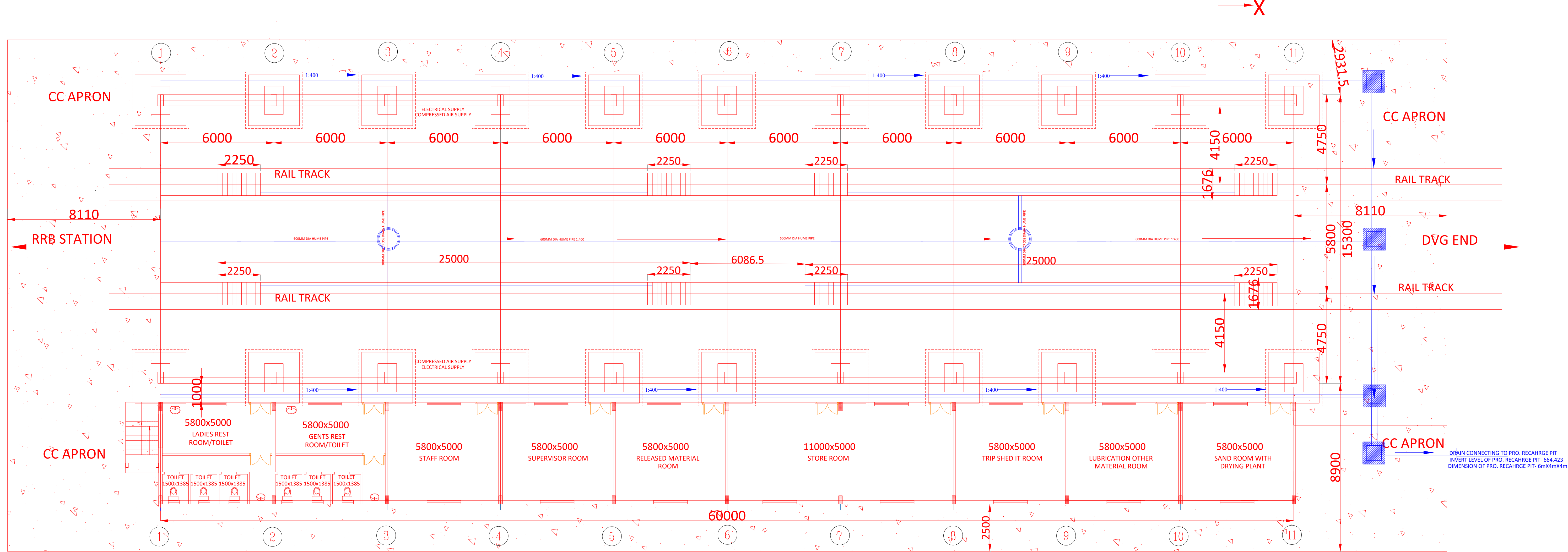
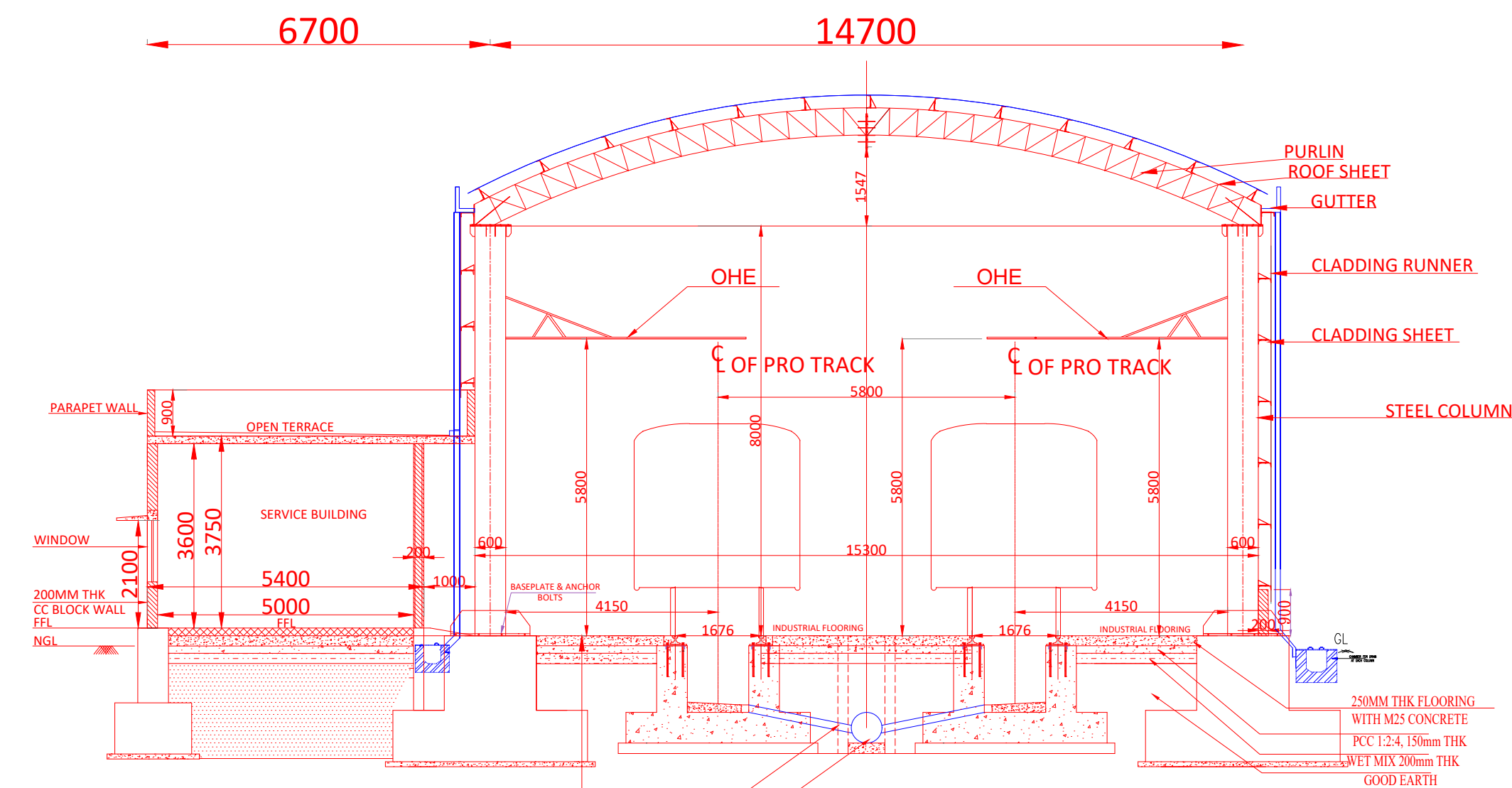


NEW AC LOCO TRIP SHED WITH SERVICE BUILDING



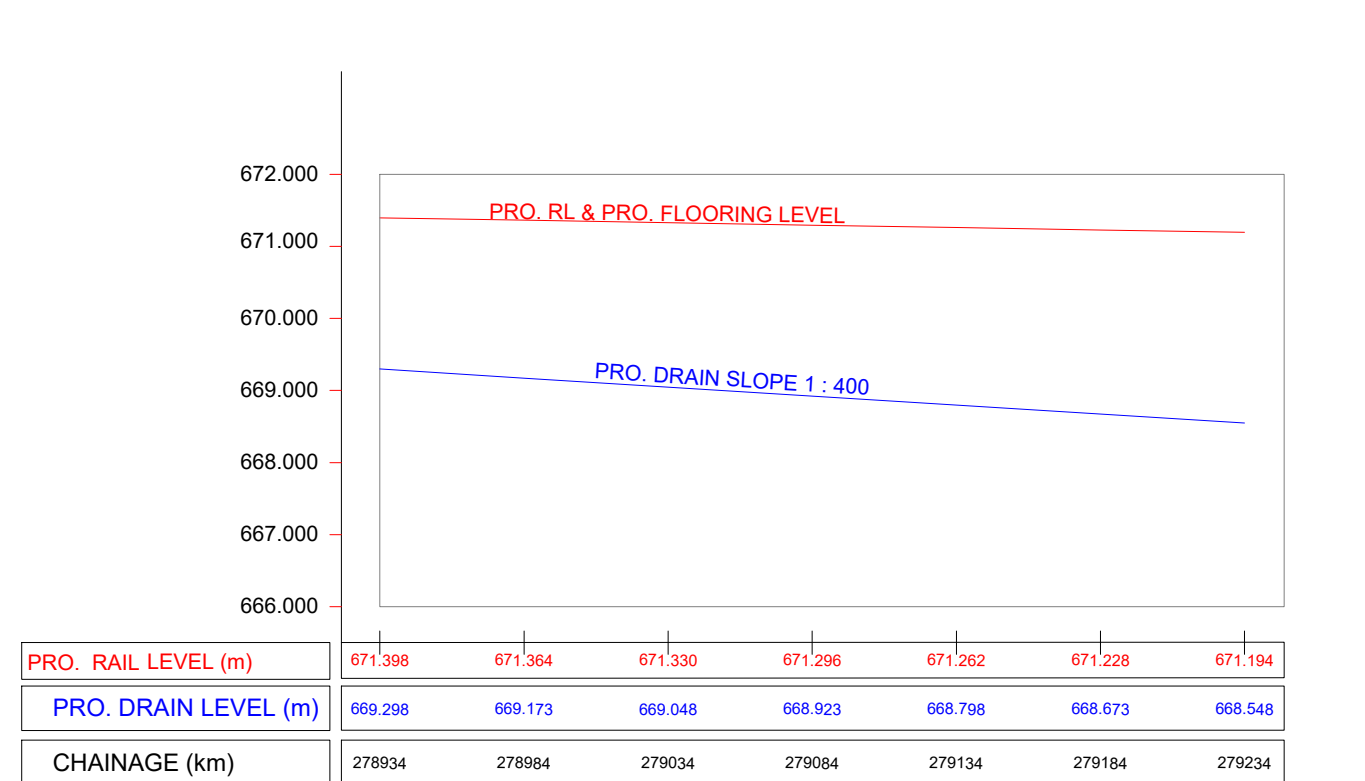
TOP PLAN OF NEW AC LOCO TRIP SHED WITH SERVICE BUILDING



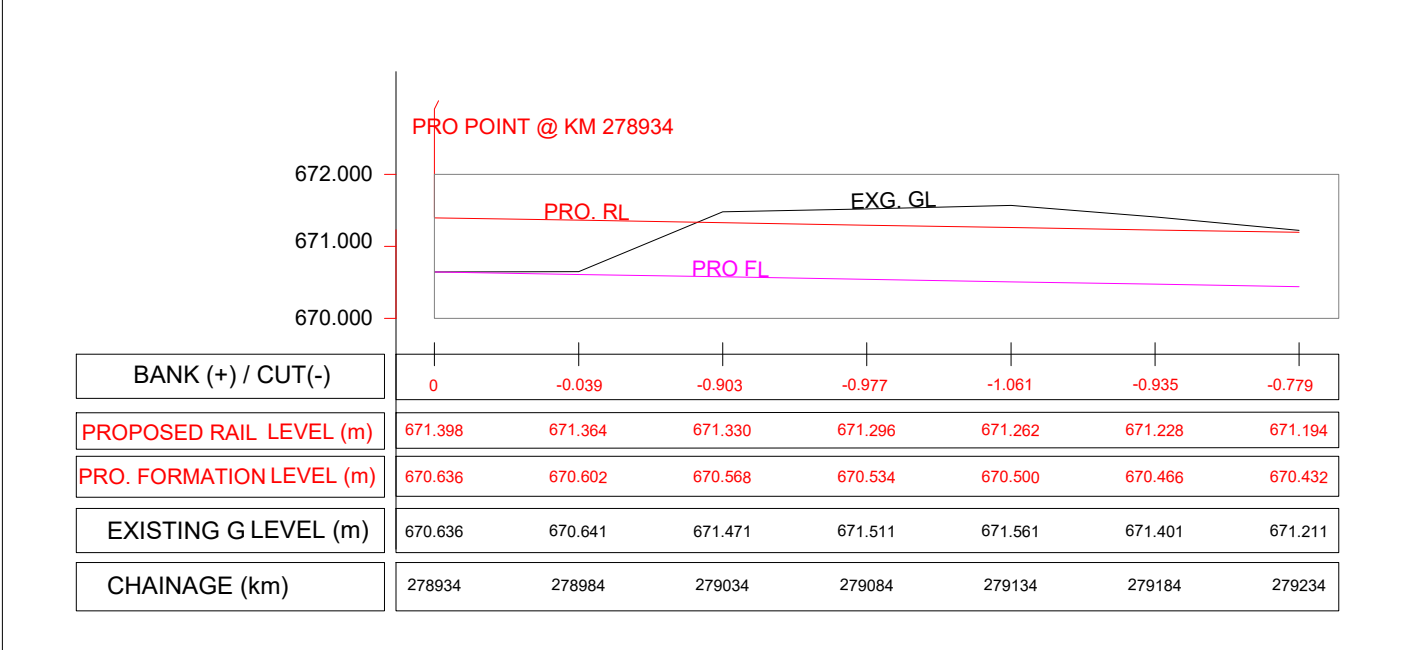
SECTION X-X

(ALL FOUNDATION DETAILS ARE TENTATIVE ONLY)
(FOUNDATION DETAILS AS PER APPROVED STRUCTURAL DRAWINGS)

PRO. L-SECTION FOR DRAIN



PRO. L-SECTION



1. GENERAL NOTES FOR GAD

- 1.1 All dimensions are in mm and levels in meter unless otherwise specified.
- 1.2 All Proposals are shown in RED
- 1.3 This drawing is prepared based on data collected from site by field executive. Feasibility of construction of this structure shall be checked at site in every respect by the engineer -in- charge before taking up of fabrication/erection. Separate structural drawing will be prepared and processed for approval of competent authority for execution purpose after the approval of GAD.
- 1.4 As per clause 3(i) of chapter 3 of IRSOD 2022, minimum clear distance from center of track to any isolated structure such as a pillar in running sheds has been provided.
- 1.5 Before and during execution of work, concerned open line officials should be contacted in connection with re-arrangement of the existing facilities.
- 1.6 Exposure condition is severe.
- 1.7 Type and depth of foundation shown in GAD are indicative only. Actual type and depth will be decided by the Engineer-in-charge as per the actual soil encountered at site during execution.
- 1.8 The size of columns shown in the GAD are tentative, the same have to be decided based on span, type of foundation, material of construction etc while designing.
- 1.9 All dimension and levels are to be physically verified at site prior to construction and any discrepancy noticed should be reported to engineer-in-charge of work.
- 1.10 Trip Shed work is added in JRU ESP DRG.NO:SWR/W.573/ESP/JRU/MP/RRB-JRU/08/May-2026 is processed by MYSURU DIVISION.
- 1.12 Service building shall be designed for G+1 floor.

2. CONCRETE WORK.

- 2.1 Reinforced concrete shall conform to IS:456-2000 M-25 grade to be used for flooring and M-30 for foundation
- 2.2 All reinforcement works shall conform to SP-34 of IS codes.
- 2.3 Maximum size of aggregates shall be less than 20mm conforming to IS:383.
- 2.4 Code of Practice for bending and fixing of bars IS: 2502.
- 2.5 Clear cover to for members shall be as follows as per relevant IS codes.
- 2.6 HYSD/TMT steel shall be Fe500 conforming to IS 1786-2008 shall be used.

3. MASONRY WORK:

- 3.1 All brick work shall be conforming to IS: 1077-1992.

4. STEEL WORK:

- 4.1 Standard of loading is as per IS 875 and additional load for solar panels to be considered.
- 4.2 Structural steel design shall conform to IS 800-2007.
- 4.3 Fabrication shall be carried out as per IRS-B 1-2008(REV) specifications.
- 4.4 All MS bolts and nuts shall conform to IS 1367/2002.
- 4.5 Use of HSG bolts should be as per IS: 4000-1992 grade 8.8.
- 4.6 Hollow structural pipes shall conform to IS 1161 & IS 4923-1997 quality Grade YST-310.
- 4.7 Grade of structural steel shall conform to IS 2062-2011 quality Grade E-250.
- 4.8 Cold form sections shall conform to IS 811-1987.
- 4.9 Weld shall conform to the IS: 814, 816 latest amendments.
- 4.10 Safety code for erection of structural steel work IS: 7205: 1974.
- 4.11 Anti corrosive /painting scheme shall be followed as per CBE/SWR letter no. SWR/W.70/Bridge/Policy dated 23.08.2019.
- 4.12 All steel surfaces coming in contact with soil must be painted with approved protective paint. no other concrete surface shall be painted and in this connection instructions issued vide cao letter no :W.148/Contra/Policy/Vol. IV.dated 04/05/2019 shall be followed strictly.

5. ROOFING WORK:

- 5.1 Roofing shall be as per IS 12093 for sloped & IS 277 (2003) for curved metal roofing sheets.
- 5.2 20% area to be provided with poly-carbonate sheets for natural lighting.

6. WATER SUPPLY WORK:

- 6.1 Water Supply arrangements shall be as per IS: 2065-1983 (2001).

7. DRAINAGE WORK:

- 7.1 Storm water drainage arrangements shall be as per IS:1742-1983 (2022).
- 7.2 All down take pipes shall be provided at every location of columns on both sides discharged to main yard drainage.

8 ELECTRICAL WORK:

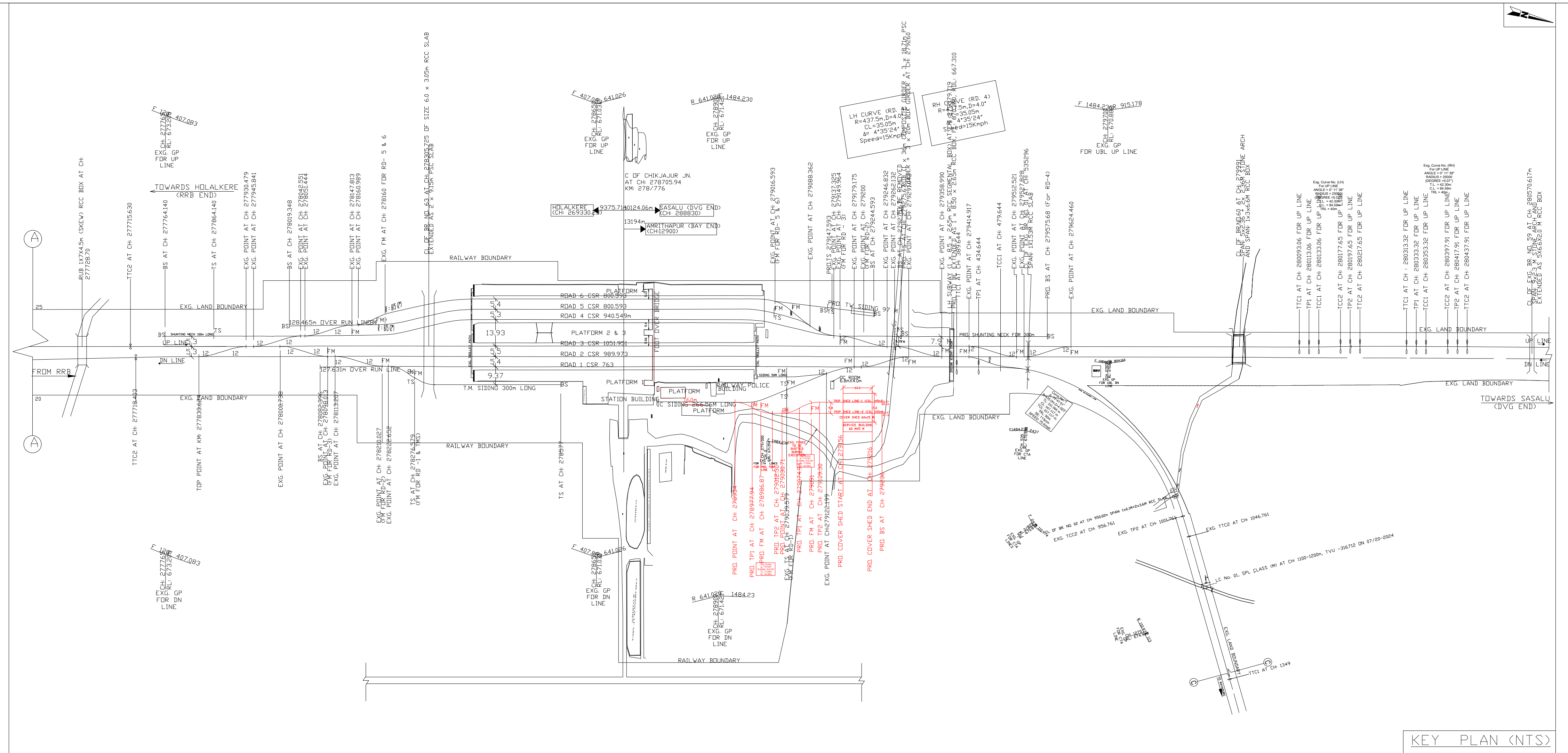
- 8.1 For Electrical Wiring Installations for electrical work in sheds shall be as per IS 732:2019.
- 8.2 Underground cable etc. if any, shall be removed and re-aligned before the execution of work starts. s &t cables shall be protected at site by executing agency. all precautionary steps must be taken according to telecommunication circular no.17/2013 issued by railway board vide letter no.003/tele/cir/i pt. ix, dated : 24.06.2013.

9. CCTV WORK:

- 9.1 Procedure and installing of CCTV arrangements shall be as per IS 13252 (Part 1):2010.

10. SAFETY NOTE:

- 10.1 Adequate safety measure for adjacent track and structures shall be adopted while doing the earth work below the track.
- 10.2 Necessary shoring arrangements to be made to protect existing track and structures wherever necessary.
- 10.3 Joint procedure order on safety related issues pertaining to work site in construction projects (LR.NO.W339/Safety precaution dt: 18.02.2011) vide CTE Lr. No. SWR/W.247/Safety at work spot dated 20.06.2017 is to be strictly followed.
- 10.4 During execution of work the material/equipments such as released material etc. Should not infringe the train all safety measures to be taken by engineer-in-charge during execution.
- 10.5 Suitable safety barricading is required to be provided whenever work is being executed wherever required.
- 10.6 Working area shall be barricaded to ensure safety of other track operations.
- 10.7 Erection/launching of truss/ girders work over pit line shall be carried out under block only.
- 10.8 In electrified section traction territory, earthing to be done and certified by the TRD officials before power block is canceled for works related to yard re-modeling which has to be executed under the supervision of experienced and competent TRD officials.
- 10.9 Truss/girder must be adequately secured immediately after launching.
- 10.10 Work has to be executed under supervision of an experienced and competent Railway engineer.
- 10.11 Adherence of IRSOD dimensions have to be ensured before allowing the traffic after cancellation of line block.
- 10.12 The underground cable etc., if any, shall be removed and realigned before the starting of the work, S&T cables shall be properly protected and all precautionary measures must be taken according to telecommunications Circular No.09/2023 Issued by Railway Board vide letter no.2021/Telc/5(2)3-Part (1) (3425647) Dated: 12.06.2023.
- 10.13 Proper protective arrangements shall be provided for OHE/ HTL/ ETL power line crossing including earthing of shed.
- 10.14 All anchor bolts shall be rigidly fixed at correct position and levels using a template or other means approved by the Engineering- in- charge before casting concrete. The bottom of anchor bolts shall be secured to prevent movement or tilting of anchor bolts during concrete placement. All bolts shall be buried after tightening up the nuts.



SPECIAL NOTES FOR 25KV AC TRACTION SYSTEM:

1. NECESSARY PROTECTIVE ARRANGEMENT SHALL BE MADE BY GATI SHAKTHI UNIT IN CONSULTATION WITH ELECTRICAL TRD-BRANCH TO AVOID ANY ELECTRICAL INDUCTION DURING LAUNCHING OF GANGWAY GIRDER.
2. WHILE LAUNCHING OF GANGWAY GIRDER ABOVE THE OHE & ALSO DURING ANY WORK INVOLVING LESS THAN 2.0M WORKING CLEARANCE FROM OHE,THE WORK SHALL BE CARRIED OUT ONLY DURING POWER BLOCK CONDITION BY OBTAINING PERMISSION TO WORK FROM AUTHORIZED TRD BRANCH OFFICIALS.
3. ALL STEEL STRUCTURES INVOLVING THE ABOVE WORKS SHALL BE SUITABLY EARTHED TO TRACTION RAILS/SEPARATE EARTH PIPE FOR SAFETY OF WORKING STAFF.
4. GIRDER LAUNCHING SHOULD BE DONE WITHOUT DISTURBING THE OHE.
5. OHE TRACTION CONDUCTORS SHALL BE PROFILED TO GET MAXIMUM CONTACT WIRE HEIGHT WITH NORMAL ELECTRICAL CLEARANCES AFTER COMPLETION OF WORK BY OL/TRD.
6. ALL OHE PROFILING WORKS,GIRDER ERECTION,ETC WILL BE DONE UNDER THE SUPERVISION OF SSE/OL/TRD UNDER POWER BLOCK CONDITIONS.

SN	DRAWING REFERENCE DETAILS FOR SERVICE BUILDING	
1	TRIP SHED FOUNDATION DETAILS AND SUPER STRUCTURE DETAILS AS PER DESIGN.	AS PER DESIGN
2	SERVICE BUILDING FOUNDATION DETAILS AND SUPER STRUCTURE DETAILS AS PER DESIGN.	AS PER DESIGN
3	PITLINE DETAILS	AS PER DESIGN

Modus of operandi:

- 1) Clear the site and level the ground at proposed location.
- 2) Mark the site as per drawing.
- 3) Excavate the foundations for shed column, service building and pit lines as per drawing.
- 4) Make the bar bending reinforcement for foundation, service building and pit line as per drawing.
- 5) After bringing the structural steel at site fabricate the structure as per drawing.
- 6) Erect the finished columns as per the given schedule by engineer-in-charge.
- 7) Erect all other members as per the structural drawings.
- 8) Fix & Lay the roof sheet.
- 9) Make industrial flooring as per drawing.
- 10) Finish the electrical work at the pit line and inside the shed.
- 11) Complete the works in all respect.

SN	OPENING SCHEDULE	
1	DOOR (D)	1200 X 2100
2	DOOR - I (D1)	1000 X 2100
3	WINDOWS (W)	2000 X 1200
4	WINDOWS (W1)	1200 X 1200
5	VENTILATORS (V)	600 X 300

GRADE OF CONCRETE (shall be adopted as per Structural Drgs.)		
SN	DESCRIPTION	GRADE
1	FOUNDATION / PLINTH BEAM	M 30
2	PIT LINE / CC FLOOR	M 25
3	LEVELING COURSE	M 20
4	PCC CONCRETE	M 20

Signature block

JE-DRG-I-GSU-MYS	SUNNAPU RAVI Digitally signed by SUNNAPU RAVI Date: 2026.05.15 14:43:58 +05'30'
AXEN-GSU-MYS	VIMAL MANDAWAT Digitally signed by VIMAL MANDAWAT Date: 2026.05.15 15:19:24 +05'30'
DYCPM-GSU-MYS	J SREENIVASULU Digitally signed by J SREENIVASULU Date: 2026.05.15 15:27:55 +05'30'
CPM-GSU-MYS	ANAND BHARTI Digitally signed by ANAND BHARTI Date: 2026.05.15 15:33:46 +05'30'
SrDEN/NORTHMYS	
SrDEN/Co-ord/MYS	
SrDEE/TRDMYS	
SrDSTE/MYS	
SrDOM/MYS	
SrDCM/MYS	
SrDME/MYS	
DRM/MYS	

SOUTH WESTERN RAILWAY

MYSURU DIVISION
GATI SHAKTI UNIT/MYSURU
PROJECT ID:14.03.42.24.1.55.001
JRU - HRR SECTION
NAME OF WORK: CONSTRUCTION OF NEW AC LOCO TRIP SHED AT CHIKJAJUR (JRU).
GENERAL ARRANGEMENT DRAWING (GAD)
DRG. NO. SWR/GSU/MYS/JRU/TRIP SHED/MAY-2026.