

DESCRIPTION	PROPOSED BRIDGE
STANDARD OF LOADING	25 T AXLE LOADING
ALIGNMENT	CURVE
GRADE	1 IN 227 R
FORMATION LEVEL	263.213 m
RAIL LEVEL	264.081 m
TYPE & SIZE OF BRIDGE	RCC BOX 1 x 3.00M x3.00M(SYPHON)



BH-197			
DEPTH	TYPE		SPTN
0.00			
1.00	CL		
1.50			13
2.50			
3.00	CL-ML		16
4.00			
4.50			20
5.50			-
6.00	ML		24

CONSTRUCTION DEPTH	
1) RAIL	172 mm
2) RUBBER PAD	6 mm
3) PSC SLEEPER	210 mm
4) BALLAST	350 mm
TOTAL	738 mm

1. ALL DIMENSIONS ARE IN MILLIMETER & ALL LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
2. DESIGN CRITERIA:
 - a. IRS BRIDGE RULES-2014 (INCORPORATING LATEST CORRECTION SLIPS AS ON DATE)
 - b. IRS CONCRETE BRIDGE CODE (INCORPORATING LATEST CORRECTION SLIPS AS ON DATE)
 - c. IRS BRIDGE SUBSTRUCTURE & FOUNDATION CODE, (2nd REVISION-2013)
(INCORPORATING LATEST CORRECTION SLIPS AS ON DATE)
3. RDSO DRAWING NO RDSO/B-10155/1 SHALL BE FOLLOWED FOR RCC BOX.
4. LOADING STANDARD: 25 T. AXLE LOAD.
5. EXPOSURE CONDITION: SEVERE .
6. CONCRETE GRADE: -
 - i)J.R.C.C. M-30 (DESIGN MIX)
 - ii)M.C.C.M-25 (DESIGN MIX)
7. HSD/TMT BARS CONFORMING TO IS-1786-2008 SHALL BE USED AS REINFORCEMENT. GRADE OF REINFORCEMENT IS Fe-500 / Fe-500D.
8. SUITABILITY OF THE FOUNDATION PRESSURE SHALL BE CHECKED AS PER SITE CONDITION.
9. BACK FILL MATERIAL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUBSTRUCTURE & FOUNDATION CODE.
10. ALL RCC SURFACES COMING IN CONTACT WITH SOIL SHOULD BE PAINTED WITH BITUMEN OR COAL-TAR OF APPROVED QUALITY @1.464 KG/SQM.
11. BED SLOPE SHALL BE ADJUSTED AS PER SITE CONDITIONS BY COMPETENT AUTHORITY. IT SHOULD BE KEPT MINIMUM 1 IN 100.
12. TOLERANCE SHALL BE FOLLOWED AS PER IRS CONCRETE BRIDGE CODE.
13. DEPTH & SIZE OF FOUNDATION, LENGTH OF RETURN WALL & LEVEL OF U/S & D/S SHALL BE DECIDED BASED ON-SITE CONDITION AND AS PER IRS SUBSTRUCTURE CODE.
15. NO CONSTRUCTION JOINT SHALL BE NORMALLY ALLOWED IN CONCRETE WORKS WITHOUT SPECIAL PRECAUTIONS FOR PER RELEVANT BRIDGE CODE.
16. PROPER SAFETY MEASURES SHALL BE ADOPTED DURING EXECUTION OF WORK TO SAFE GUARD THE EXISTING BRIDGE AND BANK.
17. JPO DTD-27-06-12 BETWEEN PCE, CSTE, CEE REGARDING SAFETY OF S&T & ELECTRIC CABLES SHOULD BE FOLLOWED
18. PERMEABILITY TEST OF RCC STRUCTURES SHOULD BE CONDUCTED AS PER PARA 5.4.2 OF CBC .
19. CALCULATED SBC VALUE OF SOIL AS PER REPORT IS 9.68 t/m²
20. THIS DRAWING IS BASED ON APPROVED DETAILED PLAN AND SECTION:-
CE / CON / 1 / VSKP / JEYPORE-MALKANGIRI / 8 OF 18.

STANDARD OF LOADING : RAILWAY LOADING (25T-2008)



EAST COAST RAILWAY

(CONSTRUCTION)

WALTAIR

BR.NO-186	PROP.BRIDGE	1 X 3.0 X 3.0 RCC BOX(SYPHON)
	LOCATION	CH:74440.00M


PROPOSED BRIDGE NO-186(CH:74440.00M) BETWEEN
GOVINDAPALI-MATHILI
IN WALTAIR DIVISION OF EAST COAST RAILWAY

M/s SATRA SERVICES AND SOLUTIONS PVT. LTD.

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Hi-Tech City, Madhapur, Hyderabad,
Telangana - 500 081, India.**

M/s ODRA ASSOCIATES PVT. LTD

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SHEET NO :		SHEET SIZE	600 X 600
SCALE : AS SHOWN	REVISION : R 0	ISSUE DATE :	
<input type="checkbox"/> TENDER	<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> INFORMATION	<input checked="" type="checkbox"/> APPROVAL
<input type="checkbox"/> CONSTRUCTION			
			
SAIRANJAN PANDA		KARTIKESWAR MOHANTY	
PROJECT INCHARGE		DRAWN BY	