER APPROVED DRAWING NO. TFC/420/STANDARG LAYOUT OF STATION BUILDING (G+1) YELECTRICAL/Ver-II.

DRAWING	NO TFC/420/STANI	DARD LAYOUT OF S	TATION BUILDING	(G+1) /VerI
	LAYOUT OF	ROAD SIDE	STATION	
	SERVICE B	UILDING (G-	+1) PLAN	
		SCALE:- N.T.S		
TRACK DIRECTORATE	E_ECTRICAL DIRECTORATE	SIGNAL DIRECTORATE	TELECOM DIRECTORATE	PSYCHO-TECH DIRECTORATI
# FOID	SSEID-15 / Eler.	SIE/O/SIGHNE SIE/O/SIGHNE	CHECKED BY	CHECKEDS!
SCRUTHISED BY	SSE DIS Elac	ADE/SIMA	SCRUTINSEDBY ANETTALE.	SCRUTINISED BY ATO
DIRECTOR/TRACK-HIRDSO	APPROVED BY	THE AT THE PARTY	EDITE FIRESO	APPROVED BY

LAYOUT OF ROAD SIDE STATION SERVICE





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	ELECTRICAL DIRECTORATE	SIGNAL DIRECTORATE	TELECOM DIRECTORATE	TRAFFIC & PSYCHO-TECH DIRECTORATE
POLD F. Kidx.	SJE D-15 Elec.	CHECKED BY. Virg K SSE 0 Sig HAL	CHECKEC BY	CHECKED BY-
SCRUTINISED BY	SCRUTINSED BY SE D-15 Elec.	SCRUTNISED BY	SCRUTINISED BY ADE Tale	SCRUTINISED BY
APPROVED BY LANGE OF THE CONTRACK-HIPPDSO	APPROVED BY EDRS/RDSO	APPROVED BY	APPROVED BY	AFPROVED BY Visconian ED/TRP/RDSO

LEGEND:-FAN (F) 1200mm/900mm TUEE LIGHT 18/20W (TL) HIGH BAY LIGHT SWITCH BOX (SWB) LOCAL POWER SWITCH BOX (SWE-C) CLS FCWER LED BULB ELECT, GEYSER CLS PANEL AC WTH STABILIZER PS-1 (SAMP, SWITCH 2 NOS. WITH SAMP, SOCKET 2 NOS. 6 7 4 18 9 17 4 PS-2 /5AMP, SWITCH 4 NOS. WITH 5AMP, SOCKET 4 NOS. PS-3 5AMP, SWITCH 1 NOS. WITH 5AMP, SOCKET 1 NOS. & 15 AMP, SWITCH 1 NOS. WITH 1AMP, SOCKET 1 NOS.

22 6 36 72 26 12 12

NO.	WIDTH	CIT INT	HEIGHT	LINTEL
DOORS	3			
D1	1200	±000	2100	2100
02	900	±0.00	2100	2100
D3	750	±0.00	2100	2100
WINDO	WS:			
W AMERICANS FAS	1200	+900	1235	2100
W1	1200	+900	1235	2100
W2	3800	+635	1500	2100
W3	1200	+1200	935	2100
γ	800	+290)	500	
- V.1	800	+290)	500	-
CABIN	ETS/WAR	EROBES/NIC	HES :	
NO.	WIDTH	DEPTH	SILL	HEIGHT
CB	900	450	150	1750

DOOR WINDOW SCHEDULE

8

=

100

(a)

PS-I

PS-2

PS-3

BUILDING (G+1) ELECTRICAL PLAN (AUTHORITY: RLY. BD'S LETTER NO. 2024/I& TRANS. CELL/SOCC, DATED: 22.03.2024)

ANNEXURE-IV

- SEPARATE CONCEALED WIRING TO BE DONE FOR FEEDING VARIOUS APPLIANCES THROUGH LOCAL SUPPLY (SEB) & FOR AT SUPPLY THROUGH CLS PANELS AS PER
- THEOLOGY LOCAL, SUPPLY (SEB) & FOR AT 8 SUPPLY THROUGH CLS FAMELS A RAILWAY BOARD LETTER REPRESON DY. 1389/22 OR LATEST. WIRES SZE FOR POINT VIN R.C.: a. LIGHT & FAN "DAY" T. SSOMM, MULTI S"ANDARD COPPER WIRE. b. 5. AMP. PLUG POINT -2. SSOMM, MULTI S"ANDARD COPPER WIRE. C. 16. AMP. POWER PLUG POINT -2. SSOMM, MULTI STANDARD COPPER WIRE. 3. WIRE SIZE FOR CIRCUIT WIRING:
- a. LIGHT & FAN POINT 2.5SQMM, MULTI STANDARD COPPER WIRE.
- B. LIGHT & PAIN FURTY 2550MM, MULTI STANDARD COPPER WIRE.

 6. SAMP.PURE PLUE POINT 2.550MM, MULTI STANDARD COPPER WIRE.

 6. SAMP POWER PLUE POINT 4.050MM, MULTI STANDARD COPPER WIRE.

 6. AC POINT : 8.050MM, MULTI STANDARD COPPER WIRE.

 SAME WIRE SIZE TO BE MAINTAINED FOR EARTHING.
- 5. ELECTRICAL WIRING IN STATION BUILDING TO BE DONE AS PER PROPOSED
- LAYOUT.

 6. SUITABLE OPTIMUM CAPACITY SWITCH GEAR PANEL ALCNG WITH METERING ARRANGEMENT OF DISCOMISEB SUPPLY TO BE PROVIDED IN ELECTRICAL ROOM.

 7. ILLUVINATION LEVEL AT STATION BUILDING SHOULD BE WANTAINED AS PER RAILWAY BOARD LETTER NO. 2008/ELECT/GV:72:1/PT. I DATED 26/03/2024 OR LATEST.
- LATEST.

 ALL AIR CONDITIONING UNIT SHOULD BE CONNECTED WITH LOCAL SUPPLY
 AVALABLE ONLY FROM DISCOMMISEBS AND SHOULD NOT BE FED FROM AT
 SUPPLY AS PER RAILWAY BOARD LETTER NO. 2015/31G/AIR CONDITIONING DT. 17/12/2015 .
- 8. POWER PLUG SWITCH TO OPERATE AC UNIT FOR SIGNALING INSTALLATION SHALL BE PROVIDED OUTSIDE INTERLOCKING CUM AXLE COUNTER ROOM AND TELECOM EQUIPMENT ROOM ATS SUITABLE LOCATION.
 AC LINT FOR INTERLOCKING CUM AXLE COLUMER ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE OPERATED ONLY DURING DAYTME.
- E. STANDARD SIGNAGES AT STATIONS ON INDIAN RAILWAYS TO BE PROVIDED AS
- E. STANDARD SIGNAGES AT STATICNS ON INDIAN ANJAWAYS TO BE PROVIDED AS PERRABUAND PROAPPOLICY OUIDLINE BISSUED AREIL 2023.
 10. AIR-CONDITIONING "O THE INTERLOCKING ROOM, SM GFFICE ROOM AND TELECOME DEUTWENT ROOM SHALL BE PROVIDED. PROVIDED TO BE MADE IN SUCH A WAY THAT SHILL OF MATER OUTLIET FROM AIR CONDITIONING DUTTIES PROVIDED IN MITTERLOCKING LOW AND ALL COUNTER FROM, SM OPPICE ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE CUTSIBLE THE ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE CUTSIBLE THE ROOM AND TELECOM EQUIPMENT ROOM SHOULD BE CUTSIBLE THE ROOM AND TELECOME SUPPLIES.
 1. VARNOLAMISHOUS OF THAT FORM IN THE SHALL BREVOWED AS PRET THE LATEST GUIDELINES SMALL CATER FOR INSTALLATION OF PRE CETECTION SYSTEM. ALTOREMENTAL SHALL BE PROVIDED AS PRET THE LATEST GUIDELINES ISSUED BY RALAWY BOARD. THE ELECTRICAL AND SCANLING WIRNS SHALL ONTS ED ONTS SHAUL CONTINUE. WIRING SHALL NOT BE ON THE SAME CONDUIT.
- WHERE SPALL HOT BE ON THE SAME COMOUNT

 ALL AC DUTINOOR UNITS SHOULD BE PLACED UNDER SUITABLE SIZE OF COVER

 SHED TO PROTECT THE OUTDOOR UNIT FROM DIRECT SUN LEHTBRAIN ETC.

 2. THIS DRAWING IS BASED ON MAIN DRAWING NO. TEC422/STANDARD LAYOUT OF

 STATIONBUILD NG (G+1) /Wer-A.