## SIGNAL SPECIFIC NOTES - I

1. NUMBER GRID:

| FUNCTIONS | LOCATION or DIRECTION | RANGE | SPARES |
|---|---|---|---|
| SIGNAL | RIGHT TO LEFT | S-1.(BW-①.LC PANEL). | -- |
| | LEFT TO RIGHT | S-2.(BW-②.LC PANEL). | -- |
| CALLING-ON | RIGHT TO LEFT | NIL | -- |
| | LEFT TO RIGHT | NIL | -- |
| SHUNT SIGNAL | RIGHT TO LEFT | NIL | -- |
| | LEFT TO RIGHT | NIL | -- |
| POINTS | RIGHT HALF | NIL | -- |
| | LEFT HALF | NIL | -- |
| SIGNO POINTS | LEFT HALF | NIL | -- |
| | RIGHT HALF | NIL | -- |
| LC GATE | LEFT HALF | NIL | -- |
| | RIGHT HALF | (BW-③.LC PANEL). | -- |

2. BLOCK WORKING:

| SECTION | TYPE OF BLOCK WORKING | BLOCK INSTRUMENT TYPE | BPAC | REMARKS IF ANY |
|---|---|---|---|---|
| LRB - HRE | ABSOLUTE BLOCK | UFSBI-DL | SSDAC | LOCATED AT PANEL ROOM |
| LRB - KQR | ABSOLUTE BLOCK | UFSBI-DL | SSDAC | LOCATED AT PANEL ROOM |

3. DETAILS OF TRACK CIRCUITS:

| TRACK CIRCUIT NOS. | TYPE OF TRACK CIRCUITS | REMARKS IF ANY |
|---|---|---|
| 1).(1T,1T1,2T,2T1. OF LRB) | DC SINGLE RAIL TRACK CIRCUIT. | -- |
| 2).(1T,1T1,2T,2T1,AT,BT. OF LC GATE) | | |

4. DETAILS OF AXLE COUNTERS:-

| AXLE COUNTER SECTION | TYPE OF AXLE COUNTER | TYPE OF RESETTING | LOCATION OF RESETTING BOX. | LOCATION OF COUNTER BOX. PLUNGER/J BOX |
|---|---|---|---|---|
| LRB - HRE(DN) | SSDAC | PREPARATORY | HRE | LRB |
| LRB - HRE(UP) | SSDAC | PREPARATORY | LRB | HRE |
| LRB - KQR(DN) | SSDAC | PREPARATORY | LRB | KQR |
| LRB - KQR(UP) | SSDAC | PREPARATORY | KQR | LRB |

## GENERAL NOTES

1. THIS PLAN IS BASED ON SIGNAL INTERLOCKING PLAN NO. ECR/SIP/DHN/045/2004 ALT-2 AND UPDATED TO SHOW THE ADDITIONAL LC GATE NO.33/CIE BETWEEN HIRODIH AND LARABAD STATION AT KM 387/21-23(Km.387.80) TO 'SPL' CLASS.
2. THIS PLAN IS BASED ON ENGINEERING SCALE PLAN (ESP) NO.-SEM-STATION SIP-AWAITED AND LC ESP No.DNH/DHN/DHG NO-52-2021 DT-08.02.21
3. THIS PLAN SUPERSEDES SIP/SIP NO: ECR/SIP/DHN/045/2004 ALT-2.
4. THE SITE SURVEY IS CARRIED OUT TO CORRELATE THE BASE RECORDS. THE SURVEY REMARKS ARE RECORDED IN.....
5. THIS STATION IS LOCATED IN 25 KV AC ELECTRIFIED SECTION.
6. ALL THE STOP SIGNALS ARE LOCATED CLEAR OFF NEUTRAL SECTION.
7. THE NEW SIGNAL POSITIONS HAVE BEEN AMENDED TO SUIT SIGNAL SIGHTING COMMITTEE REPORT.
8. SYSTEM OF WORKING IS ABSOLUTE BLOCK SYSTEM.
9. LC GATE No.33/SPL/E IS ELECTRICALLY OPERATED AND THE EMERGENCY CONTROL KEY IS PROVIDED AT G.L.
10. APPROACH WARNING IS PROVIDED FOR THE LC GATE 33/SPL/E.
11. THE GROUND MOUNTED LEVER FRAMES ARE PROVIDED FOR SIDING POINT OPERATION AND LC GATE BOOM LOCKING: NIL
12. THE HPL IS PROVIDED FOR SIDING POINT AND STANDS NORMALLY IN - NIL.
13. ALL THE WORKS ARE CARRIED OUT AS PER THE PROVISIONS IN THE SEM, GASR AND OTHER POLICY LETTERS.
14. THE NEW EQUIPMENT IS PLACED AS PER SITE SURVEY.
15. RECORD OF DESIGN DECISIONS ARE DETAILED IN SCHEME PLAN DESIGN LOG: .....
16. FOULING POINTS ARE REQUIRED TO BE MEASURED ON SITE.
17. SIGNAL AND SIGNAGES ARE IN ACCORDANCE WITH GASR AND SEM.
18. THE CROSS OVER POINTS ARE OPERATED BY PARALLEL OPERATION.
19. POINT ZONE TELEPHONES (PTZ) ARE PROVIDED AT TOP POINTS - NIL.
20. NON-STANDARD SYMBOLS USED ON THIS PLAN ARE .....
21. LIST OF ASSUMPTION BEING MADE WHILE SCHEME PLAN WAS IN PRODUCTION ARE
    (i).....
    (ii).....
    (iii).....
22. SCHEME PLAN SPECIFIC ISSUES WHICH ARE STILL TO BE RESOLVED
    (i).....
    (ii).....
23. TYPE OF INTERLOCKING : PANEL INTERLOCKING.
24. REFER INTERLOCKING CONTROL CHART FOR DETAILS OF ALL SIGNAL ROUTES.
25. COMPLETION DETAILS TO BE INCORPORATED AFTER COMMISSIONING THE WORKS SUITING TO SITE CONDITIONS FOR GENERATING SIGNAL INTERLOCKING PLAN (RECORDS UPDATED).
26. SPECIAL NOTES RELATED TO SPECIFIC RAILWAY/ STATION LIKE SPT, EMERGENCY GATE KEY etc.
27. ALL NEW MAIN SIGNALS, SUBSIDIARY SIGNALS, GROUND SHUNT SIGNALS, REPEATER SIGNALS, STANDARD AND MINIATURE INDICATORS, POSITION LIGHT JUNCTION INDICATORS ARE OF LED TYPE.

| ALT. | NAME OF WORK | DRAWN SSE/DRG | CHECKED SSE/DRG | SSE/SIG | ASTE/D&D | SSTE/D&D | DY. CSTE/ IMD | CTPM/ECR | COUNTER SIGNED CTPM/ECR | APPROVED CSTE/ECR | CRS'S SANCN. NO.&DT | COMP. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | COMPLIANCE OF D TO QUIT CRS OBSERVATION IN CONNECTION OF UP-GRADATION & INTERLOCKING OF LC No-33/CIE AS PER RCSTE/ LETTER DT-16.03.2021 | | | | | | | | | | | |

## SIGNAL SPECIFIC NOTES - II

6. DETAILS OF SIDING POINTS:- NIL
   i. POINT No. IS LOCALLY OPERATED WITH SUCCESSIVE KEY RELEASE ARRANGEMENT.
   ii. LOCKING OF POINT CONTROL IS TRANSMITTED TO SITE BY SM FOR OPERATION.
   iii. SIDING POINT KEY A IS BOXED IN THE PANEL & LC GATE LOCATED AT SITE
   iv. THIS KEY IS INSERTED TO UNLOCK A END POINT
   v. SIDING POINT IS SET TO REVERSE AND KEY B IS EXTRACTED
   vi. KEY B IS INSERTED TO CONTROL AND TRAP POINT IS SET TO REVERSE
   vii. SIDING IS READY FOR SHUNTING

SIDING POINT DETECTION TABLE(Elec):

| SIDING POINT NO. | DETECTS POINT NORMAL/REVERSE | PROVIDED IN SIGNAL NO. | LEADING TO |
|---|---|---|---|
| NIL | NIL | NIL | NIL |
| NIL | NIL | NIL | NIL |

7. INTERLOCKED LC GATE DETAILS:-
   i. LC NO.33/SPL/E ARE PROVIDED WITH ECLB.
   ii. ELECTRICAL OPERATED AT L-KING No.33/SPL/E
   iii. ROAD SIDE SIGNAL WITH FLASHER AT TO DANGER BEFORE MOVING OF SLIDING BOOM BARRIER TO CLOSE THE L C GATE.
   iv. DEAD APPROACH LOCKING PROVIDED AT LC GATE No.33 'SPL' WITH 60 SEC TIME DELAY.
   v. AXLE COUNTER PROVIDED TO ACCOMPLISH DEAD APPROACH LOCKING PROVIDED USING TRACK CIRCUITS@T & @T1 IN UP DIRECTION AND @T & @T1 IN DN DIRECTION.
   vi. APPROACH WARNING BELL PROVIDED IN BOTH UP & DN DIRECTION AND CONTROL BY TRACK CIRCUIT No.@T & T1 IN UP AND 2T,2T1 IN DN DIRECTION.
8. COMMUNICATION DETAILS:
   i) MAGNETO TELEPHONE COMMUNICATION IS PROVIDED BETWEEN PANEL ROOM AND LC No.33/SPL/E.
   ii) CONTROL TELEPHONE PROVIDED AT PANEL ROOM.

9(A). LRB PANEL DETAILS:-

MAIN SIGNAL SWITCH :- 1,2.

9(B). GATE No.33 SPL PANEL DETAILS:-

MAIN SIGNAL SWITCH :- SW-1,SW-2.

GATE CONTROL SWITCH :- SW-3

10. DETAILS OF SIGNAL ROUTES HAVING ALTERNATE OVERLAPS-NIL

| SIGNAL NO. | LEADING TO | DETAILS OF OVERLAP |
|---|---|---|
| NIL | NIL | NIL |

11. ALL ANGLE OF 'X' -ING ARE 1 IN 8 1/2 EXCEPT AS MENTIONED IN SIP.-NIL




## SPECIAL INSTRUCTIONS/APPROVED SPECIAL INSTRUCTIONS

| SL.NO. | INSTRUCTIONS | ISSUED BY | AUTHORITY | DATE | REMARKS |
|---|---|---|---|---|---|
| 1. | UNDER THE PROVISION OF GR PARA 3.07 (7) i) DN GATE DIST OF L.C No.33/SPL/E COMBINED WITH DN HOME SIG. | | C.R.S | | TO BE OBTAINED. |

## Signature block

| | | |
|---|---|---|
| CSTE/PLG | RISHI GUPTA | Digitally signed by RISHI GUPTA Date: 2021.03.09 13:54:56 +05'30' |
| CTPM/ECR | DILIP KUMAR | Digitally signed by DILIP KUMAR Date: 2021.03.09 12:57:51 +05'30' |
| SrDOM/DHN | PANKAJ KUMAR | Digitally signed by PANKAJ KUMAR Date: 2021.03.05 18:20:11 +05'30' |
| SrDSTE/DHN | | AJIT KUMAR 2021.03.05 18:33:01 +05'30' |
| DyCSTE/PLG | BINOD KUMAR SINGH | Digitally signed by BINOD KUMAR SINGH Date: 2021.03.04 13:55:58 +05'30' |
| ASTE/PLG | SWATI SHEKHAR | Digitally signed by SWATI SHEKHAR Date: 2021.03.04 13:28:39 +05'30' |
| ASTE/D&D/1 | RAVI SHANKAR | Digitally signed by RAVI SHANKAR Date: 2021.03.04 13:15:04 +05'30' |
| SSE/Sig | Manoj Kumar Singh | Digitally signed by Manoj Kumar Singh Date:2021.02.22 04:53:05 +05'30' |
| SSE/Drg | Arindam Kumar | Digitally signed by Arindam Kumar Date:2021.02.22 04:50:23 +05'30' |
| SSE/Drg | Tarakant Chaudhary | Digitally signed by Tarakant Chaudhary Date:2021.02.22 04:48:06 +05'30' |

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

C.R.S SANCTION No.
DATE:-
COMPLETED ON

P.I
CENTRAL OPERATION

| CLASS | C | SIGNAL INTERLOCKING PLAN | ZONE | ECR |
|---|---|---|---|---|
| STANDARD | III R | ECR/SIP/DHN/045/2021 | DIVISION | DHN |
| SCALE HORIZONTAL 1cm = 10m, VERTICAL 1cm = 8m | | | STATION | LRB B.H |

लारबाद बुलॉक हट

LARABAD B.H