



EAST CENTRAL RAILWAY

(CONSTRUCTION ORGANIZATION)

DHANBAD DIVISION

FINAL 24 F CFC & 6 QUAD ROUTE DIAGRAM

SUB-SECTIONS :- PHAPHRAKUND TO MAGARDAHA (CH.144/4-CH.151/3)

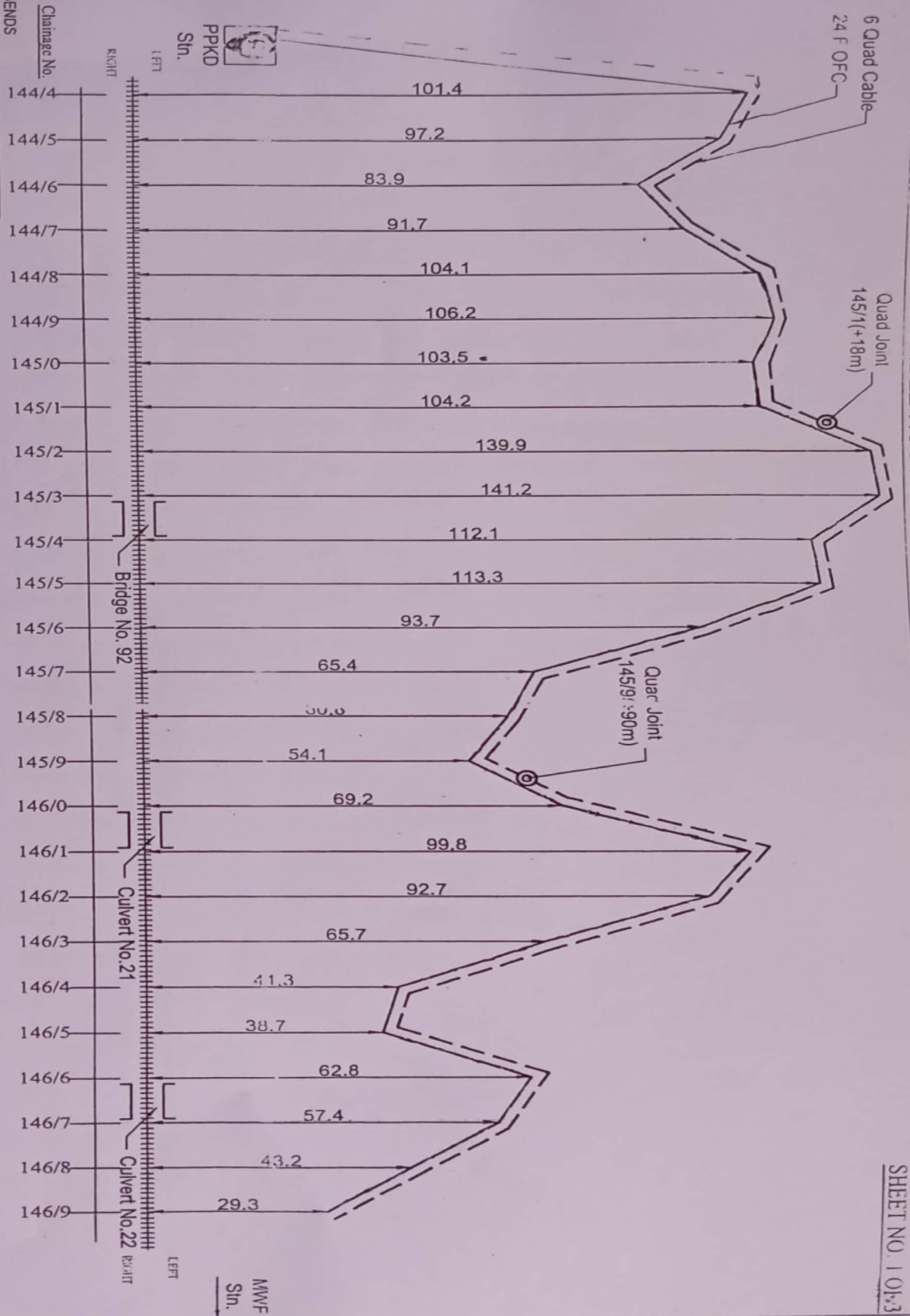
DRAWN BY:-

BABA PROJECTS PVT. LTD.

2K/74, BARIATU HOUSING COLONY,

BARIATU, RANCHI-9, JHARKHAND

email :- bppl@bppl.org



LEGENDS

Chainage No.

STATION

RAILWAY TRACK

6 QUAD JOINT

OFC JOINT

24 F OFC

QUAD CABLE

LC GATE

VERTIBRIDGE

EAST CENTRAL
RAILWAY

APPROVED BY

CHECKED BY

MAGABA PROJECTS PVT. LTD.

DIAGRAM OF 24F OFC &
6 QUAD CABLE FOR THE
ROUTE
RAMNA TO SINGRAULIALL DIMENSIONS ARE IN METERS
(NOT TO SCALE)

D.Y. CUSTETIC/CH/CPU

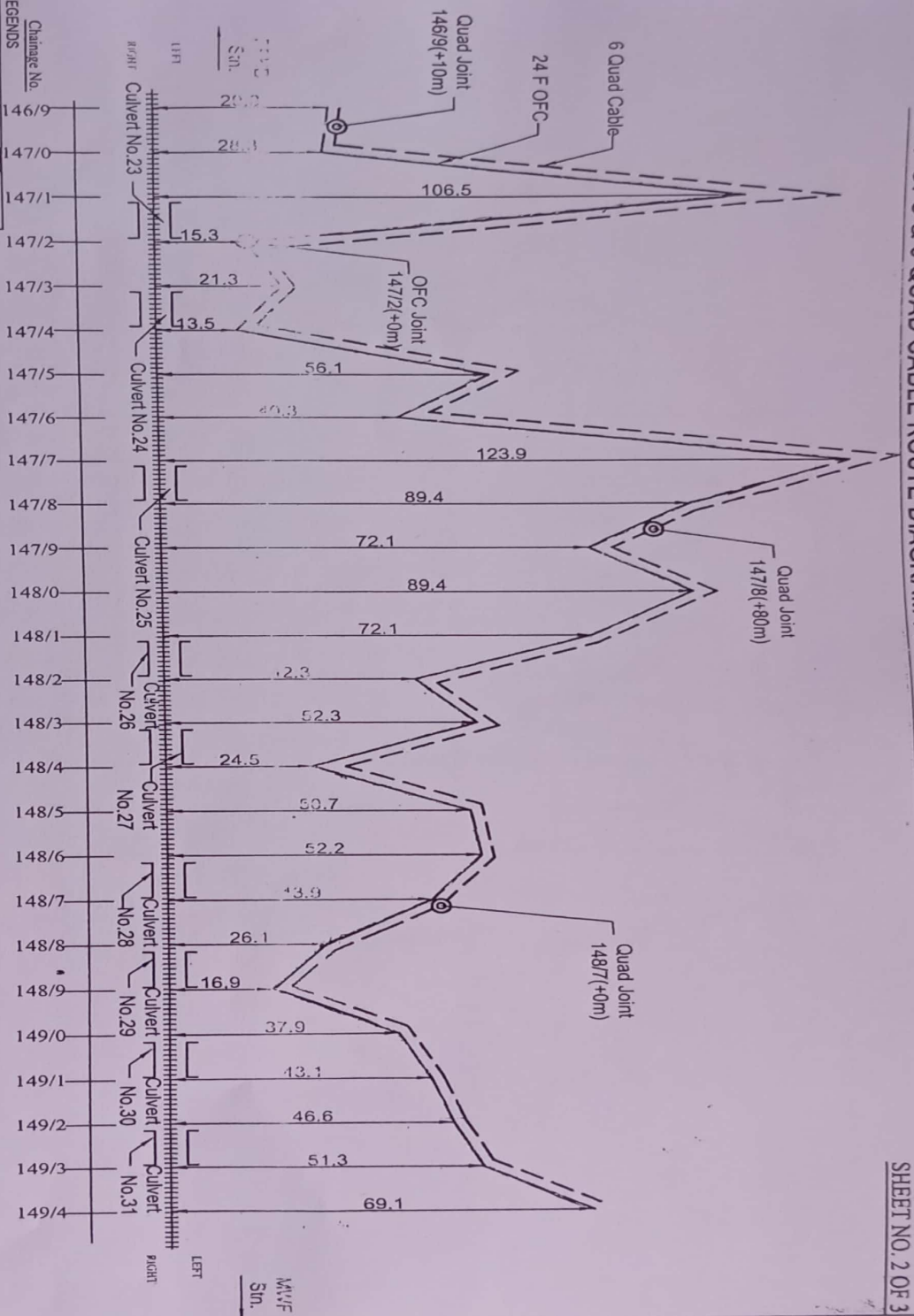
ASTETIC/CH/CPU

SSE/TON/CPU

PREPARED BY:-

DRAWN BY:-

Naval Kishor Singh



Change No.	
STATION	146/9
RAILWAY TRACK	147/0
6 QUAD JOINT	147/1
OFC JOINT	147/2
24 F OFC	147/3
QUAD CABLE	147/4

DIAGRAM OF 24 F OFC & 6 QUAD CABLE FOR THE

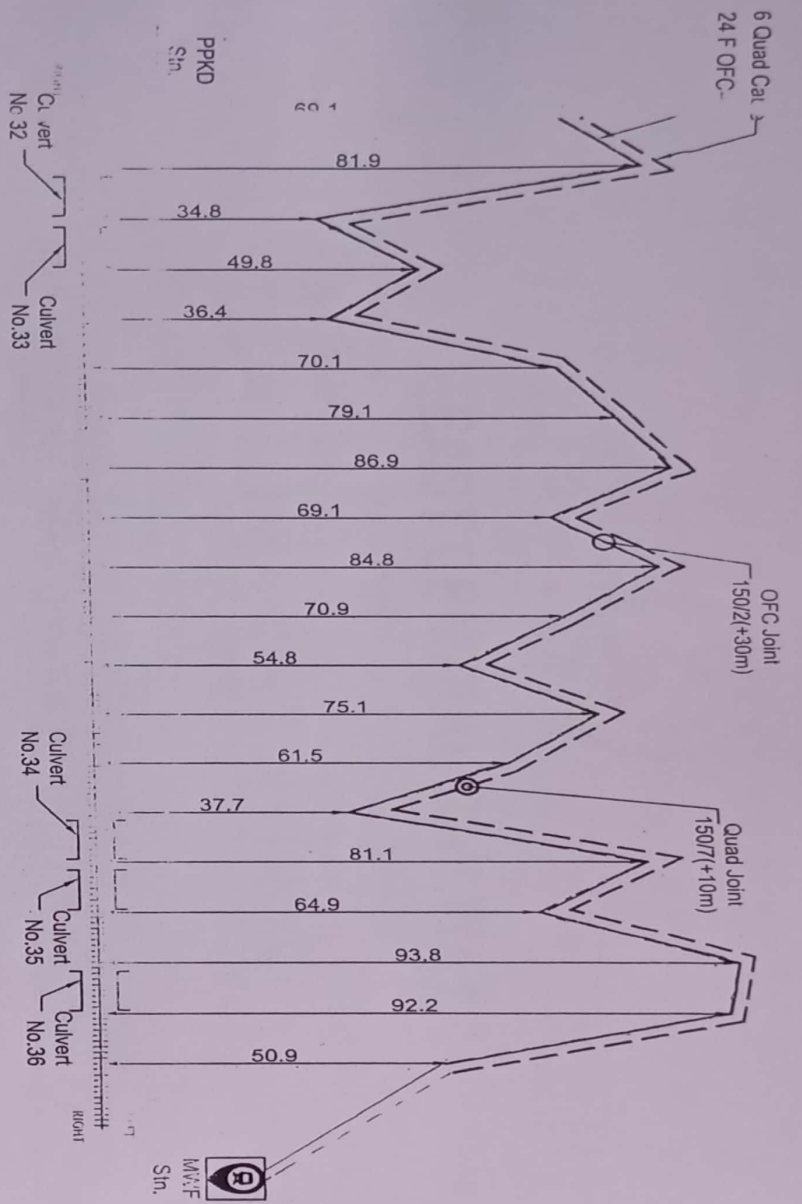
EAST CENTRAL
RAILWAY

APPROVED BY

CHECKED BY

BABA PROJECTS PVT. LTD.

Naval Kishor Singh



Chainage No.

LEGENDS

STATION

RAILWAY TRACK

6 QUAD JOINT

OFC JOINT

OFF SET

OFF SET

EAST CENTRAL RAILWAY

APPROVED 'Y'

CHECKED BY

BABA PROJECTS PVT. LTD.

OFF SET OF 24 F OFC

OFF SET

OFF SET

OFF SET

OFF SET

ASTET

SSET

OFF

PREPARED BY:-

DRAWN BY:-



EAST CENTRAL RAILWAY
(CONSTRUCTION ORGANIZATION)

DHANBAD DIVISION

FINAL 24 F OFC & 6 QUAD ROUTE DIAGRAM
SUB-SECTIONS :-MAGARDAHA TO KHULDIL (CH.151/3-CH.157/1)

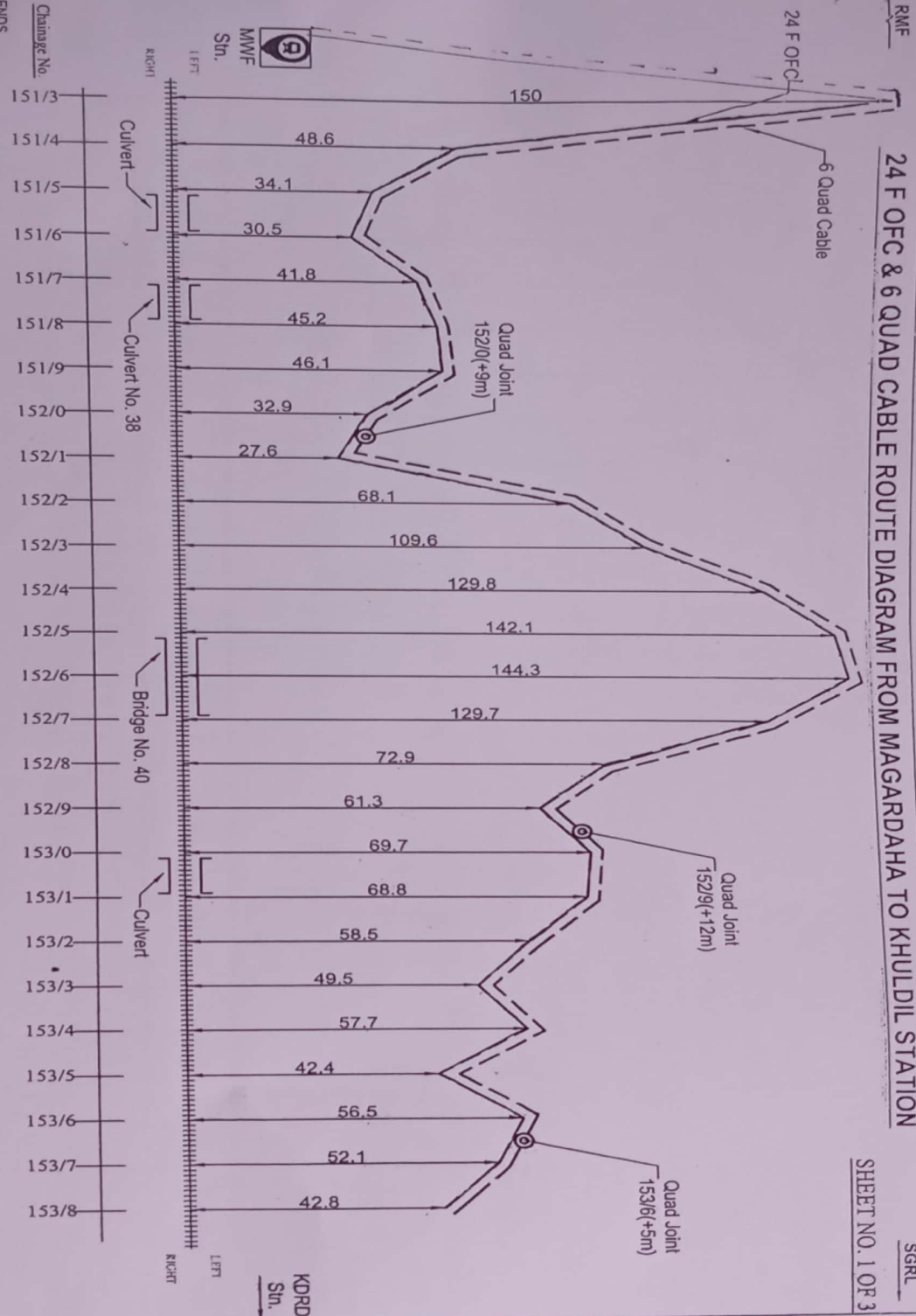
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BARIATU, RANCHI-9, JHARKHAND

email :- bppl@bppl.org





STATION	151/3	151/4	151/5	151/6	151/7	151/8	151/9	152/0	152/1	152/2	152/3	152/4	152/5	152/6	152/7	152/8	152/9	153/0	153/1	153/2	153/3	153/4	153/5	153/6	153/7	153/8
RAILWAY TRACK	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 QUAD JOINT																										
24 F OFC																										
QUAD CABLE																										
LC GATE																										
CLAY BRIDGE																										
CP PIPE																										
RAILWAY																										

EAST CENTRAL
RAILWAY

APPROVED BY

CHECKED BY

BABA PROJECTS PVT. LTD.

DIAGRAM OF 24 F OFC &
6 QUAD CABLE FOR THE
ROUTE
RAMNA TO SINGRAULIALL DIMENSIONS ARE IN METERS
(NOT TO SCALE)

DY. CSE/TC/CON/CPU

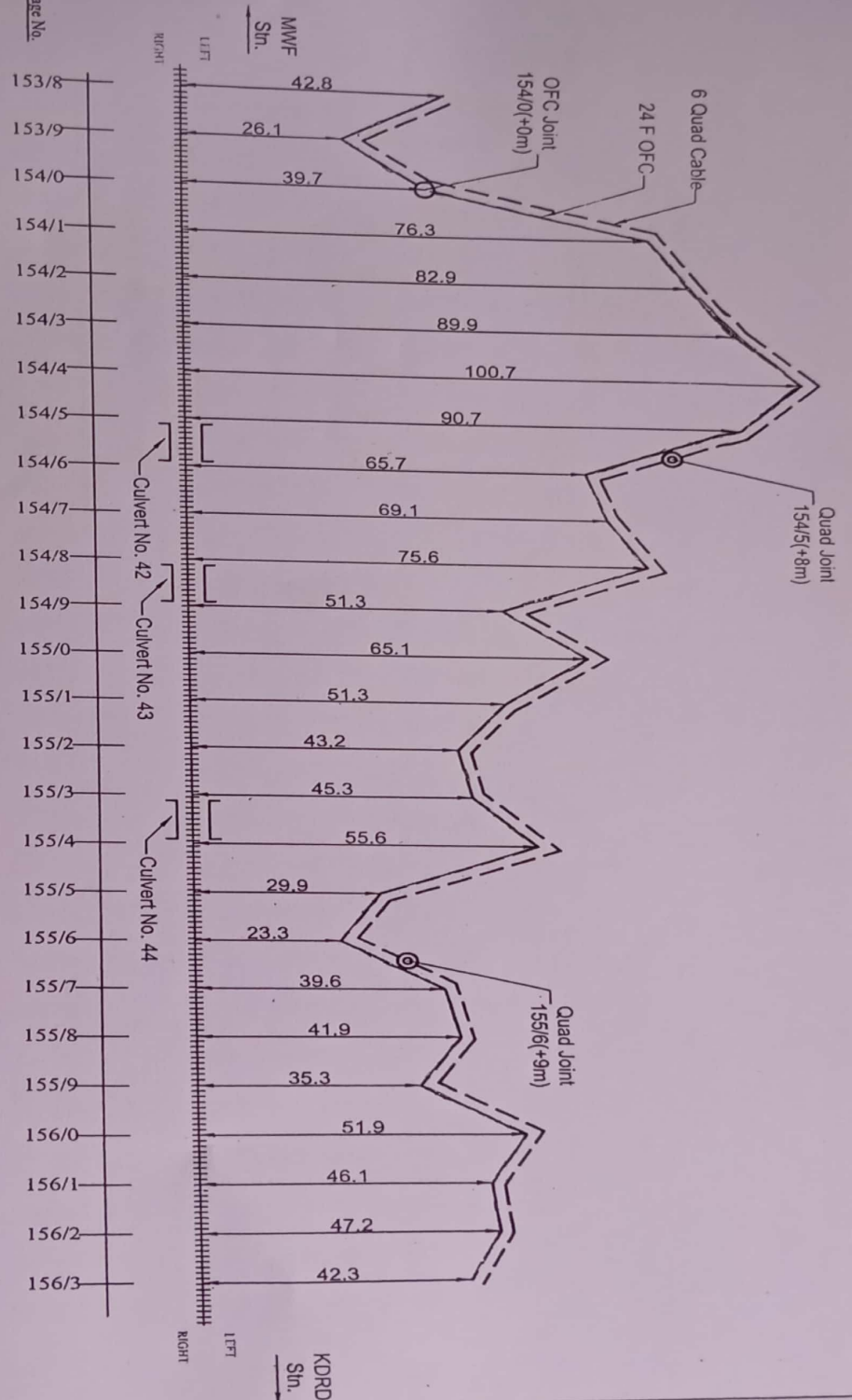
AS/TC/CON/CPU

SSE/TC/CON/CPU

PREPARED BY:-

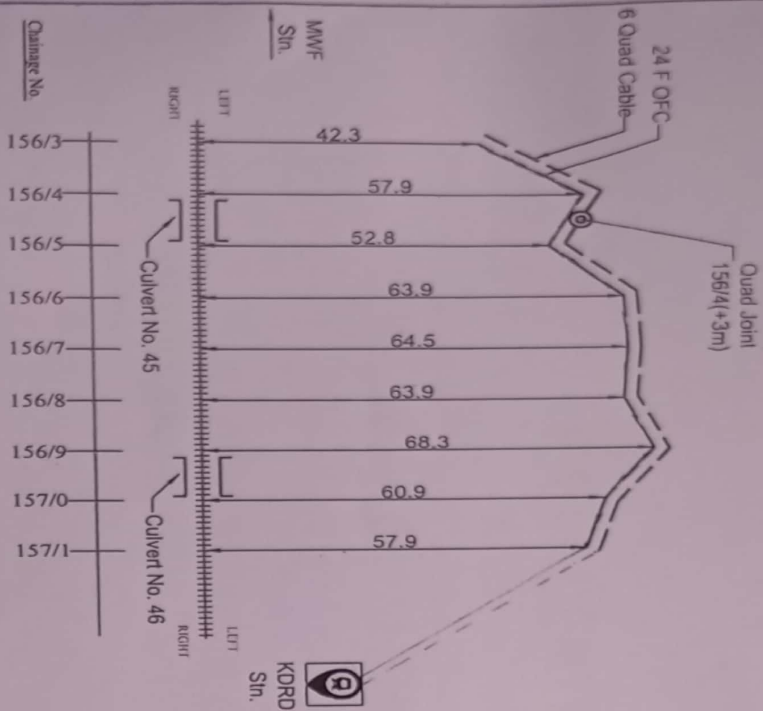
DRAWN BY:-

Naval Kishor Singh



LEGENDS

STATION	③				
RAILWAY TRACK	#####				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	- - -				
LC GATE	⌋				
CULVERT BRIDGE	⌋				
GPPE	⌋				
RAILROAD	⌋				
		ALL DIMENSIONS ARE IN METERS (NOT TO SCALE)			
		APPROVED BY		CHECKED BY	
		EAST CENTRAL RAILWAY		BABA PROJECTS PVT. LTD.	
		DIAGRAM OF 24F OFC & 6 QUAD CABLE FOR THE ROUTE RAMANA TO SINGRAULI		PREPARED BY:-	
		Dy. CSTE/CON/CPU		DRAWN BY:-	
		ASTET/CON/CPU		Naval Kishor Singh	
		SSET/CON/CPU			



LEGENDS

STATION					
RAILWAY TRACK	+++++				
ROAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—	EAST CENTRAL RAILWAY			
QUAD CABLE	---	APPROVED BY			
LC GATE		CHECKED BY			
CULVERT/BRIDGE		BABA PROJECTS PVT. LTD.			
GA PIPE		PREPARED BY:-			
RAILWAY	+	DRAWN BY:-			

DIAGRAM OF 24F OFC & 6 QUAD CABLE FOR THE ROUTE RAMNA TO SINGRAULI

ALL DIMENSIONS ARE IN METRE (NOT TO SCALE)

Naval Kishor Singh



EAST CENTRAL RAILWAY

(CONSTRUCTION ORGANIZATION)

DHANBAD DIVISION

FINAL 24 F OFC & 6 QUAD ROUTE DIAGRAM

SUB-SECTIONS :- KHULDIL TO MIRCHADHURI (CH.157/1-CH.167/7)

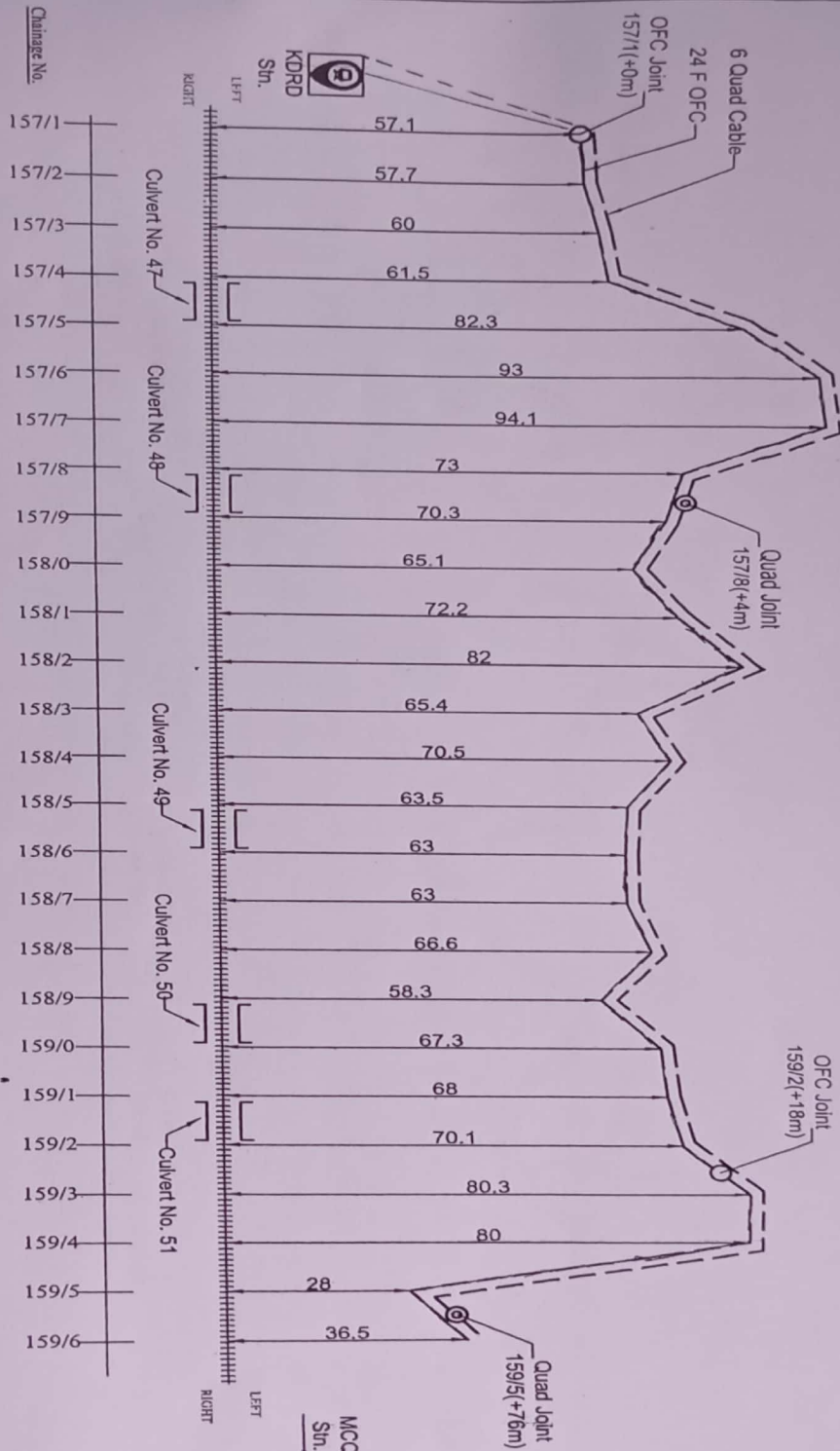
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BABA PROJECTS PVT. LTD.

2K/74, BARIATU HOUSING COLONY,

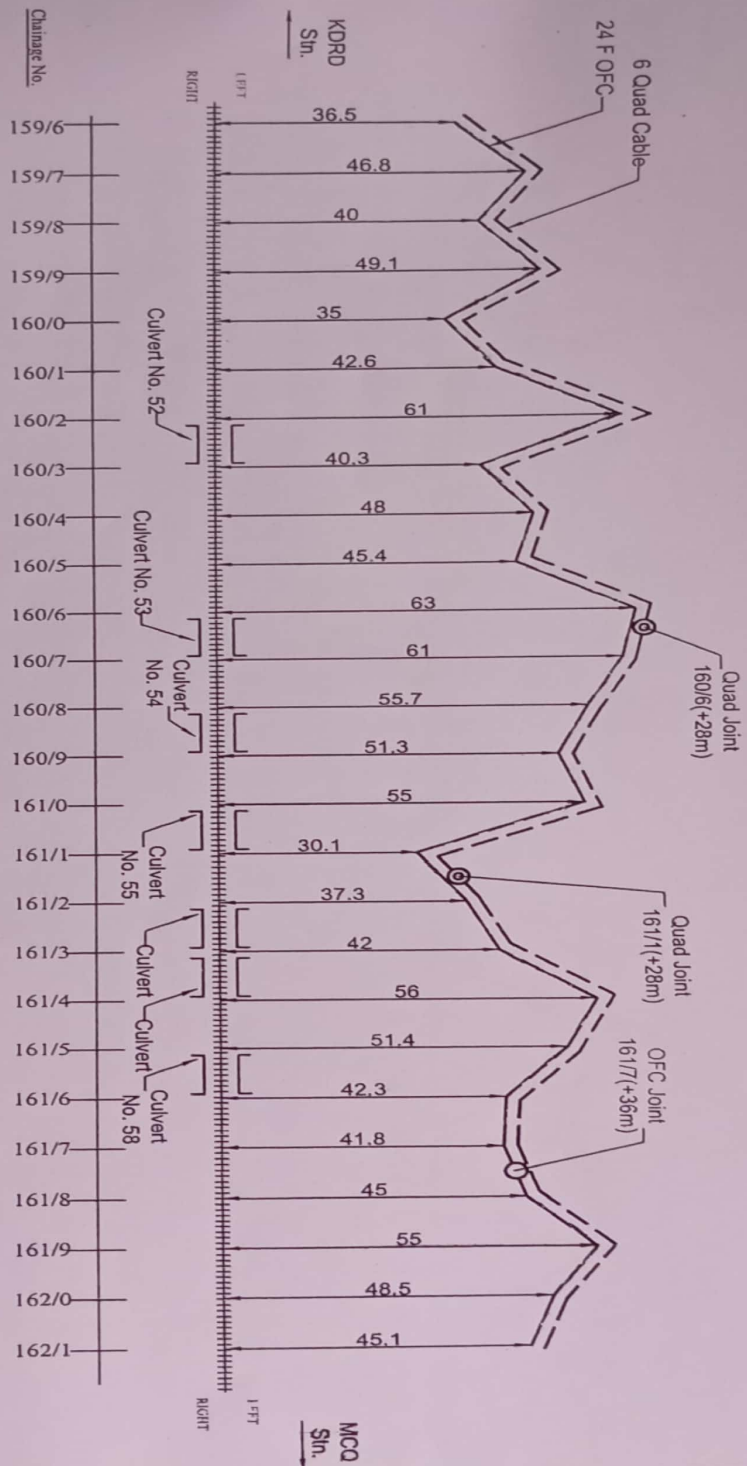
BARIATU, RANCHI-9, JHARKHAND

email :- bppl@bppl.org



LEGENDS

STATION					
RAILWAY TRACK	#####				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—	EAST CENTRAL RAILWAY			
QUAD CABLE	---	APPROVED BY			
6 QUAD JOINT	⊙	CHECKED BY			
OFC JOINT	○	BABA PROJECTS PVT. LTD.			
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
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OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
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QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
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OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
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OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
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OFC JOINT	○				
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QUAD CABLE	---				
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OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
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OFC JOINT	○				
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QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---				
6 QUAD JOINT	⊙				
OFC JOINT	○				
24 F OFC	—				
QUAD CABLE	---	</			



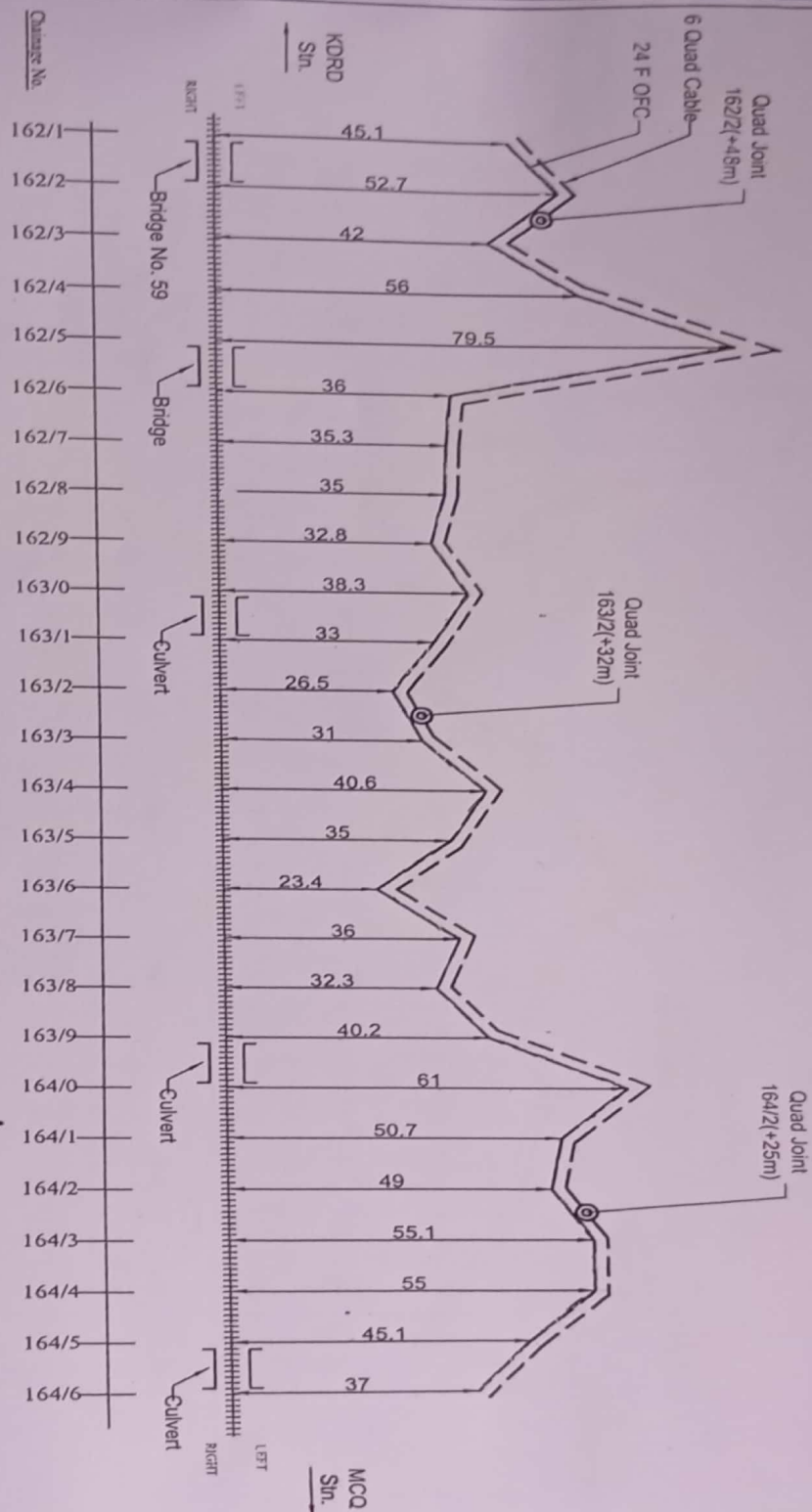
LEGENDS

STATION					
RAILWAY TRACK	+++++				
6 QUAD JOINT					
OFC JOINT					
24 F OFC	---	EAST CENTRAL RAILWAY			
QUAD CABLE	---	APPROVED BY			
LEG. GATE		CHECKED BY			
CONVERTER/RODGE		BABA PROJECTS PVT. LTD.			
PIPE		PREPARED BY:-			
MIRCHADHURI	+++	DRAWN BY:-			

DIAGRAM OF 24 F OFC & 6 QUAD CABLE FOR THE ROUTE RAMNA TO SINGRAULI

ALL DIMENSIONS ARE IN METER (NOT TO SCALE)

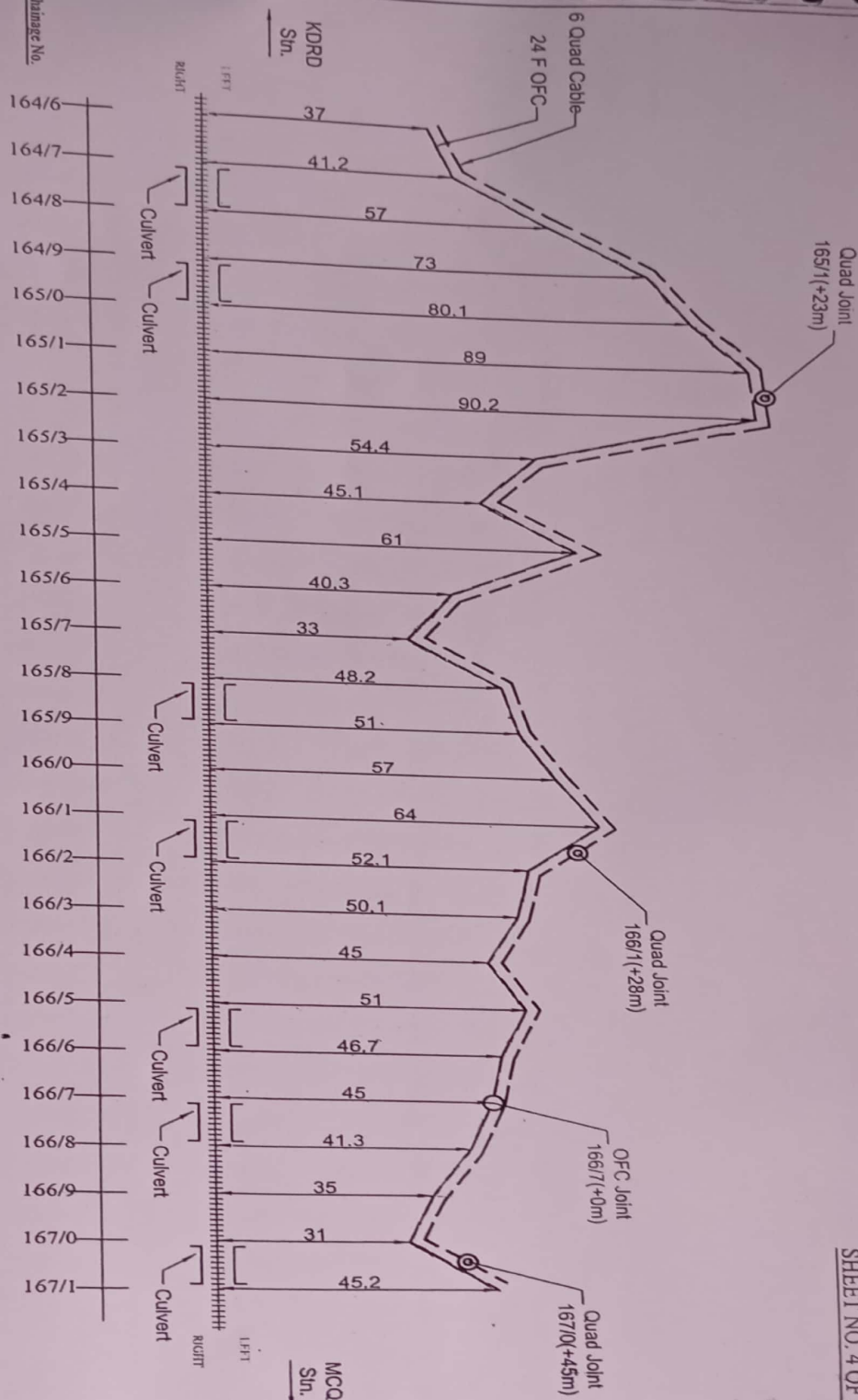
Naval Kishor Singh












LEGENDS

STATION	
RAILWAY TRACK	
6 QUAD JOINT	
24 F OFC	
QUAD CABLE	
LC SHIRT	
CULVERT/BRIDGE	
TYPE	
RAILWAY	

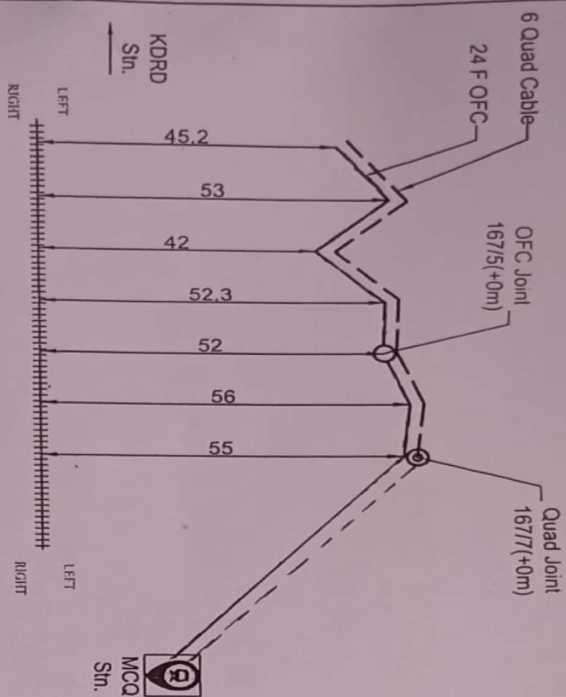
EAST CENTRAL RAILWAY		APPROVED BY		CHECKED BY		BABA PROJECTS PVT. LTD.	
DIAGRAM OF 24 F OFC & 6 QUAD CABLE FOR THE ROUTE RAMNA TO SINGRAULI							
ALL DIMENSIONS ARE IN METERS (NOT TO SCALE)		DY. CSE/TC/CON/CPU		ASTE/TC/CON/CPU		SSET/CON/CPU	
		PREPARED BY:-		DRAWN BY:-		Naresh Kumar Singh	



LEGENDS			
STATION			
RAILWAY TRACK	+++++		
6 QUAD JOINT			
QFC JOINT			
2AF QFC	----		
QUAD CABLE	----		
L.C. CABLE			
CULVERT/BIDGE			
C/PYR			
RAILINGS	+++		

EAST CENTRAL RAILWAY		APPROVED BY	CHECKED BY	BABA PROJECTS PVT. LTD.
DIAGRAM OF 2AF QFC & 6 QUAD CABLE FOR THE ROUTE RAMNA TO SINGRAULI				
ALL DIMENSIONS ARE IN METER (NOT TO SCALE)		<u>DY.CS/ET/IC/PCU</u>	<u>AS/ET/IC/PCU</u>	<u>SSE/ET/IC/PCU</u>
				<u>PREPARED BY:-</u>
				<u>DRAWN BY:-</u>

Naval Kishor Singh



Change No.

167/1
167/2
167/3
167/4
167/5
167/6
167/7

LEGENDS

STATION	
RAILWAY TRACK	+++++
6 QUAD JOINT	⊙
OFC JOINT	○
24 F OFC	---
QUAD CABLE	---
LC GATE	
CUMBERIDGE	
CI PIPE	
RAILROAD	+++

EAST CENTRAL
RAILWAY

APPROVED BY

CHECKED BY

BABA PROJECTS PVT. LTD.

DIAGRAM OF 24F OFC &
6 QUAD CABLE FOR THE
ROUTE
RAJMAA TO SINGRAULIALL DIMENSIONS ARE IN METERS
(NOT TO SCALE)

DYCST/CON/CPU

AST/CON/CPU

SSE/CON/CPU

PREPARED BY:-

DRAWN BY:-

Naval Kishor Singh



EAST CENTRAL RAILWAY

(CONSTRUCTION ORGANIZATION)

DHANBAD DIVISION

FINAL 24 F OFC & 6 QUAD ROUTE DIAGRAM

SUB-SECTIONS :-MIRCHADHURI TO KARAILA ROAD (CH.167/7-CH.175/9)

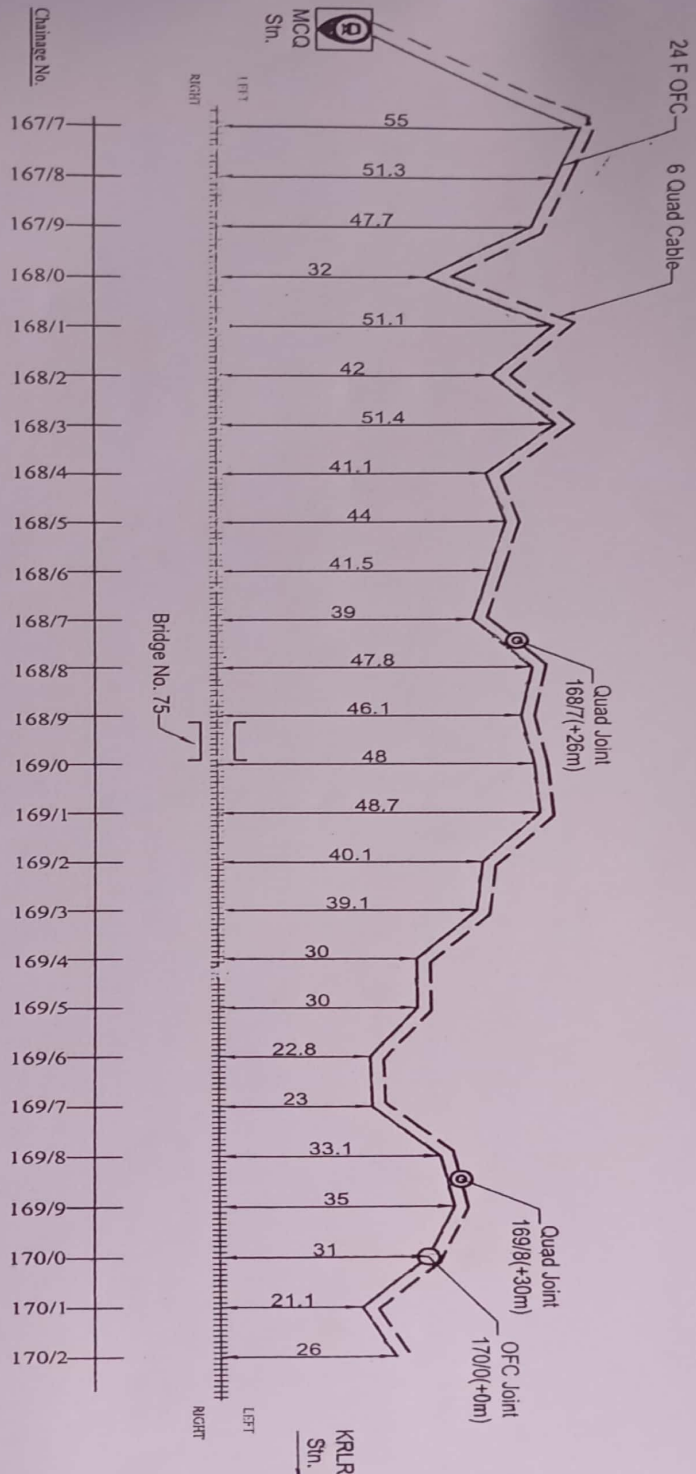
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2K/74, BARIATU HOUSING COLONY,

BARIATU, RANCHI-9, JHARKHAND

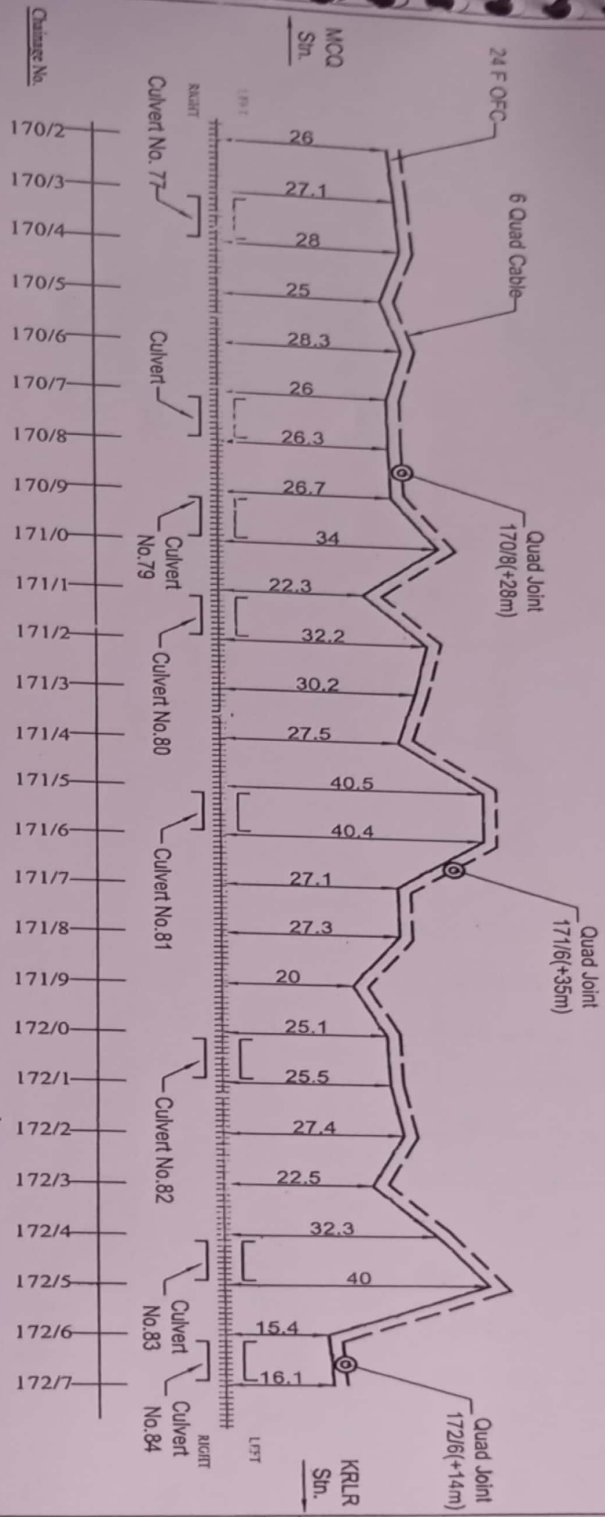
email :- bppl@bppl.org



LEGENDS	
STATION	
RAILWAY TRACK	+++++
Ø QUAD JOINT	
ØFC JOINT	
24 F ØFC	-----
QUAD CABLE	-----
4C CABLE	
CABLE BRIDGE	
CABLE	
RAILROAD	++++

<p>EAST CENTRAL RAILWAY</p>	APPROVED BY				
	CHECKED BY				
<p>BABA PROJECTS PVT. LTD.</p>					
		<p>Naval Kishor Singh</p>			

<p>ALL DIMENSIONS ARE IN METERS (X/1 TO SCALE)</p>	<p>DY.CS/TE/CON/CPU</p>	<p>AS/TE/CON/CPU</p>	<p>SS/TE/CON/CPU</p>	<p>PREPARED BY:-</p>	<p>DRAWN BY:-</p>
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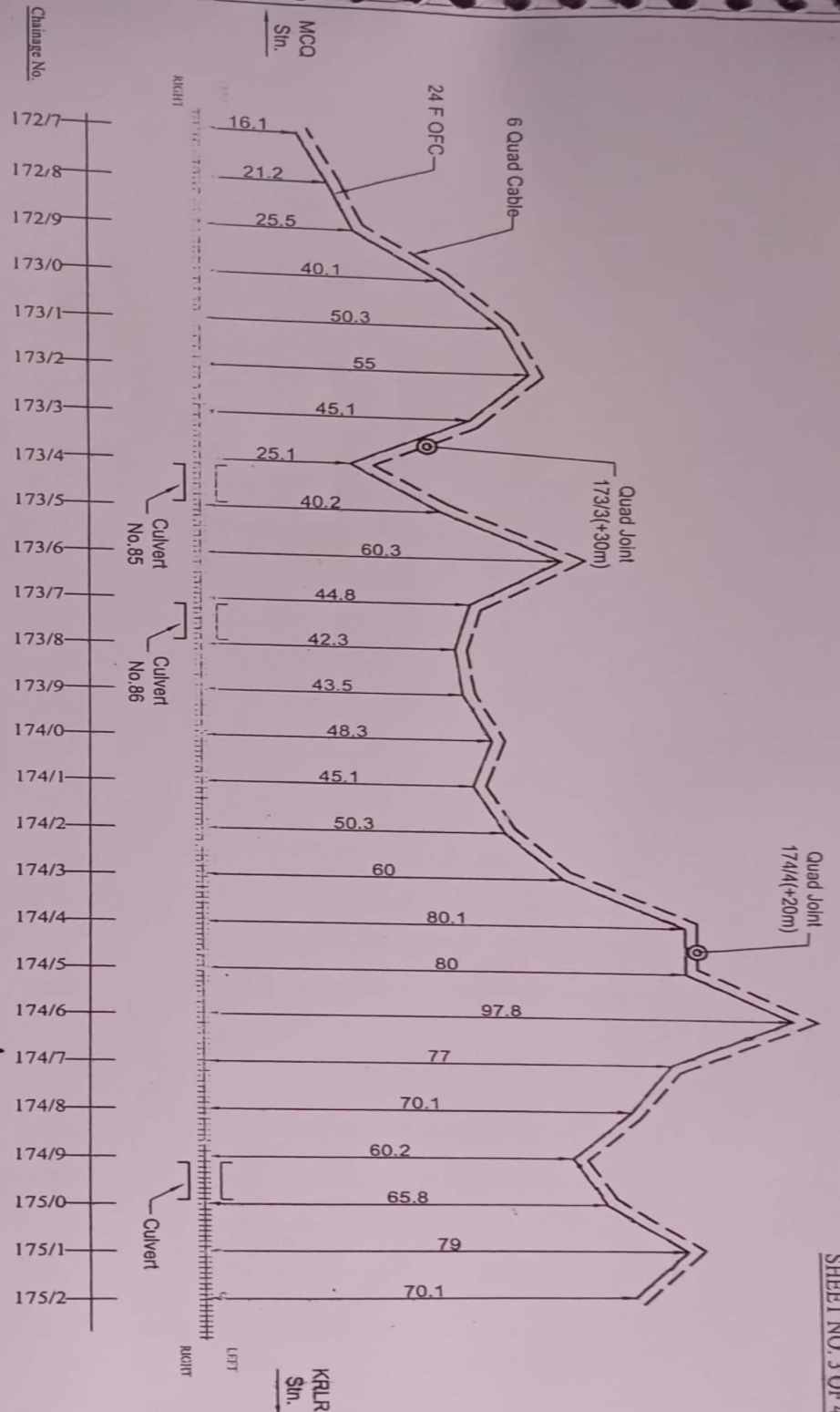


LEGENDS

STATION	③
RAILWAY TRACK	+++++
6 QUAD JOINT	⊙
OFC JOINT	○
24 F OFC	—
QUAD CABLE	- - -
LC CHAIR	⌞
CULVERT BRIDGE	⌞
PIPE	⌞
RAILWAY	+++++

EAST CENTRAL RAILWAY		APPROVED BY		CHECKED BY		BABA PROJECTS PVT. LTD.	
DIAGRAM OF 24 F OFC & 6 QUAD CABLE FOR THE ROUTE RAJNIA TO SINGRAULI		DY CSTE/ICN CPU		ASTE/ICN CPU		PREPARED BY:-	
A.L. DIMENSIONS ARE IN METERS (NOT TO SCALE)		[Signature]		[Signature]		[Signature]	
		[Signature]		[Signature]		DRAWN BY:-	
						Naval Kishor Singh	





LEGENDS

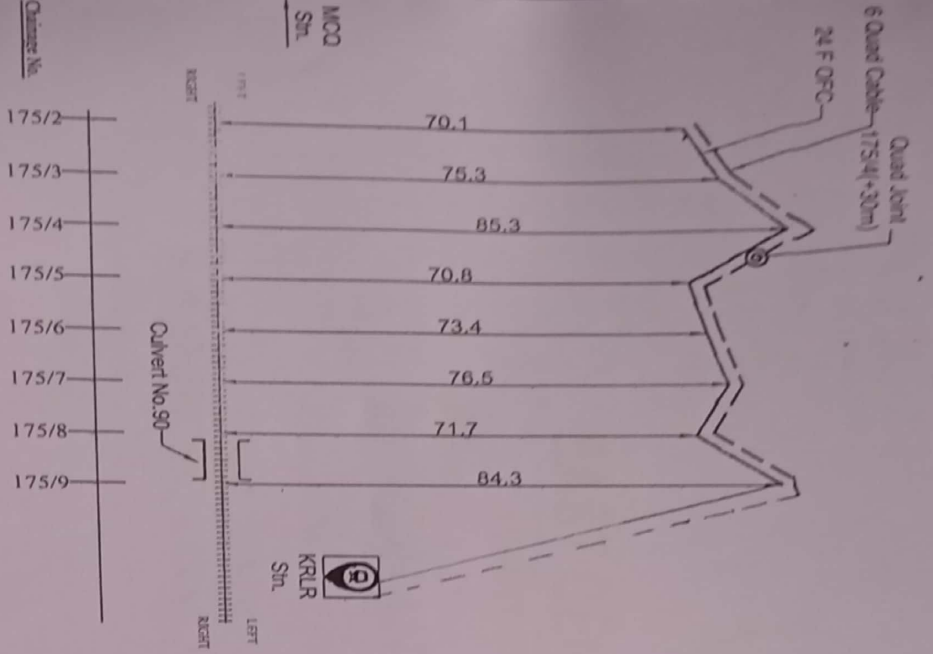
STATION	RAILWAY TRACK	6 QUAD JOINT	OFC JOINT	24 F OFC	QUAD CABLE	LO GATE	OVERBRIDGE	PIPE	RAIL
+	=====	⊙	○	—	---	⌋	⌋	⌋	
EAST CENTRAL RAILWAY					APPROVED BY				
DIAGRAM OF 24 F OFC & 6 QUAD CABLE FOR THE ROUTE RAMNA TO SINGRAULI					CHECKED BY				
ALL DIMENSIONS ARE IN METERS (NOT TO SCALE)					BABA PROJECTS PVT. LTD.				
DY. CSE/TC/CON/CPU					AST/TC/CON/CPU				
SSE/TC/CON/CPU					PREPARED BY:-				
DRAWN BY:-					Naval Kishor Singh				

RMF

24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM MIRCHADHURI TO KARAILA ROAD STATION

SGRL

SHEET NO. 4 OF 4



LEGENDS

STATION	⑨
RAILWAY TRACK	
6 QUAD JOINT	⊙
OFC JOINT	○
24 F OFC	—
QUAD CABLE	- - -
QUAD CABLE	—
QUAD CABLE	—
QUAD CABLE	—

DIAGRAM OF 24 F OFC & 6 QUAD CABLE FOR THE ROUTE RAMMA TO SINGRAU

APPROVED BY

CHECKED BY

BABA PROJECTS PVT. LTD.

Naval Kishor Singh

DIRECTOR

AST. DIR. CPU

SSE/J. CONCPU

PR. RED BY:-

DRAWN BY:-





EAST CENTRAL RAILWAY

(CONSTRUCTION ORGANIZATION)

DHANBAD DIVISION

FINAL 24 F OFC & 6 QUAD ROUTE DIAGRAM

SUB-SECTIONS :-KARAILA ROAD TO CHURKI (CH.175/9-CH.180/9)

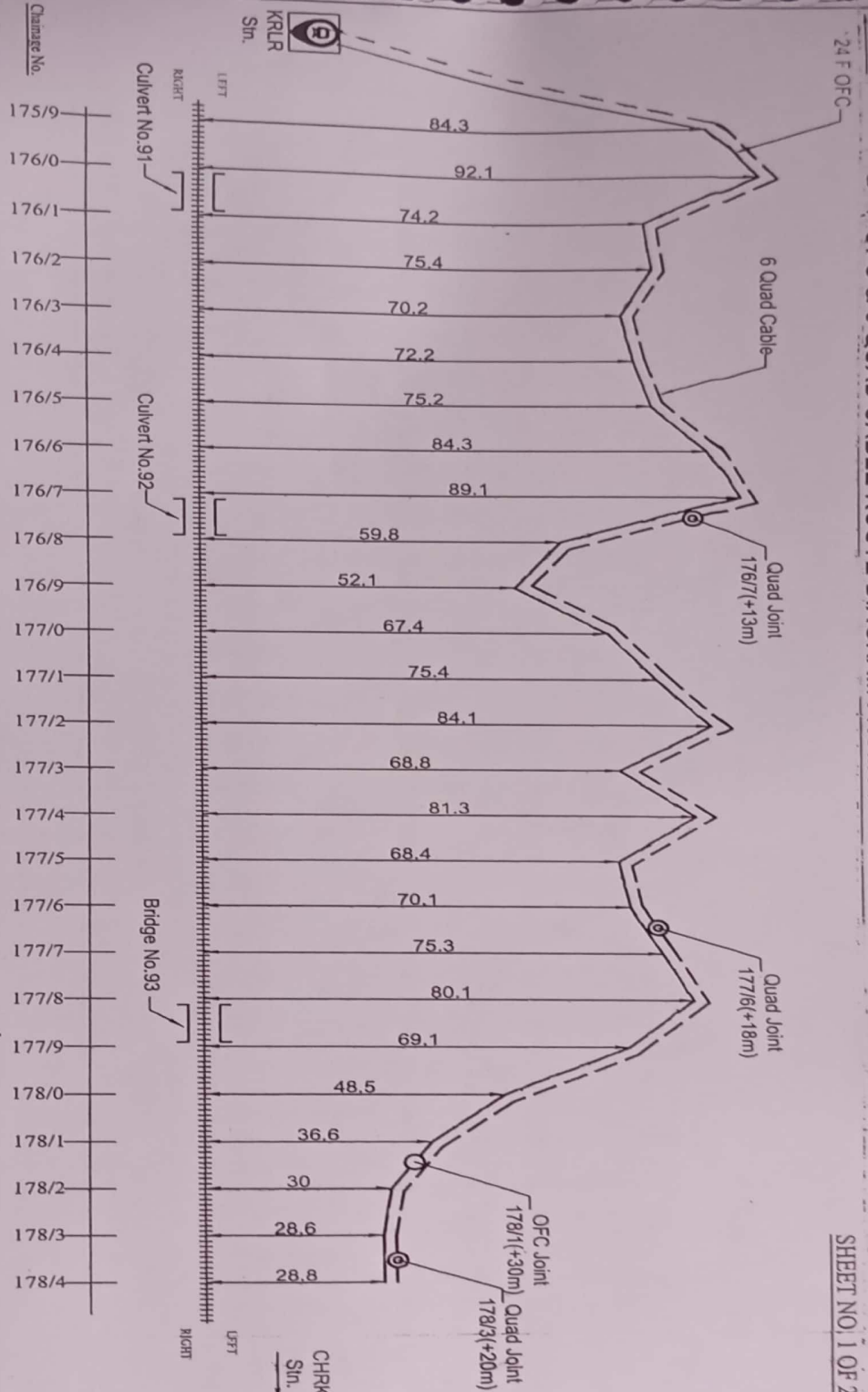
DRAWN BY:-

BABA PROJECTS PVT. LTD.

2K/74, BARIATU HOUSING COLONY,

BARIATU, RANCHI-9, JHARKHAND

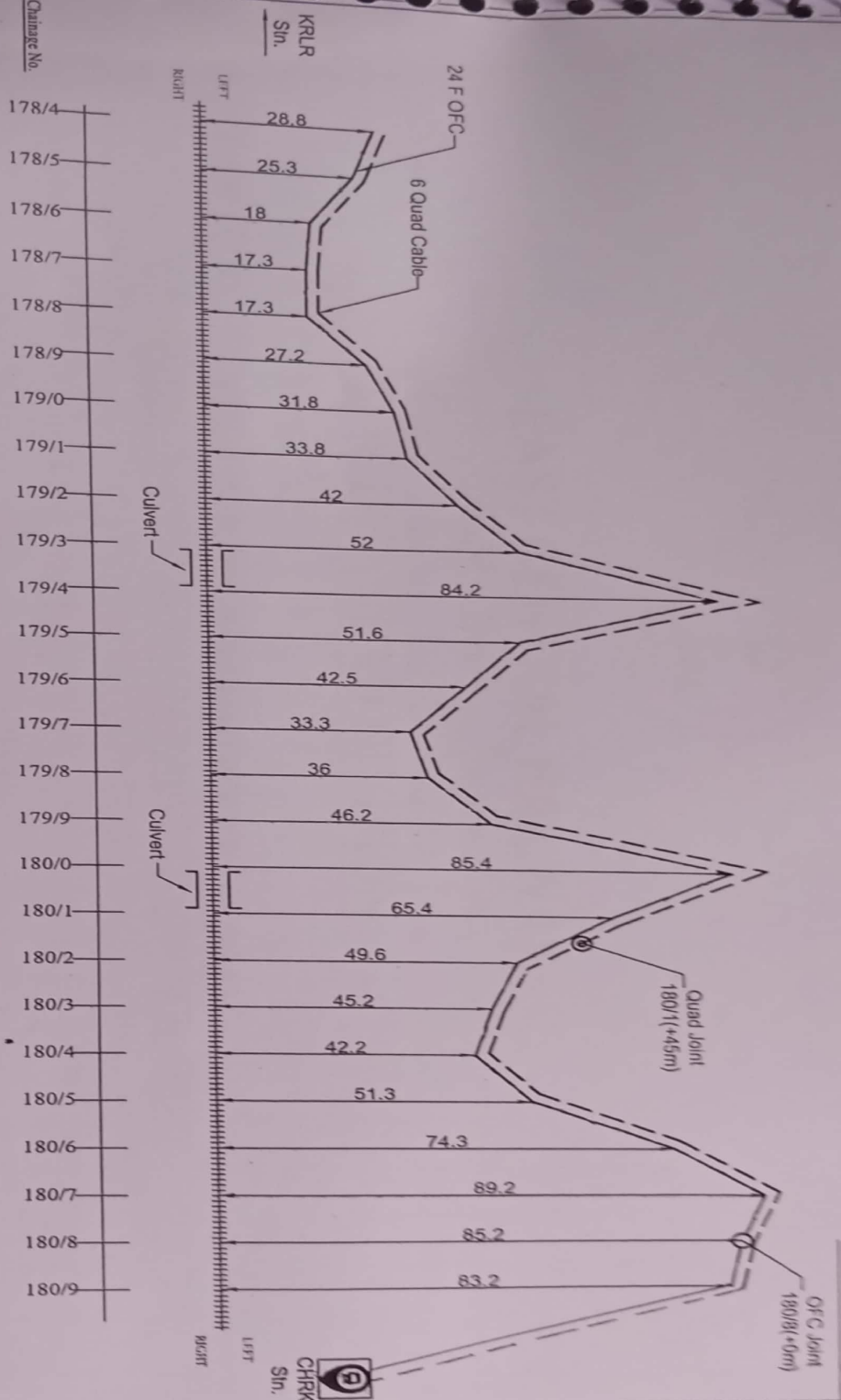
email :- bppl@bppl.org



LEGENDS

STATION	
RAILWAY TRACK	#####
6 QUAD JOINT	⊙
OFC JOINT	○
24 F OFC	---
QUAD CABLE	---
LC CABLE	---
CABLE/SPOKE	---
G.P.P.C.	---
RAILROAD	---

EAST CENTRAL RAILWAY		APPROVED BY		CHECKED BY		BABA PROJECTS PVT. LTD.	
DIAGRAM OF 24 F OFC & 6 QUAD CABLE FOR THE ROUTE RAMNA TO SINGRAULI							
ALL DIMENSIONS ARE IN METER (NOT TO SCALE)		DY.CS/TE/CON/CPU		AS/TE/CON/CPU		SSE/TE/CON/CPU	
		PREPARED BY:-		DRAWN BY:-		Navod Kishor Singh	



Change No.

LEGENDS

STATION	
RAILWAY TRACK	+++++
6 QUAD JOINT	⊙
OFC JOINT	○
24 F OFC	—
QUAD CABLE	- - -
CULVERT/BRIDGE	
CHURKI STN.	

EAST CENTRAL RAILWAY	APPROVED BY	
	CHECKED BY	
DIAGRAM OF 24 F OFC & 6 QUAD CABLE FOR THE ROUTE RAMNA TO SINGRAULI	BABA PROJECTS PVT. LTD.	
	PREPARED BY:-	
DRAWN BY:- Naval Kishor Singh		

ALL DIMENSIONS ARE IN METERS (NOT TO SCALE)

Dy. CSE/TE/CON/CPU

AST/TE/CON/CPU

SSE/TE/CON/CPU

PREPARED BY:-

DRAWN BY:-



EAST CENTRAL RAILWAY

(CONSTRUCTION ORGANIZATION)

DHANBAD DIVISION

FINAL 24 F OFC & 6 QUAD ROUTE DIAGRAM

SUB-SECTIONS :-CHURKI TO SINGRAULI (CH.408/11-CH.399/11)

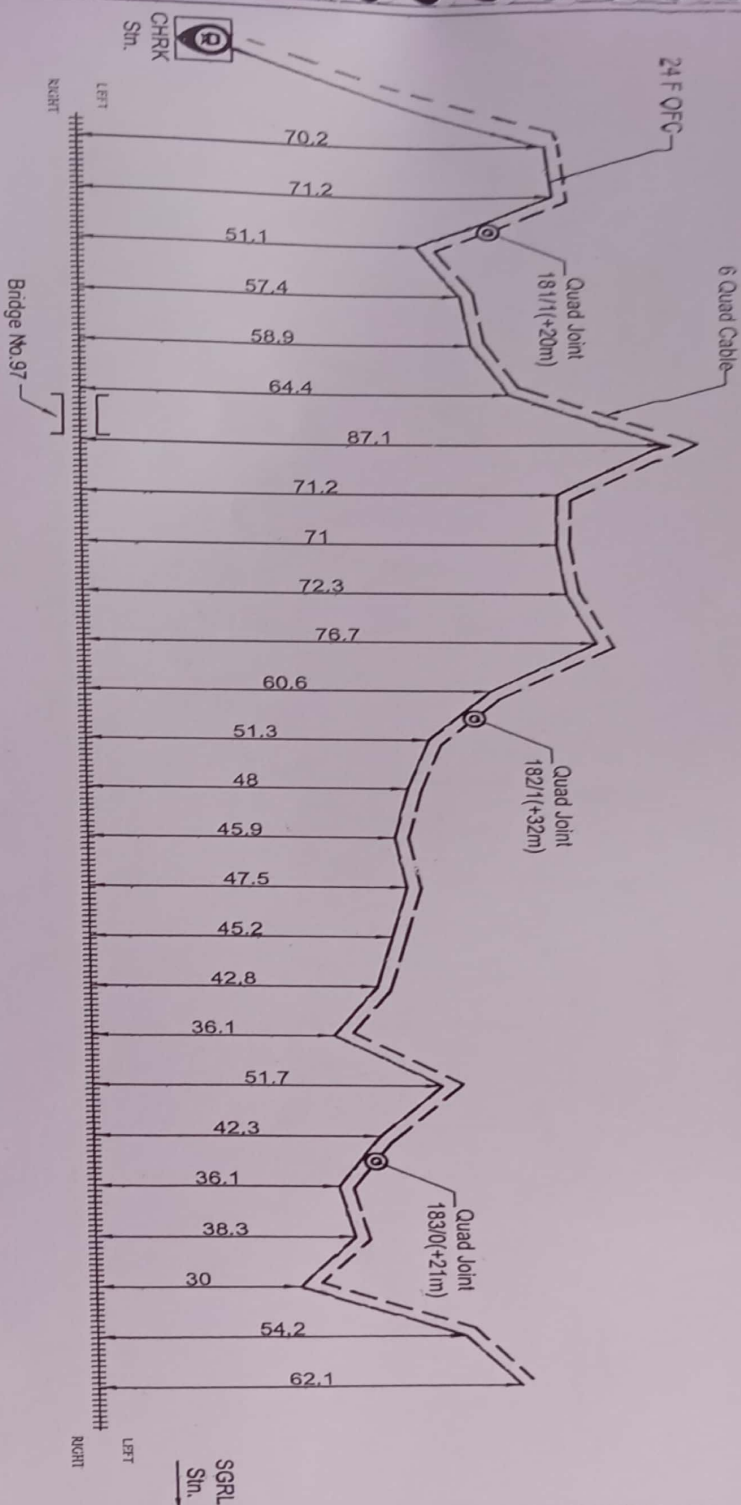
DRAWN BY:-

BABA PROJECTS PVT. LTD.

2K/74, BARIATU HOUSING COLONY,

BARIATU, RANCHI-9, JHARKHAND

email :- bppl@bppl.org



LEGENDS

Chart No.

181/0

181/1

181/2

181/3

181/4

181/5

181/6

181/7

181/8

181/9

182/0

182/1

182/2

182/3

182/4

182/5

182/6

182/7

182/8

182/9

183/0

183/1

183/2

183/3

183/4


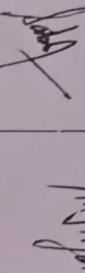

183/5

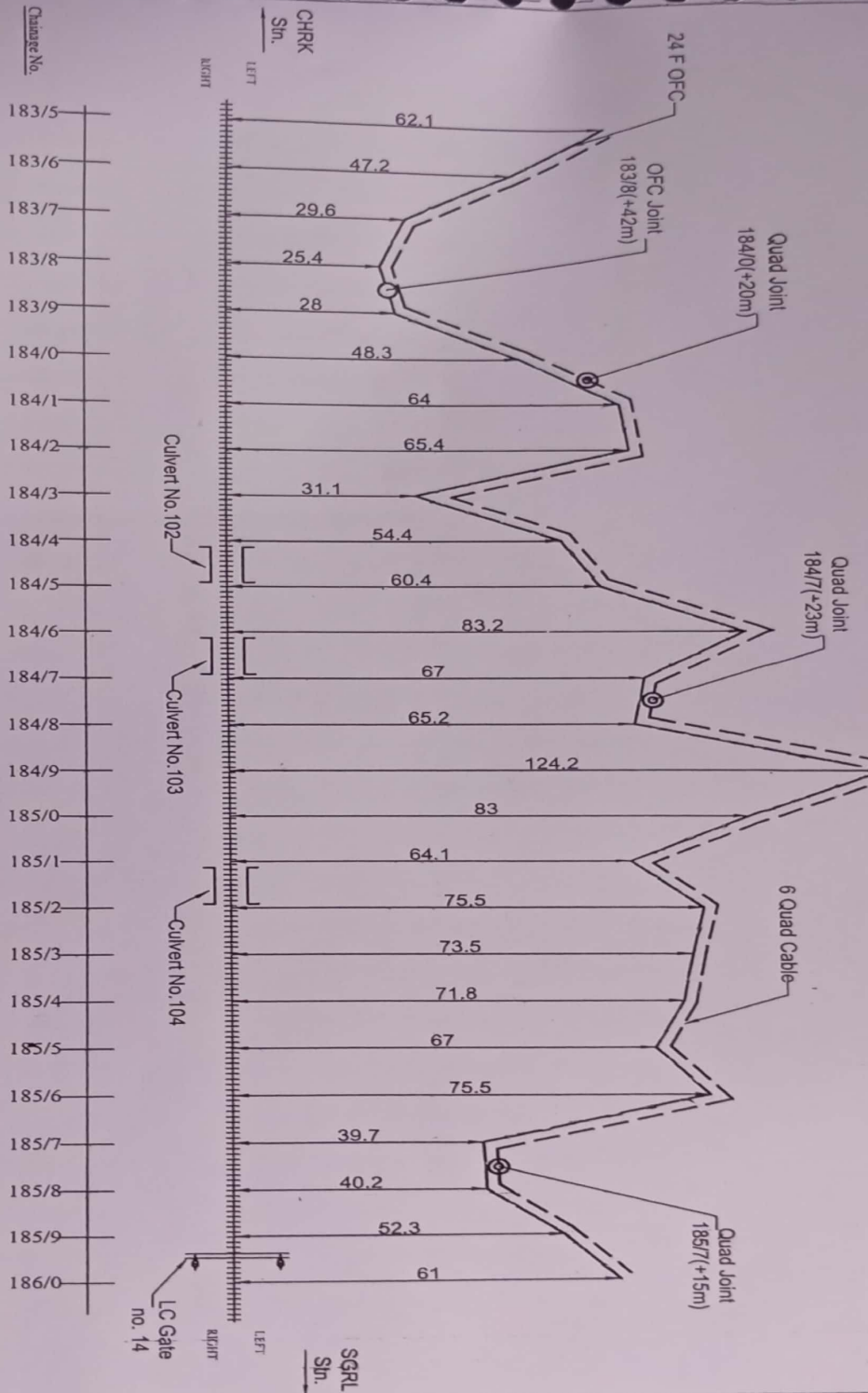
LEGENDS

STATIONRAILWAY TR6 QUAD JOINOFF JOINT

--	--

LC GATEOUR VERTICENDGMP

EAST CENTRAL RAILWAY	APPROVED BY		CHECKED BY		BABA PROJECTS PVT. LTD.
				Naval Kishor Singh	
DIAGRAM OF 24F OF C & 6 QUAD CABLE FOR THE ROUTE RAMNA TO SINGRAULI					
ALL DIMENSIONS ARE IN METERS (NOT TO SCALE)					
<u>DESIGNED/CONCPU</u>		<u>ASTE/CONCPU</u>	<u>SSE/CONCPU</u>	<u>PREPARED BY:-</u>	<u>DRAWN BY:-</u>



LEGENDS

Change No.

183/5
183/6
183/7
183/8
183/9
184/0
184/1
184/2
184/3
184/4
184/5
184/6
184/7
184/8
184/9
185/0
185/1
185/2
185/3
185/4
185/5
185/6
185/7
185/8
185/9
186/0

STATION

RAILWAY TRACK

6 QUAD JOINT

24 F OFC

QUAD CABLE

CULVERT/BRIDGE

LC GATE

ALL DIMENSIONS ARE IN METER (NOT TO SCALE)

DIAGRAM OF 24 F OFC & 6 QUAD CABLE FOR THE ROUTE RAMNA TO SINGRAULI

APPROVED BY

CHECKED BY

BABA PROJECTS PVT. LTD.

Naval Kishor Singh



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