



SANCTION OF CRS TO BE TAKEN PRIOR TO EXECUTION OF WORK NOTES:-

1. ALL DIMENSION ARE IN MILLIMETER AND LEVELS ARE IN METERS UNLESS SPECIFIED OTHERWISE.
2. DIMENSION ARE TO BE SCALED ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. ALL THE DIMENSIONS SHOWN SHOULD BE VERIFIED AT SITE BEFORE TAKING UP DESIGN WORK IN HAND. ANY DISCREPANCY NOTED SHOULD BE FORWARDED THROUGH ALTERATIONS DULY SIGNED.
4. MAXIMUM SAFE BEARING CAPACITY AT THE FOUNDATION LEVEL CONSIDERED AS PER GEOTECHNICAL REPORT. IF IT IS LESS THAN THE BASE PRESSURE, THE FOUNDATION HAS TO BE REDESIGNED.
5. DRAINAGE SPOUT SHALL BE PROVIDED AS PER M.O.R.T.H. SPECIFICATION. DESIGN CONSULTANT SHOULD SUBMIT SEPARATE SHEET OF DRAINAGE SPOUTS AS PER LATEST M.O.R.T.H. SPECIFICATION.
6. EXPOSURE CONDITION OF THE BRIDGE AND ITS COMPONENTS SHOULD BE DECLARED AS PER IRC 21-2000/IS:456. ALL SPECIFICATION LAID DOWN IN IRC CODE/IS:456 CODE FOR RELEVANT EXPOSURE CONDITION SHALL BE FOLLOWED.
7. FOR DETAILS OF SUBSTRUCTURE, SUPERSTRUCTURE AND FOUNDATION REFER SEPARATE DRAWING DULY APPROVED BY RAILWAY/DFCCIL.
8. WORK SHOULD BE CARRIED OUT UNDER THE SUPERVISION OF RAILWAY ENGINEERS WITHIN RAILWAY LAND LIMIT.
9. TYPE OF BEARING:- POT-PIFF.
10. SUITABLE UTILITY DUCTS IF REQUIRED SHOULD BE PROVIDED BELOW FOOTPATH SLAB WITH THE APPROVAL OF ENGINEER IN CHARGE.
11. DESIGN SHALL BE AS PER LATEST RELEVANT CODE OF IRC INCLUDING SP-33 AND OTHER CODES AS APPROVED BY M.O.S.T.
12. DFOCIL/PRIVATE AUTHORITIES SHOULD ENSURE THAT DURING EXECUTION OF WORK SAFETY OF RUNNING RAIL TRAFFIC SHOULD NOT BE AFFECTED.
13. SUITABLE SR, F REQUIRED SHOULD BE IMPOSED BEFORE TAKING UP THE EXECUTION OF WORK WITH THE APPROVAL OF ENGINEER IN CHARGE.
14. TEMPORARY SIGNALING ARRANGEMENT WILL BE DONE AS PER G.R.15.09 (1) D&S.R. 15.09 (2) OR GR 15.09 (3) BASED 15.09 (3) WHICHEVER IS APPLICABLE IF REQUIRED.
15. LOADING STANDARD OF ROB AS PER IRC-6:2000.
16. FULL FLEDGED LOAD TEST OF SUPER STRUCTURE SHOULD BE DONE AS PER IRC-SP-5 TO ENSURE QUALITY WORK.
17. CONCRETE DESIGN MIX:
RCC DECK SLAB M40
CRASH BARRIER M40
LEVELING COURSE M15
PIER/PIER CAP/PILE CAP M35
M40
18. MANNED LEVEL CROSSING NO-35 EXIST AT THIS LOCATION.
19. L.C. SHALL BE CLOSED SIMULTANEOUSLY WITH COMMISSIONING OF ROB AND NOC IN THIS REGARD HAS BEEN ISSUED BY STATE GOVT. VIDE LETTER NO.11 A.P.-08-02/14/8842 DATED 25.07.14
20. T.V.U. OF L.C. IS 62521 OF YEAR SEP-2013.
21. PROVISION OF CLAMPS IN THE SUPERSTRUCTURE FOR THE SUPPORTING THE AC TRACTION WIRE TO BE MADE INVARIABLY IN CONSULTATION WITH CONCERNED AUTHORITIES BASED ON TYPICAL DRAWING.
22. ALL R.C.C./M.C.C./P.C.C. WORK SHOULD CONFORM TO RELEVANT IS/IRC CODES & MOST SPECIFICATION.
23. FOR FABRICATION, WORKMANSHIP INSPECTION, TESTING, PROTECTION AGAINST CORROSION ETC. RELEVANT PROVISION OF IRC-24-2001 SHALL BE FOLLOWED.
24. THE DEPTH OF FOUNDATION SHOWN IN THIS DRAWINGS IS TENTATIVE & SHOULD BE DECIDED BY DFOCIL AS PER ACTUAL SOIL PROPERTIES AND DESIGN CALCULATION.
25. REPRESENTATIVE OF TELECOM & SIGNAL DEPARTMENTS SHOULD BE MADE AVAILABLE BEFORE COMMENCEMENT OF PROPOSED WORK, IN THE VICINITY OF SIGNAL & TELECOM CABLE.
26. TEMPORARY ARRANGEMENT DRAWING OR METHODOLOGY OF LAUNCHING OF GIRDERS OVER RAILWAY TRACK SHOULD BE GOT APPROVED FROM RAILWAY AUTHORITY BEFORE START OF THE WORK.
27. PRECAUTIONARY MEASURES FOR CONSTRUCTION OF ROB ON DEPOSIT WORK/COST SHARING WORK WITH STATE GOVT. ASSESSED BY ADVISOR CIVIL ENGINEERING RAILWAY BOARD LETTER NO. 97/CE-1/BR/158(POLICY)/PT-II, DATED 16.07.2009, 27.10.2009, 15.02.2011 & 09.07.2012 SHOULD BE STRICTLY FOLLOWED.
28. NO CONSTRUCTION JOINT SHALL BE NORMALLY ALLOWED IN CONCRETE WORKS WITHOUT SPECIAL PRECAUTIONS AS PER THE RELEVANT BRIDGE CODES AND SUITABLE PROTECTION PAINTING OF APPROVED MAKE SHOULD BE USED TO PAINT THE UNDERSIDE OF CONCRETE ROB GIRDERS ALSO TO ENSURE LONG LIFE.
29. CONTROLLED CONCRETE WITH WEIGH BATCHING SHALL BE USED.
30. GUARD RAIL SHOULD BE PROVIDED IN THE TRACK NEAR THE ISOLATED PILLAR OF ROB. NO CONSTRUCTION JOINT SHALL BE ALLOWED IN PSC OR RCC SLAB OR GIRDER AND CURING OF ALL CONCRETE AND MASONRY WORKS AS PER THE RELEVANT CODES OF PRACTICE SHALL BE ENSURED BEFORE USE.
31. INSPECTION LADDER/STEPS SHOULD BE PROVIDED TO ENSURE PROPER INSPECTION / ACCESSIBILITY OF ROB.
32. STRUCTURAL STEEL SHALL CONFORM TO IS:2062 (GRADE-8).
33. STRIP SEAL TYPE EXPANSION JOINTS SHALL BE PROVIDED AS PER LATEST MOST REQUIREMENT. CONTRACTOR SHOULD FURNISH DESIGN/ DRAWING OF EXPANSION JOINTS FROM FIRMS APPROVED BY MOST AT VARIOUS RELEVANT AMBIENT TEMPERATURE TO SUIT SITE CONDITIONS WITH THE APPROVAL OF ENGINEER IN CHARGE.
34. TO PROTECT THE CONCRETE FROM DAMAGE DUE TO SMOKE OF LOCOMOTIVES, 4.00m WIDE STRIP WITH POLYULPHIDE PAINT PREFERABLE IN BLACK COLOUR SHALL BE PROVIDED IN THE SOFFIT OF THE DECK OVER RUNNING TRACKS.
35. STANDARD MAINTENANCE AGREEMENT SHOULD BE EXECUTED WITH RAILWAY AND STATE GOVT. AUTHORITIES FOR GRANT OF PERMISSION FOR CONSTRUCTION OF ROB IN RAILWAY PORTION.
36. ALL STEEL STRUCTURES SHOULD HAVE ANTI-CORROSION PROTECTION FOR LONG DURABILITY.
37. FOR DETAILS OF SUPER STRUCTURE 60M RAILWAY SPAN OF BOW STRING GIRDER REFER RDSO DRG NO.B-10411/R-1 TO RDSO/B/10411/9 AND 18M RAILWAY SPAN OF BOW STRING GIRDER REFER RDSO DRG NO.RDSO/B-11756/R TO RDSO/B/11756/10R.
38. ANY CHANGE IN THE GAD FOR RAILWAY PORTION SHOULD BE DONE WITH PRIOR APPROVAL OF RAILWAY.
39. CLEAR COVER TO OUTER MOST STEEL SHALL BE AS UNDER
A. FOR SUPER STRUCTURE-50MM.
B. FOR FOUNDATION-75MM.
40. FOR ABUTMENT, DIRT WALL AND RETURN WALL-50MM.
41. FOR JACKING UP THE GIRDER FOR ANY HANDLING REQUIREMENTS IN FUTURE SUCH AS FOR REPLACEMENT OF BEARING OR ANY WORK REQUIRED, SUITABLE FEATURES SHOULD BE PROVIDED TO ENABLE JACKING.
42. THE DIMENSIONS AND LEVELS SHOWN IN THE GAD ARE SUBJECT TO CHANGES AS PER SITE REQUIREMENT AND WILL BE DONE WITH PRIOR APPROVAL OF RAILWAY.
43. THE BRIDGE IS DESIGNED FOR SEISMIC ZONE III.
44. VERTICAL CURVE WILL BE PROVIDED WHEREVER THERE IS CHANGE IN GRADIENT IN APPROACHES AS PER IRC SP-23.
45. CBE'S APPROVAL IN ONLY FOR PORTION REST OVER P8 & P9. DESIGN, LAND ACQUISITION, MAINTENANCE & OTHER CHARGES & OTHER SUITABILITY ASPECT SHOULD BE ENSURED BY DFOCIL.
46. MAINTENANCE AGREEMENT TO BE EXECUTED BEFORE EXECUTION OF WORK.
47. NO WORK WITHIN RLY. BOUNDARY TO BE DONE WITHOUT PRESENCE OF RAILWAY REPRESENTATIVE.
48. GIRDER OVER ROB PROPER TO BE FABRICATED PREFERABLY BY ROB APPROVED FIRMS.
49. VERTICAL CLEARANCE SHALL BE 6000 MM AS PER SDO D.P.
50. VERTICAL CLEARANCE HAS BEEN KEPT AS PER SSOD OF DFC IN LIGHT OF RLY. BD LETTER NO.2017/INRA/16/8 DATED 28-02-2018.
51. DFOCIL WILL BE RESPONSIBLE FOR LONGITUDINAL PROFILE & PLAN SHOWN.
52. STAR CASE SHALL PROVIDED OUTSIDE RLY. BOUNDARY AND CONNECTIVITY TO EITHER SIDE OF STAIRS THROUGH FOOTPATH ALONG THE ROAD DECK.
53. EXECUTION OF WORK SHOULD START AFTER APPROVAL OF DETAILED DESIGN BY COMPETENT AUTHORITY.

LEGEND

- PROPOSED WORK
- EXISTING WORK
- FUTURE WORK

EAST CENTRAL RAILWAY **MGS DIVISION**

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

PROJECT :
PROPOSED ROB IN-LIEU OF LC 35 AT Km. 556/26-28 BETWEEN DEHRI ON SONE - PAHALEJA STATION IN MUGHALSARAI - GAYA SECTION AND ROAD Km. ON VILLAGE ROAD BETWEEN G.T. ROAD TO GANGAULI VILLAGE

TITLE
GENERAL ARRANGEMENT DRAWING OF ROB AT LC NO. 35

DEALT BY: A.K.GUPTA **DATE:** 07.07.2018 **DRG. NO.** PPC/DFCC/ROB/LC35 GAD/01 (Sheet 1 OF 2) **REV.** R0

DRAWN BY: A.S.RAWAT **SCALE:** AS SHOWN

CONSULTANTS :
PARK PROJECTS CONSULTANCY PVT.LTD.
NEW DELHI

DESIGNATION **SIGNATURE** **DESIGNATION** **SIGNATURE** **DESIGNATION** **SIGNATURE** **DESIGNATION** **SIGNATURE**

ATUL KUMAR **RUPES KUMAR** **ALOK KUMAR** **B.K. YADAV** **OM SHANKAR PRASAD**

SR. DESIGNER **SR. DESIGNER** **SR. DESIGNER** **SR. DESIGNER** **SR. DESIGNER**

CE RWD PATNA **EXECUTIVE ENGINEER (RWD-1 WORK DIVISION SASARAM)** **EXECUTIVE ENGINEER (RWD-1 WORK DIVISION SASARAM)** **EXECUTIVE ENGINEER (RWD-1 WORK DIVISION SASARAM)** **EXECUTIVE ENGINEER (RWD-1 WORK DIVISION SASARAM)**

APM/ENG/DFCCIL **APM/ENG/DFCCIL** **APM/ENG/DFCCIL** **APM/ENG/DFCCIL** **APM/ENG/DFCCIL**

STATE GOVT. BIHAR **STATE GOVT. BIHAR** **STATE GOVT. BIHAR** **STATE GOVT. BIHAR** **STATE GOVT. BIHAR**

MGS DIVISION **MGS DIVISION** **MGS DIVISION** **MGS DIVISION** **MGS DIVISION**

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