

ARARIYA - GALGALIA NEW BG LINE PROJECT

FROM KM.-00 TO KM.-4.292

SCALE: $\frac{1 \text{ CM}=50\text{M(HOR)}}{1 \text{ CM}=5\text{M(VER)}}$

SHEET NO : 1A.

CL OF ARARIYA STATION BLDG.
KM. 70.393 F/KIR
PROJECT CH. 0.00m.TO SMRAHA
(JUN END)

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CURVE STATEMENT																						
Sl. No.	Curve No.	Turn	Dep. of Curve	Radius (m)	Deflection Angle			Circular Curve Length (m.)	Tangent Length (m)	Transition Length (m)	Total Curve Length (m.)	Shift (m)	Super Elevation (mm)	Project Change (m)						Speed (km/h)	Remarks	
					D	M	S							TPST	TP-1	TP/C	TPCT	TP-2	TPTS			
1	A	C-1	LT	2.00	875	37	51	28.97	678.158	300.077	110	688.158	0.575	120	1043.070	1098.07	1153.070	1621.228	1676.228	1731.228	110	
2	A	C-2	LT	2.00	875	67	52	12.41	1636.487	588.753	110	1146.487	0.575	120	1980.378	2035.378	2090.378	3016.865	3071.865	3126.865	110	

MAJOR BRIDGE DETAILS										
Sl. No	Bridge No.	Chainage (m) SI AQZ	Span (m)	Type of Bridge	Formation Level (m)	Bed Level (m)	H/L (m)	FB (m)	V.C (m)	Remarks
1	6(A)	2325	1x30.5m	Composite Girder	55.214	48.041	48.350	6.864	3.845	Canal
2	8(A)	2985	3x30.5m	Composite Girder	55.047	46.638	48.323	6.724	3.705	Koshidhar River

MINOR BRIDGE DETAILS										
Sl. No.	Bridge No.	Chairage (m) F/R/RQ	Span (in m.)	Type of Bridge	Formation Level (m.)	Bed Level (m.)	H/L (m.)	FB (m.)	V.C (m.)	Remarks
1	2(A)	1525	1x4.0m	RCC Box	53.556	49.451	49.854	3.702	3.252	Balancing
2	4(A)	2005	1x4.0m	RCC Box	54.771	48.532	49.464	5.307	4.807	Balancing
3	5(A)	3445	1x4.0m	RCC Box	55.710	48.559	48.540	6.770	4.243	Balancing

RUB BRIDGE DETAILS									
Sl. No	Bridge No.	Chainage (m) I/R/Q	Span (m m.)	Type of Bridge	Formation Level (m)	Bed Level (m)	H.F.L (m)	Clear Opening (m)	Remarks
1	1(A)	1355	1x6.0m	RCC Box	53.392	49.300	49.240	3.372	RUB/Concrete Road

3	5(A)	2135	1x6.0m	RCC Box	55.100	48.893	48.750	5.387	RUB (C/
4	7(A)	2625	1x12.2m	Composite Girder	55.797	48.884	48.420	5.500	RUB (I
									Roof

TABLE OF GRADIENTS					
Sl No.	FROM CH (m)	TO CH (m)	LENGTH (m)	GRADIENT	Remarks
1	0.00	440	440	F 1 IN 1265	
2	440	1175	735	F 1 IN 3873	

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