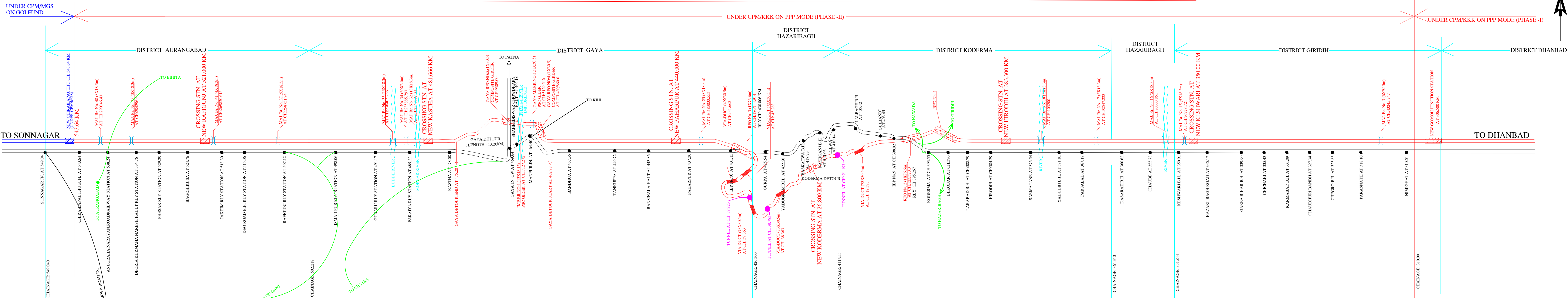


EASTERN DEDICATED FREIGHT CORRIDOR ALIGNMENT FOR GOMOH - SONNAGAR(CHIRAILA PAUTHU)



LEGEND	
EX. IR TRACK	
PROP. DFC TRACK UNDER CPM/KKK	
PROP. DFC TRACK UNDER CPM/MGS	
PROP. NEW LINE	
PROP. STATION	
PROP. RFO	
PROP. IMP. BRIDGE	
PROP. MAJOR BRIDGE	
PROP. ROB	
PROP.VIA-DUCT	
PROP.TUNNEL	
DISTRICT BOUNDARY	

SALIENT FEATURES	
TOTAL ROUTE KM - 256.581 Km.	No. of Junction Station - NIL
TRACK KM - 550 Km.	No. xing Station - 6 Nos.
PARALLEL LENGTH - 186.681 Km.	
DETOUR LENGTH - 69.90 Km.	
IMPORTANT BRIDGES - 1No.(Br.on PHALGU RIVER)	
Major Bridges - 44 Nos.	
Minor Bridges - 478 Nos.	
No. of RUB'S - 45 Nos	
TUNNELS - 3	
No. of Rail fly overs - 5 Nos.	
VIADUCT- 5 Nos.	

TECHNICAL FEATURE	
FORMATION WIDTH - 13.5m.	EARTHWORK SUBGRADE & BLANKET - AS PER RDSO GE - 14
VERTICAL MMD - 5.1m	
DEPTH OF BLANKET - 600 mm	MAX. DEGREE OF CURVE - 2.5°
BALLAST CUSHION - 350mm	TRACK CENTRE BETWEEN 2 DFC TRACK - 6m (min)
AXLE LOAD - 32.5T	TRACTION - 2X25 KV.
LOOP LENGTH AT JUNCTION STATION - 2 x 750m	SINGALLING- AUTOMATIC (WITH 2Km Spacing)
LOOP LENGTH AT CROSSING STATION - 750/1500m	
RULING GRADIENT - 1 IN 200 (Compensated)	
DESIGN SPEED - 100 Kmph.	

GEOGRAPHICAL BREAK UP			
DISTT.	STATE	Route Km	
GIRIDIH	JHAR KHAND	41.884 Km	
		HAZARIBAGH	12.469 Km
KODERMA	BIHAR	62.602 Km	
GAYA		98.204 Km	
AURANGABAD		41.42 Km	
TOTAL		256.581 Km	
RAILWAY JURISDICTION			
S.NO	RLY DIVN	ZONAL RLY	ROUTE KM
1.	DHANBAD	E.C RLY	174.871 Km
2.	MUGALSARAI DIVN	E.C RLY	81.71 Km

DFCCIL			
DETAIL	LAYOUT DIAGRAM FOR GOMOH - SONNAGAR (CHIRAILA PAUTHU) (KM:310.00 TO KM: 543.64)		
DRG.NO.	DATE	DESIGNATION	SIGNATURE
KKK/ALGNT./PH-II/ENGG	02.03.2015	CPM/DFCCIL/KKK	
	02.03.2015	DY. CPM/ENGG./KKK	

