

1000-000-000-000 (NABARD)
Schedule XLV-Form No. 134 ,

E.L. R.W.D. (W)

DIVISION
GAYDA

A.L. R.W.D. (W)

SUB-DIVISION
FATEHPUR

Measurement Book

3091

Blank lined paper with faint blue horizontal lines and some small rectangular boxes.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work:-	Construction				
	of H.L Bridge over				
	Dhadhan river near				
	Dihuri (Badana)				
	Village in Fatehpur				
	Block under state				
	Scheme (NABARD)				
Name of Agency:-	Rakesh				
	Construction Pvt Ltd.				
	At- Dims road				
	Mango Jamshedpur.				
Agreement no-	01 SBD /state				
	Scheme /NABARD/				
	2019-20				

Date of commencement

22.07.2019

Date of Completion

21.07.2021

Date of measurement.

(1) For RCC M30 in

Sub Structure etc

(up to 3room height)

Pier shaft P5, P6 & P7

$$3.14 \times 0.75 \times 0.75 \times 2.014 = 3.56 \text{ m}^3$$

$$\text{for 3 nos} \times 3.56 \text{ m}^3 = 10.68 \text{ m}^3$$

(2) Supply & fill up

Pier shaft

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sub structure etc.					
2m pier cap PS, Post.					
25mm ϕ bar					
Top bar at 1st layer.					
10 Nos $\times$ 8.50m = 85.00m					
Top bar 2nd layer					
10 Nos $\times$ 8.50 = 85.00m					
Top distribution bar					
71 Nos $\times$ 3.15m = 223.65m					
for 3 Nos $\times$ 393.65m					
					393.65m
					= 1180.95m
@ 3.881 kg/m —					4583.26kg
12mm ϕ bar					
Bottom bar along length					
17 $\times$ 8.77m = 149.09m					
Bottom distribution bar					
64 $\times$ 19.152m = 1225.73m					
4L vertical stirrup					
22 $\times$ 6.152m = 135.34m					
4L vertical stirrup varying					
64 $\times$ 4.952m = 316.93m					
4L Horizontal stirrup					
10 Nos $\times$ 19.792m = 197.92m					
4L Horizontal stirrup varying					
8 Nos $\times$ 13.792m = 110.34m					
					2135.35m
For 3 Nos $\times$ 2135.35m = 6406.05m					
@ 0.887 kg/m = 5682.17kg					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2n 16mm ϕ bar along					
Transverse Hatch:					
8 Nos $\times$ 1.192m					9.54m.
Along longitudinal					
5 Nos $\times$ 1.70m					8.51m
					18.05m.
For 3 Nos ϕ 16mm					
$3 \times 3 \times 18.05$					162.45m
@ 1.578kg/m					256.35kg.
Mass taken at pedestal					
8mm ϕ bar					
3 $\times$ 1 $\times$ 15.60m					46.80m
3 $\times$ 1 $\times$ 11.94m					35.82m
					82.62m

for 3 also. $3 \times 82.62m = 247.86m$

In Slab in Portion

8 $\times$ 2 $\times$ 2.50m = 40.00m

for 3 No $3 \times 40.00m = 120.00m$

407.86m

@ 0.394kg/m = 160.69kg

In R.B. 1

20mm ϕ bar

vertical bar bearing face

10 $\times$ 2.83m = 28.30m

vertical at opposite to beam

10 $\times$ 3.545m = 35.45m

63.75m.

for 6 also

6 $\times$ 63.75m = 382.50m

@ 2.46kg/m = 942.86kg

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) E/W in excavation in found of stru. - do					
(i) in ordinary soil					
Qty mdo TMB Page No. 12786					
Page No. 28 (01)					
4463.343 m ³					1260582
@ 282.43/m ³ ₹ 4260582					
(ii) In Hard rock.					
Qty mdo TMB page					
No. 2 /91					
3120.52 m ³					
@ 786.78/m ³ ₹ 2455162					

(2) P/W PCC 150 mm					
in levelling course					
do do					
below found slab					
172.61 m ³ Qty mdo					
TMB Page No. 2/2					
@ 5344.86/m ³ ₹ 922576					
(3) Supplying filler					
8 placed by SD ber					
in found do					
129.303 MT Qty mdo					
TMB Page No. (2)/3					
@ 76353.76/MT ₹ 9872770					
(4) Supplying filler					

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
Amel Plaurp HYS				
ben in sub structure.				
117.268 MT 844 m				
+ 12.611 MT TMS P. No. - 3/4				9935936 ²⁰
129.879 MT TMS P. No. - 11/12				28971176 ²⁰
(5)/3 Pcc Rcc M30 in				
found - do do				
1569.43 m ³ sty m do TMS				
Pape No - 3/5				
@ 7143.58 m ³ ± 11211349 ²⁰				
(6) 80 PIV Rcc M30 in				
Sub structure do				
(up to 8.0 m height)				
422.20 m ³ sty m do TMS				
+ 10.68 m ³ P. No. - 3/6				
+ 55.875 m ³ " " P. No. - 8/1				
488.755 m ³ " " P. No. m/3				
@ 7499.57 m ³ ± 366545 ²⁰				
(7) 80 PIV Rcc M30 in				
Sub structure				
(5.0 m to 10.0 m height)				
292.41 m ³ sty m do TMS P. No. - 4/4				
+ 1.140 m ³ " " " " 10/4				
293.55 m ³				2232533 ²⁰
@ 7605.29 m ³ ± 2832533 ²⁰				
(8) 8 PIV driving steel				
Sheet piles - do				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) 1/15 P/v RCC M30					
2h Super Structure					
do do					
1005.68 m ³ Sty rde TMB					
+ 55.22 m ³ Page No. 5/12					
+ 78.58 m ³ Sty rde TMB P-15/8					
+ 27.81 m ³ Sty rde TMB P-17/11					
+ 39.29 m ³ Sty rde TMB P-24/13					
Sty rde TMB P-22/15					
1206.58 m ³					
@ 8601.63 m ³ ₹ 10378555=					
(13) 1/4 Bored cast in					
Site M35 grade					
RCC pile					

12 crown p-d					
do do					
270.00 m Sty rde TMB					
Page No - 5/13					
@ 16106.48/m ₹ 4348750=					
(14) 1/7 P/v steel liner do					
42.62 mt Sty rde TMB					
Page No - 6/14					
@ 84681.48/mt ₹ 3609125=					
Total ₹ 89124856=					
Less 10% ballance per					
app @ 8912486=					
₹ 80212370=					
Less previous bill pay (C) ₹ 75013327=					
Net ₹ 5199043=					

10/3/23 C. 10/3/23
Continuation