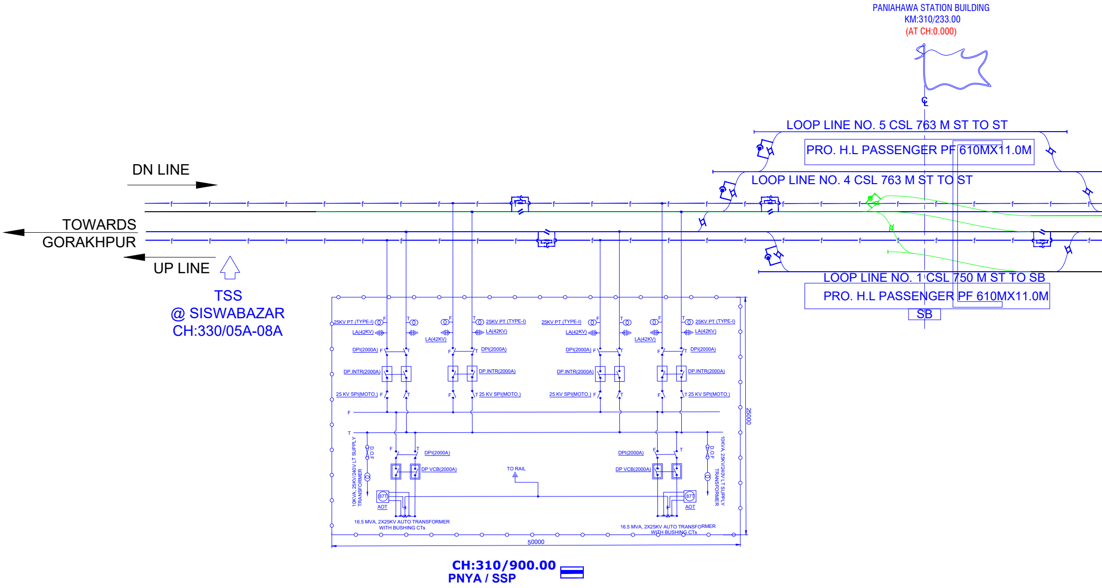
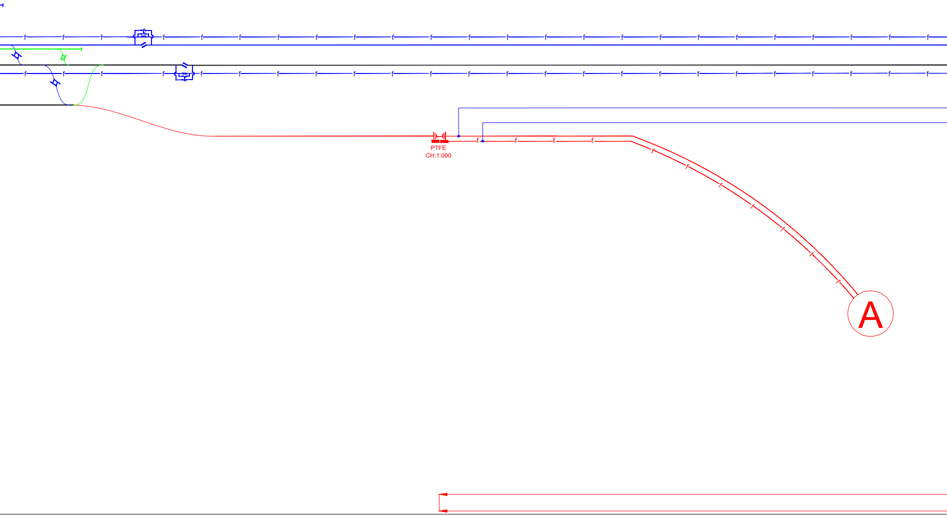
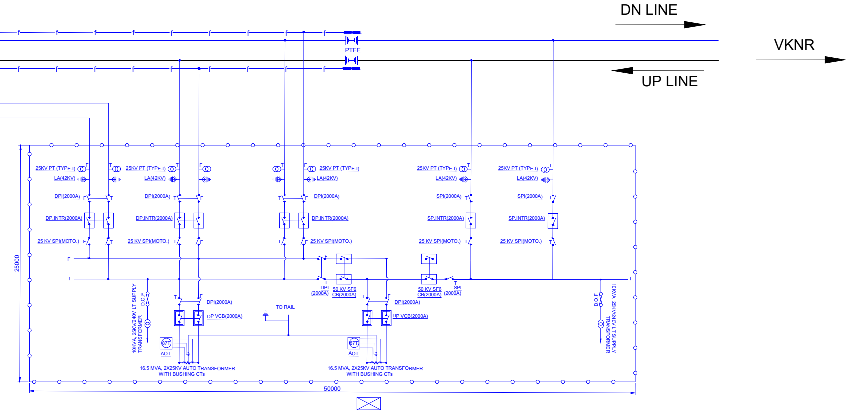
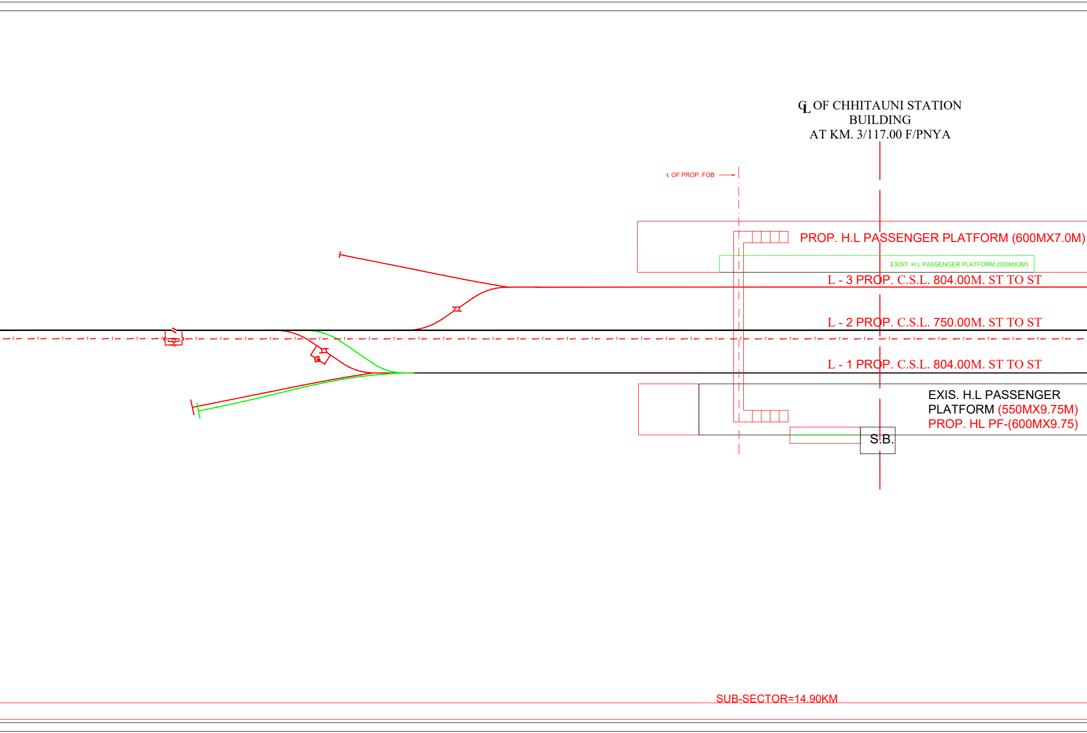

PANIAHAWA STATION BUILDING
KM:310/233.00
(AT CH:0.000)
℄
LOOP LINE NO. 5 CSL 763 M ST TO ST
PRO. H.L PASSENGER PF 610MX11.0M
LOOP LINE NO. 4 CSL 763 M ST TO ST
DN LINE
TOWARDS
GORAKHPUR
UP LINE
LOOP LINE NO. 1 CSL 750 M ST TO SB
PRO. H.L PASSENGER PF 610MX11.0M
SB
TSS
@ SISWABAZAR
CH:330/05A-08A
25KV PT (TYPE-I)
LA(42KV)
DPI(2000A)
DP.INTR(2000A)
25 KV SPI(MOTO.)
F
T
10KVA, 25KV/240V LT SUPPLY TRANSFORMER
D.O.F
DP VCB(2000A)
87T
AOT
TO RAIL
16.5 MVA, 2X25KV AUTO TRANSFORMER WITH BUSHING CTs
25000
50000
CH:310/900.00
PNYA / SSP

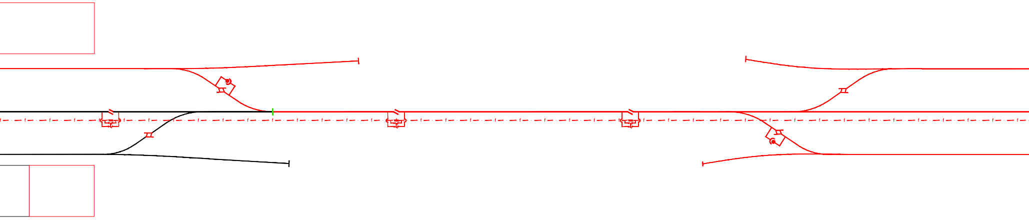
Signature Not Verified
Digitally signed by PANKAJ PANDEY
Date: 2025.08.12 12:09:31 IST
Reason: IREPS-CRIS
Location: New Delhi


PTFE
CH:1.000
A

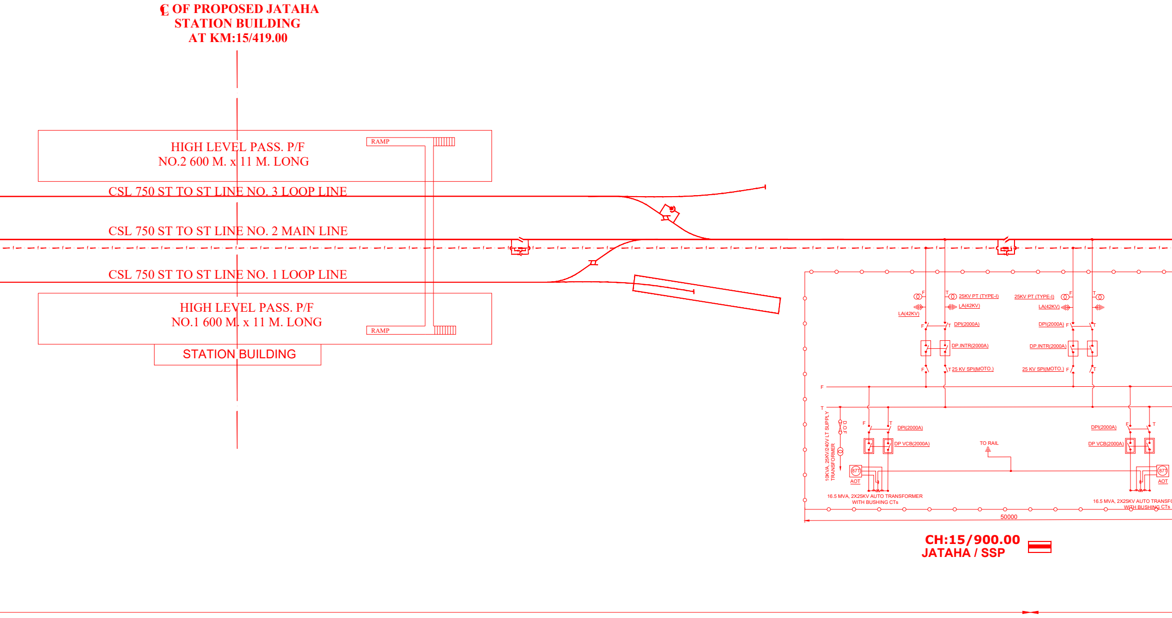

DN LINE
PTFE
VKNR
UP LINE
25KV PT (TYPE-I)
LA(42KV)
DPI(2000A)
DP.INTR(2000A)
25 KV SPI(MOTO.)
25KV PT (TYPE-I)
LA(42KV)
DPI(2000A)
DP.INTR(2000A)
25 KV SPI(MOTO.)
25KV PT (TYPE-I)
LA(42KV)
DPI(2000A)
DP.INTR(2000A)
25 KV SPI(MOTO.)
25KV PT (TYPE-I)
LA(42KV)
SPI(2000A)
SP.INTR(2000A)
25 KV SPI(MOTO.)
25KV PT (TYPE-I)
LA(42KV)
SPI(2000A)
SP.INTR(2000A)
25 KV SPI(MOTO.)
F
T
25000
10KVA, 25KV/240V LT SUPPLY TRANSFORMER
D.O.F
DPI(2000A)
DP VCB(2000A)
87T
AOT
16.5 MVA, 2X25KV AUTO TRANSFORMER WITH BUSHING CTs
TO RAIL
DPI (2000A)
50 KV SF6 CB(2000A)
DPI(2000A)
DP VCB(2000A)
87T
AOT
16.5 MVA, 2X25KV AUTO TRANSFORMER WITH BUSHING CTs
50 KV SF6 CB(2000A)
SPI (2000A)
D.O.F
10KVA, 25KV/240V LT SUPPLY TRANSFORMER
50000

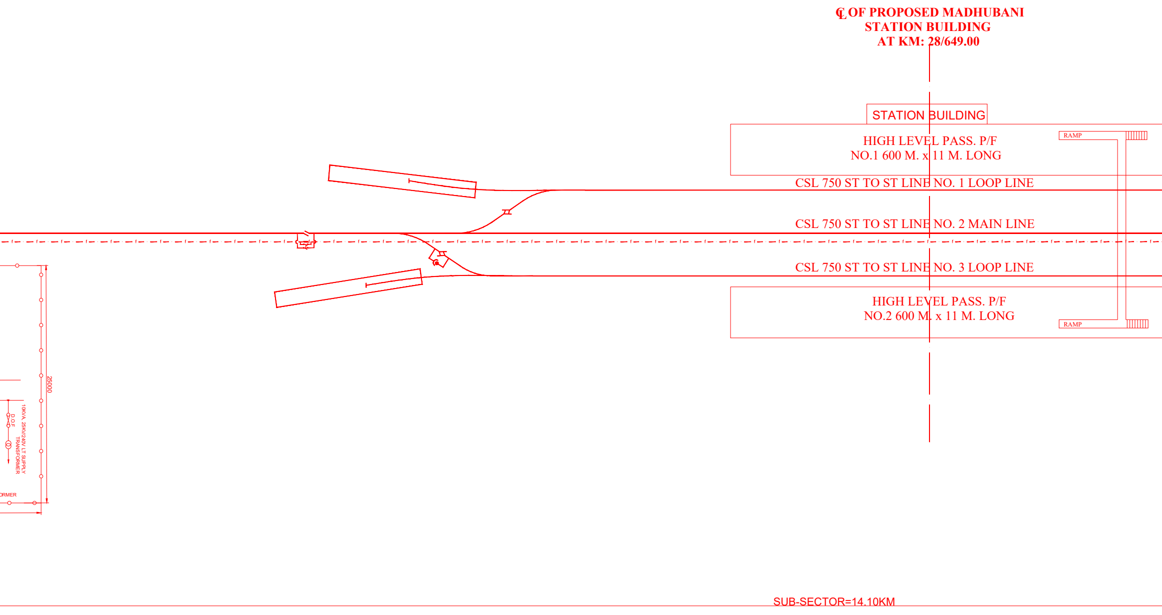
PANIAHAWA
BOUNDARY SP
CH:308/21-23 KM

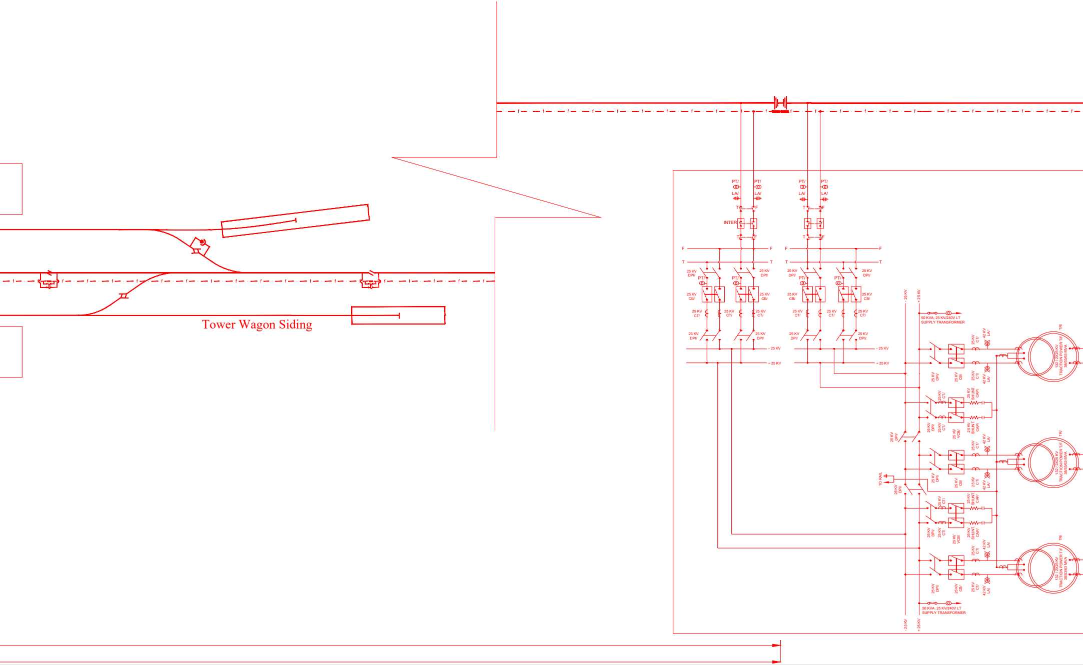

℄ OF CHHITAUNI STATION
BUILDING
AT KM. 3/117.00 F/PNYA
℄ OF PROP. FOB
PROP. H.L PASSENGER PLATFORM (600MX7.0M)
EXIST. H.L PASSENGER PLATFORM (550MX3M)
L - 3 PROP. C.S.L. 804.00M. ST TO ST
L - 2 PROP. C.S.L. 750.00M. ST TO ST
L - 1 PROP. C.S.L. 804.00M. ST TO ST
EXIS. H.L PASSENGER
PLATFORM (550MX9.75M)
PROP. HL PF-(600MX9.75)
S.B.
SUB-SECTOR=14.90KM

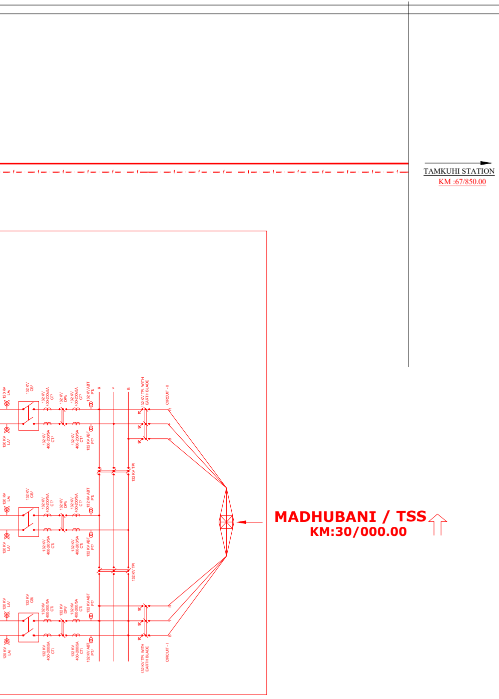


SECTOR=29.00 KM


℄ OF PROPOSED JATAHA
STATION BUILDING
AT KM:15/419.00
HIGH LEVEL PASS. P/F
NO.2 600 M. x 11 M. LONG
RAMP
CSL 750 ST TO ST LINE NO. 3 LOOP LINE
CSL 750 ST TO ST LINE NO. 2 MAIN LINE
CSL 750 ST TO ST LINE NO. 1 LOOP LINE
HIGH LEVEL PASS. P/F
NO.1 600 M. x 11 M. LONG
RAMP
STATION BUILDING
F
T
25KV PT (TYPE-I)
LA(42KV)
LA(42KV)
DPI(2000A)
DP.INTR(2000A)
25 KV SPI(MOTO.)
25KV PT (TYPE-I)
LA(42KV)
DPI(2000A)
DP.INTR(2000A)
25 KV SPI(MOTO.)
10KVA, 25KV/240V LT SUPPLY TRANSFORMER
D.O.F
DPI(2000A)
DP VCB(2000A)
87T
AOT
TO RAIL
DPI(2000A)
DP VCB(2000A)
87T
AOT
16.5 MVA, 2X25KV AUTO TRANSFORMER
WITH BUSHING CTs
16.5 MVA, 2X25KV AUTO TRANSF
WITH BUSHING CTs
50000
CH:15/900.00
JATAHA / SSP

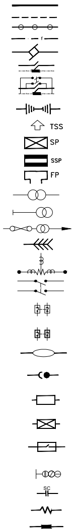

₵ OF PROPOSED MADHUBANI
STATION BUILDING
AT KM: 28/649.00
STATION BUILDING
HIGH LEVEL PASS. P/F
NO.1 600 M. x 11 M. LONG
RAMP
CSL 750 ST TO ST LINE NO. 1 LOOP LINE
CSL 750 ST TO ST LINE NO. 2 MAIN LINE
CSL 750 ST TO ST LINE NO. 3 LOOP LINE
HIGH LEVEL PASS. P/F
NO.2 600 M. x 11 M. LONG
RAMP
25000
10KVA, 25KV/240V LT SUPPLY
TRANSFORMER
D.O.F
ORMER
SUB-SECTOR=14.10KM


Tower Wagon Siding
PT/
LA/
T
F
INTER
25 KV DPI/
25 KV CB/
25 KV CT/
- 25 KV
+ 25 KV
50 KVA, 25 KV/240V LT SUPPLY TRANSFORMER
25 KV VCB/
25 KV SHUNT. CAP/
42 KV LA/
TR/
132 / 2X25 KV TRACTION POWER T/F 38/53/63 MVA
TO RAIL


TAMKUHI STATION
KM :67/850.00
MADHUBANI / TSS
KM:30/000.00
120 KV LA/
132 KV CB/
132 KV 400-200/5A CT/
132 KV DPI/
132 KV ABT PT/
R
Y
B
132 KV TPI WITH EARTH BLADE
CIRCUIT - II
132 KV TPI
CIRCUIT - I

LEGEND

S.No.	DESCRIPTION	SYMBOL
01.	WIRED TRACK	
02.	UNWIRED TRACK	
03.	OHE (TOP WIRING)	
04.	25 KV FEEDER	
05.	SECTION INSULATOR	
06.	INSULATED OVERLAP	
07.	INSULATED OVERLAP WITH DP ISOLATOR	
08.	NEUTRAL SECTION (PTFE TYPE)	
09.	TRACTION SUB-STATION	TSS
10	SECTIONING AND PARALLELING POST	SP
11.	SUB SECTIONING AND PARALLELING POST	SSP
12.	FEEDING POST	FP
13.	POWER TRANSFORMER	
14.	POTENTIAL TRANSFORMER	
15.	L.T. SUPPLY TRANSFORMER WITH D.O. FUSE SWITCH (AT)	
16.	LIGHTNING ARRESTOR	
17.	AUTO TRANSFORMER WITH BUSHING CT	
18.	DOUBLE POLE ISOLATOR	
19.	DOUBLE POLE INTERRUPTOR	
20.	DOUBLE POLE CIRCUIT BREAKER	
21.	ELEMENTARY SECTION	
22.	SINGLE POLE ISOLATOR	
23.	INTERRUPTER (NORMAL)	
24.	INTERRUPTER (PARALELLING/BRIDGING)	
25.	CIRCUIT BREAKER	
26.	COLOUR LIGHT SIGNAL	
27.	SERIES CAPACITOR	SC
28.	SERIES REACTOR	
29.	CUT IN INSULATOR	



LEGEND

i) PROPOSED WORK SHOWN IN RED	🟥
ii) EXISTING WORK SHOWN IN BLACK	⬛
iii) WORK BY OTHER AGENCY SHOWN IN BLUE	🟦
iv) WORK BY OTHER AGENCY SHOWN IN GREEN	🟩

Drg No.- /Sectioning/

aarvee

CHHITAUNI-MADHUBANI
REF.DRG NO :
WIND PRESSURE : 155 KGF/M^2
DATE : 08-07-2025

FOR EPC TENDER ONLY

APPROVED

Dy.CEE/CON	AJAY KUMAR Digitally signed by AJAY KUMAR Date: 2025.07.11 16:48:46 +05'30'		
AEE/CON	PRASHANT KUMAR Digitally signed by PRASHANT KUMAR Date: 2025.07.11 16:06:39 +05'30'		
JE/CON/Drg	ANOOP KUMAR MISHRA Digitally signed by ANOOP KUMAR MISHRA Date: 2025.07.11 14:02:06 +05'30'		

PROPOSED 2X25KV
SECTIONING DIAGRAM
FOR
NEW LINE BETWEEN CHHITAUNI TO MADHUBANI SECTION
OF
NORTH EASTERN RAILWAY

NORTH EASTERN RAILWAY **VARANASI DIVISION**

MOD	DATE	NATURE OF MOD	SIGN
1.			

	DATE	SIGN
DRN		
CKD		
APPD		

IR