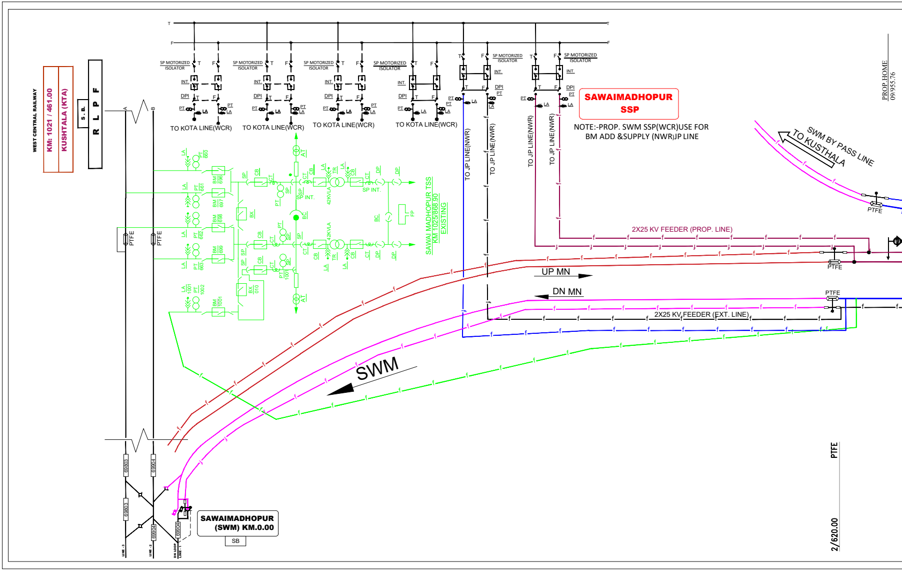
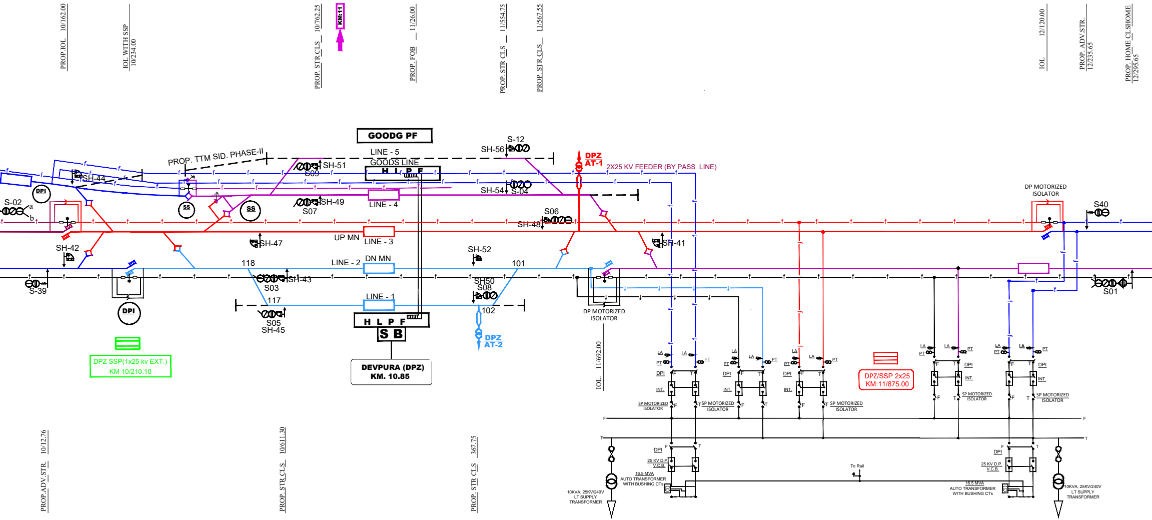
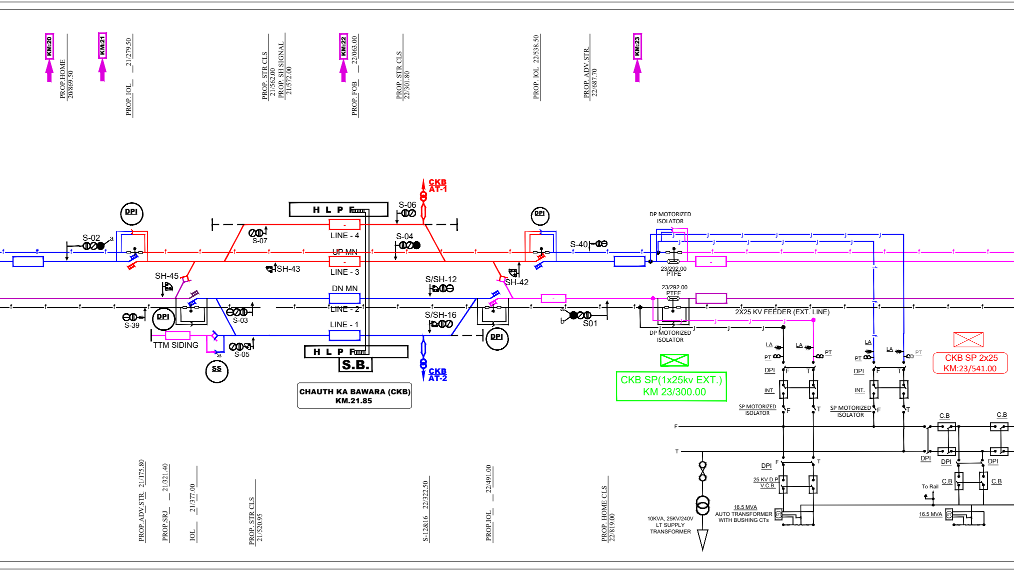
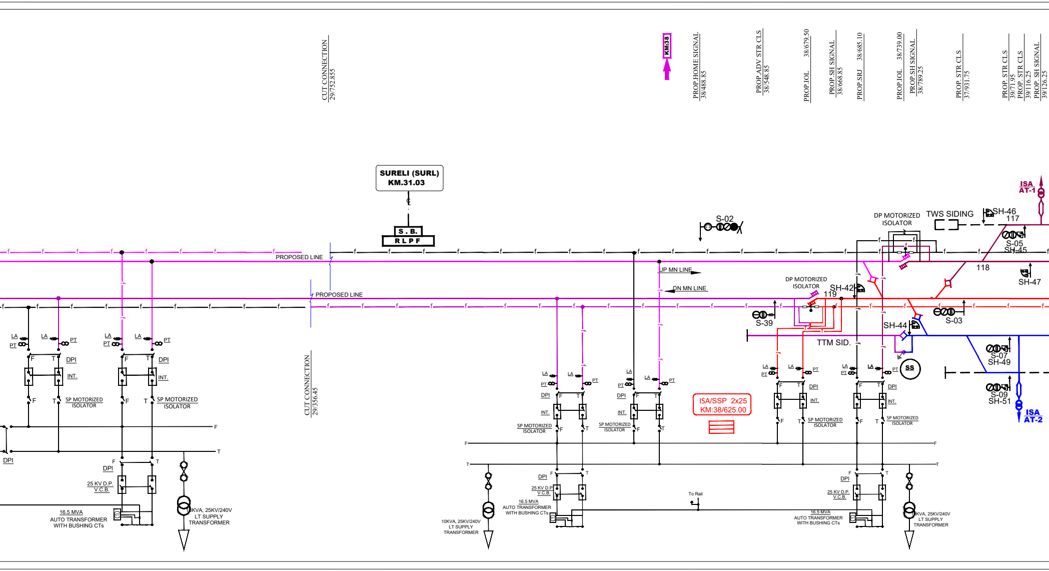
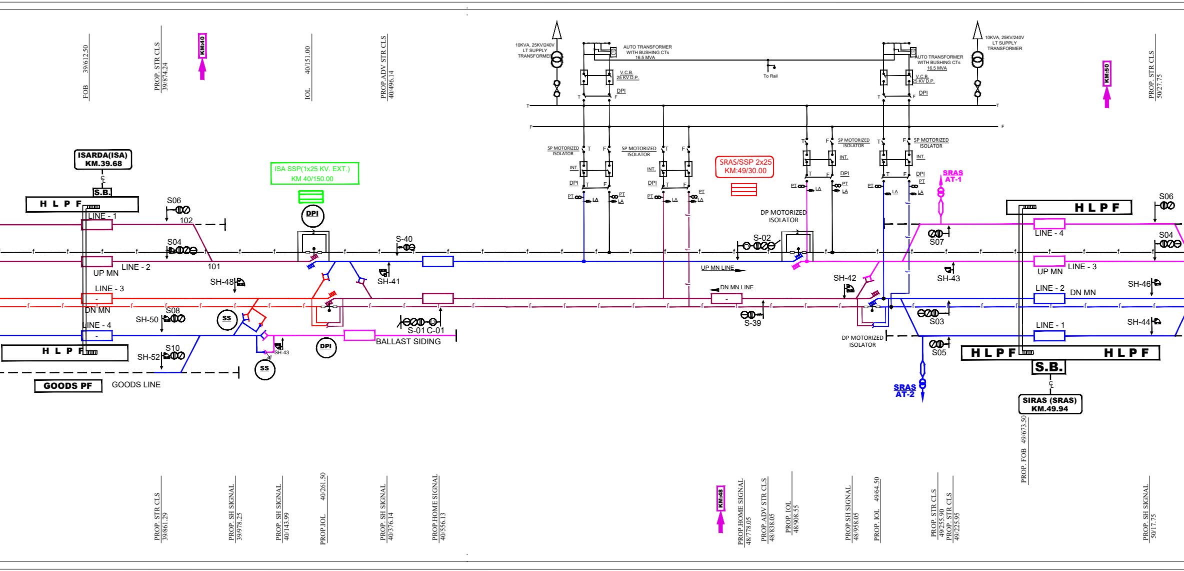

WEST CENTRAL RAILWAY
KM: 1021 / 461.00
KUSHTALA (KTA)
S. B.
R L P F
SP MOTORIZED ISOLATOR
INT.
DPI
PT
LA
TO KOTA LINE(WCR)
TO KOTA LINE(WCR)
TO KOTA LINE(WCR)
TO KOTA LINE(WCR)
TO JP LINE(NWR)
TO JP LINE(NWR)
TO JP LINE(NWR)
TO JP LINE(NWR)
SAWAIMADHOPUR SSP
NOTE:-PROP. SWM SSP(WCR)USE FOR BM ADD &SUPPLY (NWR)JP LINE
PROP.HOME 09/955.76
SWM BY PASS LINE
TO KUSTHALA
PTFE
2X25 KV FEEDER (PROP. LINE)
UP MN
DN MN
2X25 KV FEEDER (EXT. LINE)
SAWAI MADHOPUR TSS KM 1025/868.90 EXISTING
42KVLA
SP INT.
SWM
SAWAIMADHOPUR (SWM) KM.0.00
SB
LINE - 3
LINE - 2
DN LOOP LINE - 1
69803
69904
2/620.00

Signature Not Verified
Digitally signed by RAM NIWAS KUMAR
Date: 2026.06.23 17:03:02 IST
Reason: IREPS-CRIS
Location: New Delhi

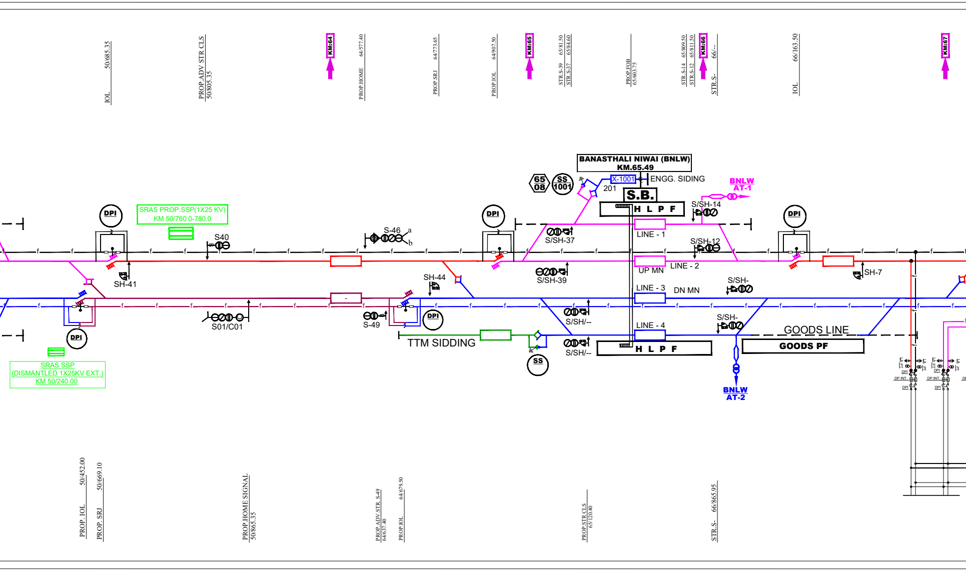

PROP.IOL 10/162.00
IOL WITH SSP 10/234.00
PROP. STR CLS 10/762.25
KM:11
PROP. FOB 11/26.00
PROP. STR CLS 11/554.75
PROP. STR CLS 11/567.55
IOL 12/120.00
PROP. ADV.STR. 12/235.65
PROP. HOME CLSHOME 12/295.65
GOODG PF
LINE - 5
GOODS LINE
H L P F
PROP. TTM SID. PHASE-II
S-12
SH-56
SH-51
S09
SH-44
DPI
S-02
a
b
SS
SS
SH-49
S07
LINE - 4
SH-54
S-04
DPZ
AT-1
2X25 KV FEEDER (BY PASS LINE)
DP MOTORIZED ISOLATOR
S40
S06
SH-48
SH-47
UP MN
LINE - 3
SH-41
SH-42
SH-52
118
LINE - 2
DN MN
101
S-39
SH-43
S03
SH50
S08
S01
117
LINE - 1
102
S05
SH-45
H L P F
S B
DPI
DPZ
AT-2
DP MOTORIZED ISOLATOR
IOL. 11/692.00
DPZ SSP(1x25 kv EXT.)
KM 10/210.10
DEVPURA (DPZ)
KM. 10.85
DPZ/SSP 2x25
KM:11/875.00
LA
PT
DPI
INT.
SP MOTORIZED ISOLATOR
F
T
25 KV D.P. V.C.B.
16.5 MVA
AUTO TRANSFORMER WITH BUSHING CTs
10KVA, 25KV/240V LT SUPPLY TRANSFORMER
To Rail
PROP.ADV.STR. 10/12.76
PROP. STR CLS 10/611.30
PROP. STR CLS 367.75


KM:20
PROP.HOME 20/869.50
KM:21
PROP. IOL _ 21/279.50
PROP. STR CLS 21/562.00
PROP. SH SIGNAL 21/572.00
KM:22
PROP. FOB _ 22/063.00
PROP. STR CLS 22/301.80
PROP. IOL 22/538.50
PROP. ADV.STR. 22/687.70
KM:23
CKB AT-1
H L P F
S-06
DPI
S-02
a
S-07
LINE - 4
S-04
UP MN
S-40
DP MOTORIZED ISOLATOR
SH-43
LINE - 3
SH-45
S/SH-12
SH-42
23/292.00 PTFE
DN MN
23/292.00 PTFE
LINE - 2
S/SH-16
a
b
S01
2X25 KV FEEDER (EXT. LINE)
S-39
DPI
S-03
DP MOTORIZED ISOLATOR
LINE - 1
DPI
TTM SIDING
S-05
H L P F
SS
S.B.
CKB AT-2
CHAUTH KA BAWARA (CKB)
KM.21.85
CKB SP(1x25kv EXT.)
KM 23/300.00
LA
PT
DPI
F
T
INT.
SP MOTORIZED ISOLATOR
CKB SP 2x25
KM:23/541.00
C.B
F
T
DPI
25 KV D.P V.C.B.
16.5 MVA
AUTO TRANSFORMER WITH BUSHING CTs
10KVA, 25KV/240V LT SUPPLY TRANSFORMER
To Rail
16.5 MVA
PROP.ADV.STR. 21/175.80
PROP.SRJ _ 21/321.40
IOL _ 21/377.00
PROP. STR CLS 21/520.95
S-12&16 22/322.50
PROP.IOL _ 22/491.00
PROP. HOME CLS 22/819.00

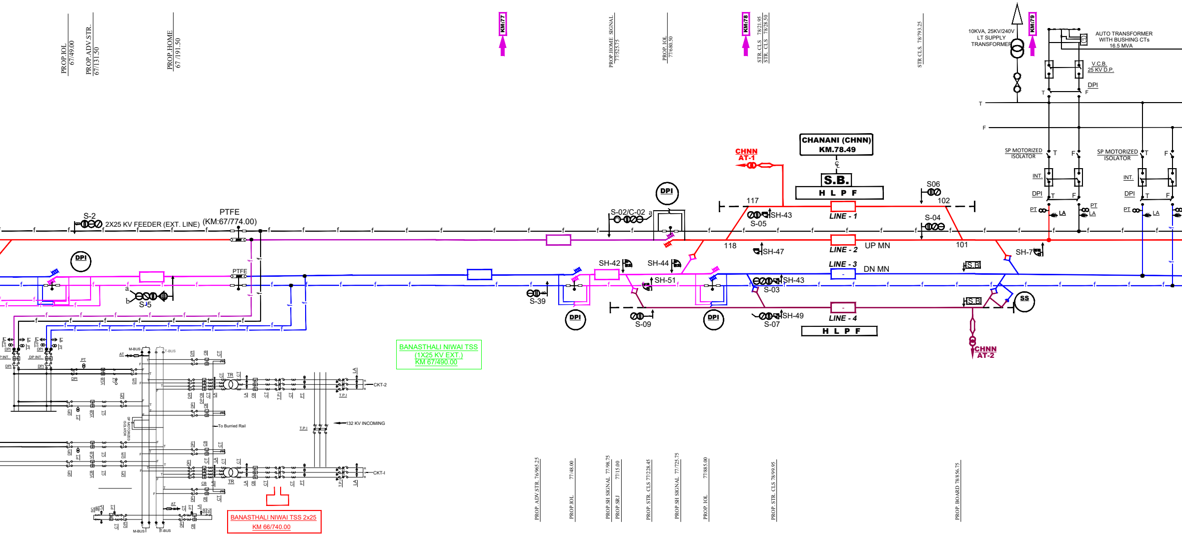

CUT CONNECTION
29/752.855
KM:38
PROP.HOME SIGNAL
38/488.85
PROP.ADV STR CLS
38/548.85
PROP.IOL 38/679.50
PROP.SH SIGNAL
38/668.85
PROP.SRJ 38/685.10
PROP.IOL 38/739.00
PROP.SH SIGNAL
38/789.25
PROP. STR CLS
37/931.75
PROP. STR CLS
39/71.95
PROP. STR CLS
39/116.25
PROP. SH SIGNAL
39/126.25
SURELI (SURL)
KM.31.03
S. B.
R L P F
S-02
ISA
AT-1
SH-46
117
TWS SIDING
DP MOTORIZED
ISOLATOR
S-05
SH-45
118
SH-47
PROPOSED LINE
UP MN LINE
DN MN LINE
PROPOSED LINE
DP MOTORIZED
ISOLATOR
SH-42
119
S-39
SH-44
S-03
TTM SID.
S-07
SH-49
SS
S-09
SH-51
ISA
AT-2
CUT CONNECTION
29/356.45
LA
PT
DPI
INT.
F
T
SP MOTORIZED
ISOLATOR
25 KV D.P.
V.C.B.
16.5 MVA
AUTO TRANSFORMER
WITH BUSHING CTs
10KVA, 25KV/240V
LT SUPPLY
TRANSFORMER
ISA/SSP 2x25
KM:38/625.00
To Rail

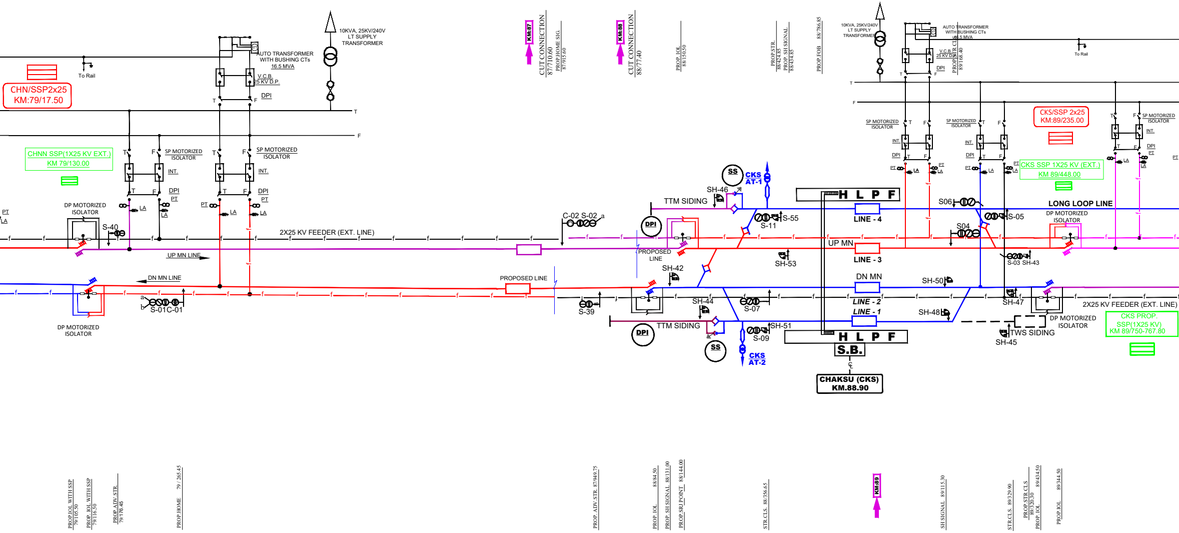


FOB 39/612.50
PROP. STR CLS 39/874.24
KM:40
IOL 40/151.00
PROP.ADV STR CLS 40/496.14
10KVA, 25KV/240V LT SUPPLY TRANSFORMER
AUTO TRANSFORMER WITH BUSHING CTs 16.5 MVA
V.C.B. 25 KV D.P.
DPI
T
F
To Rail
SP MOTORIZED ISOLATOR
INT.
PT
LA
SRAS/SSP 2x25 KM:49/30.00
DP MOTORIZED ISOLATOR
SRAS AT-1
KM:50
PROP. STR CLS 50/27.75
ISARDA(ISA) KM.39.68
S.B.
H L P F
LINE - 1
S06
102
ISA SSP(1x25 KV. EXT.) KM 40/150.00
DPI
S04
S-40
LINE - 2
UP MN
101
SH-48
SH-41
UP MN LINE
DN MN LINE
S-02
SH-42
SH-43
S07
LINE - 4
LINE - 3
SH-46
LINE - 2
DN MN
DN MN
S08
SH-50
SS
S-01 C-01
S-39
S03
LINE - 4
LINE - 1
SH-44
SH-52
S10
SH-43
SS
DPI
BALLAST SIDING
GOODS PF
GOODS LINE
DP MOTORIZED ISOLATOR
S05
SRAS AT-2
S.B.
SIRAS (SRAS) KM.49.94
PROP. FOB 49/673.50
PROP. STR CLS 39/861.29
PROP. SH SIGNAL 39/978.25
PROP. SH SIGNAL 40/143.99
PROP.IOL 40/261.50
PROP. SH SIGNAL 40/376.14
PROP.HOME SIGNAL 40/556.13
KM:48
PROP.HOME SIGNAL 48/778.05
PROP.ADV STR CLS 48/838.05
PROP. IOL 48/908.55
PROP.SH SIGNAL 48/958.05
PROP. IOL 49/64.50
PROP. STR CLS 49/255.90
PROP. STR CLS 49/225.95
PROP. SH SIGNAL 50/17.75

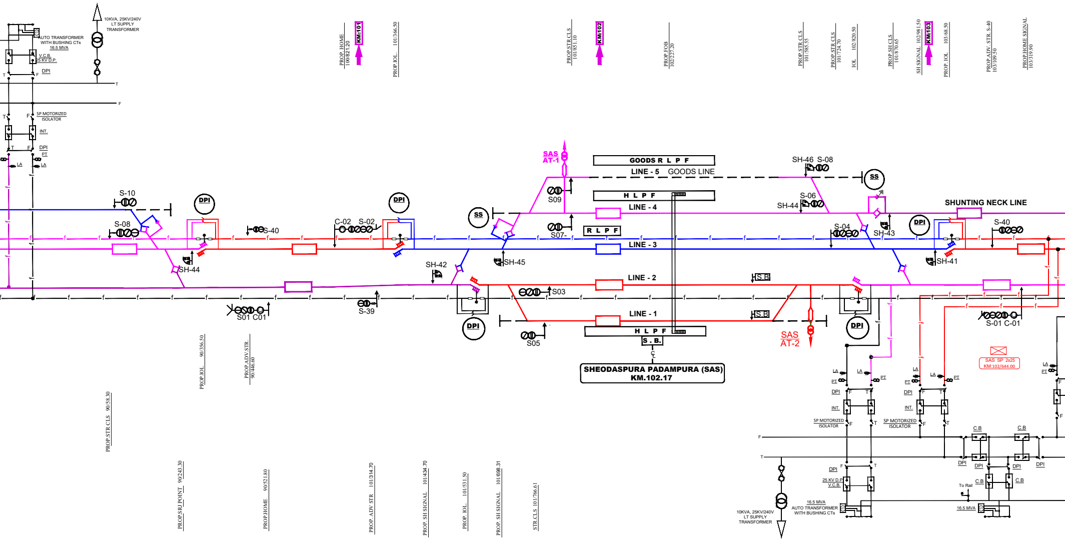

IOL 50/685.35
PROP.ADV STR CLS 50/805.35
KM:64
PROP.HOME 64/577.40
PROP.SRJ 64/773.65
PROP.IOL 64/907.50
KM:65
STR.S-39 65/81.50
STR.S-37 65/84.60
PROP.FOB 65/603.75
STR.S-14 65/809.50
STR.S-12 65/811.50
KM:66
STR.S- 66/--
IOL 66/163.50
KM:67
BANASTHALI NIWAI (BNLW)
KM.65.49
65
08
SS
1001
X-1001
ENGG. SIDING
201
S.B.
BNLW
AT-1
H L P F
S/SH-14
DPI
SRAS PROP.SSP(1X25 KV)
KM 50/760.0-780.0
S40
S-46
a
b
S/SH-37
LINE - 1
S/SH-12
UP MN
LINE - 2
SH-7
SH-41
SH-44
S/SH-39
LINE - 3
DN MN
S/SH-
S01/C01
S-49
S/SH/--
LINE - 4
S/SH-
GOODS LINE
TTM SIDDING
GOODS PF
H L P F
SS
BNLW
AT-2
SRAS SSP
(DISMANTLED 1X25KV EXT.)
KM 50/240.00
f
PROP. IOL 50/452.00
PROP. SRJ 50/669.10
PROP.HOME SIGNAL 50/865.35
PROP.ADV STR. S-49 64/637.40
PROP.IOL 64/679.50
PROP.STR CLS 65/120.40
STR.S- 66/865.95

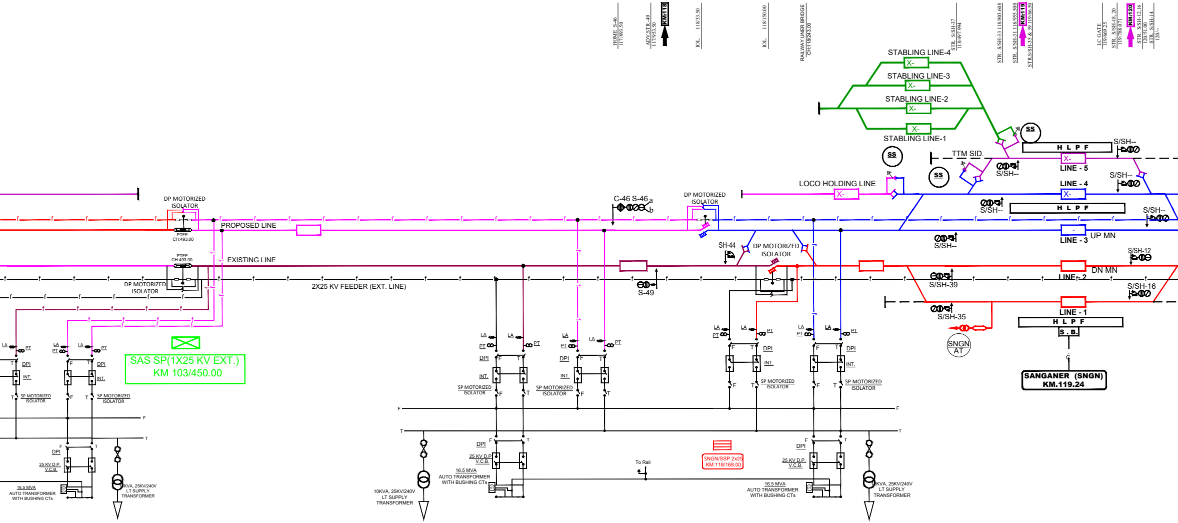
[redacted]


PROP.IOL 67/49.00
PROP.ADV.STR. 67/131.50
PROP.HOME 67 /191.50
KM:77
PROP.HOME SIGNAL 77/525.75
PROP. IOL 77/680.50
KM:78
STR. CLS 78/21.95
STR. CLS 78/28.50
STR CLS. 78/793.25
10KVA, 25KV/240V LT SUPPLY TRANSFORMER
KM:79
AUTO TRANSFORMER WITH BUSHING CTs 16.5 MVA
V.C.B. 25 KV D.P.
DPI
T
F
SP MOTORIZED ISOLATOR
INT.
PT
LA
CHANANI (CHNN) KM.78.49
S.B.
H L P F
CHNN AT-1
117
118
102
101
S06
S-04
S-02/C-02
a
SH-43
S-05
SH-47
LINE - 1
LINE - 2
UP MN
LINE - 3
DN MN
LINE - 4
SH-7
S.B
SS
CHNN AT-2
SH-42
SH-44
SH-51
S-03
SH-49
S-07
S-09
S-39
DPI
S-2
2X25 KV FEEDER (EXT. LINE)
PTFE
(KM:67/774.00)
PTFE
a
b
S-5
f
BANASTHALI NIWAI TSS (1X25 KV EXT.) KM 67/490.00
M-BUS
T-BUS
AT
DP INT.
VCB
CT
CB
TR
T.P.I
DP MOTORIZED ISOLATOR
To Burried Rail
132 KV INCOMING
CKT-2
CKT-I
R
Y
B
SC
SR
BANASTHALI NIWAI TSS 2x25 KM 66/740.00
PROP. ADV.STR. 76/965.25
PROP.IOL 77/48.00
PROP.SH SIGNAL 77/98.75
PROP.SRJ 77/15.00
PROP. STR. CLS 77/228.45
PROP.SH SIGNAL 77/725.75
PROP. IOL 77/885.00
PROP. STR. CLS 78/99.95
PROP. BOARD 78/856.75

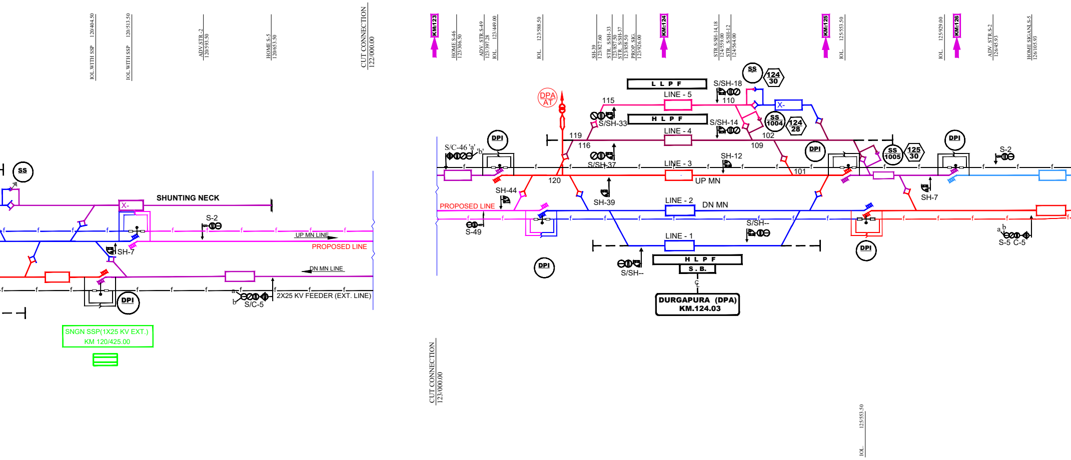


CHN/SSP2x25
KM:79/17.50
To Rail
AUTO TRANSFORMER
WITH BUSHING CTs
16.5 MVA
10KVA, 25KV/240V
LT SUPPLY
TRANSFORMER
V.C.B.
25 KV D.P.
DPI
T
F
CHNN SSP(1X25 KV EXT.)
KM 79/130.00
SP MOTORIZED
ISOLATOR
INT.
DPI
PT
LA
DP MOTORIZED
ISOLATOR
S-40
2X25 KV FEEDER (EXT. LINE)
UP MN LINE
DN MN LINE
S-01C-01
a
b
DP MOTORIZED
ISOLATOR
PROPOSED LINE
C-02 S-02
a
S-39
KM:87
CUT CONNECTION
87/710.60
PROP.HOME SIG.
87/915.60
KM:88
CUT CONNECTION
88/77.40
PROP. IOL
88/150.50
PROP.STR.
88/424.85
PROP. SH SIGNAL
88/434.85
PROP.FOB 88/786.85
DPI
PROPOSED
LINE
TTM SIDING
SH-46
SS
CKS
AT-1
S-55
S-11
SH-42
SH-53
SH-44
S-07
DPI
TTM SIDING
SS
SH-51
S-09
CKS
AT-2
H L P F
LINE - 4
UP MN
LINE - 3
DN MN
LINE - 2
LINE - 1
H L P F
S.B.
℄
CHAKSU (CKS)
KM.88.90
PROP STR CLS
89/168.40
SP MOTORIZED
ISOLATOR
CKS/SSP 2x25
KM:89/235.00
CKS SSP 1X25 KV (EXT.)
KM 89/448.00
S06
S04
S-05
S-03 SH-43
LONG LOOP LINE
DP MOTORIZED
ISOLATOR
SH-50
SH-47
SH-48
TWS SIDING
SH-45
DP MOTORIZED
ISOLATOR
2X25 KV FEEDER (EXT. LINE)
CKS PROP.
SSP(1X25 KV)
KM 89/750-767.80
f
PROP.IOL WITH SSP
79/105.50
PROP. IOL WITH SSP
79/116.50
PROP.ADV.STR.
79/176.45
PROP.HOME 79 / 265.45
PROP. ADV.STR. 87/949.75
PROP. IOL 88/84.50
PROP. SH SIGNAL 88/131.00
PROP.SRJ POINT 88/144.00
STR.CLS. 88/356.65
KM:89
SH SIGNAL 89/115.30
STR.CLS. 89/329.90
PROP.STR CLS
89/320.30
PROP. IOL 89/434.50
PROP.IOL 89/344.50

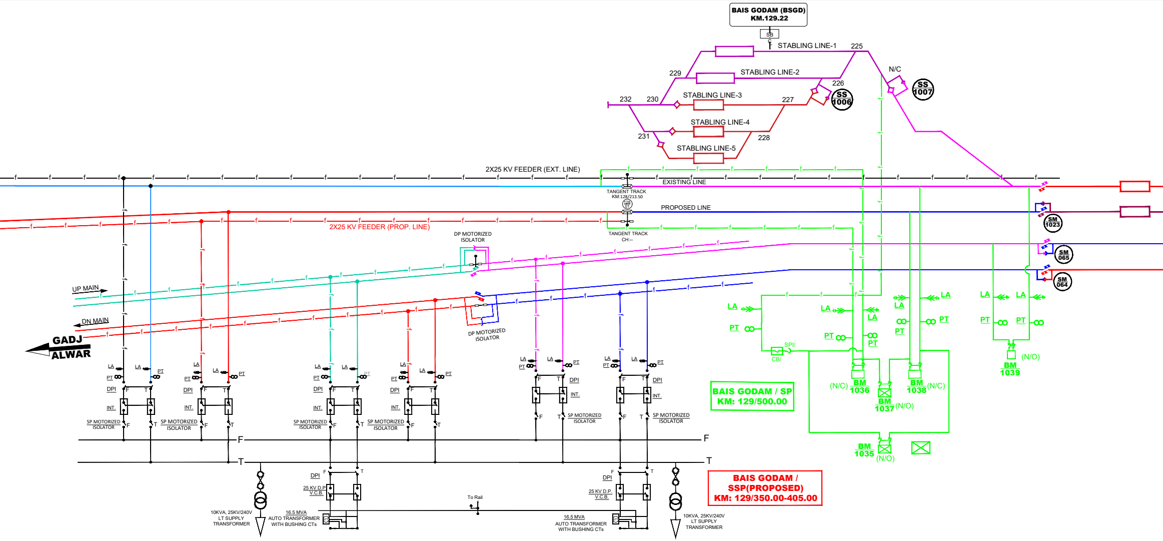

10KVA, 25KV/240V LT SUPPLY TRANSFORMER
AUTO TRANSFORMER WITH BUSHING CTs
16.5 MVA
V.C.B.
25 KV D.P.
DPI
T
F
SP MOTORIZED ISOLATOR
INT.
PT
LA
PROP. HOME 100/821.20
KM:101
PROP.IOL. 101/366.50
PROP.STR CLS 101/851.10
KM:102
PROP.FOB 102/227.20
PROP.STR CLS 101/585.55
PROP.STR CLS 101/724.70
IOL 102/820.50
PROP.SH CLS 101/870.65
SH SIGNAL 102/981.50
KM:103
PROP. IOL 103/68.50
PROP.ADV. STR. S-40 103/109.50
PROP.HOME SIGNAL 103/319.90
SAS AT-1
GOODS R L P F
LINE - 5 GOODS LINE
SH-46 S-08
SS
H L P F
S09
LINE - 4
SH-44
S-06
SHUNTING NECK LINE
S-10
DPI
S-08
S-40
C-02 S-02
SS
S07-
R L P F
S-04
SH-43
LINE - 3
SH-44
SH-42
SH-45
SH-41
LINE - 2
S.B
S03
S01 C01
S-39
LINE - 1
S.B
H L P F
S. B.
S05
SAS AT-2
S-01 C-01
SAS SP 2x25 KM:102/644.00
SHEODASPURA PADAMPURA (SAS) KM.102.17
PROP.STR CLS 90/58.30
PROP.IOL 90/356.50
PROP.ADV.STR. 90/446.60
PROP.SRJ POINT 90/243.30
PROP.HOME 90/521.80
PROP. ADV STR 101/314.70
PROP. SH SIGNAL 101/434.70
PROP. IOL. 101/531.50
PROP. SH SIGNAL 101/698.31
STR.CLS 101/766.61
C.B
To Rail
16.5 MVA
25 KV D.P
V.C.B.

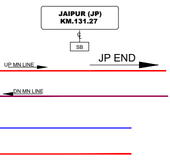


HOME S-46
117/893.50
ADV.STR -49
117/953.50
KM:118
IOL. 118/33.50
IOL. 118/150.00
RAILWAY UNER BRIDGE
CH:118/243.00
STR. S/SH-37
118/497.994
STR. S/SH-33 118/803.608
STR. S/SH-31 118/955.500
KM:119
STR.S/SH-35 & 39 119/66.50
LC GATE
119/669.25
STR. S/SH-18, 20
119/788.071
KM:120
STR. S/SH-12,16
120/51.00
STR. S/SH-14
120/--
STABLING LINE-4
STABLING LINE-3
STABLING LINE-2
STABLING LINE-1
X-
SS
H L P F
S/SH--
TTM SID.
LINE - 5
LINE - 4
LOCO HOLDING LINE
LINE - 3
UP MN
S/SH-12
DN MN
LINE - 2
S/SH-39
S/SH-16
LINE - 1
S/SH-35
SNGN
AT
S . B.
SANGANER (SNGN)
KM.119.24
DP MOTORIZED
ISOLATOR
PTFE
CH:493.00
PROPOSED LINE
EXISTING LINE
2X25 KV FEEDER (EXT. LINE)
C-46 S-46
a
b
S-49
SH-44
f
LA
PT
DPI
INT.
SP MOTORIZED
ISOLATOR
F
T
SAS SP(1X25 KV EXT.)
KM 103/450.00
25 KV D.P.
V.C.B.
16.5 MVA
AUTO TRANSFORMER
WITH BUSHING CTs
10KVA, 25KV/240V
LT SUPPLY
TRANSFORMER
To Rail
SNGN/SSP 2x25
KM:118/168.00



IOL WITH SSP 120/404.50
IOL WITH SSP 120/513.50
ADV STR-2 120/593.50
HOME S-5 120/653.50
CUT CONNECTION 122/000.00
KM:123
HOME S-46 123/306.50
ADV. STR.S-49 123/397.28
IOL. 123/449.00
IOL. 123/588.50
SH-39 123/827.60
STR. S/SH-33 123/857.50
STR. S/SH-37 123/858.50
PROP. SIG. 123/926.00
KM:124
STR.S/SH-14,18 124/559.00
STR. S/SH-12 124/564.00
KM:125
IOL. 125/553.50
IOL. 125/929.00
KM:126
ADV. STR S-2 126/45.93
HOME SIGANL S-5 126/105.93
SS
SHUNTING NECK
X-
S-2
SH-7
UP MN LINE
PROPOSED LINE
DN MN LINE
DPI
S/C-5
a
b
2X25 KV FEEDER (EXT. LINE)
SNGN SSP(1X25 KV EXT.)
KM 120/425.00
DPA AT
L L P F
LINE - 5
115
110
S/SH-18
SS
124 30
S/SH-33
H L P F
S/SH-14
SS 1004
124 28
LINE - 4
119
116
102
109
DPI
S/C-46 'a' 'b'
S/SH-37
LINE - 3
SH-12
101
SS 1005
125 30
S-2
SH-44
120
UP MN
SH-39
SH-7
PROPOSED LINE
LINE - 2
DN MN
S-49
S/SH--
LINE - 1
S-5 C-5
H L P F
S. B.
C
DURGAPURA (DPA)
KM.124.03
CUT CONNECTION 123/000.00
IOL. 125/553.50


BAIS GODAM (BSGD)
KM.129.22
SB
STABLING LINE-1
225
STABLING LINE-2
229
226
N/C
SS 1007
SS 1006
232
230
STABLING LINE-3
227
STABLING LINE-4
231
228
STABLING LINE-5
2X25 KV FEEDER (EXT. LINE)
EXISTING LINE
TANGENT TRACK
KM:128/213.50
128 01
PROPOSED LINE
TANGENT TRACK
CH:--
2X25 KV FEEDER (PROP. LINE)
SM 1023
SM 065
SM 064
DP MOTORIZED ISOLATOR
UP MAIN
DN MAIN
DP MOTORIZED ISOLATOR
GADJ
ALWAR
LA
PT
DPI
INT.
SP MOTORIZED ISOLATOR
F
T
f
25 KV D.P. V.C.B.
10KVA, 25KV/240V LT SUPPLY TRANSFORMER
16.5 MVA AUTO TRANSFORMER WITH BUSHING CTs
To Rail
SPI/
CB/
BM 1036
(N/C)
BM 1037
(N/O)
BM 1038
(N/C)
BM 1039
(N/O)
BM 1035
(N/O)
BAIS GODAM / SP
KM: 129/500.00
BAIS GODAM / SSP(PROPOSED)
KM: 129/350.00-405.00


JAIPUR (JP)
KM.131.27
℄
SB
UP MN LINE
JP END
DN MN LINE

LEGEND

SL. No.	DESCRIPTION	SYMBOL
1.	SECTION INSULATOR.	
2.	SINGLE POLE ISOLATOR MANUALLY OPERATED.	
3.	SINGLE POLE ISOLATOR	
4.	DOUBLE POLE ISOLATOR(DPI)	
5.	TRIPLE POLE ISOLATOR(TPI)	
6.	132 KV TRIPLE POLE ISOLATOR WITH EAERTH BLADE	
7.	CUT-IN INSULATOR / TERMINATION INSULATOR.	
8.	WIRED TRACK	
9.	TRAMWAY OHE	
10.	2X25 KV FEEDER.	— f — f —
11.	SECTIONING AND PARALLELING POST.	SP
12.	SUB-SECTONING AND PARALLELING POST.	SSP
13.	FEEDING POST AND SUB-STATION.	FP
14.	INSULATED OVERLAP.	
15.	INSULATED OVERLAP WITH ISOLATOR	
16.	UN - WIRED TRACK.	
17.	25 KN DP INTERRUPTOR	
18.	INTERRUPTOR	
19.	AUXILIARY TRANSFORMER	
20.	PTFE NEUTRAL SECTION	
21.	POTENTIAL.TRANSFORMER	
22.	LIGHTNING ARRESTER	
23.	BY PASS ISOLATOR (NORMALLY OPEN)	SF
24.	OHE MAST	
25.	SERIES REACTOR	
26.	CURRENT TRANSFORMER(CT)	
27.	SHUNT CAPACITOR	
28.	EARTH	
29.	DOUBLE POLE CIRCUIT BRAKER	DPCB
30.	TRACTION TRANSFORMER	

G S ENTERPRISES
S-182 NARAYAN VIHAR MANSROVER
JAIPUR

SECTION-JP-SWM

DRG NO- JP-SWM/SECTIONING / 01

NOTES:-

1) ALL CHAINAGES ARE WITH RESPECT TO KM STONE.
2) CHAINAGES OF SP,SSP,& FP&TSS WILL BE FINALISED AS PER SITE FEASIBILITY
3) DISMANTLED SP/SSP/TSS SHOWN IN GREEN COLOUR
4) 2X25 FEEDER SHOWN IN BLACK COLOUR EXISTING LINE &WORK SCOPE NWR PROJECT
5) BAIS GODAM SSP WORK SCOPE NWR PROJECT

SECTIONING
DIAGRAM
FOR
SAWAIMADHOPUR(EXCL.)
JAIPUR (EXCL.)

ON 2X25 KV SUPPLY SYSTEM OF
JAIPUR DIVISION

DESIGNATION	SIGNATURE
CEDE/WCR	
CEDE/NWR	
CEE/C/JP	
DY. CEE/TRD/HQ/NWR	
Sr.DEE/TRD/KOTA	
Sr.DEE/TRD/JP	
DY. CEE/PROJECT/JP	
DY.CEE/C-II/JP	
DEE/C/JP	
For GS ENTERPRISES	

SSE/C/JP	SSE/DRG./C/JP

NORTH WESTERN RAILWAY

RAILWAY CONSTRUCTION

MOD	DATE	NATURE OF MOD.	SIG.		DATE	NAME	
				DRN	22-06-2026	B.L. SAINI	G S ENTERPRISES
				CKD	22-06-2026	MS JAKHAR	SCALE : N T S