

AVG. ANNUAL RAINFALL DATA OF						
LAST 10 YEARS						
YEAR	TOTAL RAINFALL					
2010	2040					
2011	1623					
2012	1103					
2013	2309					
2014	1320					
2015	1070					
2016	1277					
2017	1297					
2018	1712					
2019	1812					
2020	2351					

			NOTES:-			
	PHASE WORK		1. EXISTING WORK	K SHOWN IN BLACK. RK SHOWN IN <mark>RED</mark> IN SITE PLAN RLY BO	P.B- 268/21-22 (Umbrella work) UNDARY, TEMPORARY WORK SHOWN IN GREEN.	
TO NAVSARI EAST SIDE ——		DEPTH FOR THRUST BED AND AUXILIARY BED AS PER APPROVED DRG. AND		SHOWN IN BLUE . WORK SHOWN IN MAGENTA .		
HEIGHT GAUGE AS PER RDSO DRG.	CURE IT SUITABLY.(CAST RCC BO SUITABLY.	OX UNITS AS PER RDSO DRG. AND CURE IT	5. ALL DIMENSION	N ARE IN MILLIMETERS AND LEVEL ARE IN METER EXCEPT STATED OTHERWISE.		
AS PER RDSO DRG. NO. RDSO/ M- 001 	OPERTION 2 TRANSPORT TEMPOR SUITABLY.	ARY R/GIRDER 26800 O/A LENGTH AT SITE		THE DRAWING FOLLOW ONLY WRITTEN NGINEERING INDICATORS WILL BE PROV		
PROPOSED TWO LANE ROAD PROPOSED		<u>R BLOCK(SR.20 KMPH ON UP LINE)</u> /ITH SLEEPERS, EXCAVATE EARTH AND			N INDICATOR BOARD WILL BE PROVIDED. ND OF SUBWAY AT 4.0 M AWAY BASED ON RDSO DRG. NO.	
	ERECT SLEEPER CRIBS D AND D R/GIRDER. INSERT 15850 MM O/A	LENGTH R/GIRDER RESTING ITS EITHER	RDSO/M-001. 10. TWO COATS OF	F BITUMINOUS SOLUTION SHALL BE AF	PLIED ON TOP OF TOP SLAB OF RCC BOX BEFORE SPREADING	
	@ DEAD STOP & 10 KMPH IN STAG	AND LAY TRACK AND RESTORE TRAFFIC ES AS PER.	THE BALLAS	ST		
	&10 KMPH ON DN LINE)	VER BLOCK ON UP LINE (SR @ DEAD STOP	12. RCC BOX IS DES	DE OF CONCRETE FOR RCC BOX SHALL F SIGNED BY 32.5 T LOADING.		
		<u>PERATION 3 FOR UP LINE WITHOUT LINE</u> <u>TO 40 KMPH ON UP AND DN LINE</u>)		ATION WILL BE GIVEN TO SSE(SIG)/(TEL) INAGE ARRANGEMENT TO BE PROVIDED		
15000		G BOX UNIT /SEGMENT NO.1 ACROSS THE NITS/SEGMENTS IN THE SAME MANNER UP		ING HEIGHT OF MINIMUM 2.0 M AND AI G SHORING TO AVOID THE ROLLING OF F	LSO KEEP READY ADDITIONAL 500 BAGS FILLED UP WITH SAND FORMATION SOIL.	
ROW OF ROAD		ER BLOCK ON DN LINE(SR @DEAD STOP & 10	16. SIDE SLOPE ALC SOIL STRATA.	ONG APPROACH ROAD TO BE PROTECT	ED BY STONE PITCHING/TURFING IF REQUIRED ACCORDING TO	
	<u>KMPH ON UP LINE</u> OPERATION 6 (DN LINE) REMO	VE TRACK WITH SLEEPERS, REMOVE ALL	17. THE MAINTENA	ANCE OF ROAD SURFACE, DRAINAGE	AND LIGHTING IN SUBWAY SHOULD BE DONE BY THE ROAD	
7500	TEMPORARY ARRANGEMENT FILL UP BANK, SPREAD BALLAST A	L UP EARTH IN REMAINING PORTION MAKE ND LAY TRACK AND RESTORE TRAFFIC	AUTHORITY. 18. REDUCED LEVE	EL OF AVERAGE MAXIMUM WATER TABI	LE DURING MONSOON IS 91.500.	
	VO LANE ROAD AT 20 KMPH.	ER BLOCK ON UP LINE(SR 20 KMPH			AD AUTHORITY HAS BEEN OBTAINED PRIOR COMMENCING OF	
		OPERATION 6 ON UP LINE. RELAX THE SPEED OR THE BANK HAS BEEN CONSOLIDATED	THE WORK. 21. SAFETY OF TRA	CK SHALL BE ENSURED BY SR.DEN FOR	ALL THE TIME WHILE EXECUTION OF WORK.	
ROAD	SUFFICIENTLY.	IN THE BANK HAS BEEN CONSOLIDATED		NDATION PRESSURE IS 22 T/SQM.	YPE PLAN NO. T.P. BR 48/2017- HQ BR-51/2017-HQ	
EXISTINC	<u>I</u> <u>MPORTANT NOTES</u>		24. SR. DEN TO EN	SURE THAT THE SOIL CONDITION HAS	S BEEN ASCERTAINED BEFORE HAND AND EXECUTION DONE	
AD		PEED OF 50 KMPH MAY BE ALLOWED ONLY		DEQUATE SLOPE OR WITH SLOPE PROTE SHALL BE OBTAINED FOR PROPOSED W		
	SPEED AT 20 TO 30, AN	ABILITY OF ARRANGEMENT IN STAGES OF D GRADUALLY INCREASES TO 40 KMPH. ALL CHECK THE ALIGNMENT AND LEVELS		CHIND BOX AND EXCAVATED PART OF TERIAL /QUARRY DUST.	EMBANKMENT FOR CC CRIBS SUPPORT SHALL BE DONE WITH	
TO NAVSARI WEST SIDE	AFTER PASSAGE OF EVI	ERY TRAIN INITIALLY AND SHALL TAKE TE MEASURES AS REQUIRED. AFTER			SHING IN WHICH R.C.C BOX SEGMENT TO BE PUSHED UNDER TOP OF BOX CUTTING PLATE WITH APPROXIMATELY.500 MM	
	RAISED FROM INITIAL SPE	LIGNMENT AND LEVELS SPEED SHALL BE ED OF 20 KMPH TO 30 KMPH,40 KMPH AND 40		O BE FIXED AT BOTTOM AND EITHE E SHALL BE GET APPROVED FROM HQ'S I	R SIDE OF LANDING SEGMENT,DESIGN OF THRUST BED AND BEFORE START WORK.	
	LEVELS OF GIRDERS BESI	CH STAGE HE WILL MONITOR ALIGNMENT, DES THE TRACK PARAMETERS. IN CASE OF INMENT OR EXCESSIVE DIFFERENCE OF	28. MACHINE MOU	NTED HEAVY DUTY DUTY PNEUMATIC H	BREAKER SHALL BE USED FOR BREAKING OF ROCKS L BE USED FOR MAKING OF UN EVEN BOTTOM	
	CROSS LEVELS HE CAN RE	DUCE THE SPEED TO 20 KMPH.	30. PRIOR COMME	NCING OF THE WORK SITE /ENG-IN-C	HARGE TO BE ENSURE THAT SBC OF SOIL IS HIGHER THAT	
	BE CHECKED AT LEAST O 3. MAXIMUM BASE PRESSUR	NCE DAILY.		FOUNDATION PRESSURE AS PER APPROV MENCING THE WORK DEN/C/MMCT/SIT	'ED DRG. 'E ENGG TO ENSURE THAT THE RAIN WATER/DRAIN WATER	
	WITH PERMISSIBLE SPEED	USED SHALL BE FIT FOR 25T-2008 LOADING OF 40 KMPH. IF RELIEVING GIRDER FIT FOR	SUBWAY WILL SUITABLE METH		EA ANY OTHER SUITABLE LOCATION BY PUMP OR ANY OTHER	
	OTHER RELIEVING WITH	BLE THE WORK SHOULD BE DONE USING SR OF 20 KMPH AND PHASE WORK WILL BE CORDINGLY. 6.PROPER SHORING TO BE			GG. TO BE ENSURE THAT PHASE WORK SHOWN IN SECTION B-B ASIBLE AND SOIL STRATA IS OF HARD ROCK/BALLAST.	
	DESIGNED FOR PROTECT	TION OF EMBANKMENT AS SHOWN IN R PUSHING TO BE ADOPTED. PARTIAL AIR	33. ANY DISCREPA	NCY FOUND WHILE EXECUTION OF THE	WORK BROUGHT TO THE NOTICE OF H.Q. OFFICE.	
	RELIEVING GIRDER AND	IN WHICH PUSHING SHALL BE DONE USING REMOVING SOIL FROM TOP OF BOX AND	COMMENCING 7	THE WORK OTHER WISE PROVIDED SUIT	ABLE DRAINAGE ARRANGEMENT .	
	PARTIALLY FROM SIDES WORK.	OF BOX BEFORE STARTING OF PUSHING			G TO ENSURE THAT EARTH/ROCK SHALL NOT BE EXCAVATED AIR PUSHING WORK WILL BE DONE BY CUT AND PUSH 1.0M	
			(MAX)MIN LEN LENGTH OF RCC		EPEAT THIS PROCEDURE CONTINUOUSLY UP TO THE REQUIRED	
	NOTES FOR ROAD AUTHORITY :	AVG. ANNUAL RAINFALL DATA OF LAST 10 YEARS YEAR TOTAL RAINFALL		[×]	R) 14 AND RP(PIER) 15 AND CLEAR DISTANCE BETWEEN RP14 TO TO BOTTOM OF PROPOSED ROB BOTTOM SLAB AND AT RP 15 IS	
	 (AS PER RAILWAY BOARD LETTER NO. 2006/CE-IV/MISC-2(RUB's), DT. 18.04.2012. a. RESPONSIBILITY FOR THE MAINTENANCE OF ROAD PASSING THROUGH SUBWAY, LIGHTING, DRAINAGE SYSTEM DIVERSION ROAD AND ANY OTHER ALLIED WORKS WILL 	2010 2040 2011 1623		ROUND LEVEL TO BOTTOM OF ROB SLAE NCING THE WORK SR DEN/DEN WILL	B. BE FULLY RESPONSIBLE FOR PLANNING AND DESIGNING OF	
FILLING	REST ON STATE GOVERNMENT.b. FUTURE MAINTENANCE OF SUBWAY PROPER SHALL BE DONE BY RAILWAY.c. THE STATE GOVERNMENT WILL ACQUIRE AND PROVIDE ENCUMBRANCE FREE LAND	2012 1103 2013 2309			RAIN WATER/RAIN WATER IN SUBWAY WILL BE DRAINED OUT IARGE WELL, SUMP OR ANY OTHER SUITABLE LOCATION WITH	
BLACK MEDIUM TO COURSE SAND	FREE OF COST OUTSIDE THE RAILWAY AREA IF ANY REQUIRED.d.IN CASE OF ANY REQUIREMENT OF PUMPING ARRANGEMENT FOR DRAINAGE PURPOSETHE SAME WILL BE ARRANGE BY ROAD AUTHORITY INCLUDING THE ELECTRIC	2014 1320 2015 1070 2016 1277			SURE THAT THERE SHOULD BE NO WATER LOGGING IN THE	
WITH GRAVEL GWT	CONNECTION AS REQUIRED. e. SECTIONAL SR.DEN WILL ENSURE THAT ABOVE ASPECT ARE DEALT ACCORDINGLY.	2010 1277 2017 1297 2018 1712	38. PRIOR COMMEN		GINEER/ENGINEER IN CHARGE MUST ENSURE THAT PROVISION	
YELLOW HIGH PLASTIC CLAY	FOR (ROAD VEHICLE UNIT LESS THAN 50) CROSSING FACILITY HAS BEEN SHOWN IN THIS GAD. IT IS SEEEN THAT THE TVU AND NUMBER OF ROAD VEHICLES ARE TOO LESS TO JUSTIFY	2019181220202351		ERING FOR APPROACHES SHOULD BE RUB/88 DATED-22/04/2020.	MADE AS PER TABLE NO-06 OF RAILWAY BOARD LETTER	
	THIS FACILITY THE LATEST TVU MAY ALSO BE RECHECKED AND IT IS PROPOSED TO REMOVE THE CROSSING FACILITY IF THE RECHECKED TVU AND NUMBER OF ROAD VEHICLE ARE TOO LESS. THUS ROAD WIDTH JUST OUT SIDE THE R.C.C BOX AT BOTH ENDS MY BE KEPT SAME AS REGULAR ROAD WIDTH ANY CROSSING FACILITY.			NCING THE WORK SR DEN/DEN/SITE ROAD AUTHORITY HAS BEEN OBTAINEI	ENGINEER/ENGINEER IN CHARGE MUST ENSURE THAT THE D ON GAD.	
<u>BORE LOG DETAILS.</u>		<u>S&T NOTES</u> :-			ATVU - 1143718.82 - FEB-2021	
		1. S&T CABLES & OFC ARE PROPOSED SITE. SHIFTING OF		MUMBAI DIVISION	WESTERN RAILWAY	
7(C) CLASS MANNED INTERLOCKED	TABLE NO-06 OF RAILWAY BOARD LETTER NO.2017/CE-IV/RUB/88 DATED-22/04/2020. Height of embankment Level of ground water table with respect to ground level	2. S&T & RCIL SUB ESTIMATES APPROVAL OF PLAN TO INCLU			ONS OF TWIN BOX RUB IN LIEU OF L.C NO. 127 V.S YARD (SIZE:- TWIN BOX X5.50M X 4.70M)	
PAL ROAD	Low High Annual Annual Annual Annual	3. S&T STAFF I.E. DSTE/BL, AD SSE/SIG/BL & RCIL AUTHOR	RITY TO BE INFORMED		BOX PUSHING METHOD)	
OF EXISTING LC-OTRT	Rainfall Rainfall Rainfall Rainfall <800mm	WELL IN ADVANCE BEFORE MANUAL DIGGING TO BE E			Signature block	
	embankmentas per siteas per siteas per siteas per siteand Roadrequirementrequirementrequirementcross drainslevel insideto be decidedto be decidedto be decidedas per site		DARD LETTER NO.	CBE-CCG		
ANCE DEFORE EVECUTION OF WORK	the RCCby Engineerby Engineerby Engineerrequirementbox higherin chargein chargein chargein chargethan theground level	2003/TELE/RCIL/1 PT IX DATED T AND OFC CABLE IS DAMAG	ED DURING THE WORK,		HIMANSHU SHARMA Digitally signed by HIMANSHU	
ANCE BEFORE EXECUTION OF WORK. MAGED, A FLAT PENALTY OF WILL BE IMPOSED ON CONTRACTO	DR. SCHEMATIC ARRANGEMENT SCHEMATIC ARRANGEMENT	A FLAT PENALTY WILL CONTRACTOR.		DYCE-DESIGN-CCG	SHARMA Date:2021.06.18 03:34:36 +05'30'	
MEANS.	Track on Sump+Open Cover over the Lining of the Lining of the	5. JPO NO. MUM/N/S&T/IR CORF SHOULD BE FOLLOWED FOR E		AXEN-DESIGN-CCG	N K Chaudhary Digitally signed by N K Chaudhary Date:2021.06.17 03:50:01 +05'30'	
	embankment and Roaddrains/closed drains orapproaches +Sump+Opensubway+Cover over thesubway+Cover over thelevel inside the RCCcombination of bothdrains or+Sump+Open drains/closed drains orapproaches +Sump+Pumpingapproaches +Sump+Pumping			DRM-MMCT	GVL SATYA KUMAR Digitally signed by GVL SATYA KUMAR	
T TRAINS MAY BE PERMITTED WITH 20KMPH	box lower than the ground levelcombination of botharrangement +Surfacearrangement +Surface(Pumping arrangementdrainage and suitable crossdrainage and suitable cross			ADRM-I-MMCT	Date:2021.05.11 15:41:57 +05'30' GURU PRAKASH	
	as standby) drainage drainage wherever wherever required. ROB preferable				Digitally signed by GURU PRAKASH Date:2021.05.06 12:29:23 +05'30' RAJESH AGARWAL	
O MAINTAINED LEVEL OF R.G	over RUB			SRDEN-CO-MMCT	Digitally signed by RAJESH AGARWAL Date:2021.04.26 11:59:16 +05'30'	
NAGE ARRANGEMENTS SUCH AS CONNECTING TO NEARBY LOW	SCHEMATIC ARRANGEMENT SHOWN IN GROUP-III SHOWN IN GROUP-IV			SRDOM-MMCT	VINEET ABHISHEK Digitally signed by VINEET ABHISHEK	
RTION. AS PER FIELD CONDITIONS AND AS PER GUIDELINES OF CBE CCC	3			SRDEE-TRD-BL	Date:2021.05.03 15:29:43 +05'30' SUNIL KUMAR GUPTA	
HDPE SHEETS BEHIND THE JOINT. ICAL CUT SHALL BE PROTECTED BY FILING SAND BAGS TILL TH	E				Digitally signed by SUNIL KUMAR GUPTA Date:2021.04.16 05:52:03 +05'30'	
	\Users\FAIZ AHMED\Desktop\dfcc no	e.JPG		SRDSTE-NORTH-MMCT	BALRAM R VERMA Digitally signed by BALRAM R VERMA Date:2021.04.18 09:59:58 +05'30'	
\HMED\Desktop\road sign.JPG		\Users\FAIZ A	HMED\Desktop\sign 2.JPG	DEN-CENTRAL-MMCT	RAVI GUPTA	
					Digitally signed by RAVI GUPTA Date:2021.04.20 15:16:07 +05'30' Vivek Pitale	
	\Users\FAIZ AHMED\Desktop\sign	1.JPG DRG No . –		SSE-DRG-III-CCG	Digitally signed by Vivek Pitale Date:2021.06.17 01:41:33 +05'30'	
OF ROAD AUTHORITY			RUB/LC/NO.127	DRG No.DRM(B)26739/20-F	PCE NO:- e-29282-DRM/1-D	