

TABLE NO. 06 PF R	AILWAY BOARD LETT	TER NO. 2017/CE-IV/	RUB/88 DATED :-22	.04.2020
HEIGHT OF EMBANKMENT	LEVEL OF GROUND WATER TABLE WITH RESPECT TO GROUND LEVEL			
	ANNUAL	ANNUAL	ANNUAL	ANNUAL
	<800MM	>800MM	<800MM	>800MM
TRACK ON EMBANKMENT AND ROAD LEVEL INSIDE THE RCC BOX HIGHER THAN THE GROUND LEVEL	MINOR WORKS AS PER SITE REQUIREMENT TO BE DECIDED BY ENGINEER IN CHARGE	MINOR WORKS AS PER SITE REQUIREMENT TO BE DECIDED BY ENGINEER IN CHARGE	MINOR WORKS AS PER SITE REQUIREMENT TO BE DECIDED BY ENGINEER IN CHARGE	PROPER SIDE DRAIN AND CROSS DRAINS AS PER SITE REQUIREMENT
-	ľ			
	SCHEMATIC ARRANGEMENT SHOWN IN GROUP-I		ENT	SCHEMATIC ARRANGEMENT SHOWN IN GROUP-II
TRACK ON EMBANKMENT AND ROAD LEVEL INSIDE THE RCC BOX HIGHER THAN THE GROUND LEVEL	SUMP + OPEN DRAINS/CLOSED DRAINS OR COMBINATION OF BOTH	COVER OVER THE APPROACHES +SUMP + OPEN DRAINS/CLOSED DRAINS OR COMBINATION OF BOTH(PUMPING ARRANGEMENT AS STANDY)	LINING OF THE SUBWAY+COVER OVER THE APPROACHES +SUMP+PUMPING ARRANGEMENT +SURFACE DRAINAGE AND SUITABLE CROSS DRAINAGE WHEREVER REQUIRED.	LINING OF THE SUBWAY+COVER OVER THE APPROACHES +SUMP+PUMPING ARRANGEMENT +SURFACE DRAINAGE AND SUITABLE CROSS DRAINAGE WHEREVER REQUIRED.
	SCHEMATIC ARRANGEMENT SHOWN IN GROUP-III		SCHEMATIC ARRANGEMENT SHOWN IN GROUP-IV	



## SITE KEY PLAN (NOT T



## PCE NO . e-30251-DRM/1-







ALL TEMPORARY ARRANGEMENT FILL UP EARTH IN REMAINING PORTION MAKE UP BANK, SPREAD BALLAST AND LAY TRACK AND RESTORE TRAFFIC AT 20KMPH. PHASE IV UNDER LINE AND POWER BLOCK ON UP LINE(SR 20KMPH

PHASE III UNDER LINE AND POWER BLOCK ON DN LINE(SR @DEAD STOP & 10 KMPH ON UP LINE) OPERATION 6 (DN LINE) REMOVE TRACK WITH SLEEPERS, REMOVE

OPERATION 5 PUSH THE LEADING BOX UNIT /SEGMENT NO.1 ACROSS THE TRACK. PUSH REMAINING BOX UNITS /SEGMENTS IN THE SAME MANNER UP TO REQUIRED LENGTH

OPERATION 4 (UP LINE) REPEAT OPERATION 3 FOR UP LINE WITHOUT LINE AND POWER BLOCK (SR 20 TO 40 KMPH ON UP AND DN LINE)

LENGTH R/GIRDER RESTING ITS EITHER ENDS ON SLEEPER CRIB D AND AGENCY. THIS SHALL INCLUDE CARRYING OUT RESIDUAL APPROACH D1 AND LAY TRACK AND RESTORE TRAFFIC @ DEAD STOP & 10 KMPH CONNECTION WORK AT BOTH ENDS. IN STAGES AS PER. PHASE II UNDER LINE AND POWER BLOCK ON UP LINE(SR @ DEAD STOP & 10 KMPH ON DN LINE)

ERECT SLEEPER CRIBS D AND D1. EXCAVATE EARTH TO COMMISSIONING OF RUB FOR TRAFFIC SHALL BE DONE BY THE ACCOMMODATE R/GIRDER. INSERT 26500 MM C/C OF BEARING AGENCY WHICH IS EXECUTING THE WORK SUBSEQUENT TO PREVIOUS

OPERATION 2 TRANSPORT TEMPORARY R/GIRDER 26800 O/A LENGTH AT SITE SUITABLY. PHASE I UNDERLINE AND POWER BLOCK(SR.20KMPH ON UP LINE) OPERATION 3 REMOVE TRACK WITH SLEEPERS, EXCAVATE EARTH AND

PHASE WORK OPERATION 1 WITHOUT LINE BLOCK EXCAVATE EARTH UPTO REQUIRED DEPTH FOR THRUST BED AND AUXILIARY BED AS PER APPROVED DRG. AND CURE IT SUITABLY.CAST RCC BOX UNITS AS PER RDSO DRG. AND CURE IT SUITABLY.

PUSHING SHALL BE DONE USING RELIEVING GIRDER AND REMOVING SOIL FROM TOP OF BOX AND PARTIALLY FROM SIDE OF BOX BEFORE STARTING OF PUSHING WORK.

4.RELIEVING GIRDER TO BE USED SHALL BE FIT FOR 32.5Y-2008 LOADING WITH PERMISSIBLE SPEED OF 40KMPH. IF RELIEVING GIRDER FIT FOR 50KMPH IS NOT AVAILABLE THE WORK SHOULD BE DONE USING OTHER RELIEVING WITH SR OF 20KMPH AND PHASE WORK WILL BE STAND MODIFIED ACCORDINGLY. 5. PROPER SHORING TO BE DESIGNED FOR PROTECTION OF EMBANKMENT AS SHOWN IN DRAWING OR PARTIAL AIR PUSHING TO BE ADOPTED. PARTIAL AIR PUSHING IS THE PUSHING IN WHICH

2. EVEN AFTER STABILIZATION OF THE ALIGNMENT AND CROSS LEVELS S&T NOTE: -SHALL CHECKED ATLEAST ONCE DAILY. 3.MAXIMUM BASE PRESSURE ON SOIL 20T/SQ-M.

EXCESSIVE MISALIGNMENT OR EXCESSIVE DIFFERENCE OF CROSS LEVELS HE CAN REDUCE THE SPEED TO 20KMPH.

AFTER PASSAGE OF EVERY TRAIN. INITIALLY AND SHALL TAKE NECESSARY CORRECTIVE MEASURE AS REQUIRED. AFTER STABILIZATION OF THE ALIGNMENT AND LEVELS SHALL BE RAISED FROM INITIAL SPEED OF 20 TO 30, 40 KMPH AND 40 KMPH IN STAGE AT EACH STAGE HE WILL MONITOR ALIGNMENT, LEVELS OF GIRDER BESIDE THE TRACK PARAMETERS. IN CASE OF ANY

OF SPEED AT 20 TO 30, AND GRADUALLY INCREASE 40KMPH, SSE(P,WAY) INCHARGE SHALL CHECK THE ALIGNMENT AND LEVEL

IMPORTANT NOTES:-(APPLICABLE FOR THE R/GIRDER IS PROVIDED FOR 40 KMPH) 1. MAXIMUM PERMISSIBLE SPEED OF 50 KMPH MAY BE ALLOWED ONLY AFTER CHECKING THE STABILITY OF ARRANGEMENT IN STAGES

PHASE IV UNDER LINE AND POWER BLOCK ON UP LINE(SR 20KMPH ON DN LINE) OPERATION 7 (UP LINE) REPEAT OPERATION 6 ON UP LINE RELAX THE SPEED GRADUALLY TO NORMAL AFTER THE BANK HAS BEEN CONSOLIDATED SUFFICIENTLY.	32 M 33. I 34. I 34. I 35. I 35. I 2 35. I 36. I	TRACK PARAMETER TO BE OBSERVED IN FIF MEASURE TO BE ADOPTED TO PREVENT SET PRIOP COMMENCING OF THE WORK SRDEN WATER / DRAIN WATER SUBWAY WILL BE D ANY OYHER SUITABLE LOCATION BY PUMP PRIOR COMMENCING THE WORK SRDEN/SI SHOWN IN SECTION B-B CAN BE EXECUTED AND SOIL STRATA IS OF HARD ROCK/BALLAS PRIOR COMMENCING THE WORK SRDEN/D ENSURE THAT DIMENSIONS SHOWN IN DRA DISCREPANCY FOUND, IT MUST BE BROUGH PRIOR COMMENCING THE WORK SRDEN/D	RST MANSOON SEASON AND SUITABLE ITLEMENT. I/SITE ENGG TO ENSURE THAT THE RAIN DRAIN OUT TOWARDS LOW LYING AREA OR ANY OTHER SUITABLE METHOD. ITE ENGG TO ENSURE THAT PHASE WORK ESPECIALLY SUITABLE SLOPE IS FEASIBLE ST. EN/ SITE ENGG/ENGINEER IN CHARGE TO WING ARE AVAILABLE AT SITE, IF ANY IT TO THE NO. EN/SITE ENGINEER/ENGINEER-IN-CHARGE
HE 102-26 HE 102-165 HE 102-		MUST CHECK THE BORE LOG DETAILS AND S SITE. PRIOR COMMENCING THE WORK SRDEN/D PLANNING AND DESIGNING OF DRAINAGE A DRAIN WATER/RAIN WATER IN SUBWAY WI AREA.BRIDGE SOAK PIT, RECHARGE WELL,SI WITH THE PUMP OR ANY OTHER SUITABLE SHOULD BE NO WATER LOGGING IN THE SU PRIOR COMMENCING THE WORK SRDEN/D ENSURE THAT THE ROOF COVERING FOR AP TABLE NO.06 OF RAILWAY BOARD LETTER N 22.04.2020.	SHOULD MATCH THE SOIL PRESENT AT THE EN WILL BE FULLY RESPONSIBLE FOR ARRANGEMENT AND ENSURING THAT ILL BE DRAIN OUT TOWARDS LOWLYING UMP OR ANY OTHER SUITABLE LOCATION METHOD AND ENSURE THAT THERE JBWAY. EN/ SITE ENGG/ENGINEER IN CHARGE TO PROACHES SHOULD BE MADE AS PER IO. 2017/CE-IV/RUB/88 DATED:-
HRACOX SUMP WITH PAGE SUMP WITH PAGE STIR SUMP WITH PAGE STIR STIR STIR SUMP WITH PAGE STIR STIR STIR STIR STIR STIR STIR STIR	SURAT	1) Ref. Drg No.:-	,
NI 114.00		VVESTER	
		BC PROPOSAL FOR CONSTR 52. (IR CHAIN (Scale)	DISAR RUCTION OF NEW RUB AT LC NAGE- 102/19-21) :- As Shown)
SHE KEY PLAN (NOT TO SCALE)	0.44		
	GM/Co-Ord/MUM/N	KUMAR DRM-MMCT	CBE-CCG
+	GM/CIVIL/N/MUM	AVNEESH VERMA Date: 2022.08.18 12:22:34 +05'30' ADRM(I)MMCT	DYCE-DESIGN-CCG
SERVICE ROAD BOUNDARY COMPOUND WALL LAND ACQUISITION	Dy. CPM/SaT/N/MUM 9 joil	PIYUSH BALIRAM KHANDARE Sr.DOM-MMCT	AXEN-DESIGN-CCG
EXISTING ROAD	MISETIVALSAD	SUNIL RAMSAJEEVAN MISHRA Sr.DCM-MMCT	APEN/ PRD
	Dy.CPM/ELECT/N/MUM	BALRAM RAMPHAL VERMA RAMPHAL VERMA Date: 2022.07.27 13:10:49 +05'30 Sr.DSTE(N)MMCT	
$O_{e_30251}DRM/1D$		CHANDRA MOHAN SINGH Sr.DEE(P)MMCT	293 11 21
$\bigcirc \cdot \bigcirc - \bigcirc $	APM-III/ENGG/MUM/N	YOGESH KR Digitally signed by YOGESH KR SHARMA SHARMA Date: 2022.07.30 15:36:47 +05'30' Sr.DEN(CO)MMCT	SSE (W)/DRD
VILAS SOPAN VILAS SOPAN WADE WADEKAR ED/CIVIL/MRVC	CAR	R ARUN KUMAR Bate: 2022.07.29 10:14:11 +05'30' Sr. DEN(N)MMCT	SSEP-WAY/PLG
PRAKASH Digitally signed by PRAKASH SHYAM JOSH SHYAM JOSHI Date: 2022.08.25 16:02:57 +05'30' DYCPM/CIVIL/II/MRVC	DFC DRG No. :- CGM/N/MUM/RUB/52/2022/014		

- OF LAND AT SITE. SUFFICIENT LENGTH. (3) CONSTRUCTION OF APPROACHES: -AS THE NEW ROB IS TO BE CONSTRUCTED BY TWO DIFFERENT
- (1) THE APPROACH INDICATED ON THE DFC END OF RUB ARE (2) DUE TO NON-AVAILABILITY OF LAND IN APPROACHES/ ROAD
- ESTIMATE. DFCCIL NOTE: -
- (5) MANUAL DIGGING SHOULD BE DONE FOR OPEN EXCAVATION. (6) PROVISION OF S&T SUB-ESTIMATE TO BE MADE IN MAIN
- 05.05.07, If ANY S&T AND OFC CABLE IS DAMAGED, A FLAT PENALTY OF RS. ONE LAKH WILL BE IMPOSED ON CONTRACTOR. (4) CABLE TO BE PROTECTED BY EXECUTIVE DEPARTMENT DURING
- RAILWAY SHOULD BE FOLLOWED EXECUTION OF WORK BY PROVIDING SUITABLE MEANS.
- EXECUTION OF WORK.
- CONTROLLER/BL TO BE INFORMED WELL IN ADVANCE BEFORE (2) NECESSARY PRECAUTIONS SPECIFIED IN GUIDELINES ISSUED BY (3) AS PER RLY. BOARD LETTER NO 2003/TELE/RCL/1pt.x dated
- (1) S&T STAFF i.e. DSTE/BL, SSE(SIG)B, SSE(TELE) BL AND SIGNAL
- CRIB IS ATTENDED AS AND WHEN REQUIRED TO MAINTAINED LEVEL OF R.G.
- FOR 20 KMPH S.R. 3. STABLE SLEEPER CRIB SUPPORT IS PROVIDED PACKING IN SLEEPER
- HOOK BOLTS AND FULL TRACK FITTINGS. 2. TRACK GEOMETRY IS RECORDED EVERYDAY AND IS MAINTAINED

- PROVIDED WITH THE FOLLOWING CONDITION-1. BRIDGE TIMBER SLEEPER ARE PROVIDED OVER GIRDER WITH

SPEED RESTRICTION FOR FIRST TRAIN TO BE KEPT AS STOP DEAD END

AND 10 KMPH AND THERAFTER SUBSEQUENT TRINS MAY BE

REMARKS:

PERMITTED WITH 20 KMPH

NOTES FOR ROAD AUTHORITY: -

DT.18/04/2012

RAII WAY

ACCORDINGLY.

RAILWAY POLICY.

EXTEND RAILWAY POLICY.

- TENTATIVE AND SUBJECT TO MODIFICATION AP PER AVAILABILITY WIDTH RETAINING WALL AS NECESSARY SHALL BE PROVIDED FOR

(AS PER RAILWAY BOARD LETTER NO.2006/CE/-IV/MISC-2 (RUBS)

RESPONSIBILITY FOR THE MAINTENANCE OF ROAD PASSING

THROUGH SUBWAY, LIGHTING, DRAINAGE SYSTEM, DIVERSION

ROAD AND ANY OTHER ALLIED WORKS WILL BE AS PER EXTEND

(II) FUTURE MAINTENANCE OF SUBWAY PROPER SHALL BE DONE BY

(III) LAND ACQUISITION OUTSIDE THE RAILWAY AREA WII BE AS PER

(IV) SECTIONAL SRDEN WILL ENSURE THAT ABOVE ASPECT ARE DEALT

(V) BOISAR AREA IS FLOODING ZONE, PUMPING ARRANGEMENT IF

REQUIRED WILL BE WORNED BY LOCAL AUTHORITY.

- AGENCIES i.e. DFC & WESTERN RAILWAY, TO AVOID DISCONNECTION
- 18.REDUCED LEVEL OF AVERAGE MAXIMUM WATER TABLE DURNIG MANSOON IS

- 93 55
- 19.SR.DEN/DEN TO ENSURE THAT THE APPROVAL AND SIGNATURE OF CONCERN ROAD AUTHORITY SHOULD BE OBTAINED ON GAD BEFORE COMMENCING OF THE WORK. 20.SR.DEN/DEN TO ENSURE THAT THE SIGNATURE OF ROAD AUTHORITY HAS BEEN OBTAINED PRIOR COMMENCING OF THE WORK. WHILE EXECUTION OF THE WORK. 22.MAXIMUM FOUNDATION PRESSURE IS 210KN/SQM. OF EXISTING ROAD FOR LONG DURATION, THE FINAL

BEFORE HAND AND

MEASURE IN PLACE.

BREAKING OF ROCKS.

APPROVED DRAWING.

UNEVEN BOTTOM.

NOTES:-

FXCFPT

B-10157/2

PROVIDED.

BY 32.5 T LOADING.

THE CABLES.

WALLS.

WORK

1. EXISTING WORK SHOWN IN BLACK.

OF STORM WATER IS FEASIBLE.

BASED ON RDSO DRG. NO. RDSO/M-0001.

RCC BOX BEFORE SPREADING THE BALLAST.

THE ROLLING DOWN OF FORMATION SOIL.

BE DONE BY THE ROAD AUTHORITY.

TURFING IF REQUIRED ACCORDING TO SOIL STRATA.

SHOWN IN GREEN & DFC WORK SHOWN IN MAGENTA

4. DO NOT SCALE THE DRAWING, FOLLOW ONLY WRITTEN DIMENSION.

21.SAFETY OF THE TRACK SHALL BE ENSURED BY SR. DEN/DEN FOR ALL THE TIME 23.FOR DETAILS OF U WALL AND RETURN WALL REFER T.P. NO. BR-31(HQ)/2014,

24.SR.DEN/DEN TO ENSURE THAT THE SOIL CONDITION HAS BEEN ASCERTAINED

EXECUTION DONE EITHER WITH ADEQUATE SLOPE OR WITH SLOPE PROTECTION

SUPPORT SHALL BE DONE WITH GRANULAR MATERIAL / QUARRY DUST.

26.EARTH FILL BEHIND BOX AND EXCAVATED PART OF EMBANKMENT FOR CC CRIBS

27. AIR PUSHING METHOD TO BE ADOPTED FOR BOX PUSHING. AIR PUSHING WHICH R.C.C

BOX SEGMENT TO BE PUSHED UNDER RELIEVING GIRDER BY REMOVING SOILUPTO

THE TOP OF BOX CUTTING PLATE WITH APPROXIMATELY .500MM PROJECTION TO BE

FIXED AT BOTTOM AND EITHER SIDE OF LANDING SEGMENT, DESIGN OF THRUST BED

AND CUTTING PLATE SHALL BE GET APPROVED FRON HQ'S BEFORE START WORK

30.GRANULAR MATERIAL OF GW, SW GROUPS AS PER 1498-1970 (AS PER BRIDGE SUB

STRUCTURE AND FOUNDATION CODE TO BE DONE BEFORE RELAXING THE SPEED.

31. PRIOR COMMENCING THE WORK SITE ENGINEER/ENGINEER-IN-CHARGE TO ENSURE

THE SBC OF SOIL IS HIGHER THAN MAXIMUM FOUNDATION PRESSURE AS PER

28.MACHINE MOUNTED HEAVY DUTY PNEUMATIC BREAKER SHALL BE USED FOR

29. LIGHT WEIGHT PNEUMATIC /ELECTRIC BREAKER SHALL BE USED FOR MAKING

25.CRS SANCTION SHALL BE OBTAINED FOR THE PROPOSED WORK.

2. PROPOSED WORK SHOWN RED IN SITE PLAN, RLY BOUNDARY, TEMPORARY WORK

5. FOR SLAB & WALL THICKNESS & REINFORCEMENT DETAILS REFER DRG. R.D.S.O

3. ALL DIMENSION ARE IN MILLIMETERS AND LEVELS ARE IN METER OTHERWISE STATED

6. BED SLOPE 1 IN 1000 SHOULD BE PROVIDED TOWARDS SIDES ON WHICH DRAINAGE

7. TEMPORARY ENGINEERING INDICATOR WILL BE PROVIDED AS PER 15.09 (i) (d) OF GR.

8. TEMPORARY SPEED RESTRICTION BOARD AND CAUTION INDICATOR BOARD WILL BE

9. HEIGHT GAUGE SHALL BE PROVIDED AT EITHER END OF SUB WAY AT 4000MM AWAY

10.TWO COATS OF BITUMINOUS SOLUTION SHALL BE APPLIED ON TOP OF TOP SLAB OF

11.MINIMUM GRADE OF CONCRETE FOR RCC BOX SHALL BE M-35 RCC BOX IS DESIGNED

ADDITIONAL 500 BAGS FILLED UP WITH SAND FOR PROVIDING SHORING TO AVOID

16. THE MAINTAINCE OF ROAD SURFACE DRAINAGE AND LIGHTING IN SUBWAY SHOULD

17. TRAFFIC WILL BE DIVERTED TO TEMPORARY DIVERSION BEFORE COMMENCING THE

12.PRIOR INFORMATION WILL BE GIVEN TO SSE (SIG)/(TEL) FOR THE PROTECTION OF

13.100MM DIA. OF A.C. PIPE AS WEEP HOLES TO BE PROVIDED IN WING & RETURN

15.SIDE SLOPE ALONG APPROACH ROAD TO BE PROTECTED BY STONE PITCHING /

14.PROVIDE SHORING HEIGHT OF MINIMUM 2.0 M AND ALSO KEEP READY

- BR-30(HQ)/2014.