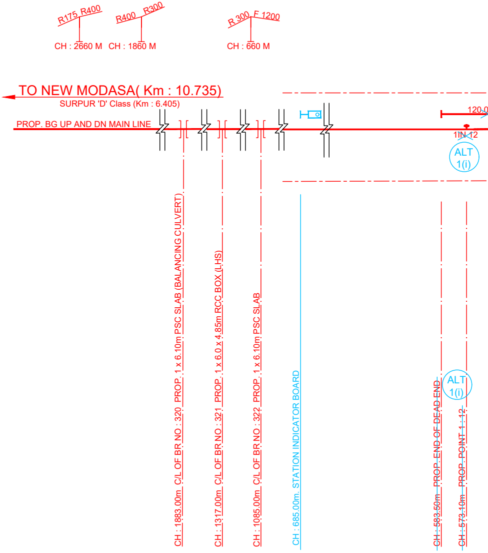
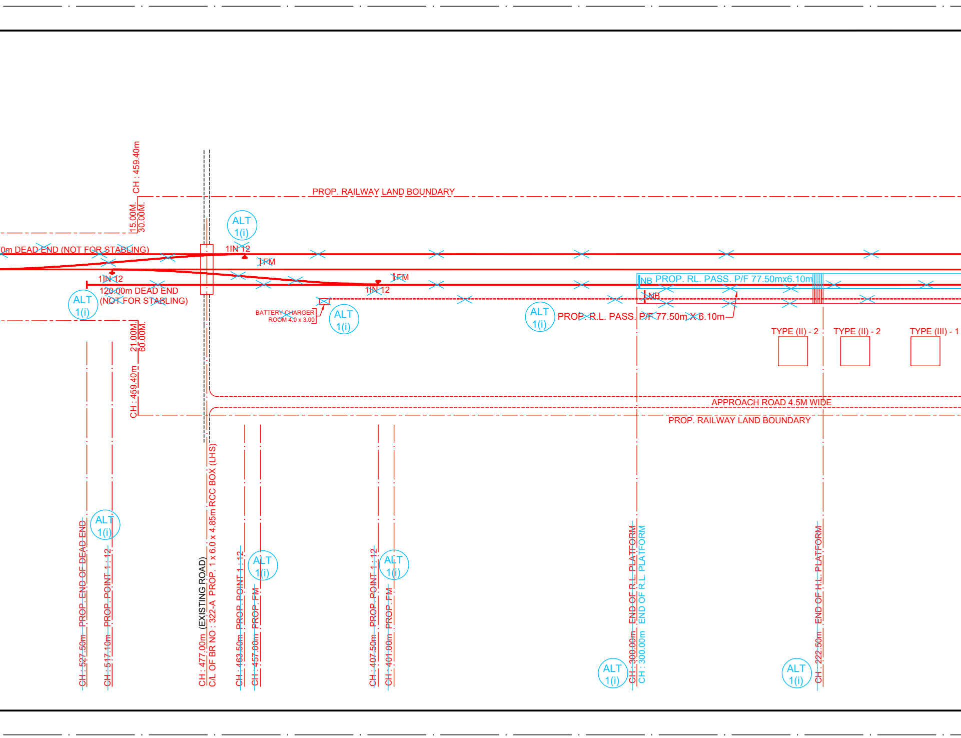
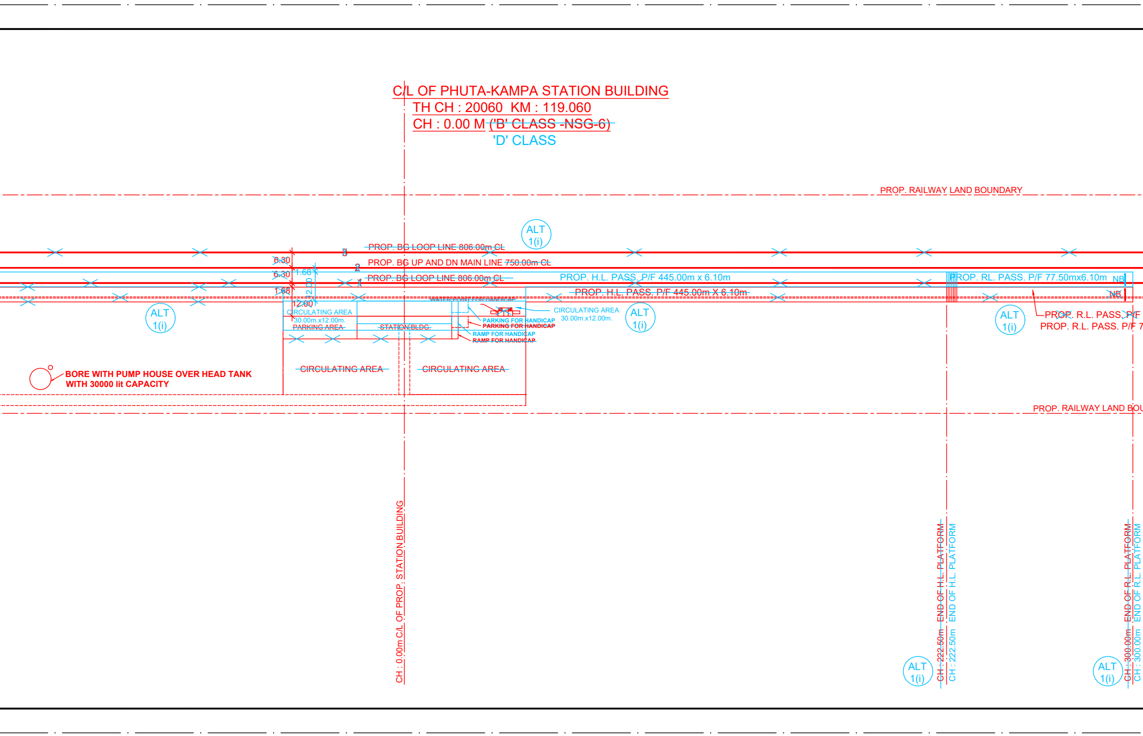

R175 R400
CH : 2660 M
R400 R300
CH : 1860 M
R 300 F 1200
CH : 660 M
TO NEW MODASA(Km : 10.735)
SURPUR 'D' Class (Km : 6.405)
PROP. BG UP AND DN MAIN LINE
120.0
1IN 12
ALT 1(i)
CH : 1883.00m C/L OF BR NO : 320 PROP. 1 x 6.10m PSC SLAB (BALANCING CULVERT)
CH : 1317.00m C/L OF BR NO : 321 PROP. 1 x 6.0 x 4.85m RCC BOX (LHS)
CH : 1085.00m C/L OF BR NO : 322 PROP. 1 x 6.10m PSC SLAB
CH : 685.00m STATION INDICATOR BOARD
CH : 583.50m PROP. END OF DEAD END
CH : 573.10m PROP. POINT 1 : 12
ALT 1(i)

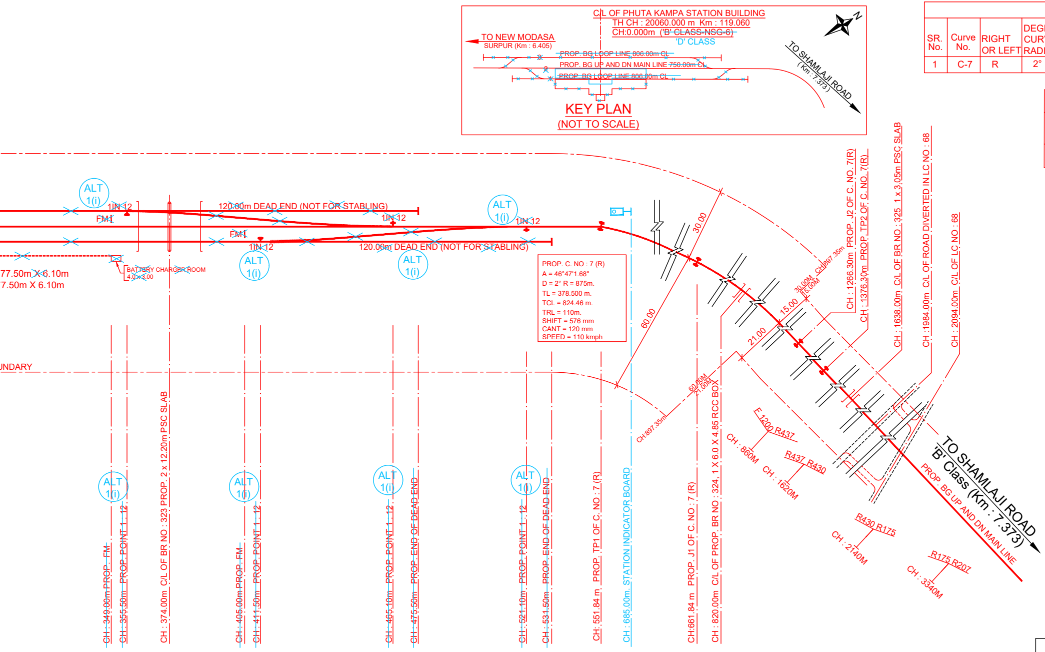
Signature Not Verified

Digitally signed by ANIL KALIDASBHAI PANCHAL
Date: 2023.04.12 18:59:08 IST
Reason: IREPS-CRIS
Location: New Delhi



CH : 459.40m
PROP. RAILWAY LAND BOUNDARY
15.00M.
30.00M.
ALT 1(i)
0m DEAD END (NOT FOR STABLING)
1IN 12
1FM
1IN 12
1FM
1IN 12
120.00m DEAD END (NOT FOR STABLING)
ALT 1(i)
BATTERY CHARGER ROOM 4.0 x 3.00
ALT 1(i)
ALT 1(i)
NB
PROP. RL. PASS. P/F 77.50mx6.10m
NB
PROP. R.L. PASS. P/F 77.50m X 6.10m
TYPE (II) - 2
TYPE (II) - 2
TYPE (III) - 1
21.00M.
60.00M.
CH : 459.40m
APPROACH ROAD 4.5M WIDE
PROP. RAILWAY LAND BOUNDARY
ALT 1(i)
CH : 527.50m PROP. END OF DEAD END
CH : 517.10m PROP. POINT 1 : 12
CH : 477.00m (EXISTING ROAD)
C/L OF BR NO : 322-A PROP. 1 x 6.0 x 4.85m RCC BOX (LHS)
CH : 463.50m PROP. POINT 1 : 12
CH : 457.00m PROP. FM
ALT 1(i)
CH : 407.50m PROP. POINT 1 : 12
CH : 401.00m PROP. FM
ALT 1(i)
CH : 300.00m END OF R.L. PLATFORM
CH : 300.00m END OF R.L. PLATFORM
ALT 1(i)
CH : 222.50m END OF H.L. PLATFORM
ALT 1(i)


C/L OF PHUTA-KAMPA STATION BUILDING
TH CH : 20060 KM : 119.060
CH : 0.00 M ~~('B' CLASS -NSG-6)~~
'D' CLASS
PROP. RAILWAY LAND BOUNDARY
ALT 1(i)
~~PROP. BG LOOP LINE 806.00m CL~~
PROP. BG UP AND DN MAIN LINE ~~750.00m CL~~
~~PROP. BG LOOP LINE 806.00m CL~~
3
2
1
6.30
6.30
1.68
1.68
12.00
12.00
PROP. H.L. PASS. P/F 445.00m x 6.10m
~~PROP. H.L. PASS. P/F 445.00m X 6.10m~~
PROP. RL. PASS. P/F 77.50mx6.10m
NB
~~NB~~
~~WATER POINT FOR HANDICAP~~
CIRCULATING AREA
30.00m.x12.00m.
~~PARKING AREA~~
~~STATION BLDG.~~
PARKING FOR HANDICAP
~~PARKING FOR HANDICAP~~
RAMP FOR HANDICAP
~~RAMP FOR HANDICAP~~
CIRCULATING AREA
30.00m.x12.00m.
ALT 1(i)
ALT 1(i)
ALT 1(i)
~~PROP. R.L. PASS. P/F~~
PROP. R.L. PASS. P/F 7
~~CIRCULATING AREA~~
~~CIRCULATING AREA~~
BORE WITH PUMP HOUSE OVER HEAD TANK
WITH 30000 lit CAPACITY
PROP. RAILWAY LAND BOU
CH : 0.00m C/L OF PROP. STATION BUILDING
~~CH : 222.50m END OF H.L. PLATFORM~~
CH : 222.50m END OF H.L. PLATFORM
ALT 1(i)
~~CH : 300.00m END OF R.L. PLATFORM~~
CH : 300.00m END OF R.L. PLATFORM
ALT 1(i)



C/L OF PHUTA KAMPA STATION BUILDING
TH CH : 20060.000 m Km : 119.060
CH:0.000m (~~'B' CLASS-NSG-6)~~
'D' CLASS
TO NEW MODASA
SURPUR (Km : 6.405)
~~PROP. BG LOOP LINE 806.00m CL~~
PROP. BG UP AND DN MAIN LINE ~~750.00m CL~~
~~PROP. BG LOOP LINE 806.00m CL~~
KEY PLAN
(NOT TO SCALE)
N
TO SHAMLAJI ROAD
(Km : 7.373)
ALT 1(i)
1IN 12
FM
120.00m DEAD END (NOT FOR STABLING)
1IN 12
ALT 1(i)
1IN 12
FM
1IN 12
ALT 1(i)
120.00m DEAD END (NOT FOR STABLING)
ALT 1(i)
77.50m X 6.10m
7.50m X 6.10m
BATTERY CHARGER ROOM
4.0 X 3.00
UNDARY
30.00
60.00
15.00
21.00
30.00M
15.00M
CH:897.35m
CH:897.35m
60.00M
21.00M
E 1200 R437
CH : 860M
R437 R430
CH : 1620M
R430 R175
CH : 2140M
R175 R207
CH : 3340M
TO SHAMLAJI ROAD
'B' Class (Km : 7.373)
PROP. BG UP AND DN MAIN LINE
ALT 1(i)
ALT 1(i)
ALT 1(i)
ALT 1(i)
CH : 349.00m PROP. FM
CH : 355.50m PROP. POINT 1 : 12
CH : 374.00m C/L OF BR NO : 323 PROP. 2 x 12.20m PSC SLAB
CH : 405.00m PROP. FM
CH : 411.50m PROP. POINT 1 : 12
CH : 465.10m PROP. POINT 1 : 12
CH : 475.50m PROP. END OF DEAD END
CH : 521.10m PROP. POINT 1 : 12
CH : 531.50m PROP. END OF DEAD END
CH: 551.84 m PROP. TP1 OF C. NO : 7 (R)
CH : 685.00m. STATION INDICATOR BOARD
CH:661.84 m PROP. J1 OF C. NO : 7 (R)
CH : 820.00m C/L OF PROP. BR NO : 324, 1 X 6.0 X 4.85 RCC BOX
CH : 1266.30m PROP. J2 OF C. NO. 7(R)
CH : 1376.30m PROP. TP2 OF C. NO. 7(R)
CH : 1638.00m C/L OF BR NO : 325 1 x 3.05m PSC SLAB
CH : 1984.00m C/L OF ROAD DIVERTED IN LC NO : 68
CH : 2094.00m C/L OF LC NO : 68

PROP. C. NO : 7 (R)
A = 46°47'1.68"
D = 2° R = 875m.
TL = 378.500 m.
TCL = 824.46 m.
TRL = 110m.
SHIFT = 576 mm
CANT = 120 mm
SPEED = 110 kmph

SR. No.	Curve No.	RIGHT OR LEFT	DEGREE OF CURVATURE & RADIUS IN m.
1	C-7	R	2° = 875m.

SR.NO.

SSE / PW / N

CURVE DETAIL TABLE

DEFLECTION ANGLE	TANGENT LENGTH (M)	TOTAL CURVE LENGTH (M)	TOTAL TRANSITION LENGTH (M)	SHIFT (IN MM)	CANT (IN MM)	SPEED POTENTIAL (IN KMPH)	CHAINAGES IN METERS		REMARKS
							TP-1	TP-2	
46°47'1.68"	378.500	824.46	110.00	576	120.00	110	20611.84	21436.30	-

PSR TABLE

FROM CHAINAGE (KM)	TO CHAINAGE (KM)	TOTAL LENGTH IM MTS.	PSR PROPOSED (Kmph) W.R.T MAXIMUM SANCTION SPEED OF 110	REASON FOR PSR.
--- NIL ---				

INFRINGEMENT TABLE

SR. NO.	LOCATION	NAME OF STRUCTURE	CHAPTER & ITEM	MAX & MIN DISTANCE	ACTUAL DISTANCE	AMOUNT OF INPRINGMENT	REMARKS
------- NILL -------							

CSR OF LINES

LINE NO.	NOMENCLATURE OF LINE	CHAINAGE		CL in m.
		FROM	TO	
~~1~~	~~PROP. BG LOOP LINE~~	~~401.00~~	~~405.00~~	~~806~~
~~2~~	~~PROP. BG UP AND DN MAIN LINE~~	~~401.00~~	~~349.00~~	~~750~~
~~3~~	~~PROP. BG LOOP LINE~~	~~457.00~~	~~349.00~~	~~806~~

PROP. PASSENGER AMENITIES CATEGORY OF STATION 'B' (NSG-6)

SR. NO.	PASSENGER AMENITIES	QTY
1	BOOKING FACILITY (NO. OF COUNTERS)	~~4~~ 1
2	DRINKING WATER	~~2~~ 2
3	WAITING HALL	~~70 Sq. m~~ 15 Sq. m
4	URINALS	~~0~~ 1
5	LATRINES	~~3 (INCLUDING HANDICAP)~~ 2
6	PF. SHELTERS/SEATING ARRANGEMENTS (NO. OF SEATS)	~~COVERING SHED 16.00m x 10.00m ON PF~~ ~~SEATING ON PF.~~ SHADY TREE

PROPOSED TRACK STRUCTURE

1. RAILS	60 KG.
2.WIDER SLEEPER TYPE	PRC
3.SLEEPER DENSITY	1660 Nos./Km
4.FASTENING	ELASTIC
5.BALLAST CUSHION	350 mm

PLATFORM LENGTH TABLE

P/F NO.	H.L. PF LENGTH IN m.	R.L. PF LENGTH IN m.
1	445.00 X 6.10 m	2 X 77.50 X 6.10 m

TABLE:-

DETAILED REMARKS FOR DEVIATION FROM RECOMMENDED GRADIENT OF 1:1200 AND UPTO THE SPECIFIED MAXIMUM (STEEPEST) GRADIENT OF 1 IN 400 (0.25%).

REMARKS : -- IT IS NOT POSSIBLE TO PROVIDE RECOMMENDED GRADIENT OF 1 IN 1200 AS THIS WORK INCLUDE MAJOR RAISING / LOWERING OF TRACK ETC. WITHOUT CORRESPONDING OPERATIONAL BENEFIT.

PLAN IS VERIFIED AT SITE AND SIGNED BY : -

ID	SSE / W / ND	TI / ND	SSE / SIG / ND	SSE / TEL / ND	SSE / P / ND	CMI / ND	SSE / OHE / ND	ADEN / ND

03

NOTES :

1. ALL DIMENSIONS ARE IN METERS.
2. PROPOSED WORK SHOWN IN RED.
3. PROPOSED RAILWAY LAND BOUNDARY SHOWN IN CHAIN DOTTED RED AND WILL BE VERIFIED BEFORE EXECUTION.
4. CHAINAGES ARE RECKONED FROM C/L OF STATION BUILDING & ARE SHOWN IN (CH :0.00M.)
5. KILOMETERS ARE RECKONED FROM C/L OF NADIAD STATION.
6. FOR GRADE ETC. REFER TO SEPARATE L- SECTION DRG. NO : DY.CE (C) III / ADI / 1743 / F-MDSA-SJS AND DY.CE (C) III / ADI / 1744 / F-MDSA-SJS (SHEET No. 04 & 05).
7. EXISTING ELECTRICAL INSTALLATIONS / SUPPLY LINE WHICH WILL INFRINGE IN PROPOSED WORK ARE PROPOSED TO BE DISMANTLED/RELOCATED.
8. PASSENGER AMENITIES AS PER MEA AT STATION SHALL BE ENSURED.
9. EXECUTIVE AGENCY SHOULD ENSURE THAT RAIL LEVELS ARE SAME IN CROSS OVER ZONE.
10. MAX. PERMISSIBLE SECTIONAL SPEED ON MDSA - SJS SECTION, IS 110 KMPH.
11. DESIGNATED SPEED OF SECTION FOR NEW BG LINE IS 110 KMPH AS PER PROJECT REPORT.
12. EXECUTION AGENCY TO ENSURE THAT LONG TERM/SHORT TERM FACILITIES FOR DIVYANGJAN SHOULD BE PROVIDED AS PER RAILWAY BOARD'S LETTER NO. 2018/LM(PA) 03/06/ DTD.09.04.2018.
13. DETAILED DRAWING FOR PROPOSED DRAIN SHOULD BE PREPARED AND APPROVED AT DIVISIONAL LEVEL.
14. APPROVAL FROM GM-CCG FOR RETENTION OF LC. HAS BEEN OBTAINED. File No. WR-HQ0SnC(ECMS)/666/2022-O/o DY CE C III/ADI/WR (Computer No. 338144).
15. APPROVAL FOR SPEED LESS THAN 130 KMPH FROM CAO-C-CCG HAS BEEN OBTAINED. File No. WR-HQ0SnC(ECMS)/666/2022-O/o DY CE C III/ADI/WR (Computer No. 338144).

DRAWING PREPARED BY:

Bhajan

InfraTech Pvt. Ltd.
B/1003, Jolly Enclave, Opp. Panchwati Wadi,
Nr. Varachha(E) Zone office, L.H.Road
Surat, 395006, GUJARAT, INDIA.
CONTACT:-+91-9725001300
VISIT US: http://www.BhajanEC.com
eMail: mail@bhajanec.com

PINK BOOK ITEM NO : 9 OF 2019-2020

WESTERN RAILWAY

DIVISION : VADODARA	SECTION : MDSA - SJS

NEW BG LINE PROJECT
BETWEEN MODASA - SHAMLAJI
PHUTA-KAMPA STATION YARD ~~('B' CLASS NSG-6)~~

TH CH : 20060.000 M. KM : 119.060 'D' CLASS

SCALE : 1 CM = 10.0 m.

Signature block

CTPM-CCG	**UDAY SHANKAR JHA Digitally signed by UDAY SHANKAR JHA Date: 2023.01.05 12:31:57 +05'30'**
CEE-C-CCG	**PRAMOD GADRE Digitally signed by PRAMOD GADRE Date: 2022.12.23 10:41:34 +05'30'**
CSTE-C-II-CCG	**UMESH KUMAR Digitally signed by UMESH KUMAR Date: 2022.12.28 15:33:46 +05'30'**
DRM-VADODARA	**AMIT GUPTA Digitally signed by AMIT GUPTA Date: 2022.11.29 13:33:32 +05'30'**
CPM-ADI	**SANJAY GUPTA Digitally signed by SANJAY GUPTA Date:2022.09.08 04:53:26 +05'30'**
SRDCM-BRC	**Manju Meena Digitally signed by Manju Meena Date:2022.09.01 05:54:38 +05'30'**
SRDEE-POWER-BRC	**SHAKEEL AHMED Digitally signed by SHAKEEL AHMED Date:2022.08.26 02:21:18 +05'30'**
SRDEE-TRD-BRC	**AWADHESH PRASAD Digitally signed by AWADHESH PRASAD Date:2022.08.28 01:18:13 +05'30'**
SRDSTE-N-BRC	**SAURABH VERMA Digitally signed by SAURABH VERMA Date:2022.08.24 06:30:00 +05'30'**
SRDOM-BRC	**NARENDRA KUMAR Digitally signed by NARENDRA KUMAR Date:2022.09.08 01:29:33 +05'30'**
SRDEN-CO-BRC	**HARSH KUMAR Digitally signed by HARSH KUMAR Date:2022.08.26 01:38:46 +05'30'**
DEN-NORTH-BRC	**ABHISHEK MITTAL Digitally signed by ABHISHEK MITTAL Date:2022.08.25 11:55:09 +05'30'**
DYCEE-C-BRC	**Sharad Gautam Digitally signed by Sharad Gautam Date:2022.06.03 06:24:39 +05'30'**
DYCSTE-C-BRC	**ARVIND KUMAR Digitally signed by ARVIND KUMAR Date:2022.07.06 11:32:40 +05'30'**
DYCE-C-III-ADI	**PRASHANT SINGH Digitally signed by PRASHANT SINGH Date:2022.05.26 11:46:11 +05'30'**
AXEN-C-I-ADI	**RAM KISHUN KUMHAR Digitally signed by RAM KISHUN KUMHAR Date:2022.05.26 11:15:28 +05'30'**
SSE-C-PW-IV-ADI	**SUNILKUMAR LALBABU VERMA Digitally signed by SUNILKUMAR LALBABU VERMA Date:2022.05.26 11:09:06 +05'30'**
SSE-C-W-ADI	**SANTKUMAR GOPALPRASAD PATEL Digitally signed by SANTKUMAR GOPALPRASAD PATEL Date:2022.05.26 11:03:04 +05'30'**
SSE-C-DRG-XI-ADI	**RAJENDRAKUMAR KANTILAL ENGINEER Digitally signed by RAJENDRAKUMAR KANTILAL ENGINEER Date:2022.05.26 10:56:38 +05'30'**
SSE-DRG-I-BRC	**M A JUJARA Digitally signed by M A JUJARA Date:2022.08.24 01:29:23 +05'30'**

DRG. NO : CAO(C) / CCG E 26585 / F - PHUTA KAMPA-R

DRG. NO : DY.CE(C) III / ADI / 1748 / F - PHUTA KAMPA-R

ALT NO :	DESCRIPTION
ALT 1	(i) APPROVED PLAN TO BE ALTERED FROM 'B' CLASS STATION TO 'D' CLASS STATION AS PER GM REVIEW MEETING SHOWN IN SKY BLUE.

Signature block

CTPM-CCG	
CEE-C-CCG	
CSTE-C-II-CCG	
DRM-VADODARA	
CPM-ADI	
SRDCM-BRC	
SRDEE-POWER-BRC	
SRDEE-TRD-BRC	
SRDSTE-N-BRC	
SRDOM-BRC	
SRDEN-CO-BRC	
DEN-NORTH-BRC	
DYCEE-C-BRC	
DYCSTE-C-BRC	
DYCE-C-III-ADI	PRASHANT SINGH Digitally signed by PRASHANT SINGH Date: 2023.04.04 15:39:33 +05'30'
AXEN-C-MSH	SHAILESHKUMAR AMRUTLAL CHAUHAN Digitally signed by SHAILESHKUMAR AMRUTLAL CHAUHAN Date: 2023.04.04 13:15:23 +05'30'
SSE-C-PW-IV-ADI	SUNILKUMAR LALBABU VERMA Digitally signed by SUNILKUMAR LALBABU VERMA Date: 2023.04.04 12:59:10 +05'30'
SSE-C-W-ADI	SANTKUMAR GOPALPRASAD PATEL Digitally signed by SANTKUMAR GOPALPRASAD PATEL Date: 2023.04.04 12:56:58 +05'30'
SSE-C-DRG-XI-ADI	RAJENDRAKUMAR KANTILAL ENGINEER Digitally signed by RAJENDRAKUMAR KANTILAL ENGINEER Date: 2023.04.04 12:43:19 +05'30'
SSE-DRG-I-BRC	