## APPROVED SPECIAL INSTRUCTIONS / SPECIAL INSTRUCTIONS

| SNo | NATURE OF APPROVAL | | APPROVAL No (CRS/PCOM) | REF. TO APPROVAL |
|---|---|---|---|---|
| * | | | | |

Eg:

* I. COMBINING TWO SIGNALS UNDER THE PROVISION OF G.R.3.07(7)– CRS APPROVAL

II. TAKING OFF SIGNALS FOR MORE THAN ONE TRAIN AT A TIME IN TERMS OF GR.3.47 – PCOM APPROVAL

III. PLACING OF STOP SIGNAL ON THE RIGHT HAND SIDE OF THE TRACK IN TERMS OF GR.3.04(1) – PCOM APPROVAL etc.

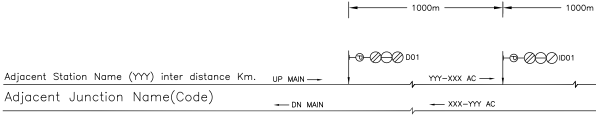
## CONDONATION PARTICULARS OF EXISTING INFRINGING GRADIENTS

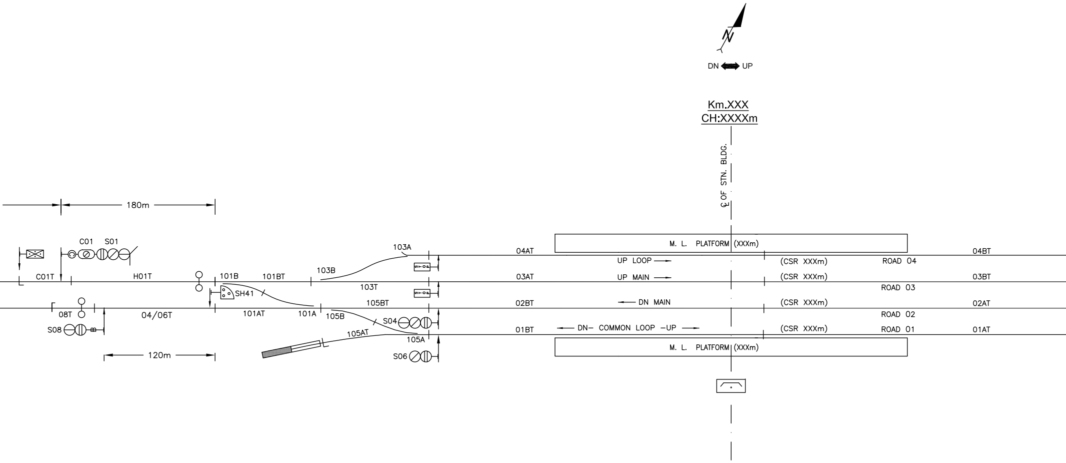
| SNo | LOCATIONS | | | NAME OF STRUCTURE INFRINGING | RAILWAY BOARD / CRS CONDONATION PARTICULARS |
|---|---|---|---|---|---|
| | SECTION | KILOMETERAGE | | | |
| | | FROM | TO | | |
| | | | | | |

## PRODUCTION & CHECKER BLOCK

| COMPANY | | RAILWAYS | |
|---|---|---|---|
| DRAWN | | DRAWN | (SSE/D)* |
| CHECKED | (SD)† | CHECKED | (ASTE)* |
| | (DV)† | | (SSTE)* |
| APPROVED | (CRE)† | APPROVED | (Dy.CSTE)* |
| CRE: CONTRACTOR'S RESPONSIBLE ENGINEER | | | |

* SIGNATURE WITH DATE, † SIGNATURE WITH DATE AND LICENSE No


1000m
1000m
D01
ID01
Adjacent Station Name (YYY) inter distance Km.
UP MAIN
YYY–XXX AC
Adjacent Junction Name(Code)
DN MAIN
XXX–YYY AC


N
DN UP
Km.XXX
CH:XXXXm
℄ OF STN. BLDG.
180m
C01
S01
C01T
H01T
101B
101BT
103B
103A
103T
SH41
105BT
08T
04/06T
101AT
101A
105B
S04
105AT
105A
S08
S06
120m
04AT
03AT
02BT
01BT
M. L. PLATFORM (XXXm)
UP LOOP
UP MAIN
DN MAIN
DN– COMMON LOOP –UP
(CSR XXXm)
(CSR XXXm)
(CSR XXXm)
(CSR XXXm)
ROAD 04
ROAD 03
ROAD 02
ROAD 01
04BT
03BT
02AT
01AT
M. L. PLATFORM (XXXm)

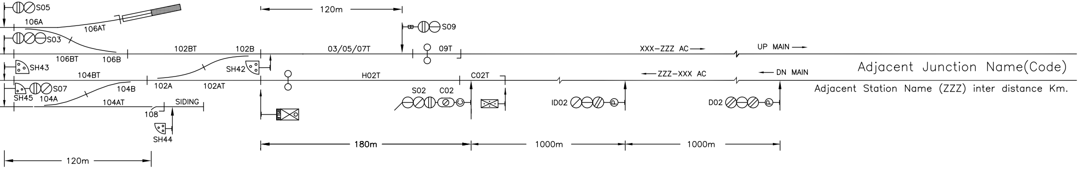
## ASPECT SEQUENCE CHART

UP →

| D01 | ID01 | S01 | S03 | S09 |
|---|---|---|---|---|
| G | G | G | G | G |
|  | YY | Y |  |  |
|  | YY | Yu |  |  |
| YY | Y | R | R | R |

← DN

| S08 | S04 | S02 | ID02 | D02 |
|---|---|---|---|---|
| G | G | G | G | G |
|  |  | Y | YY |  |
|  |  | Yu | YY |  |
| R | R | R | Y | YY |


S05
106A
106AT
S03
106BT
106B
102BT
102B
120m
03/05/07T
S09
09T
XXX-ZZZ AC
UP MAIN
SH43
104BT
SH42
H02T
C02T
ZZZ-XXX AC
DN MAIN
Adjacent Junction Name(Code)
S07
104B
102A
102AT
Adjacent Station Name (ZZZ) inter distance Km.
SH45
104A
104AT
SIDING
S02
C02
ID02
D02
108
SH44
180m
1000m
1000m
120m

# SIGNAL SPECIFIC NOTES — II

5. DETAILS OF MOTOR OPERATED POINTS WITH CRANK HANDLE GROUPING:

| GROUP | POINTS | TYPE OF POINT MACHINE | CH EKT KEPT AT |
|---|---|---|---|
| CH01 | 101 | IRS POINT MACHINE | SM ROOM |
| CH02 | 104,105,108 | IRS POINT MACHINE | SM ROOM |
| CH03 | 103,106 | IRS POINT MACHINE | SM ROOM |
| CH04 | 102 | IRS POINT MACHINE | SM ROOM |

6. DETAILS OF SIGNAL ROUTES HAVING ALTERNATE OVERLAPS

| SIGNAL NO. | LEADING TO | DETAILS OF OVERLAP |
|---|---|---|
| S01 | ROAD 1 | SET TO SIDING WHEN POINT 104 NORMAL |
| | | SET TO LSS S09 WHEN POINT 104 REVERSE |
| S01 | ROAD 4 | SET TO SANDHUMP WHEN POINT 106 NORMAL |
| | | SET TO LSS S09 WHEN POINT 106 REVERSE |
| S02 | ROAD 1 | SET TO SANDHUMP WHEN POINT 105 NORMAL |
| | | SET TO LSS S08 WHEN POINT 105 REVERSE |

# SIGNAL SPECIFIC NOTES — I

1. NUMBER GRID:

| FUNCTIONS | LOCATION or DIRECTION | RANGE | SPARES |
|---|---|---|---|
| SIGNAL | LEFT TO RIGHT | 01–39 (ODD NUMBERS) | 11 to 39 |
| | RIGHT TO LEFT | 02–40 (EVEN NUMBERS) | 10 to 40 |
| SHUNT SIGNAL | LEFT TO RIGHT | 41–99 (ODD NUMBERS) | 47 to 99 |
| | RIGHT TO LEFT | 42–98 (EVEN NUMBERS) | 46 to 98 |
| POINTS | LEFT HALF | 101–199 (ODD NUMBERS) | 107 to 199 |
| | RIGHT HALF | 102–198 (EVEN NUMBERS) | 110 to 198 |
| KEY LOCK SIDING POINTS | LEFT HALF | 201–299 (ODD NUMBERS) | 201 to 299 |
| | RIGHT HALF | 202–298 (EVEN NUMBERS) | 202 to 298 |
| LC GATE | LEFT HALF | 301–399 (ODD NUMBERS) | 301 to 399 |
| | RIGHT HALF | 302–398 (EVEN NUMBERS) | 302 to 398 |

2. BLOCK WORKING:

| SECTION | TYPE OF BLOCK WORKING | BLOCK INSTRUMENT TYPE | BPAC | REMARKS IF ANY |
|---|---|---|---|---|
| YYY–XXX SEC | ABSOLUTE BLOCK | DL | SSDAC | LOCATED AT SM ROOM |
| XXX–ZZZ SEC | ABSOLUTE BLOCK | DL | SSDAC | LOCATED AT SM ROOM |

3. DETAILS OF TRACK CIRCUITS:

| TRACK CIRCUIT NOS. | TYPE OF TRACK CIRCUITS | REMARKS IF ANY |
|---|---|---|
| C01T, H01T, 08T, 04/06T, 101AT, 101BT, 103T, 105AT, 105BT, 01AT, 01BT, 02AT, 02BT, 03AT, 03BT, 04AT, 04BT, 104AT, 104BT, 106AT, 106BT, 102AT, 102BT, 03/05/07T, 09T, H02T, C02T. | DC SINGLE RAIL TRACK CIRCUIT | BERTHING TRACKS WITH QBAT |

4. DETAILS OF AXLE COUNTERS:

| AXLE COUNTER SECTION | TYPE OF AXLE COUNTER | TYPE OF RESETTING | LOCATION OF RESETTING BOX | LOCATION OF RESETTING BOX CO OPERATION PLUNGER/LV BOX |
|---|---|---|---|---|
| SECTION YYY–XXX(UP) | SSDAC | PREPARATORY | AT STATION YYY | AT STATION XXX |
| SECTION XXX–YYY(DOWN) | SSDAC | PREPARATORY | AT STATION XXX | AT STATION YYY |
| SECTION XXX–ZZZ(UP) | SSDAC | PREPARATORY | AT STATION XXX | AT STATION ZZZ |
| SECTION ZZZ–XXX(DOWN) | SSDAC | PREPARATORY | AT STATION ZZZ | AT STATION XXX |

1.
2.
3.
4.
5.
6.
7.
8.
9.
10
11
12.
13.
14.
15.
16.
17.
18.
19.
20
21
22
23

## GENERAL NOTES

THIS PLAN IS BASED ON SIGNAL INTERLOCKING PLAN NO : . . . . . . . . . . . . . . . . . . . . .

THIS PLAN IS BASED ON ENGINEERING SCALE PLAN (ESP) NO: . . . . . . . . . . . . . . . . . .

THIS PLAN SUPERSEDES SIP/SSP NO: . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

THE SITE SURVEY IS CARRIED OUT TO CORRELATE THE BASE RECORDS. THE SURVEY REMARKS ARE RECORDED IN . . . . . . . . . . . . . . . . . . . .

THIS STATION IS LOCATED IN 25 KV AC ELECTRIFIED SECTION.

ALL THE STOP SIGNALS ARE LOCATED CLEAR OFF NEUTRAL SECTION.

THE NEW SIGNAL POSITIONS HAVE BEEN AMENDED TO SUIT SIGNAL SIGHTING COMMITTEE REPORT.

SYSTEM OF WORKING IS ABSOLUTE BLOCK SYSTEM.

ALL THE WORKS ARE CARRIED OUT AS PER THE PROVISIONS IN THE SEM. G&SR AND OTHER POLICY LETTERS.

THE NEW EQUIPMENT IS PLACED AS PER SITE SURVEY.

RECORD OF DESIGN DECISIONS ARE DETAILED IN SCHEME PLAN DESIGN LOG: . . . . . . . . . .

FOULING POINTS ARE REQUIRED TO BE MEASURED ON SITE.

SIGNAL AND SIGNAGES ARE IN ACCORDANCE WITH G&SR AND SEM.

THE CROSS OVER POINTS ARE OPERATED BY PARALLEL OPERATION.

POINT ZONE TELEPHONES (PTZ) ARE PROVIDED AT TOP POINTS.

NON-STANDARD SYMBOLS USED ON THIS PLAN ARE . . . . . . . . . . . . . . . . . . .

LIST OF ASSUMPTION BEING MADE WHILE SCHEME PLAN WAS IN PRODUCTION ARE

(i) . . . . . . . . . . . . . . . . . . . . . . . . . . .
(ii) . . . . . . . . . . . . . . . . . . . . . . . . . . .

SCHEME PLAN SPECIFIC ISSUES WHICH ARE STILL TO BE RESOLVED

(i) . . . . . . . . . . . . . . . . . . . . . . . . . . .
(ii) . . . . . . . . . . . . . . . . . . . . . . . . . . .

TYPE OF INTERLOCKING : CENTRALISED ELECTRONIC INTERLOCKING.

REFER INTERLOCKING CONTROL CHART FOR DETAILS OF ALL SIGNAL ROUTES.

COMPLETION DETAILS TO BE INCORPORATED AFTER COMMISSIONING THE WORKS SUITING TO SITE CONDITIONS FOR GENERATING SIGNAL INTERLOCKING PLAN (RECORDS UPDATED).

SPECIAL NOTES RELATED TO SPECIFIC RAILWAY/ STATION LIKE SPT, EMERGENCY GATE KEY etc.

ALL NEW MAIN SIGNALS, SUBSIDIARY SIGNALS, GROUND SHUNT SIGNALS, REPEATER SIGNALS, STANDARD AND MINIATURE INDICATORS, POSITION LIGHT JUNCTION INDICATORS ARE OF LED TYPE.

## APPROVAL PANEL

| ALT. | NAME OF THE WORK | APPROVED BY SAG(OPTG) | APPROVED BY SAG(S&T) | CRS/PCSTE's SANCTION | DATE OF COMMISSIONING |
|---|---|---|---|---|---|
| — | | (SIGNATURE)<br>(DD/MM/YY)<br>(NAME/DESGN.) | (SIGNATURE)<br>(DD/MM/YY)<br>(NAME/DESGN.) | | |
| | | | | | |

REFERENCE LINE

THIS PLAN IS ONLY PRINTED TO SCALE IF THIS LINE MEASURES 100MM.

| | | | | | |
|---|---|---|---|---|---|
| CLASS | B | | SIGNAL INTERLOCKING PLAN<br>SIP.ZONE.DIV.XXX.01<br>(LAYOUT : DL7) | ZONE | ZONE |
| STANDARD | III ® | | | | |
| SCALE | HORIZONTAL | 1:2500 | | DIVISION | DIV |
| | VERTICAL | NA | | STATION | XXX |

STATION NAME : XXX

AUTO CAD FILE No.SIP.ZONE.DIV.XXX.01