

OFC ROUTE DIAGRAM

FOR

RAILTEL CORPORATION OF INDIA LIMITED



OFC route traced by Cable route locator made by 3m, Model - Dynalab-2550-EST3. OFC depth shown in this route diagram is the approximate value calculated by cable route tracer Singh

SECTION : PATNA-PUNPUN

Submitted on dt 25/09/12

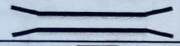
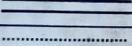
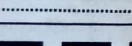
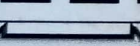
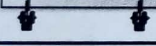
Singh
25/09/12

Manager
Railtel Corporation of India
Eastern Region, Patna

THE MINING AND ENGINEERING CORPORATION

DD HOUSE, P-32, KASBA INDUSTRIAL ESTATE,
PHASE-I, KOLKATA-700107.
Phone: 033 - 40016363.

LEGENDS OF OFC ROUTE DIAGRAM

	OFC Cable Laid Through Open Trench
	OFC Cable Laid Through HDPE Duct
	Bridge
	Culvert
	Horizontal Directional Drilling Machine Point With OFC Joint Enclosure
	Horizontal Directional Drilling Machine HDPE Duct Coupling Point
	Horizontal Directional Drilling Machine Point With OFC Joint Enclosure Chamber Pit
	OFC Joint Enclosure Without Chamber Pit
	OFC Joint Enclosure With Chamber Pit
	GI Pipe
	RCC Pipe
	Retiring Wall
	Road Over Bridge
	Railway Level Crossing Gate

Section : **PATNA to PUNPUN** (Sheet No.: 1 to 14)

Block Sections : (i) **PATNA to PARSA BAZAAR** (Sheet No.: 1 to 8)
 (ii) **PARSA BAZAAR to PUNPUN** (Sheet No.: 9 to 14)

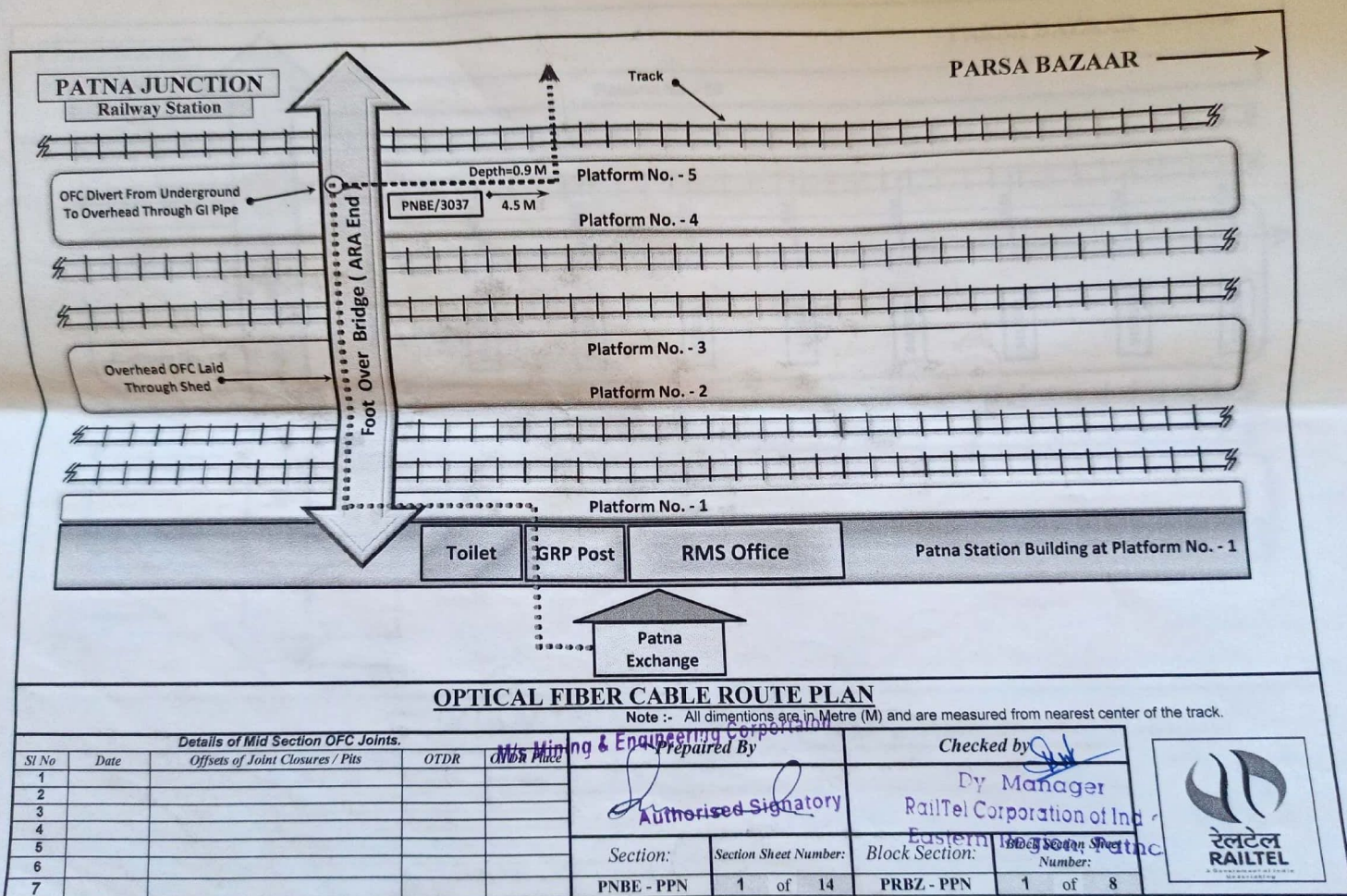
Drawn By :

[Signature]
 Authorised Signatory
 Dy. Manager

Checked By :

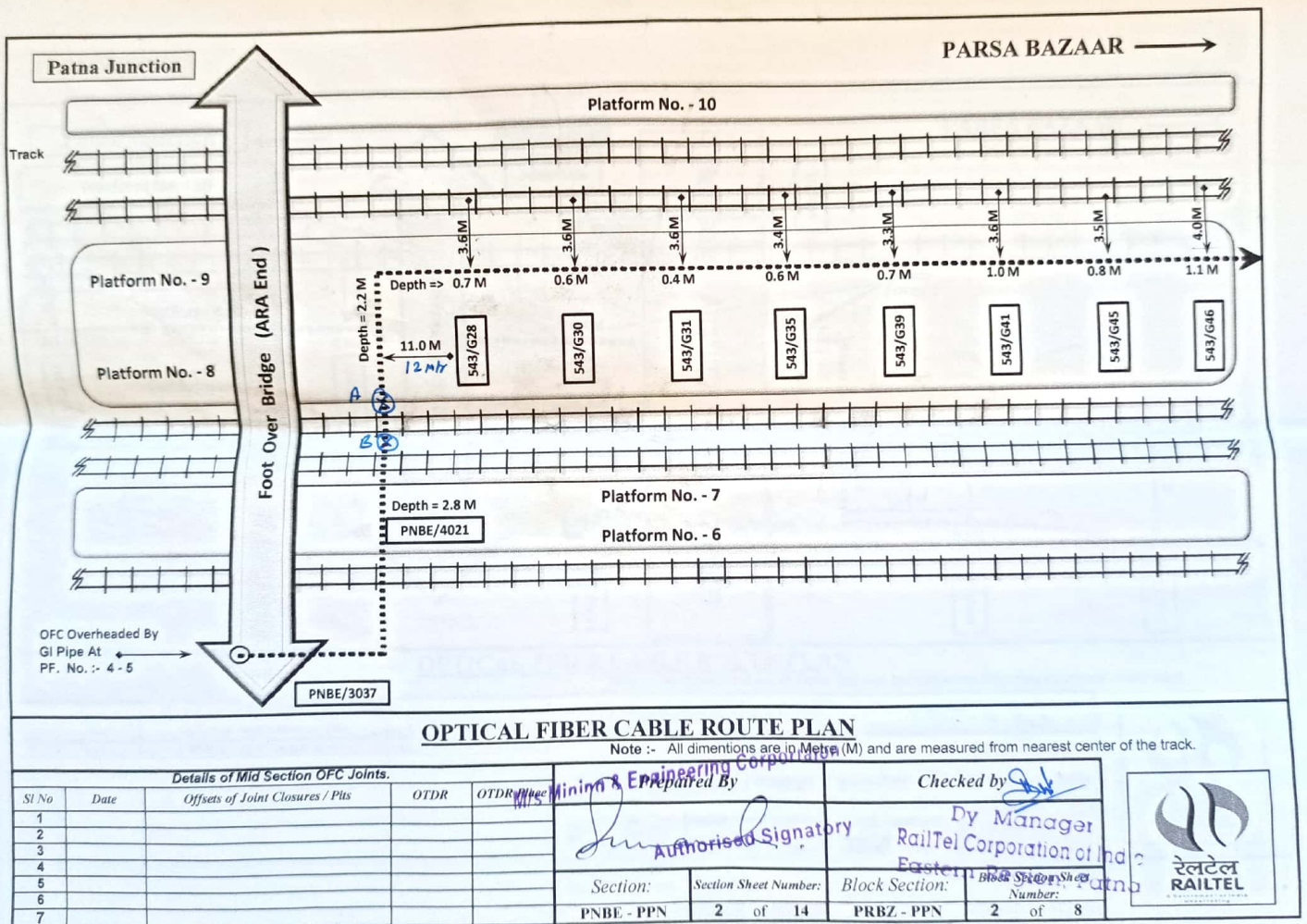
[Signature]
 RailTel Corporation of India
 Eastern Region, Patna

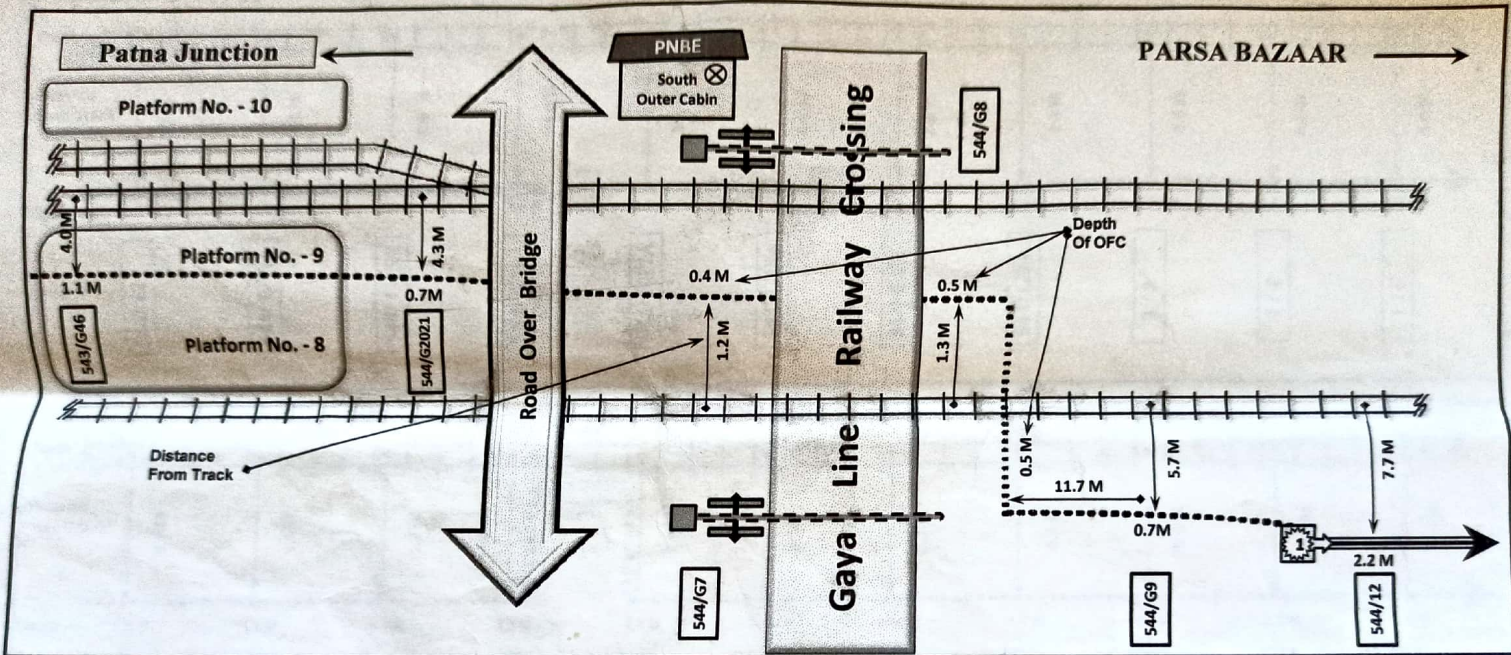




$$A = 543/G28 - 12.0 \text{ mtr},$$

$$B = 543/G28 - 12.0 \text{ mtr},$$





OPTICAL FIBER CABLE ROUTE PLAN

Note :- All dimensions are in Metre (M) and are measured from nearest center of the track.

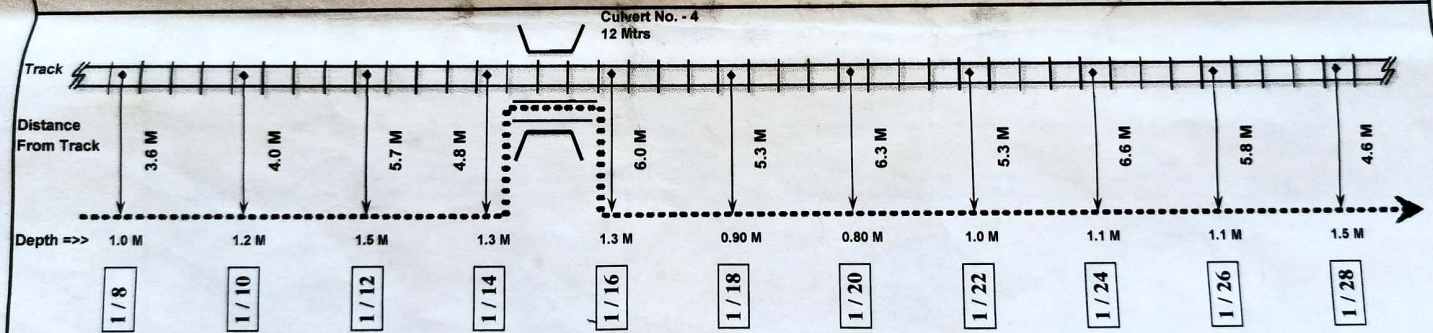
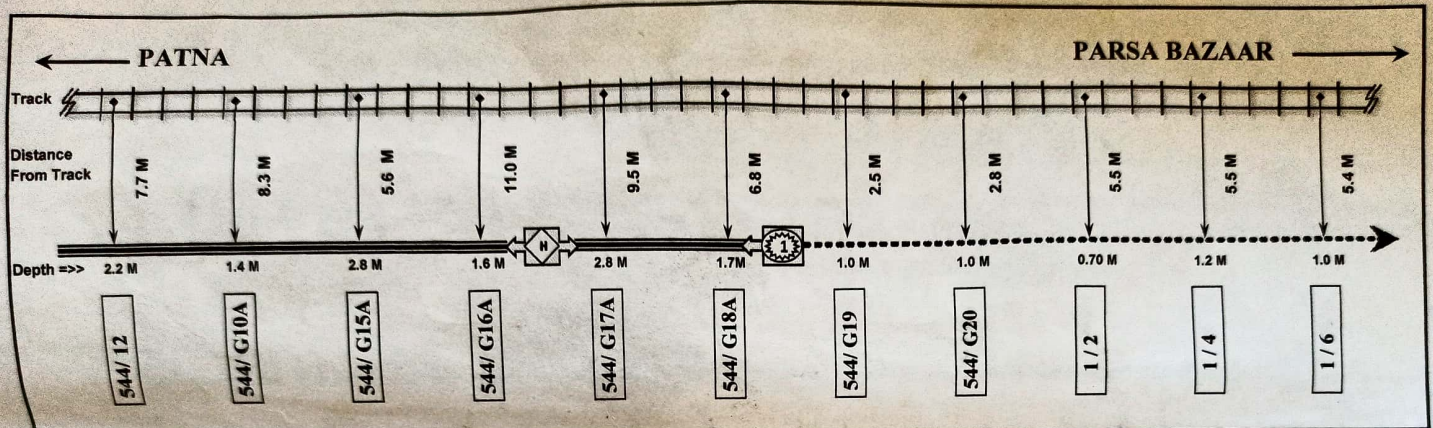
Details of Mid Section OFC Joints.

Sl No	Date	Offsets of Joint Closures / Pits	OTDR	OTDR Place
1		544/G12 - 14 Mtrs, 6.6 Mtrs	HDD Point, Joint Closure	
2				
3				
4				
5				
6				
7				

Prepared by: *[Signature]*
 Checked by: *[Signature]*
 Dy Manager
 RailTel Corporation of India
 Eastern Region, Patna

Section: PNBE - PPN Section Sheet Number: 3 of 14 Block Section: PRBZ - PPN Block Section Sheet Number: 3 of 8





OPTICAL FIBER CABLE ROUTE PLAN

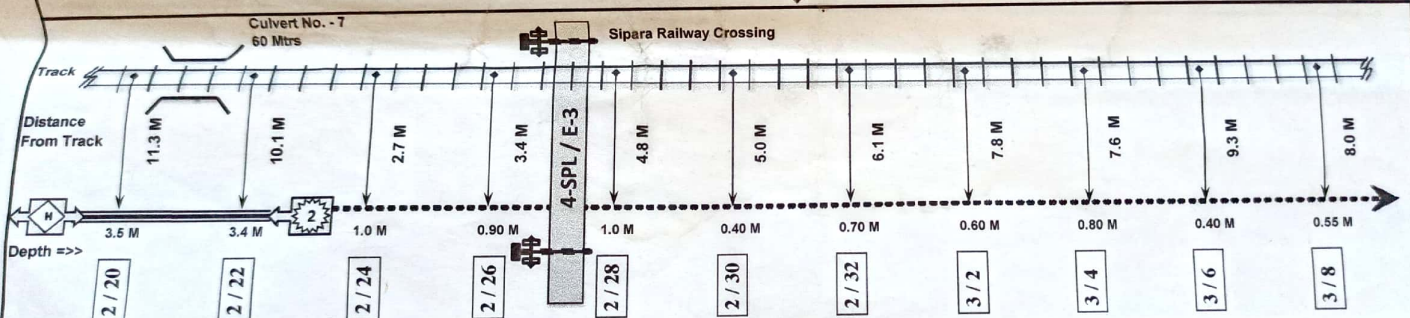
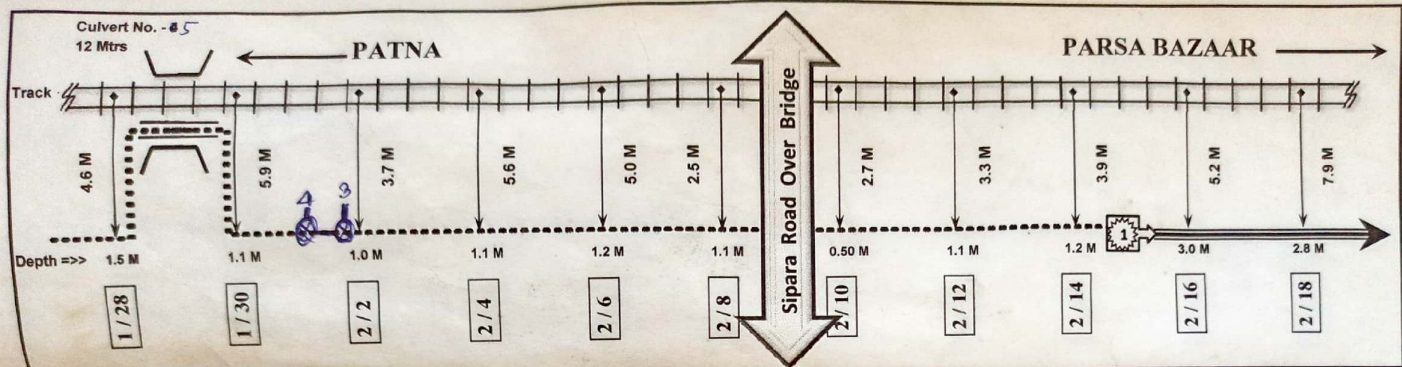
Note :- All dimensions are in Metre (M) and are measured from nearest center of the track.

Details of Mid Section OFC Joints.

Sl No	Date	Offsets of Joint Closures / Pits	OTDR	OTDR Place
1		544/G19 - 21.3 Mtrs, 3.7 Mtrs	HDD Point, Joint Pit	
2				
3				
4				
5				
6				
H		544/G16A + 8.8 Mtrs, 6.5 Mtrs	HDD Coupling Point	

Section: PNBE - PPN		Section Sheet Number: 4 of 14		Block Section: PRBZ - PPN		Block Section Sheet Number: 4 of 8	
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OPTICAL FIBER CABLE ROUTE PLAN

Note :- All dimensions are in Metre (M) and are measured from nearest center of the track.

Details of Mid Section OFC Joints.

Sl No	Date	Offsets of Joint Closures / Pits	OTDR	OTDR Pits
1		2/16 - 21.8 Mtrs, 5.4 Mtrs	HDD Point, Joint Closure	
2		2/24 - 9.2 Mtrs, 4.9 Mtrs	HDD Point, Joint Closure	
3		2/2 - 0.8 mtrs, 3.5 mtrs		
4		2/2 - 8.0 mtrs, 8.5 mtrs		
5				
6				
H		2/20 - 21.6 Mtrs, 9.6 Mtrs	HDD Coupling Point	

Section:

Section Sheet Number:

Block Section:

Block Section Sheet Number:

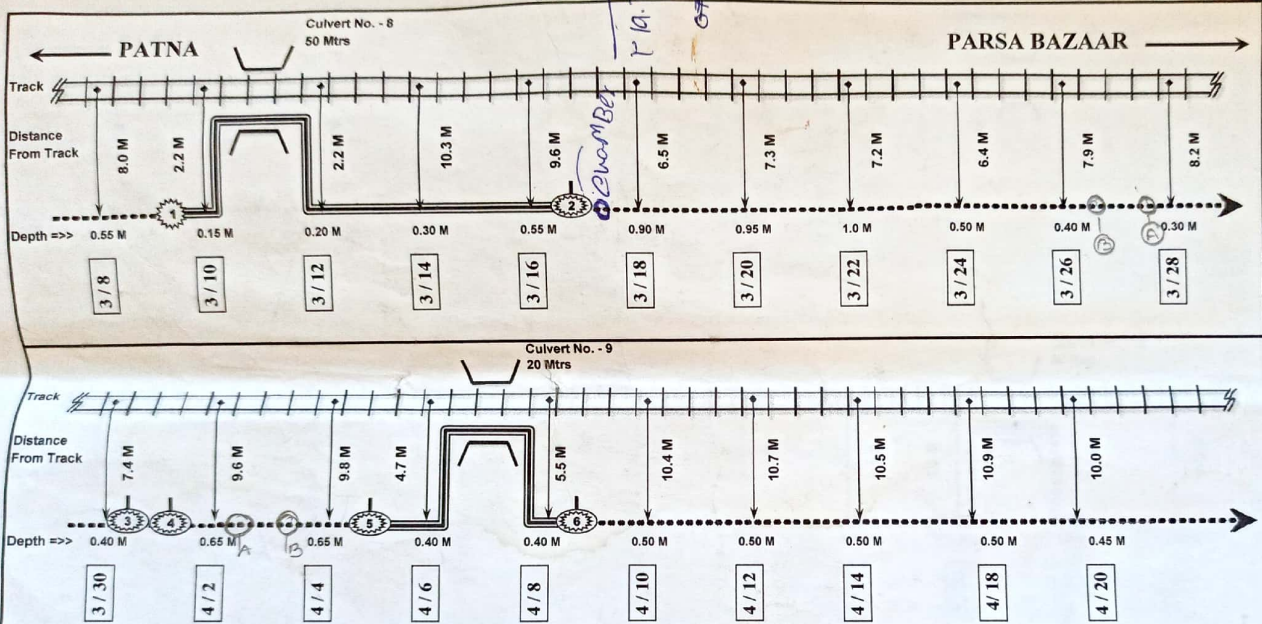
PNBE - PPN

5 of 14

PRBZ - PPN

5 of 8





OPTICAL FIBER CABLE ROUTE PLAN

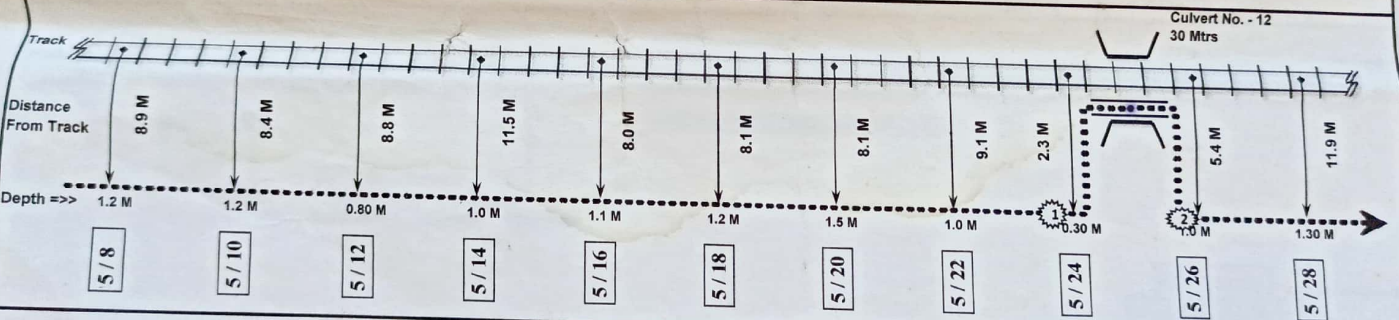
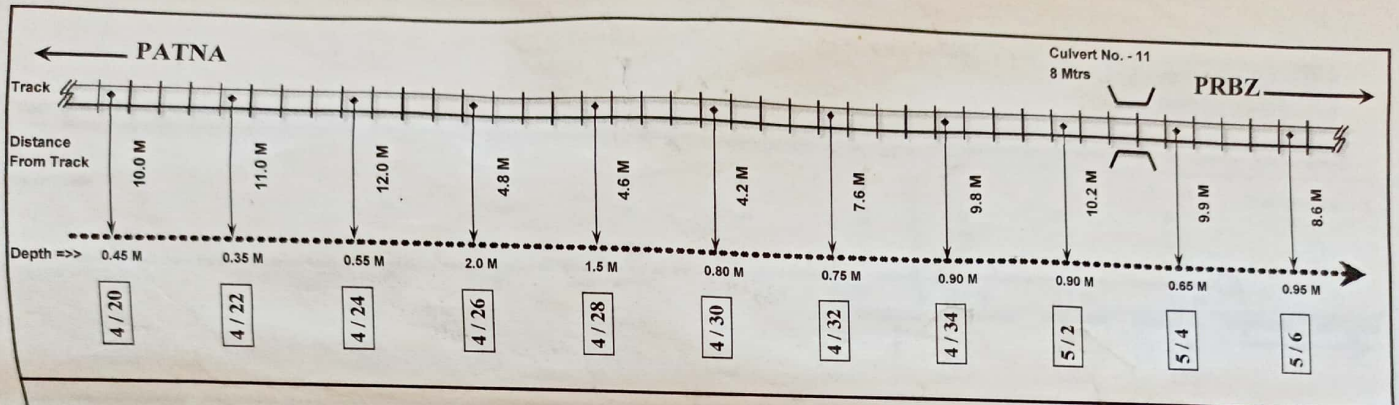
Note :- All dimensions are in Metre (M) and are measured from nearest center of the track.

Details of Mid Section OFC Joints.				Prepared By Corporation		Checked by	
Sl No	Date	Offsets of Joint Closures / Pits	OTDR	OTDR PPM	Minha & Engineering Corporation	RailTel Corporation of India	Eastern Region, Patna
1							
2		3/16 + 19.7 Mtrs, 7.6 Mtrs	4.159 Km	PNBE			
3	26.03.2011	3/30 + 14.6 Mtrs, 10.5 Mtrs	4.598 Km	PNBE			
4		3/30 + 20 Mtrs, 10.5 Mtrs					
5		4/4 + 25.8 Mtrs, 7.7 Mtrs					
6		4/8 + 12.5 Mtrs, 10 Mtrs			Section:	Block Section:	
7					PNBE - PPN	PRBZ - PPN	
					Section Sheet Number: 6 of 14	Block Section Sheet Number: 6 of 8	



22/06/2013

A - 4/2 + 14 x 10.5
B - 4/2 + 27 x 10.5

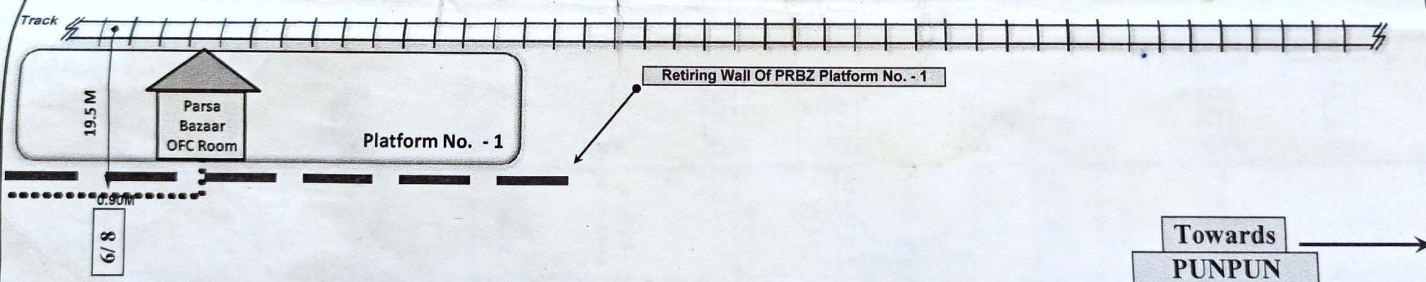
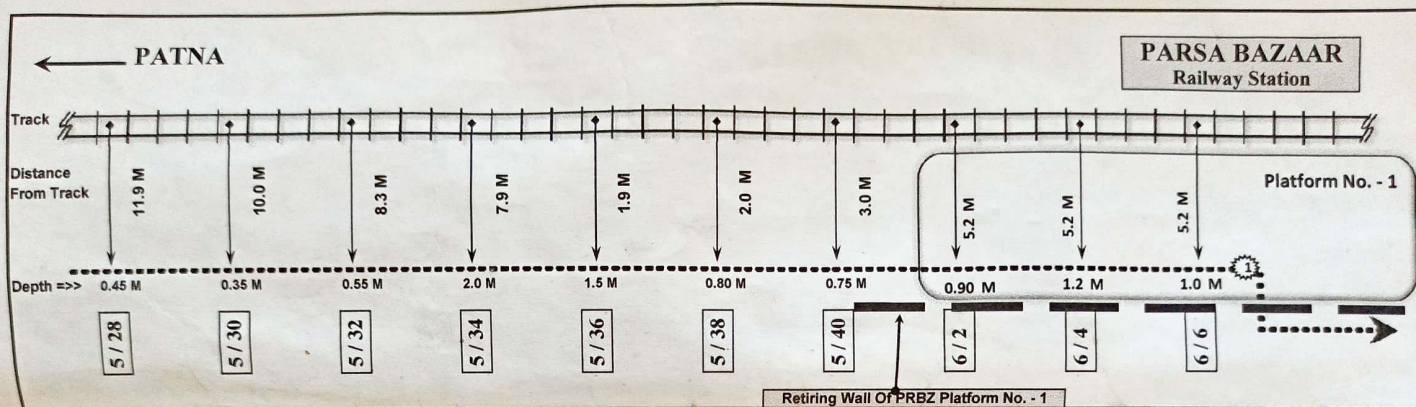


OPTICAL FIBER CABLE ROUTE PLAN

Note :- All dimensions are in Metre (M) and are measured from nearest center of the track.

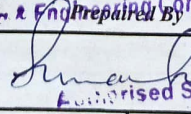
Details of Mid Section OFC Joints.					RailTel Corporation of India Ltd.			
Sl No	Date	Offsets of Joint Closures / Pits	OTDR	OTDR Place	Checked by			
1		5/24 - 4.5 Mtrs, 5.5 Mtrs			 Authorized Signatory Eastern Region			
2		5/26 - 1.8 Mtrs, 5.2 Mtrs						
3								
4								
5								
6					Section:	Section Sheet Number:	Block Section:	Block Section Sheet Number:
7					PNBE - PPN	7 of 14	PRBZ - PPN	7 of 8



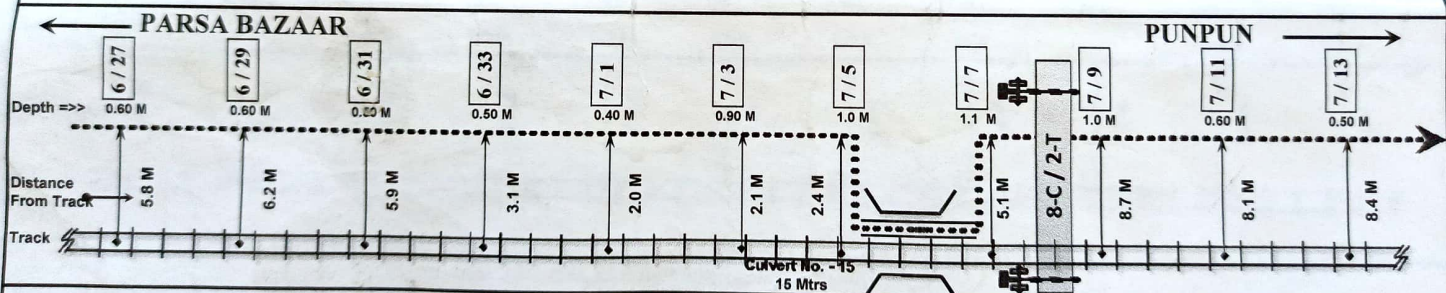
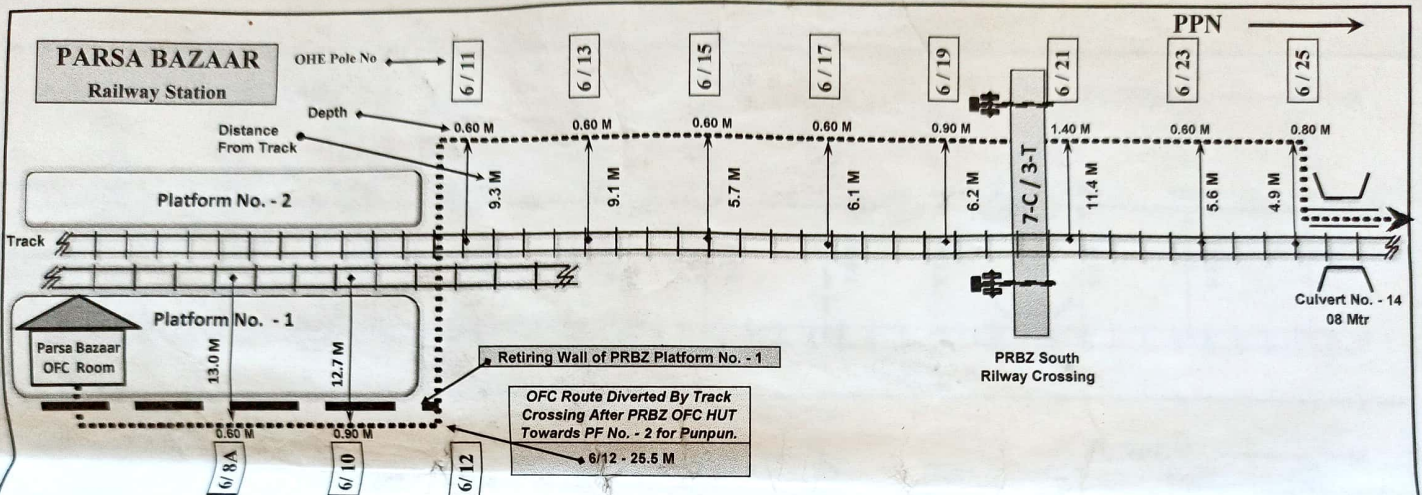


OPTICAL FIBER CABLE ROUTE PLAN

Note :- All dimentionations are in Metre (M) and are measured from nearest center of the track.

Details of Mid Section OFC Joints.					Prepared By		Checked by	
Sl No	Date	Offsets of Joint Closures / Pits	OTDR	OTDR	RailTel Corporation of India Ltd.		By Manager	
1		6/6 + 3.8 Mtrs, 10.1 Mtrs			 Authorised Signatory		RailTel Corporation of India Ltd. Eastern Region, Patna	
2								
3								
4								
5								
6								
7								
					Section:	Section Sheet Number:	Block Section:	Block Section Sheet Number:
					PNBE - PPN	8 of 14	PRBZ - PPN	8 of 8





OPTICAL FIBER CABLE ROUTE PLAN

Note :- All dimensions are in Metre (M) and are measured from nearest center of the track.

Details of Mid Section OFC Joints.				Prepared By		Checked by	
Sl No	Date	Offsets of Joint Closures / Pits	OTDR	OTDR Plot			
1							
2							
3							
4							
5							
6							
7							

Mineral Engineering Corporation

Authorised Signatory

Section: PNBE - PPN

Section Sheet Number: 9 of 14

Block Section: PRBZ - PPN

Block Section Sheet Number: 1 of 6

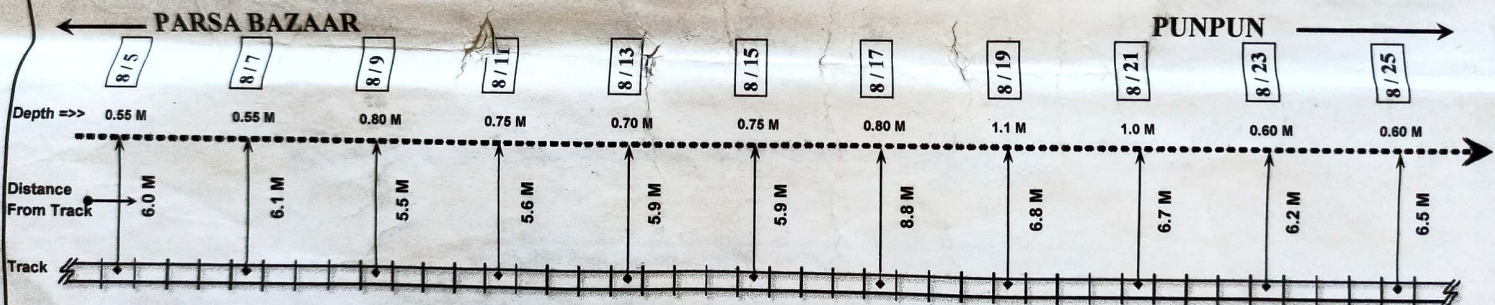
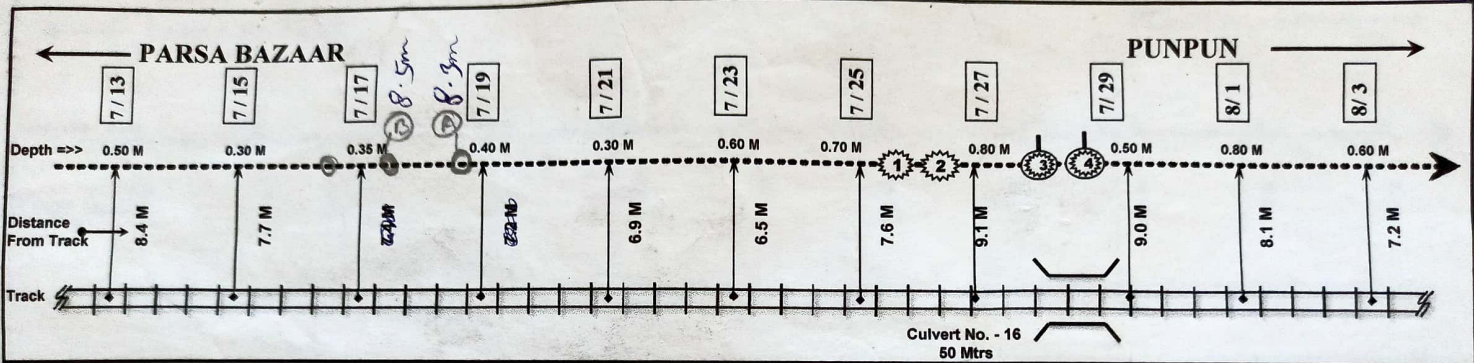
Checked by

By Manager

RailTel Corporation of India

Eastern Region, Patna





OPTICAL FIBER CABLE ROUTE PLAN

Note :- All dimensions are in Metre (M) and are measured from nearest center of the track.

Details of Mid Section OFC Joints.

Sl No	Date	Offsets of Joint Closures / Pits	OTDR	OTDR Place
1		7/27 - 24 Mtrs, 8.5Mtrs		
2		7/27 - 21 Mtrs, 8.5Mtrs		
3		7/29 - 10 Mtrs, 9.9 Mtrs		
4	01.06.2012	7/29 - 6 Mtrs, 10.3 Mtrs	9.147 Km	Failure Spot to PNBE
5				
6				
7				

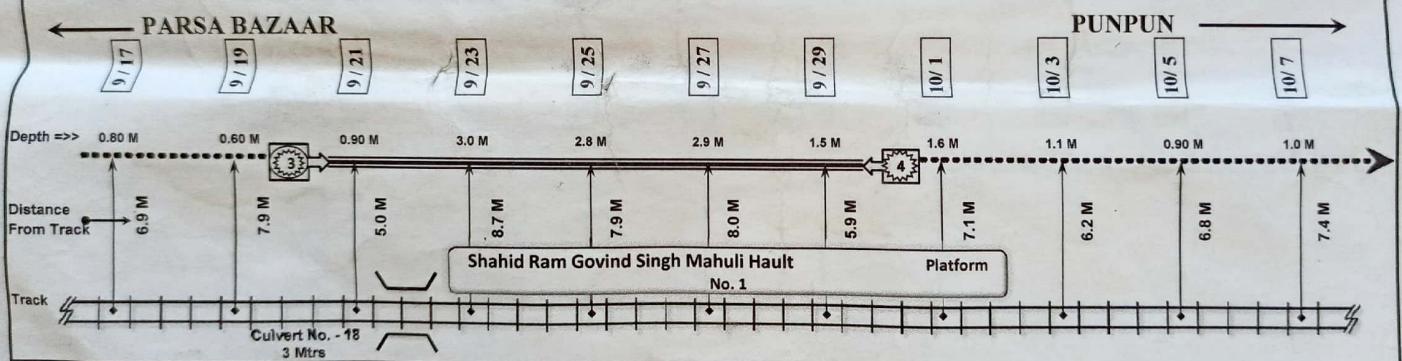
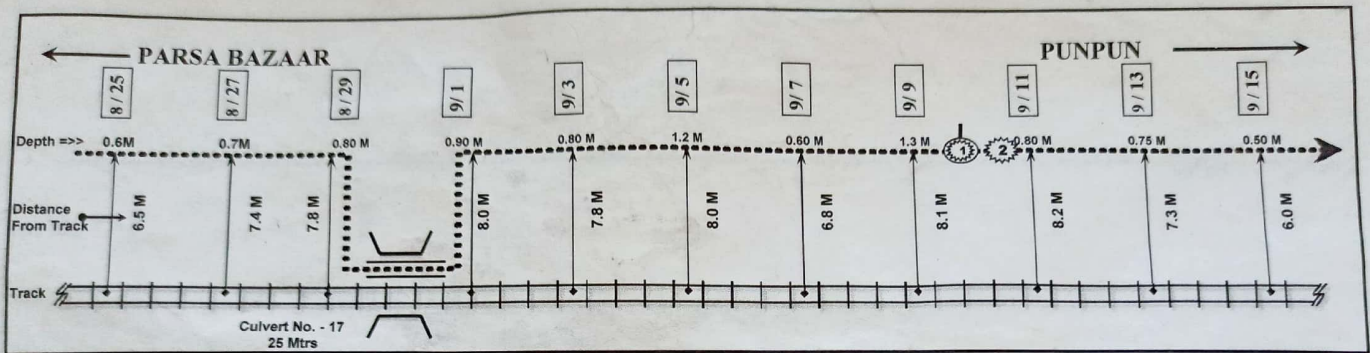
Union & Engineering Corporation

Authorised Signatory

Checked by
Py Manoj Kumar
RailTel Corporation of India
Eastern Region, Patna

Section:	Section Sheet Number:	Block Section:	Block Section Sheet Number:
PNBE - PPN	10 of 14	PRBZ - PPN	2 of 6





OPTICAL FIBER CABLE ROUTE PLAN

Note :- All dimensions are in Metre (M) and are measured from nearest center of the track.

Details of Mid Section OFC Joints.				Checked by <i>[Signature]</i> By Manager	
Sl No	Date	Offsets of Joint Closures / Pits	OTDR	OTDR Place	<i>[Signature]</i> Authorised Signatory Prerna Engineering Corporation RailTel Corporation of India Eastern Region, Patna
1	21.07.2012	9/11 - 13 Mtrs, 8.4 Mtrs	10.631 Km	PNBE	
2		9/11 - 9.5 Mtrs, 8.4 Mtrs			
3		9/21 - 8.3 Mtr, 5.8 Mtrs		HDD Point, Joint Pit	
4		9/29 + 5 Mtrs, 7.4 Mtrs		HDD Point, Joint Closure	
5					
6					
7					
		Section: PNBE - PPN		Section Sheet Number: 11 of 14	Block Section: PRBZ - PPN
				Block Section Sheet Number: 3 of 6	



