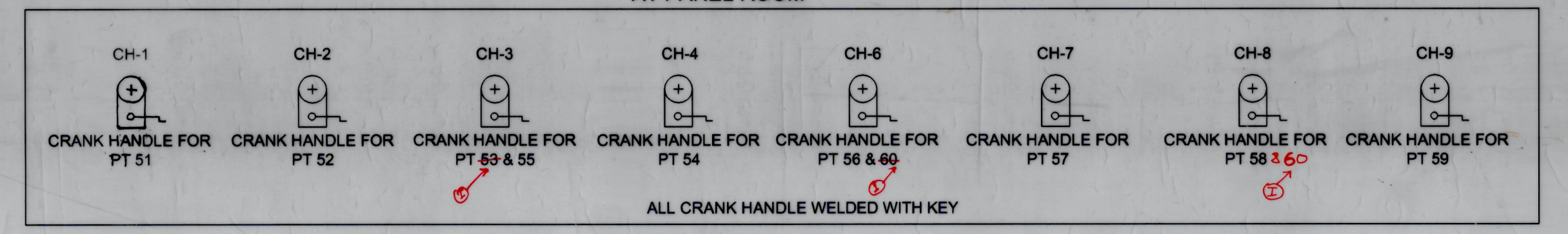
SL.NO.	INSTRUCTION	ISSUED BY	AUTHORITY	REMARKS
(1)	UNDER THE PROVISION OF GR. PARA 3.40 (1)(b) ADEQUATE DISTANCE OF 120M HAS BEEN RECKONED FROM THE STARTER FOR THE FOLLOWING SIGNAL. (a) ~~SIGNAL NO. 8 COMMON LOOP LINE NO.-1 FOR THE RECEPTION OF UP TRAIN UP TO DEAD END.~~ (b) ~~SIGNAL NO. 9 COMMON LOOP LINE NO.-1 FOR THE RECEPTION OF UP TRAIN UP TO DEAD END.~~	C.R.S E/CIRCLE		~~DISPENSATION TO BE OBTAINED~~
(2)	UNDER THE PROVISION OF GR. PARA 3.40 (4) D/SWITCH AS SUBSTITUTE FOR ADEQUATE DISTANCE FOR FOLLOWING SIGNAL. (a) ~~SIGNAL NO. 5 FOR COMMON LOOP LINE NO.-4 FOR THE RECEPTION OF UP TRAIN TO POINT NO. 59 NORMAL.~~ (b) ~~SIGNAL NO. 6 FOR COMMON. LOOP LINE NO.-2 FOR THE RECEPTION OF DN TRAIN UP TO POINT NO. 53 NORMAL.~~ (c) ~~SIGNAL NO. 7 FOR COMMON LOOP LINE NO. 2 FOR THE RECEPTION OF UP TRAIN UP TO POINT NO. 60 NORMAL.~~ (d) ~~SIGNAL NO. 10 COMMON LOOP LINE NO.-4 FOR THE RECEPTION OF DN TRAIN UP TO PT-54 NORMAL.~~	C.R.S E/CIRCLE		~~DISPENSATION TO BE OBTAINED~~

ALT	DESCRIPTION	REFRENCE	CHECKED BY SSE/S/HJP	CHECKED BY ASTE/D&D/HJP	CHECKED BY SSTE/D&D/HJP	CHECKED BY Dy.CSTE/PLG/HJP	COUNTER SIGNED CSTE/C/S/MHX	COUNTER SIGNED CTPM/ECR/HJP	APPROVED BY CSTE / PLG./ HJP f. CSTE / ECR./ HJP	CRS SANCTION NO.&DATE	DATE OF COMMISSIONING
I	REMOVAL OF RESPECTIVE ENGG. SDG AND EXTENSION FOR MAKING AT DN LINE IN CONNECTION WITH TORI-SHIVPUR DOUBLING LINE.	TO SUIT ESP NO. CE'S DRG NO. Y-40-2015 (ALT-2,1,2,3, 6,28)	SSE/S/C/MHX (M. TIWARI) SSE/S/C/MHX	V.K.S. (V.K. SINGH) ASTE/C/MHX	(NEHAL SHAMS) DSTE/C/MHX	(B.K. SINGH) Dy.CSTE/C/S/MHX	(RAJESH KUMAR)	2.01.19	(S. KUMAR) 23.01.19		
II.	COMPLETION DRAWING MADE		SSE/S/C/MHX SSE/S/C/MHX	(R.L. PANDIT) ASTE/C/HB/MHX	(NEHAL SHAMS) DSTE/CON/MHX	(VIKRAMA RAM) Dy.CSTE/C/D/MHX	11.5.2020 (MANISH SHARMA)		11.5.2020 (MANISH SHARMA)	C.R.S' SANCTION IS NOT REQUIRED, YARD FIT FOR GOODS TRAFFIC	

AT PANEL ROOM

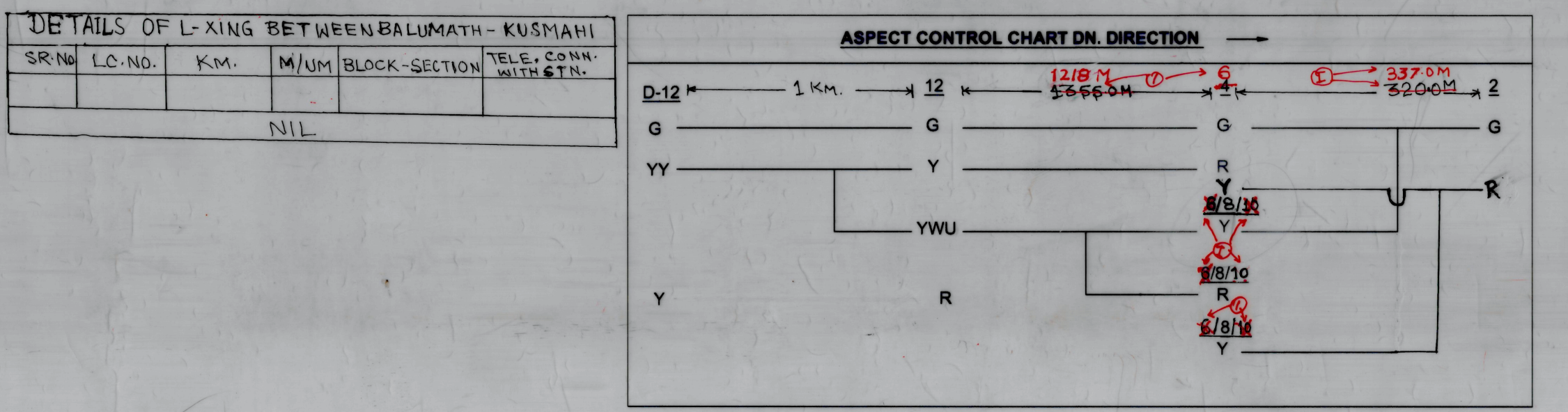


CH-1	CH-2	CH-3	CH-4	CH-6	CH-7	CH-8	CH-9
CRANK HANDLE FOR PT 51	CRANK HANDLE FOR PT 52	CRANK HANDLE FOR PT ~~53~~ & 55	CRANK HANDLE FOR PT 54	CRANK HANDLE FOR PT 56 & ~~60~~	CRANK HANDLE FOR PT 57	CRANK HANDLE FOR PT 58 & 60	CRANK HANDLE FOR PT 59

ALL CRANK HANDLE WELDED WITH KEY

DETAILS OF L-XING BETWEEN BALUMATH - KUSMAHI

SR.No	LC.NO.	KM.	M/UM	BLOCK-SECTION	TELE. CONN. WITH STN.
NIL					

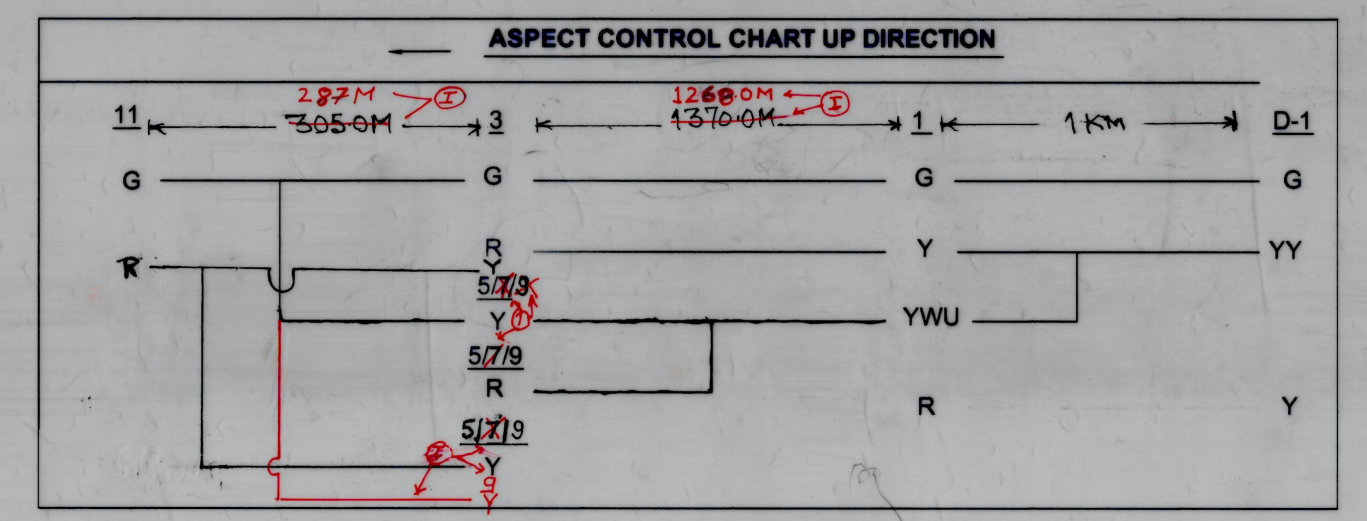

ASPECT CONTROL CHART DN. DIRECTION

~~PANEL~~ VDU DETAILS

MAIN SIGNAL ~~BUTTONS~~ 1. 2. 3. ~~4.~~ 5. 6. ~~7.~~ 8. 9. 10, 11. 12.
CALLING - ON SIGNAL ~~BUTTONS~~ C-1, C-12
POINT BUTTONS 51. 52. ~~53.~~ 54. 55. 56. 57. 58. 59. 60
CRANK HANDEL CONTROL ~~BUTTONS~~ CH-1, CH-2, CH-3, CH-4 CH-6, CH-7, CH-8, CH-9 .
SHUNT SIGNAL CONTROL ~~BUTTONS~~ 103, 105, 106, ~~107~~, 108, 109, 110
DEAD SHUNT SIGNALS. 201, 202, 203, ~~204~~, 205, 206, 207, 301, 302, 303, 304. 306

NOTE :-

1. ABSOLUTE BLOCK SYSTEM OF WORKING WITH KUSMAHI & BUKRU.
2. ~~SINGLE LINE TOKEN LESS BLOCK INSTRUMENT WORKING WITH KUSMAHI & BUKRU SITUATED IN PANEL CABIN.~~
3. MAGNETO TELEPHONE PROVIDED IN ~~PANEL~~ SM CABIN
4. ALL ANGLE OF X- ING ARE 1 IN 12 EXCEPT AS MENTIONED IN SIP.
5. CONTROL TELEPHONE PROVIDED AT ~~PANEL~~ SM CABIN.
6. ~~BPAC PROVIDED WITH KUSMAHI & BUKRU AND INTERLOCKED WITH B/ INSTRUMENT OF KUSMAHI & BUKRU.~~
7. LED SIGNAL PROVIDED FOR ALL MACL SIGNALS
8. ~~TRACK NO 1T,2T AND 11T,12T STAGGERED BY 1.82M.~~
9. THIS SIP HAS BEEN MADE IN CONNECTION WITH NEW BG RAIL LINE BETWEEN TORI-SHIVPUR
10. 60 SEC. TIME - DELAY PROVIDED FOR ALL CALLING - ON- RECEPTION SIGNAL.
11. UFSBI BLOCK WITH HASSDAC DOUBLE LINE TYPE WORKING BETWEEN BALUMATH - KUSMAHI & BALUMATH - BUKRU STN.
12. TWO VDU (01 STAND BY) PROVIDED LOCATED AT PANEL CABIN FOR PANEL OPERATION IN LIUE OF CONTROL CUM INDICATION PANEL
13. LINE CLEAR MUST NOT BE GRANTED WHEN SHUNT 110 OR SH201 IS TAKEN OFF OR TRACK CIRCUIT IT1 OCCUPIED.


ASPECT CONTROL CHART UP DIRECTION

DETAILS OF L-XING BETWEEN BALUMATH - BUKRU

SR.No	LC.NO.	KM.	M/UM	BLOCK-SECTION	TELEPHONE CONN. WITH STN
NIL					

AUTHORITY OF WORK :- P.B. ITEM NO.NIL (DEPOSIT WORK)

PREPARED BY		APPROVED BY	COUNTER SIGNED BY		CHECKED BY						DRAWN - BY	C.R.S. SANCTION NO.	SCALE			
skylark Designer & Engineers Pvt. Ltd. PATNA NOIDA Chotti Badalpura, Khagaul, Patna-801105 PH:- 0612-3216158/59	पूर्व मध्य रेल धनबाद मंडल EAST CENTRAL RAILWAY DHANBAD DIVISION	(JAGMOHAN RAM) CSTE / PLG / HJP FOR CSTE / ECR / HJP	(NEERAJ AMBASTHA) COM/ECR/HJP FOR COM / ECR / HJP	(P.S. RAI) CSTE/CON/S/MHX	(R.K. ROUSAN) SrDOM/PLG/DHN	(A. SINGH) 20/01/16 SrDSTE/DHN	11.1.16 (SATENDRA KUMAR) Dy. CSTE / C/S/ MHX	11.1.16 (B.K. THAKUR) DSTE / CON / MHX	11.1.16 (R.K. SINGH) ASTE / CON / MHX	11.1.16 (SHIMLA KUMARI) SSE / S / C / MHX	(O.P. GOND) JE / DRG / C / MHX	DATE:- CRS' SANCTION IS NOT REQUIRED YARD FIT FOR GOODS TRAFFIC COMPLETED ON	LONGITUDINAL : 1CM = 10M TRANSVERSE : 1CM = 5 M BASED ON - CE DRG. NO. - Y-40-2015	CENTRAL PANEL SIGNAL INTERLOCKING PLAN MACLS , CLASS-'B' ,STD.- II (R)	बालूमाथ BALUMATH	SIGNALLING PLAN NO. ECR/SIP/DHN/544/2017.

TO SUIT CE'S DRG NO. Y-40-2015