

Optical Fibre & 4 Quad Cable Route Plan

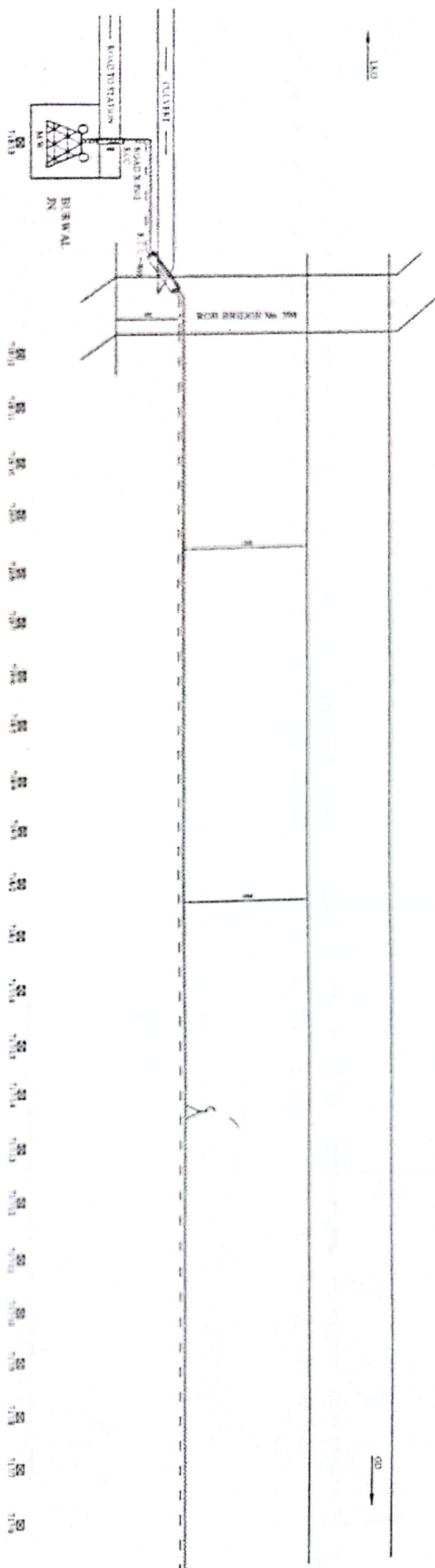
(SUDHWAL - GONDA)

WER

Submitted by:

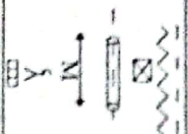
M/s Karan Singh & Sons

**84/22, Anand Vihar, Bagambari Road, Bharadhwaj Puram
Allahabad(U.P)**



LEGENDS:

1. OFC Route
2. 4 Quad Route
3. Telecom Post
4. GI/RCC Pipe
5. Horizontal Dike of OFC Route from
6. Railway track
7. Emergency Post



Sign - Telecom Post
Sign - Telecom Post

Sign - Telecom Post
Sign - Telecom Post

Sign - Telecom Post
Sign - Telecom Post

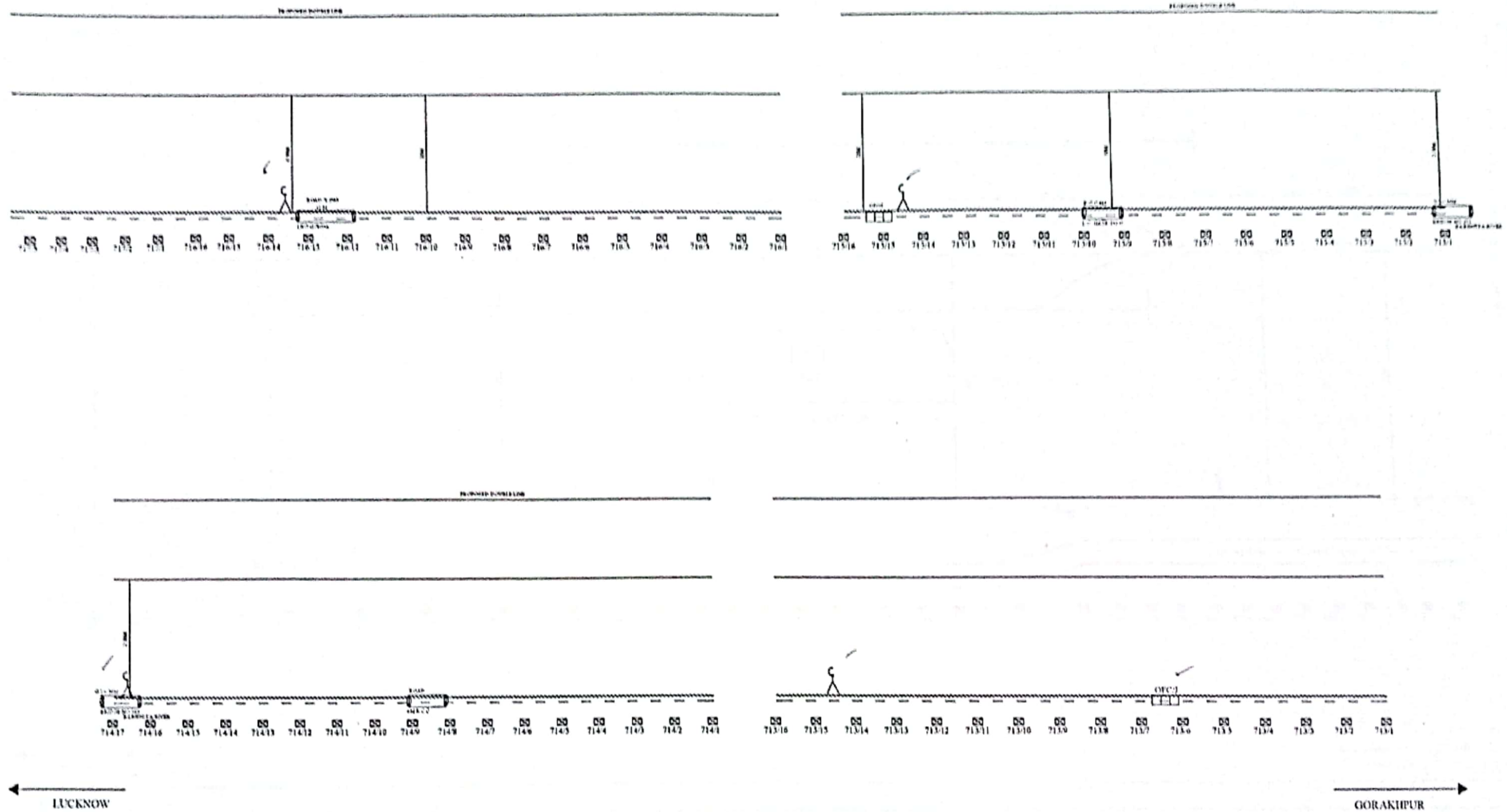
Sign - Telecom Post
Sign - Telecom Post

Sign - Telecom Post
Sign - Telecom Post

M/s. Karam Singh & Sons
Allahabad

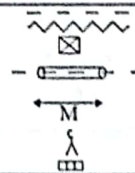
OFC Route Plan for Gonda - Burwal
Section of NER

Sheet No - 1 of 24



LEGENDS:

1. OFC Route:
2. 4 Quad Route
3. Telecom Post:
4. G.I./RCC Pipe:
5. Horizontal Dist. of OFC Route from Railway track
6. Emergency Post
7. OFC Joint



Raghu Nath
Sign - C.TI/Con/S & T/NER

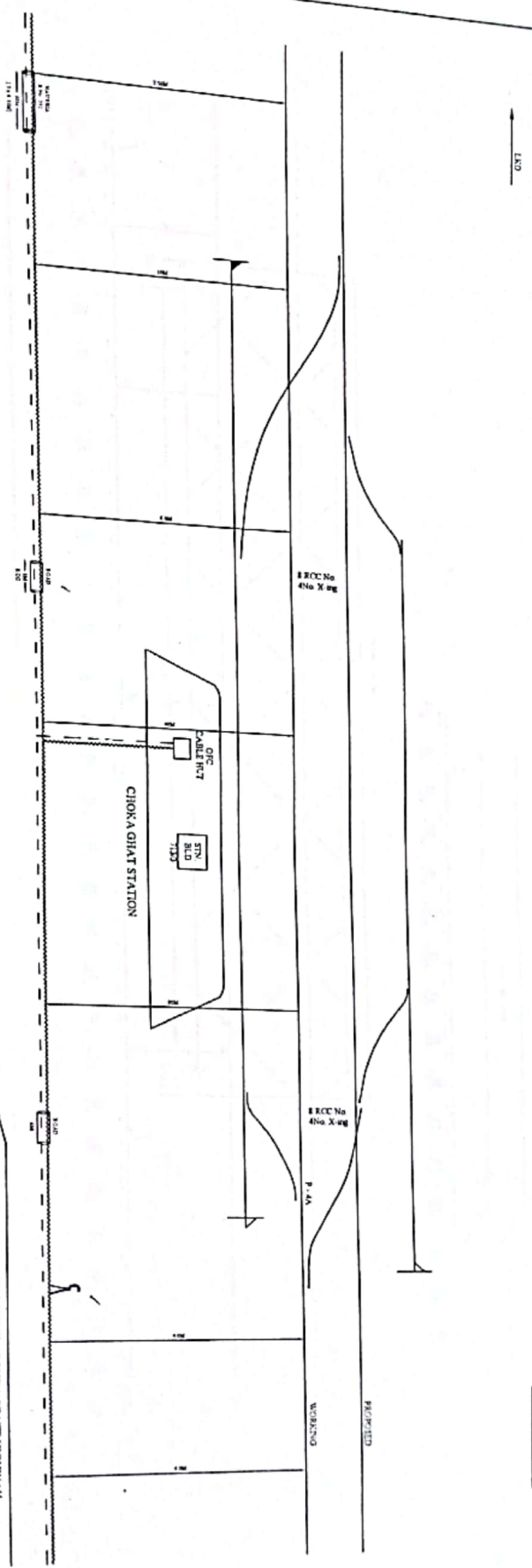
SP2
Sign - ASTE/Con/S & T/NER

SP2
Sign - Dy. CSTE (W)/Con/S & T/NER

M/s Karan Singh & Sons
Allahabad
Karan Singh
(Sign of Contractor)

OFC Route Plan for Gonda - Burwal
Section of NER

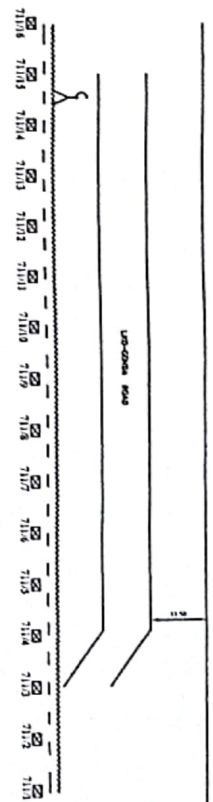
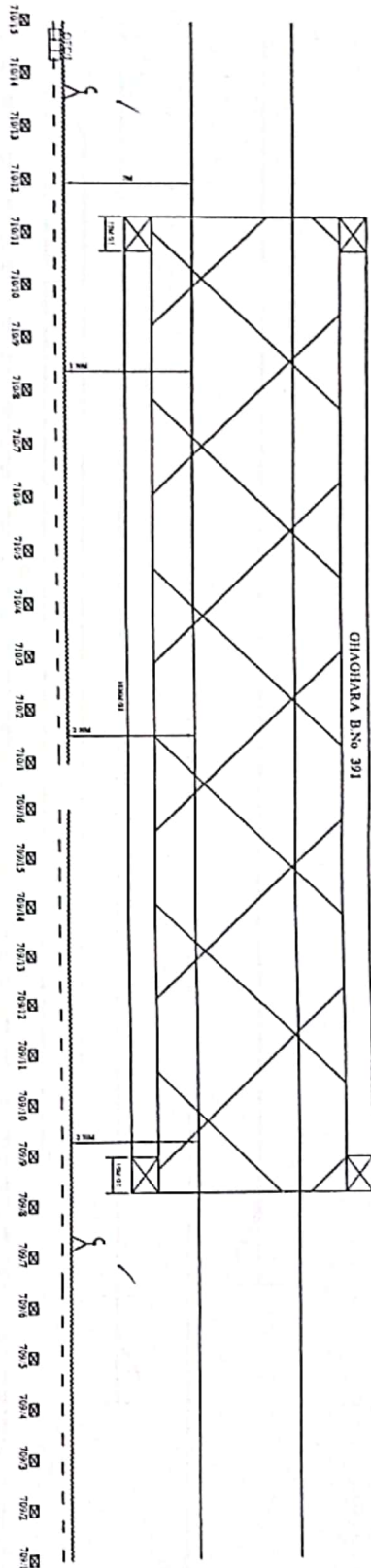
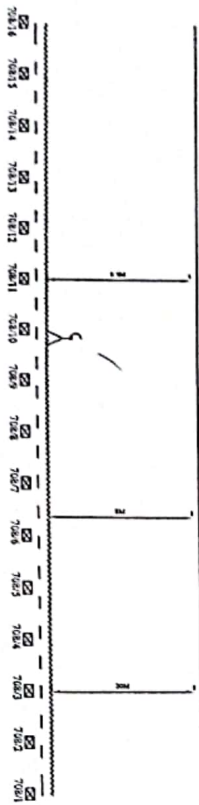
Sheet No. - 2 of 24



LEGENDS:

1. OFC Route.			M/s Karan Singh & Sons Allahabad (Sign of Contractor)	OFC Route Plan for Gonda - Burwal Section of NER	Sheet No. - 3 of 24
2. 4 Quad Route.					
3. Telecom Post:					
4. GI/RCC Pipe.					
5. Horizontal Dis. of OFC Route from Railway track					
6. Emergency Post					
7. Of C Joint					

CHORAKA GHAT STATION



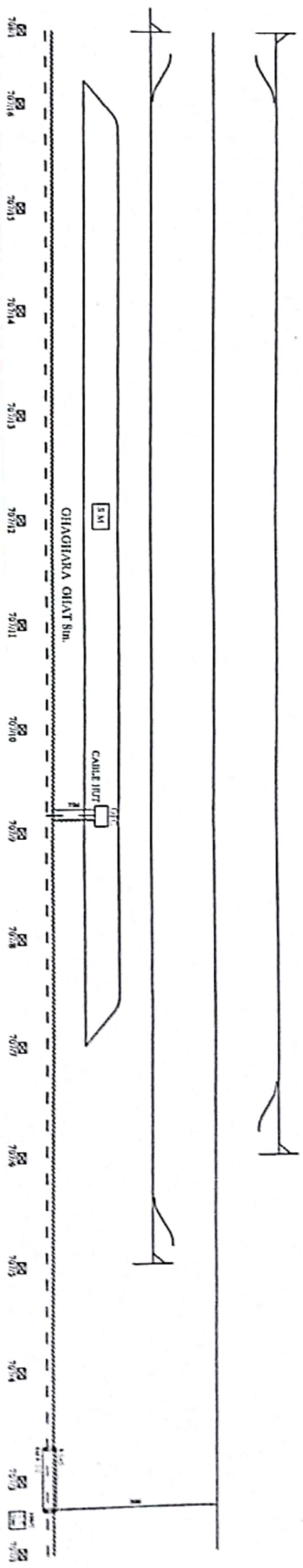
LUCKNOW

GORAKHPUR

LEGENDS:

1. OFC Route:		Sign - C/T/Con/S & TNER	Sign - ASTE/Con/S & TNER	Sign - Dy. CSTIE (W)/Con/S & TNER	M/s Karan Singh & Sons Allahabad	OFC Route Plan for Gonda - Barval Section of NER
2. 4 Quad Route						
3. Telecom Post:						
4. GI/RCC Pipe:						
5. Horizontal Dist of OFC Route from						
6. Railway track						
7. Emergency Post						
8. OFC Joint						

Sheet No. - 4 of 24



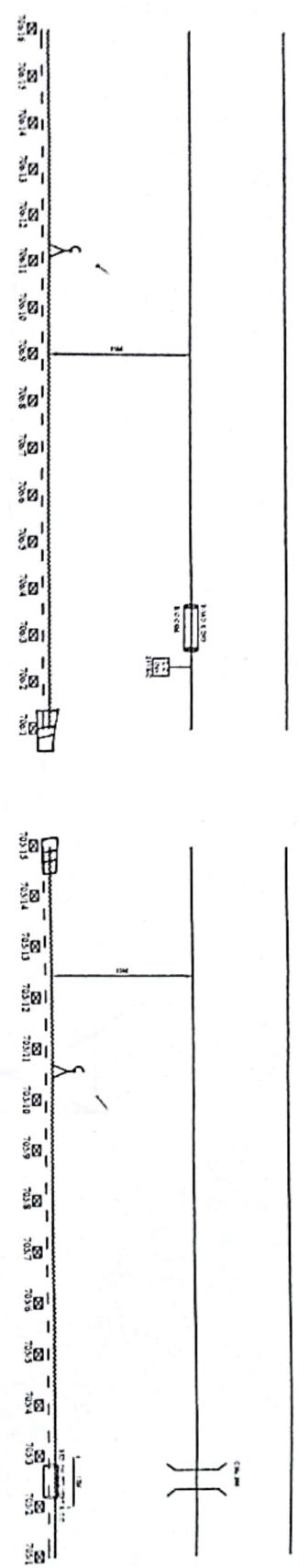
LOOK TOWARD

GO BACK

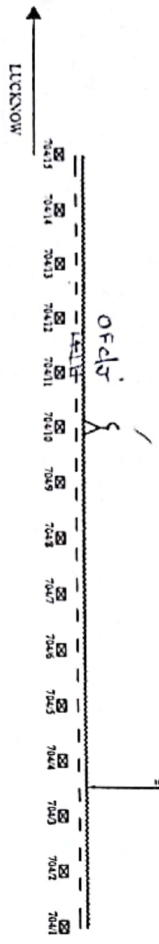
LEGENDS:

1. OFC Route:			M/s Karan Singh & Sons Allahabad	OFC Route Plan for Gonda - Burwal Section of NER
2. 4 Quad Route:			M/s Karan Singh & Sons	
3. Telecom Post:			M/s Karan Singh & Sons	
4. G.I./RCC Pipe:			M/s Karan Singh & Sons	
5. Horizontal Dist. of OFC Route from Railway track			M/s Karan Singh & Sons	
6. Emergency Post			M/s Karan Singh & Sons	
7. OFC Joint			M/s Karan Singh & Sons	

Sheet No. - 5 of 24



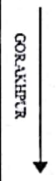
TO JARVAL ROAD STATION



GORAKHPUR

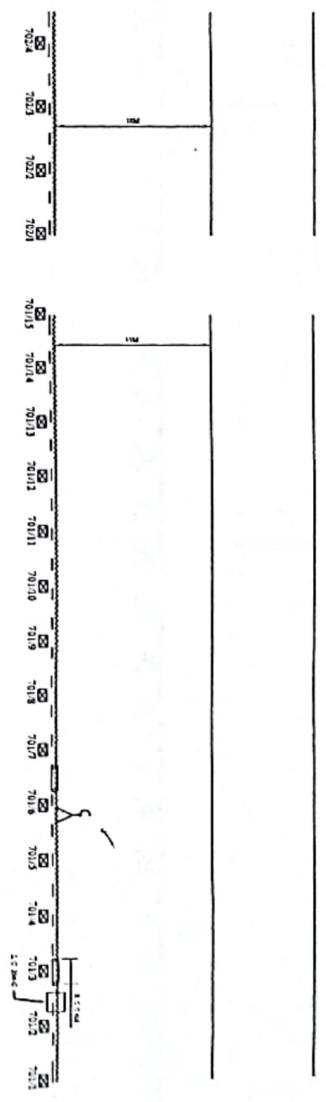
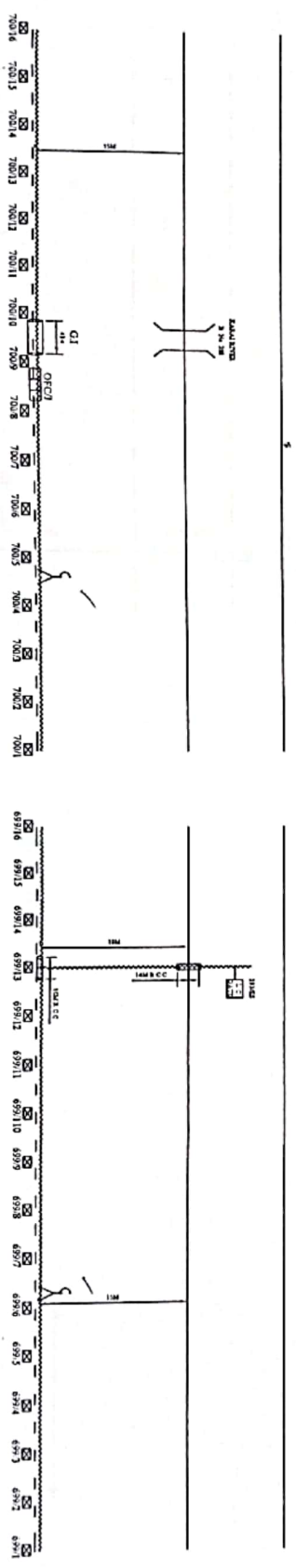
LEGENDS:

1. OFC Route:					
2. 4 Quad Route					
3. Telecom Post:					
4. GI/RCC Pipe:					
5. Horizontal Dist of OFC Route from Railway track					
6. Emergency Post					
7. OFC Joint					
		Sign - CT/Cons & TNER	Sign - AS/TE/Cons & TNER	Sign - Dy. CST/ (W)/Cons & TNER	M/s Karan Singh & Sons Allahabad (Sign of Contractor)
					OFC Route Plan for Gonda - Burwal Section of NER
					Sheet No. - 6 of 24



- OFC Route Plan for Gonda - Burwal
Section of NER
- Sheet No. - 7 of 24

TO JARNAL ROAD

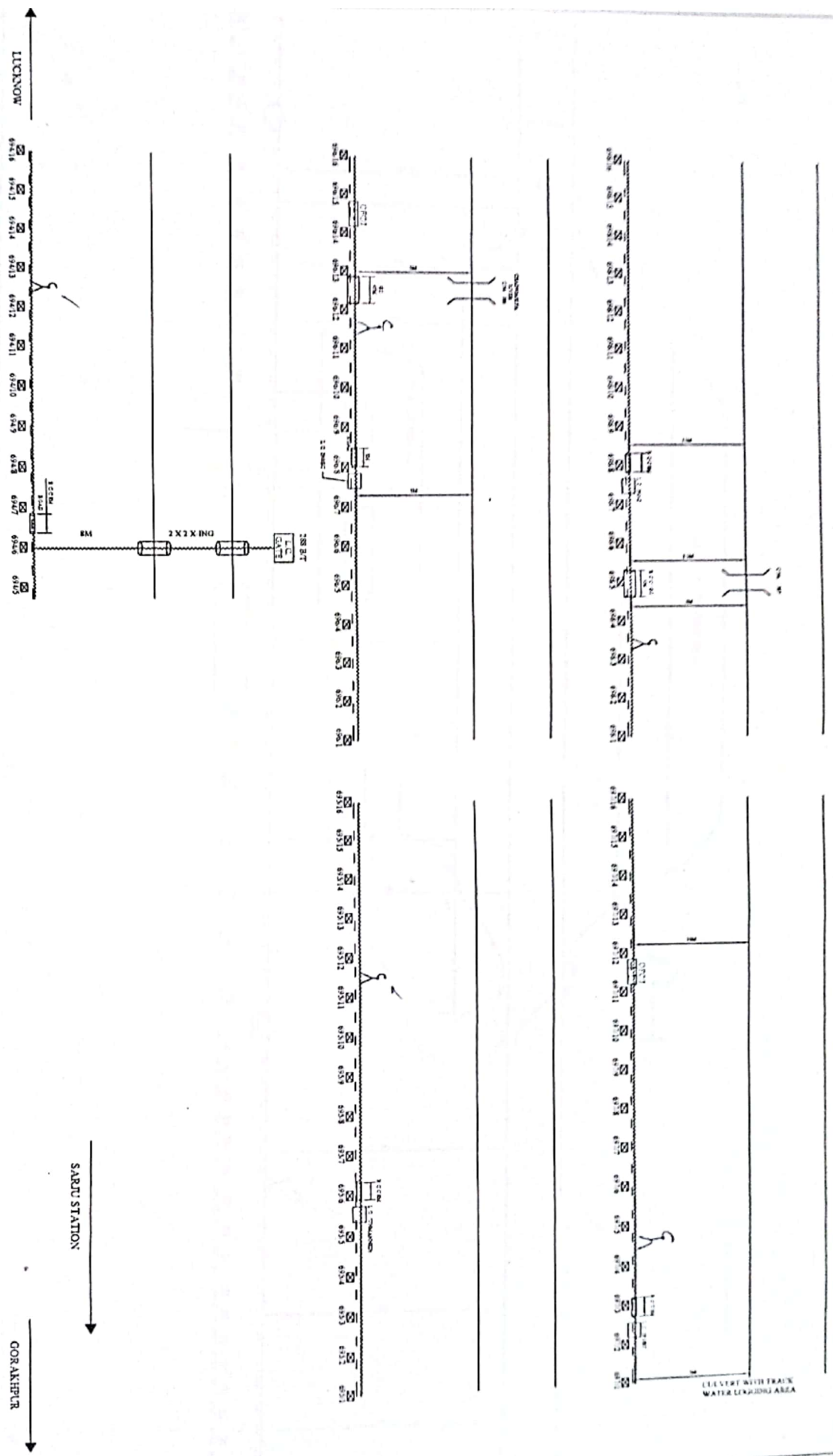


LUCKNOW

GORAKHPUR

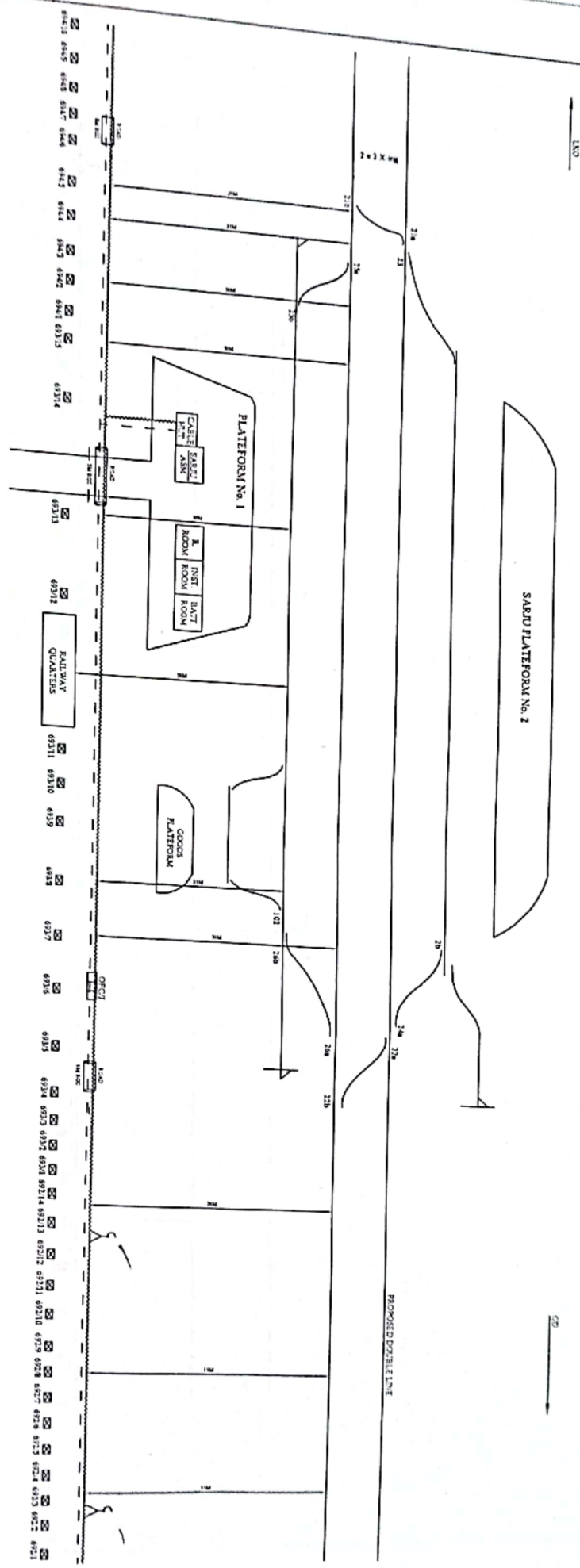
LEGENDS:

1. OFC Route:			Sign - dt/Cons & TNER			
2. 4 Quad Route						
3. Telecom Post:						
4. GI/RCC Pipe:						
5. Horizontal Dis. of OFC Route from Railway track						
6. Emergency Post						
7. OFC Joint						
M/s Karan Singh & Sons Allahabad (Sign of Contractor)						
OFC Route Plan for Gonda - Burwal Section of NE						
Sheet No. - 8 of 24						



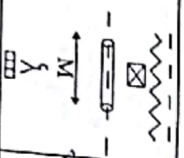
LEGENDS:

1. OFC Route:					M/s Karan Singh & Sons Allahabad	OFC Route Plan for Gonda - Burwal Section of NER
2. 4 Quad Route:					(Sign of Contractor)	
3. Telecom Post:						
4. G.I./RCC Pipe:						
5. Horizontal Dist. of OFC Route from Railway track						
6. Emergency Post						
7. OFC Joint:						



LEGENDS:

1. OFC Route
2. 4 Quad Route
3. Telecom Post
4. G.I./RCC Pipe
5. Horizontal Dye of OFC Route from
6. Railway track
7. Emergency Post
8. OFC Joint



Regd. Mark
Sign - OFC/Cons & TNER

Sign - ASTE/Cons & TNER

Sign - Dy. CSTE (W)/Cons & TNER

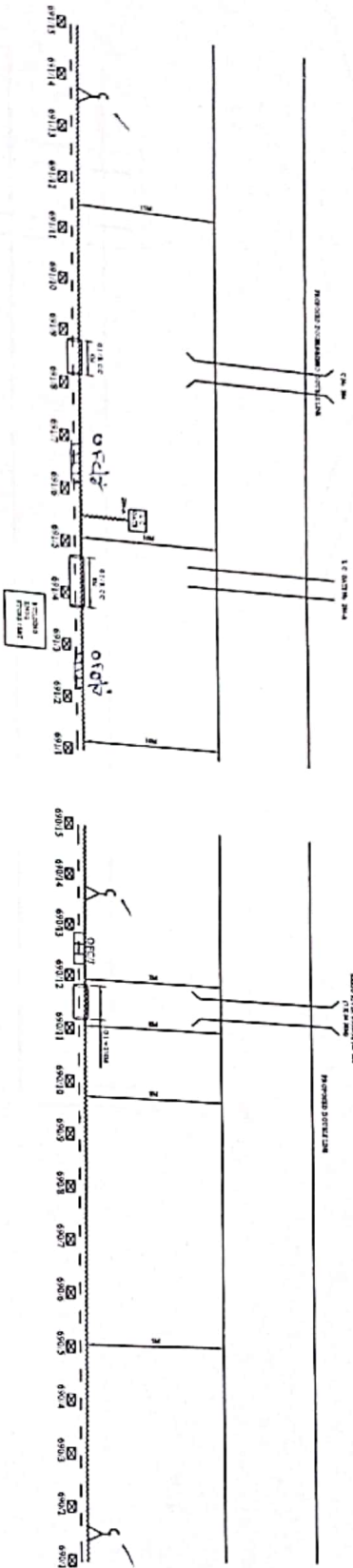
M/s Karan Singh & Sons
Allahabad
(Sign of Contractor)

OFC Route Plan for Gonda - Burwal
Section of NER
Sheet No. - 10 of 24

LEGEND

GORAKHPUR

PROPOSED DOUBLE LINE

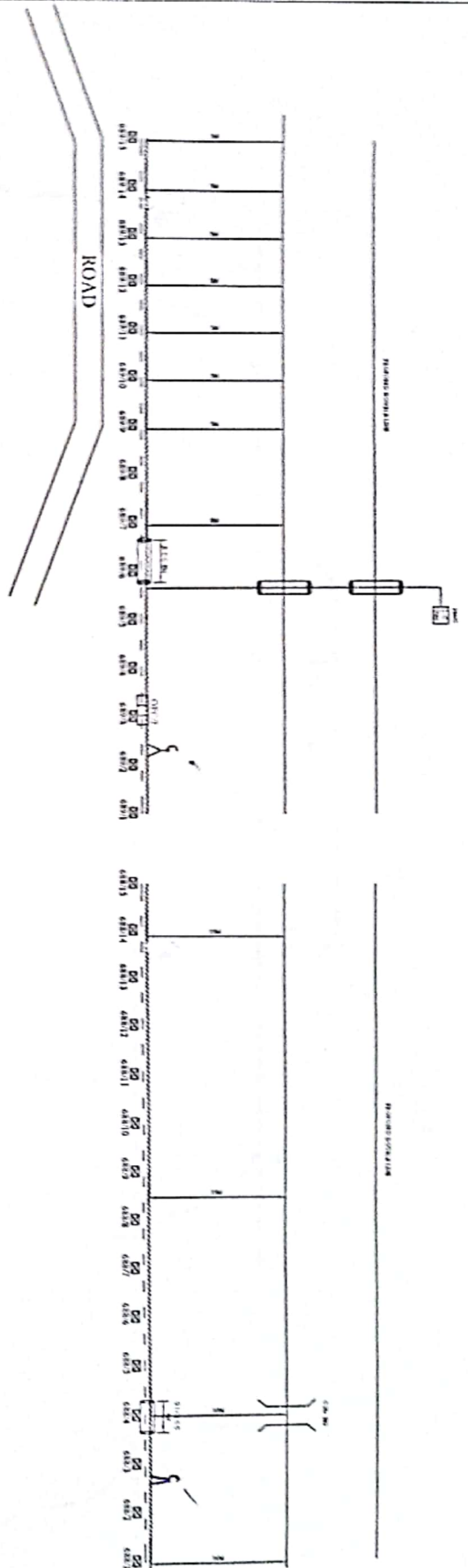


← UNKNOWN

GORAKHPUR →

LEGENDS:

1. OFC Route:				
2. 4 Quad Route				
3. Telecom Post:				
4. G.I./RCC Pipe:				
5. Horizontal Dist. of OFC Route from				
6. Railway track				
7. Emergency Post				
8. OFC Joint				
		Sign - ASTI/Cons & TNER	Sign - Dy. CSTI (W)/Cons & TNER	M/s Karan Singh & Sons Allahabad (Sign of Contractor)
				OFC Route Plan for Gondal - Burwal Section of NER
				Sheet No. - 11 of 24

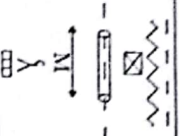


← LUCKNOW

GORAKHPUR →

LEGENDS:

1. OFC Route
2. 4 Quad Route
3. Telecom Post
4. GI/RCC Pipe
5. Horizontal Dist. of OFC Route from Railway track
6. Emergency Post
7. OFC Joint



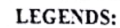
Sign - C/T/Con/S & T/NER

Sign - A/STE/Con/S & T/NER

Sign - Dy. CST/E (W)/Con/S & T/NER

M/s Karan Singh & Sons
Allahabad
(Sign of Contractor)

OFC Route Plan for Gonda - Burwal
Section of NEER
Sheet No. - 12 of 24



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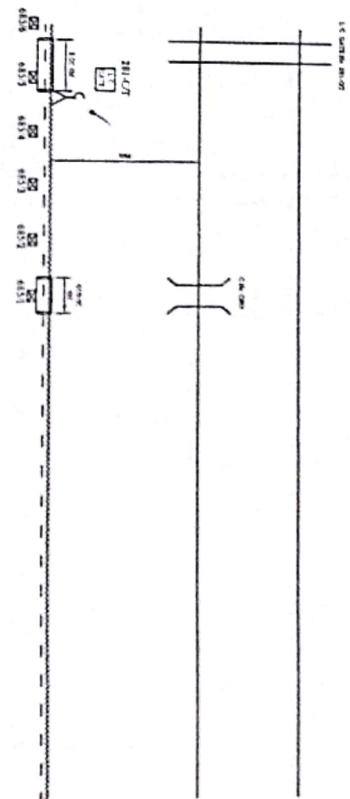
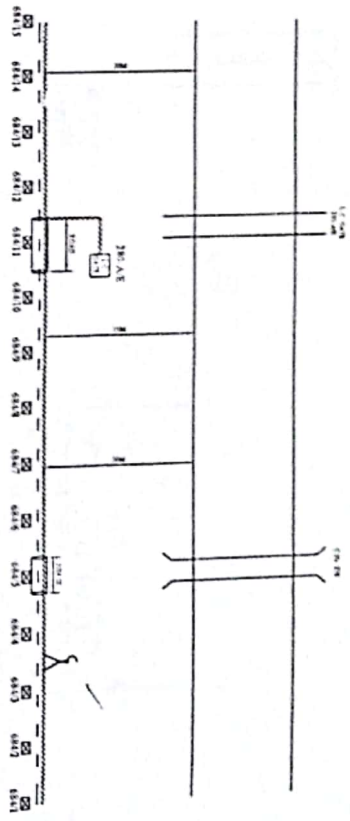
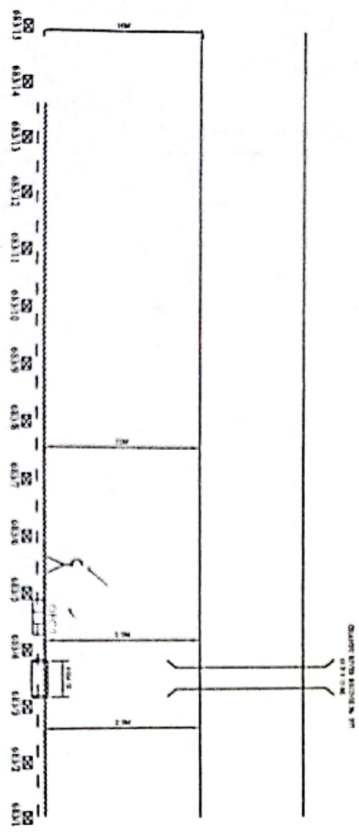
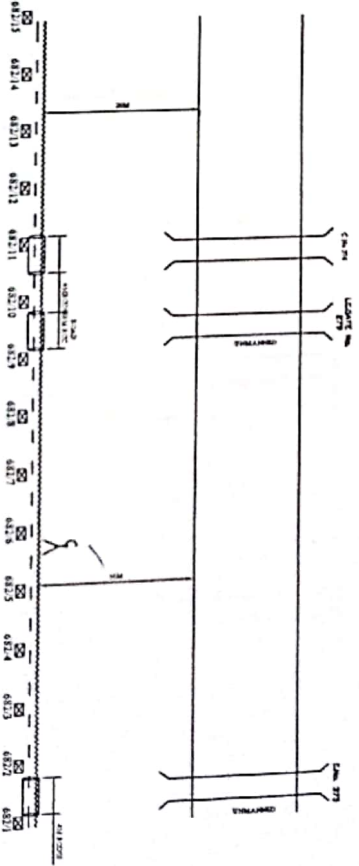
Sign - CTI/Con/S & T/NER

Sign - ASTE/Con/S & T/NER

Sign - Dy. CSTE (W)/Con/S & T/NER

(Sign of Contractor)

Sheet No. - 13 of 24

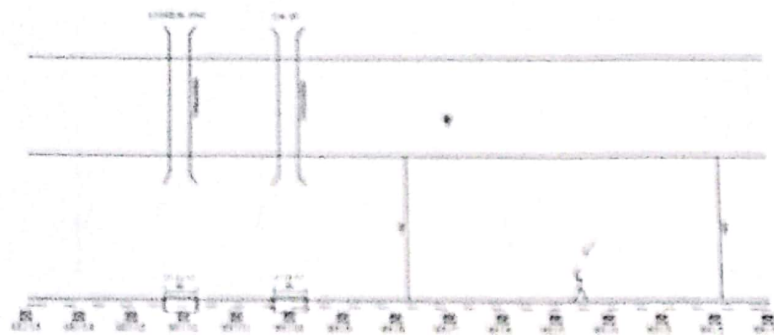
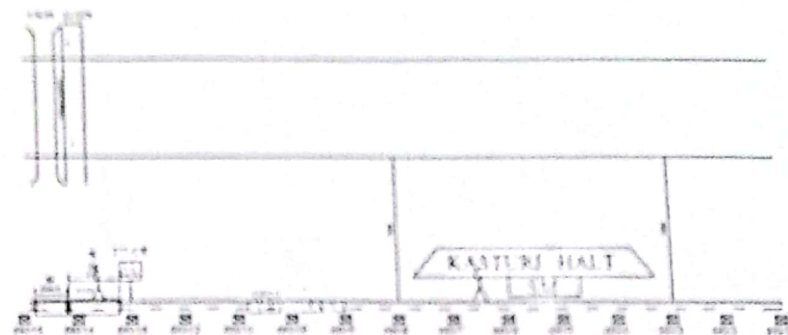
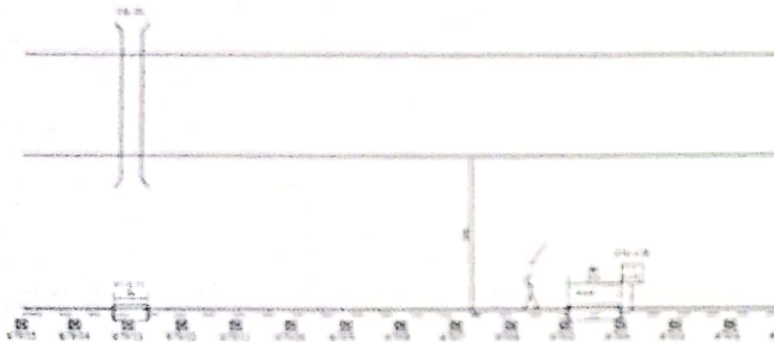
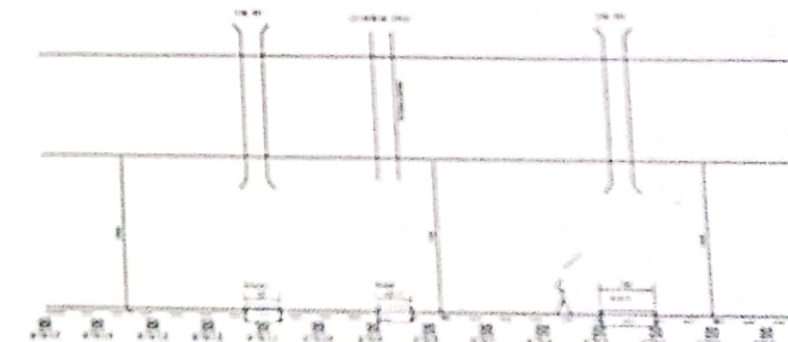


LUCKNOW

GORAKHPUR

LEGENDS:

1. OFC Route:					
2. 4 Quad Route					
3. Telecom Post:					
4. GI/RCC Pipe					
5. Horizontal Dist. of OFC Route from Railway track					
6. Emergency Post					
7. OFC Joint					
					OFC Route Plan for Gonda - Burwal Section of NER
					Sheet No. - 14 of 24

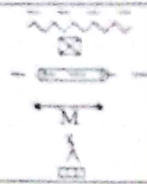
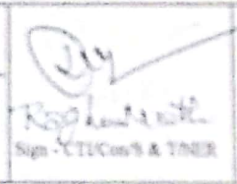
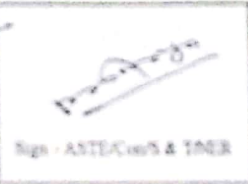
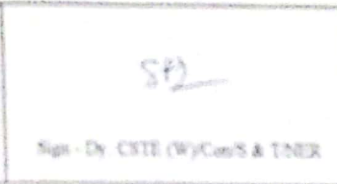
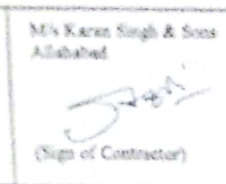


← LUCKNOW

→ GORAKHPUR

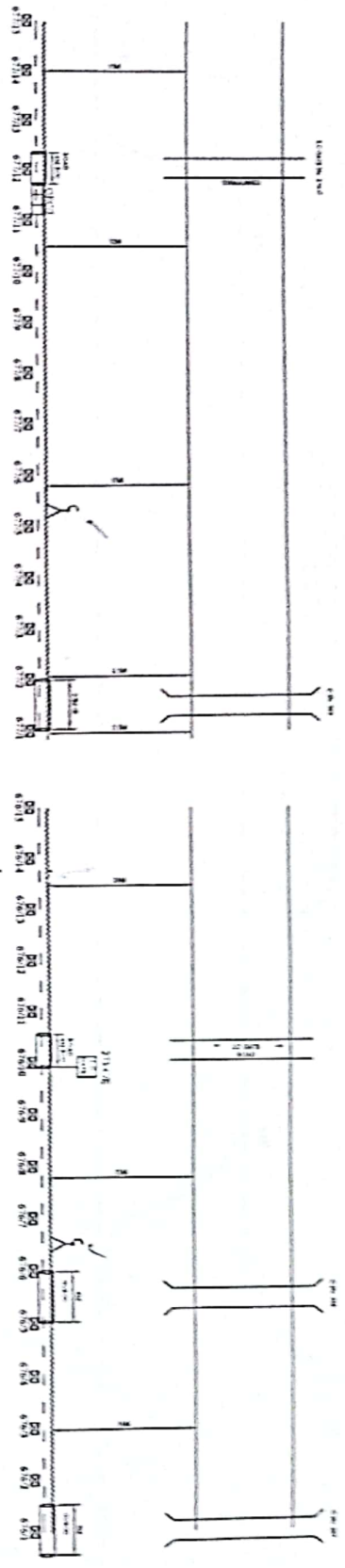
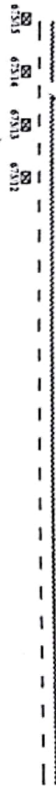
LEGENDS:

1. C.P.C. Route
2. 4 Quad Route
3. Telegraph Post
4. G.I./B.C.C. Pipe
5. Horizontal Dis. of OFC Route from Railway track
6. Emergency Post
7. L.F.C. Joint



OFC Route Plan for Gonda - Barwal Section of NER

Sheet No. - 15 of 24



LUCKNOW

GORAKHPUR

LEGENDS:

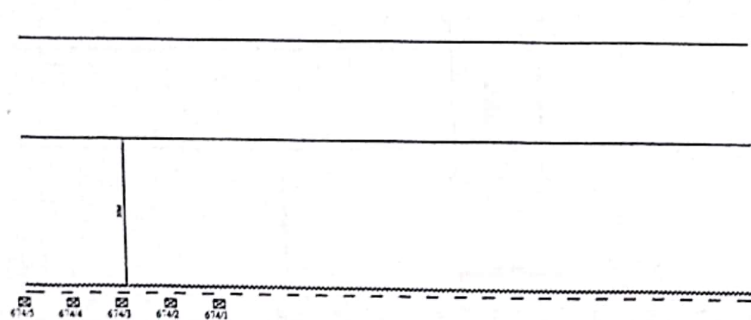
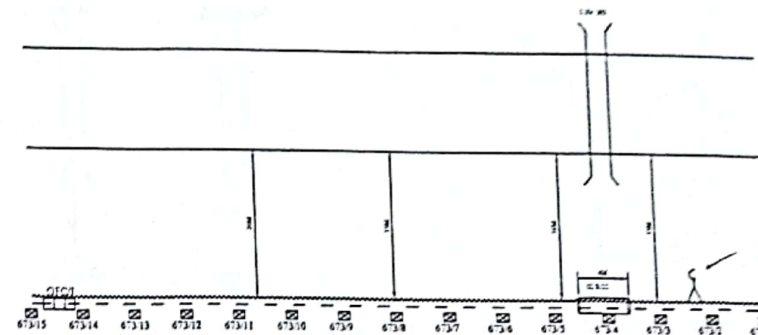
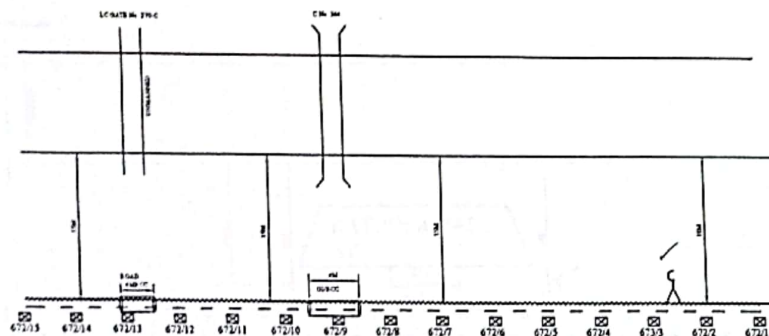
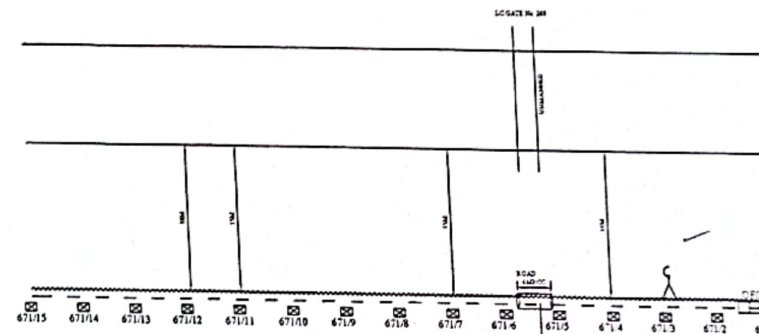
1. OFC Route:			Sign - CTI/Com/S & TNER	Sign - ASTE/Com/S & TNER	Sign - Dy. CSTE (W)/Com/S & TNER	M/s Karan Singh & Sons Allahabad 	OFC Route Plan for Gonda - Barval Section of NER
2. 4 Quad Route							
3. Telecom Post:							
4. GI/RCC Pipe:							
5. Horizontal Dis. of OFC Route from Railway track							
6. Emergency Post							
7. OFC Joint							

Sheet No. - 16 of 24



1. OFC Route: 2. 4 Quad Route 3. Telecom Post: 4. G.I./RCC Pipe: 5. Horizontal Dis. of OFC Route from Railway track 6. Emergency Post 7. OFC Joint						M/s Karam Singh & Sons Allahabad	OFC Route Plan for Gonda - Barwal Section of NER	Sheet No. - 17 of 24
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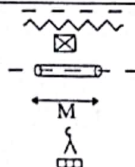


LUCKNOW

GORAKHPUR

LEGENDS:

1. OFC Route:
2. 4 Quad Route
3. Telecom Post:
4. G.I./RCC Pipe:
5. Horizontal Dist. of OFC Route from Railway track
6. Emergency Post
7. OFC Joint



Raghu Nath
Sign - CTI/Con/S & T/NER

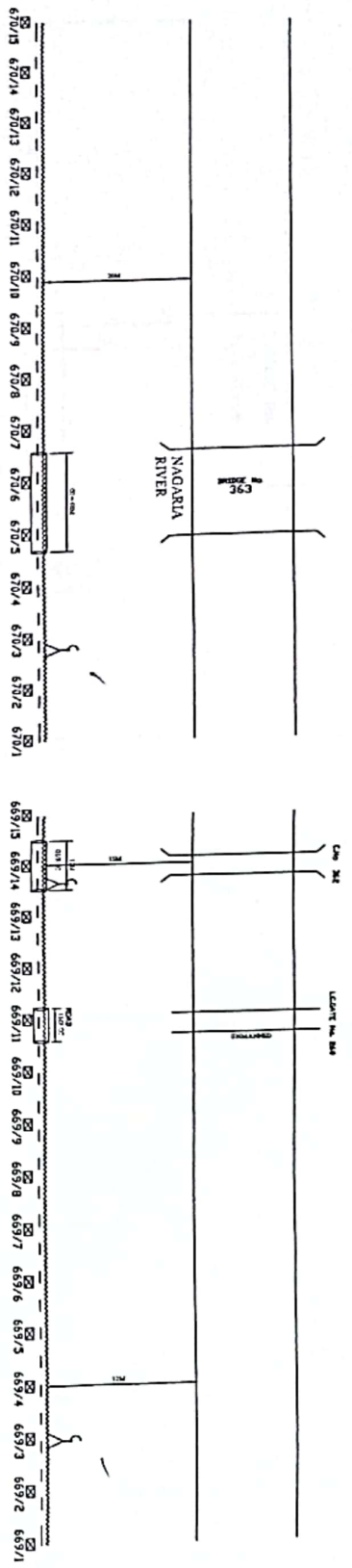
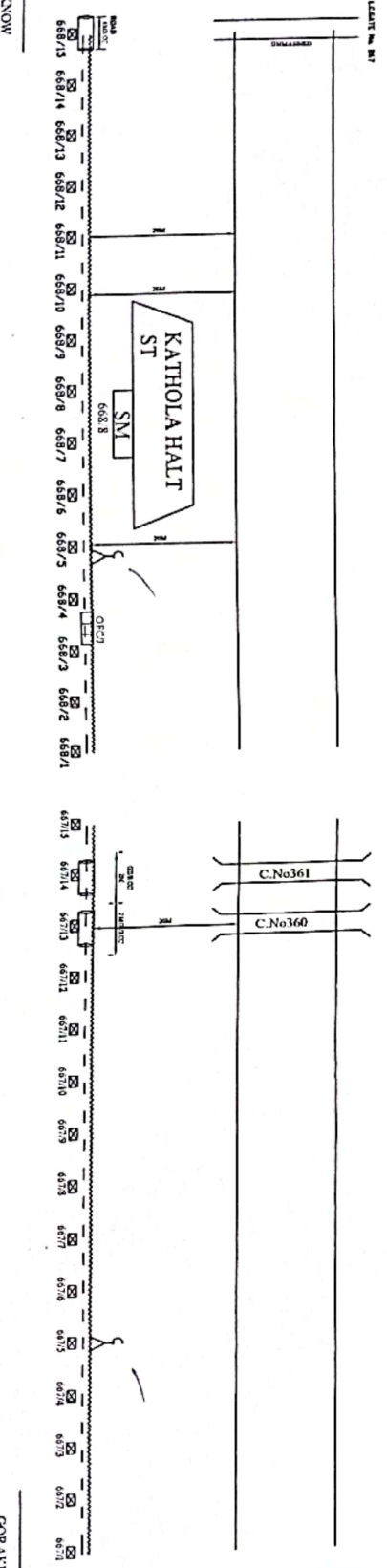
ASTE
Sign - ASTE/Con/S & T/NER

SPL
Sign - Dy. CSTE (W)/Con/S & T/NER

M/s Karan Singh & Sons
Allahabad
Karan Singh
(Sign of Contractor)

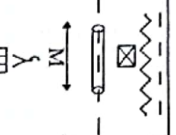
OFC Route Plan for Gonda - Burwal
Section of NER

Sheet No. - 18 of 24



LEGENDS:

1. OFC Route:
2. 4 Quad Route
3. Telecom Post:
4. GI/RCC Pipe:
5. Horizontal Dist. of OFC Route from Railway track
6. Emergency Post
7. OFC Joint



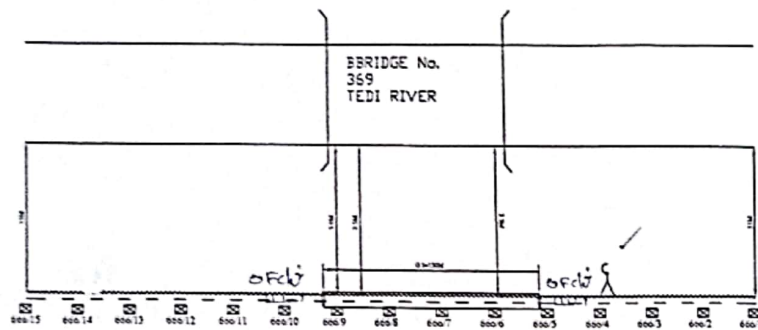
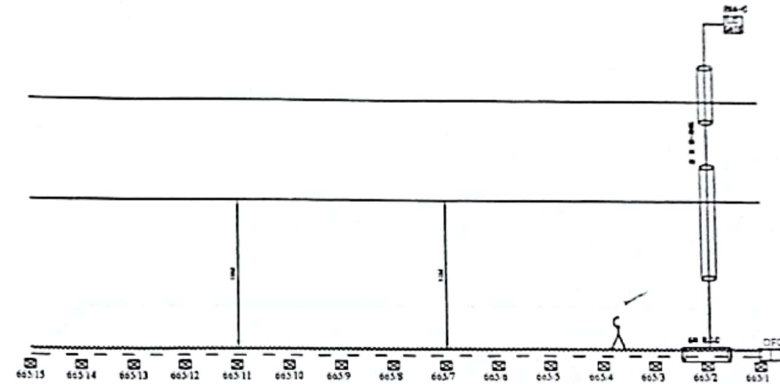
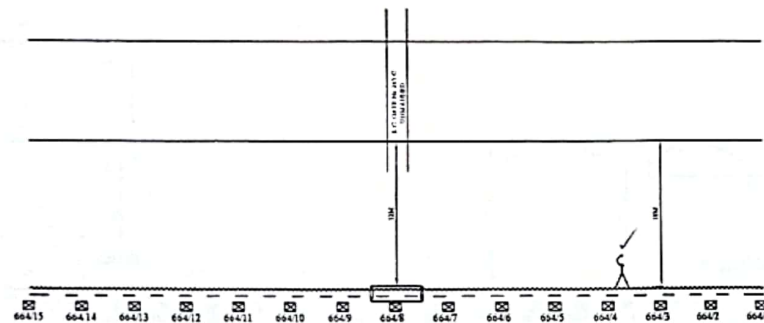
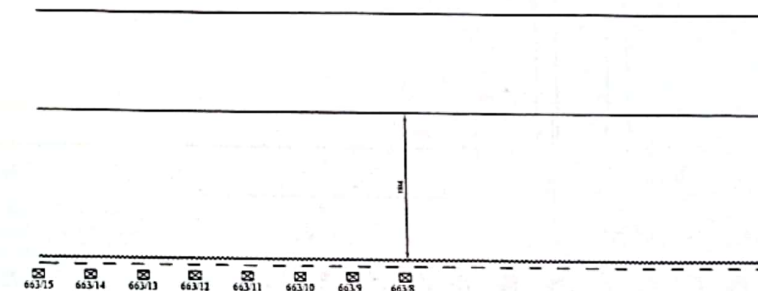
Sign - C/I/Con/S & T/NER

Sign - ASTE/Con/S & T/NER

Sign - Dy. CSTE (W)/Con/S & T/NER

M/s Karan Singh & Sons
Allahabad
(Sign of Contractor)

OFC Route Plan for Gonda - Burwal
Section of NER
Sheet No. - 19 of 24

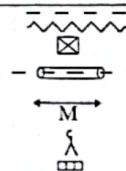


LUCKNOW

GORAKHPUR

LEGENDS:

1. OFC Route:
2. 4 Quad Route
3. Telecom Post:
4. G.I./RCC Pipe:
5. Horizontal Dist. of OFC Route from Railway track
6. Emergency Post
7. OFC Joint



Rajendra Singh
Sign - CTI/Con/S & T/NER

M. S. Singh
Sign - ASTE/Con/S & T/NER

S. P.
Sign - Dy. CSTE (W)/Con/S & T/NER

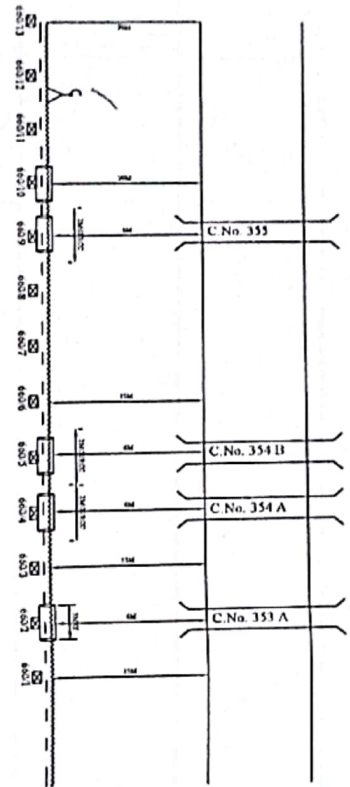
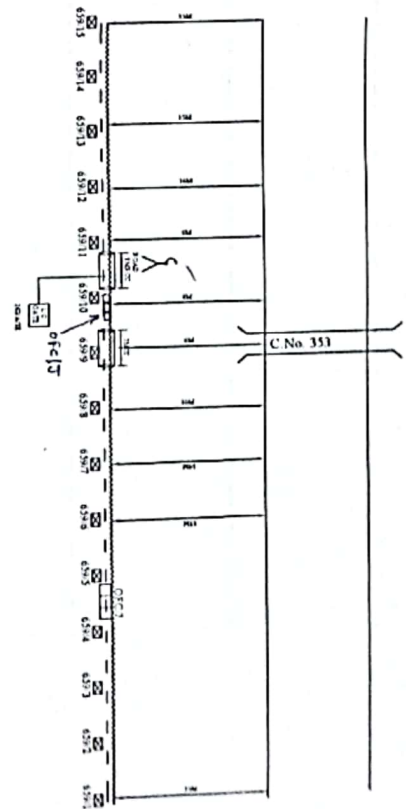
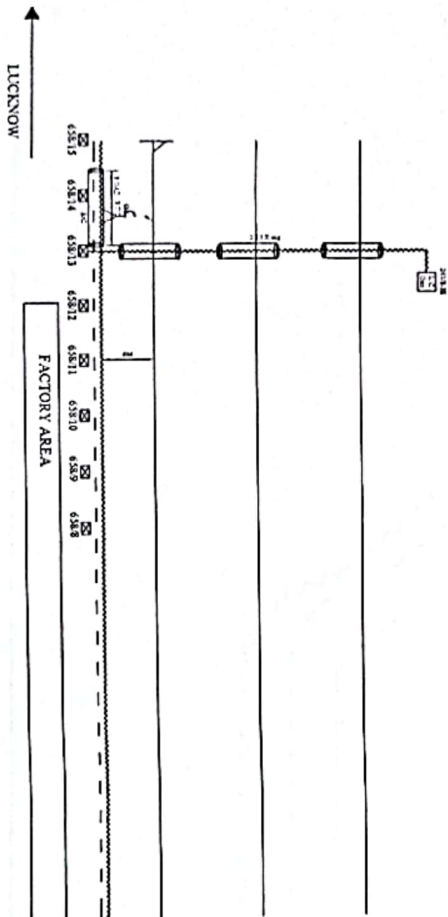
M/s Karan Singh & Sons
Allahabad
Karan Singh
(Sign of Contractor)

OFC Route Plan for Gonda - Burwal
Section of NER

Sheet No. - 20 of 24



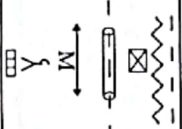
GORANIPUR



GORAKHPUR

LEGENDS:

1. OFC Route:
2. 4 Quad Route
3. Telecom Post:
4. G.I./RCC Pipe:
5. Horizontal Dist. of OFC Route from Railway track
6. Emergency Post
7. OFC Joint



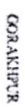
Sign - CTU/Con/S & T/NER

Sign - ASTE/Con/S & T/NER

Sign - Dy. CSTE (W)/Con/S & T/NER

M/s Karan Singh & Sons
Allahabad
(Sign of Contractor)

OFC Route Plan for Gonda - Burwal
Section of NER
Sheet No. - 22 of 24



OFC Route Plan for Gonda - Burwal Section of NER

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- The diagram shows a mechanical system. A spring is attached to a fixed wall on the left and a mass M on the right. The mass M is connected to a pulley system. The pulley system consists of a fixed pulley and a movable pulley. A rope is attached to the fixed pulley, passes under the movable pulley, and then over the fixed pulley. The other end of the rope is attached to the mass M . The system is shown in a state of equilibrium.

Sign - ASTECams & TNER

Sign - Dy CSIE (W) Coas & TNER

M/s Karan Singh & Sons
Allahabad
Sd/-
(Sign of Contractor)

Sheet No. - 23 of 24



LEGENDS:				
1. OFC Route:				
2. 4 Quad Route				
3. Telecom Post:				
4. G.I./RCC Pipe:				
5. Horizontal Dis. of OFC Route from Railway track				
6. Emergency Post				
7. OFC Joint				

 Regional Engr Sign - CTI/Con/S & T/NER	 Sign - ASTE/Con/S & T/NER	 Sign - Dy. CSIE (W)/Con/S & T/NER	M/s Karan Singh & Sons Allahabad (Sign of Contractor)	OFC Route Plan for Gonda - Burwal Section of NER Sheet No. - 24 of 24
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