

**TRACK DETAILS (PRO BRIDGE)**

LOADING	25 TONNE LOAD
STANDARD	2008-STD
ALIGNMENT	CURVE 1.4°
GRADE	FALL 1 IN 325
RAIL LEVEL	891.919 M
FORMATION LEVEL	890.181 M

**TRACK DETAILS (EXG BRIDGE)**

LOADING	25 TONNE LOAD
STANDARD	2008-STD
ALIGNMENT	STRAIGHT
GRADE	FALL 1 IN 325
RAIL LEVEL	891.919 M
FORMATION LEVEL	890.181 M

**EXIS DEPTH OF CONSTRUCTION FOR 1 x 5.0 x 3.15m RCC BOX**

RAIL TO FORMATION	738 mm
EARTH CUSHION	500 mm
THICKNESS	350 mm
CLEAR HEIGHT	3150 mm
TOTAL	4470 mm

**DEPTH OF CONSTRUCTION FOR 1 x 5.0 x 3.15m RCC BOX**

RAIL 60 kg	172 mm
OR PAD	10 mm
PSC SLEEPER	230 mm
BALLAST CUSHION	350 mm
EARTH CUSHION	0 mm
TOP SLAB	600 mm
BOX CLEAR HT.	3150 mm
TOTAL	4512 mm

**GRADE OF CONCRETE**

NO DESCRIPTION OF COMPONENTS	GRADE
1. BRICK WORK	M20
2. WEARING COURSE	M20
3. LEVELLING COURSE (PCC)	M20
4. RETAINING WALL	M20

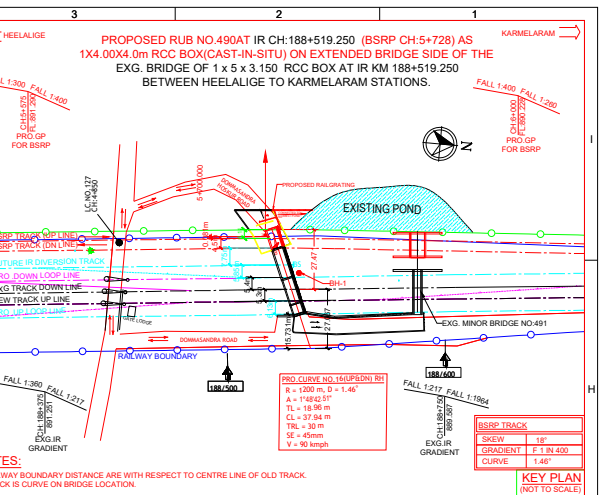
**BASE PRESSURE AT FOUNDATION LEVEL**

STRUCTURE	MAX
RCC BOX (T.M.P)	AS PER DESIGN
RETAINING WALL (T.M.P)	AS PER DESIGN

**LOADING STANDARD**

A) PRO BRIDGE 25-TONNE LOAD 2008 STD
B) EXG BRIDGE M.B.G OF 1987

**BH-1 @ CH : 188+519.250**



**BRIDGE STRENGTH CERTIFICATE**

IT IS CERTIFIED THAT THE PROPOSED BRIDGE (PRO. EXTENSION PORTION) AS PER DESIGN TO BE CONSTRUCTED IS OF SUCH DESIGN, DIMENSIONS AND CONSTRUCTION AS WILL ENABLE IT TO CARRY THE DEAD LOAD OF THE STRUCTURE (INCLUDING P-WAY COMPLETE) AND IN ADDITION TO THE EQUIVALENT OF 25T - 2008 LOADING PRESCRIBED IN THE BRIDGE RULES CHAPTER VI OF THE RULES FOR THE OPENING OF RAILWAYS AT RAIL SECTIONS.

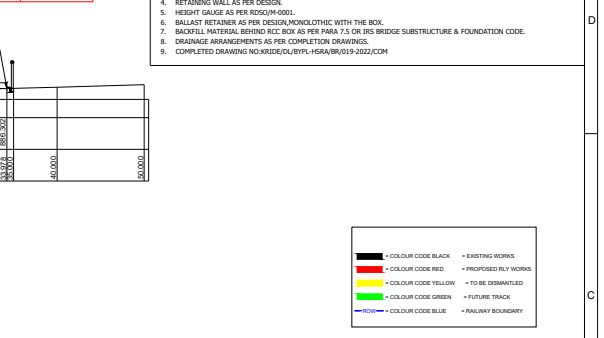
IT IS ALSO CERTIFIED THAT THE HEAVIEST LOADS WHICH THE BRIDGE WILL HAVE TO CARRY WILL NOT BE IN EXCESS OF THE ABOVE STANDARDS OF LOADING AT THE SPAN AND WILL NOT CAUSE ANY STRESS IN ANY MEMBER OF THE STRUCTURE IN EXCESS OF MAXIMUM PERMISSIBLE STRESSES LAID DOWN IN THE INDIAN RAILWAY STANDARD CODE OF PRACTICES.

**CERTIFICATE OF DRAINAGE ARRANGEMENTS :**

IT IS CERTIFIED THAT THE DRAINAGE ARRANGEMENTS FOR PROPOSED CONSTRUCTION OF RUB 490-A AT IR CH-188+519.250, BRSP CH-5728 AT CORNER OF BRSP HAVE BEEN THOROUGHLY CHECKED AND THERE WILL BE NO PROBLEM OF DRAINAGE AT THIS LOCATION IN THE FUTURE.

**BRIDGE DETAILS**

DESCRIPTION	EXISTING IR RUB 490A	PROPOSED BRSP RUB 490A
CHANGE AT CENTER OF BRIDGE (m)	188+519.250	5+728
RAIL LEVEL AT CENTER OF BRIDGE (m)	890.919m	890.900 m
FORMATION LEVEL AT CENTER OF BRIDGE (m)	890.181m	890.138 m
DIMENSIONS (Max x SPAN(m) x HEIGHT(m))	1 x 5.0 x 4.50	1 x 5.0 x 4.50
STRUCTURE CONFIGURATION	RUB	RUB BOX



**GENERAL ARRANGEMENT DRAWING**

**SOUTH WESTERN RAILWAY**

**RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED**

**BENGALURU DIVISION**

**BAIYAPPANAHALLI - HEELALIGE SECTION OF BSPP C-4**

**AUTHORITY OF WORK: AS PER BSPP DFSR**

**PROPOSED RUB NO.490A AT IR CH:188+519.250 (BSPP CH-5728) AS 1 x 4.0 x 4.0m**

**RCC BOX ON EXTENDED BRIDGE SIDE OF THE EXG. BRIDGE OF 1 x 5.0 x 4.50 (CLEAR HEIGHT:3.15) RCC BOX AT IR KM 188+519.250 BETWEEN HEELALIGE TO KARMLARAM STATIONS.**

**K RIDE DRG.NO: KRIDE/BSPP/C-4/BR/00X/2024**

**HQ.DRG.NO: SCALE - 1 : 100**