TO SHAKTINAGAR STATION
SHEET NO -1

DETAILS OF GRADIENT ON FROM CH	TO CH	GRADIENT
1	5/00	1011	1 IN 260 F
2	1/011	2/061	1 IN 150 F
3	2/061	5/021	1 IN 500 F
4	5/021	5/061	LEVEL
5	5/061	5/806	1 IN 466.R
6	5/806	6/001	1 IN 400 F
7	6/001	7/021	1 IN 260 F
8	7/021	7/106	1 IN 260 R
9	7/106	7/861	1 IN 150 F
10	7/861	9/117	LEVEL

KEY PLAN

ROAD SH 5A

EXISTING RAIL LINE

CURVE NO-1
A-09°39'00"
R-300m
TL-50.60m
CL-100.00m

CURVE NO-2
A-22°45'00"
R-300.00m
TL-59.60m
CL-119.15m

CURVE NO-3
A-103°48'00"
R-300.00m
TL-346.00m
CL-543.47m

C-1

C-2

C-3

PROPOSED KBJ RAIL LINE

BLOCK SECTION (BPS) - OPS
THERE IS NO LC

RLY CURVE
A-09°39'00"
R-300m
TL-49.60m
CL-98.54m

RLY CURVE
A-10°29'00"
R - 300.00m
TL - 61.10m
CL- 64.05m

CE's DRG. NO. - Y - 41 - 2018/GA - 1/3 (ALT-1)

NEXT STN. KRISHNASHILA (KM 11.174 FROM SHKTN. STN.)
TO CHOPAN ROADCM

TO SHAKTINAGAR STATION
SHEET NO -1

AUTHORITY OF WORKS:-

1. RAILWAY SIDING WORK FOR KBJ WORK FOUNDING BY NCL AND EXECUTION BY RITES (AGREEMENT NO.1405 DATE 24-06-2013)
2. P.B ITEM NO. 01-2016-17 OF E.C. RAILWAY
3. MOM WITH NCL AUTHORITY AND RAILWAYS IN CHAMBER OF DRM/DHN ON DATED 20.04.2018.
4. LR/DRM/DHN/LAND/PL/2017/15, 01.09.2017.

NOTES :-

1. THIS DRAWING IS BASED ON C.E'S DRG NO. Y-01-2016 & Y-04-2016 (S.No. 1/2)
2. EARLIER APPROVED ESP NO. CE'S DRG.NO. D 59-95 & 60-95 BY EASTERN RAILWAY SHOWING THE PROPOSED DIVERSION OF KBJ LINE IN A LENGTH OF ABOUT 3.0 KM. THIS HAS BEEN SLIGHTLY MODIFIED TO PROVIDE CSR OF 715 M IN ALL LINES OF NTPC EXCHANGE YARD.
3. THERE IS NO L.C IN BLOCK SECTION ON EITHER SIDE OF STATION.
4. ALL 1 IN 8.5 POINTS ARE SY TYPE EXCEPT OTHER INSIDE MENTIONED.

DETAILS OF GRADIENT RAILWAY LINE			
S.No	CH		GRADIENT
	FROM	TO	
1	0/00	1/011	1 IN 182 R
2	1/011	1/061	LEVEL
3	1/061	1/561	1 IN 194 R
4	1/561	2/061	LEVEL
5	2/061	2/921	1 IN 182 R
6	2/921	3/466	LEVEL
7	3/466	3/636	1 IN 130 R
8	3/636	3/982.5	1 IN 69.6 R
9	3/982.5	3/836	1 IN 556 R

DETAILS OF CURVES OF ECR DOUBLING LINE						
S.NO	Curve No.	Angle	Radius	T.L	C.L	OOC	Remark
1	C-1A	2°37'31"	1,200		15.03	5	
2	C-2A	2°37'31"	1,200		16.03	5	
3	C-3A	9°36'11"	350	29.30	52.52	5	
4	C-4A	9°35'59"	1,000	28.25	56.35	5	

DETAILS OF CURVES OF KBJ RAIL LINE							
S.NO	Curve No.	Angle	Radius	T.L	C.L	OOC	Remark
1	C-1	44°27'00"	300.00	243.10	465.87	2.22	
2	C-2	22°45'00"	300.00	120.30	238.60	2.22	
3	C-3	103°48'00"	300.00	346.00	543.47	2.22	
4	C-4	10°29'00"	300.00	29.60	59.00	2.22	

DETAILS OF TURNOUT FOR DOUBLING LINE				
S.No	Turnout No.			LOCTN
1	08/H	1 in 12		RH
2	09/80	1 in 12		RH
3	3/39/	1 in 8.5		LH
4	05/80	1 in 8.5		LH
5	07/39	1 in 8.5		LH

LEGENDS	
PROPOSED. KBJ LINE	
PROPOSED ECR DOUBLING SHOWN THUS	
EARLIER APPROVAL WORK OF SKTN YARD SHOWN THUS	
DISMANTLE	
EXIS. TRACK	
RLY. BOUNDARY	
ROAD	

NORTHERN COALFIELDS LIMITED

PREPARED BY	CHECKED BY	
RAB SAGAR CAD OPERATOR	MANOJ KUMAR MANAGER (C)	ANUJ JAIN Sr.DGM/Civil

DRM/DHN/ECR (A.K. MISHRA)	CPO/ECR (A.K.SINHA)
Sr.DOM/ECR/DHN (AADHAR RAJ)	CTPM/ECR (SANJAY KUMAR)
Sr.DSTE/ECR/DHN (AJIT KUMAR)	
Sr. DEN/C/ECR/DHN (SANJAY JHA)	
DEN/ECR/DHN (JYOTSNA PANKAJ)	
DRM/ SIDING (T.SONOWAL)	
Railway Div. Officers	**Signature**
Railway HQ. Officers	**Signature**

E.C. RAILWAY,OFFICIAL

EAST CENTRAL RAILWAY, DHANBAD DIVISION

NORTHERN COALFIELDS LIMITED

PHASE-I : SINGLE LINE DIVERSION OF KBJ LINE AND MODIFICATION OF NTPC EXCHANGE YARD AT SHAKTINAGAR STATION BETWEEN KRISHNASHILLA SHAKTINAGAR STATIONS OF E.C. RAILWAY.

SCALE :- 1 :1000	DRG.No	RITES/RPO-LKO/KBJ-2
	SHEET	2 OF 2
	DATE	APRIL - 2018
	REV.	01

RITES
THE INFRASTRUCTURE PEOPLE

ALTERATION	DETAILS
ALTERATION-1/A	CHANGE TO SINGLE STATION LIMIT, HAS BEEN REVISED AS
ALTERATION-1/B	CHANGE WITHIN STATION LIMIT HAS BEEN REVISION & OF STATION BUILDING.
ALTERATION-1/C	CURVE DETAILS OF E/C LINE HAVE BEEN CORRECTED IN THEIR PICTURE AS WELL AS AT EVERY LOCATION.
ALTERATION-1/D	DISTANCE BASED ON BEING OF 1 IN 8.5 AT ON SIDE OF AT KRKL END HAS BEEN REVISED TO 1N 12 AS PER CKS AUTHORISATION L-NO.SK/ATKRL/107 IN 2ND ITEM NO. 1/4(2)
ALT-1/A	GRADIENT POST AS CH. 0/00 AND 5/806 SHOWN.
ALT-1/A	CHANGE OF AT ON EXIS KBJ CHAINAGE TO CH. SITE KRKL

ALTERATION-1		
HQ. OFFICERS (ECR)	DIVISIONAL OFFICERS (ECR)	
CPO A.K.SINHA 27.9.18	DRM A.K.MISHRA 27.9.18	
CTPM SANJAY KUMAR 27.9.18	SR.DOM/C/DHN AADHAR RAJ 27.9.18	
	SR.DSTE/C/DHN AJIT KUMAR 27.9.18	
	SR.DEN/C/DHN SANJAY JHA 27.9.18	
	DEN/ECR/DHN JYOTSNA PANKAJ 27.9.18	
	DRM/ SIDING T.SONOWAL 27.9.18	