

वही मर्याद के नोटिफिकेशन चालू करने का प्रमाण
पौष्टिक होना है अथवा के बीच उपस्थिति-उत्प
Schedule XLV-Form No. 134

Executive Engineer
R.W.D. Works Division
Darbhanga-1

DIVISION

Bahera

SUB-DIVISION

M.B.W-3542

MEASUREMENT BOOK

दिनांक: २६.०३.२०१८ ई. म. रजिस्ट्रार प्रमोद

प्रमाणित किया जाता है कि इस मापीय
में अंकित - 100 = (रक ख) यन्त्र है, जो
श्री रमेश अहमद एडमर अभियंता,
ग्रामीण कार्य विभाग, कार्य कर प्रान्त
बहेरी के गम व निर्माण किया जाता है।


13/10/2020
Executive Engineer
R.W.D. Works Division
Darbhanga-1
13/10/2020

Sch. XLV-Form No. 134

DIVISION

SUB-DIVISION

Measurement Book

No.

3542

Name of work - Construction of High level Bridge in between Nandaga Chowk PMAS Road (to Narayan Dehat) and Anna including Five Years maintenance work. Length - 60.87 M.

Name of work -

Situation of work - Under Baheri Block

Agency by which work is executed - S.M. Enterprises.

Date of measurement -

No. and date of agreement - 21/8/2020-21

(These four lines should be repeated at the commencement of the measurements relating to each work. (State scheme))

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Estimated	Cost:-	Rs. 2,51,70,026.00.			
Agreement	Value:-	Rs. 2,89,94,170.00.			
Rate:-	17.56%	below from B.O.B. rate.			
Date of start:-	07.08.2020.				
Date of Completion:-	06.02.2022.				
Date of entry:-	17/02/2021.				17.02.2021
① Clearing and Grubbing road					
band do					
	3x	30.00	8.00		= 720.00
	1x	20.00	8.00		= 160.00
					880.00 m ²
② Service road.					37.50 M.
③ Reinforcement for pile					
IN Abutment A1 + A2					
	IN A1	= 8 piles.			
	IN A2	= 8 piles.			
		16 piles.			
25mm φ Main Vertical bar.	22.450 M	22 Nos	16 piles		= 7902.40 m.
20mm φ Inner bar.	3.531 M	11 Nos	16 "		= 621.456
8 mm φ Outer stirrup	3.336 M	134 Nos	16 "		= 7281.024
IN Pier					
	P1 + P2				
	IN P1	= 6 piles.			
	IN P2	= 6 piles.			
		12 piles.			
25mm φ Main Vertical bar.	24.505 M	25 Nos	12 piles		= 7351.50
20 mm φ Inner bar.	3.563 M	12 Nos	12 "		= 513.072
8mm φ Outer stirrup bar.	3.412 M	147 Nos	12 "		= 6018.768

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Continued					
① $25\text{mm } \phi$		4902.40 M			
② 3.851 kg/M					$= 30,482.142 \text{ kg}$
③ $20\text{mm } \phi$		621.456 M.			
		7351.500 "			
		513.072 "			
		8486.028 M			
		② 4.65 kg/M			$= 20918.059 \text{ kg}$
(4) $8\text{mm } \phi$					
		7281.024 M.			
		6018.768 "			
		13299.792 M.			
		② 0.394 kg/M			$= 5240.118 \text{ kg}$
		Total =			56590.319 kg

(4) Excl Under in pier of					
pila.					
$2 \times 6 \times 3.77 \times 0.006 \times 4.00$					$= 1.085 \text{ m}^3$
$Q = 1.085 \text{ m}^3$					
$Q = 7.874 \text{ t/m}^3$					$= 8.54 \text{ t.}$
(5) Boxed Cast-In-Situ					
pila 135 grade RCC pile					
IN Abutment.					
$2 \times 8 \times 20.00 \text{ M}$					$= 320.00 \text{ M.}$
IN Pier.					
$2 \times 6 \times 20.00 \text{ M}$					$= 264.00 \text{ M.}$
					584.00 M.
By whom 17.05.2021					
Checked 17.05.21 KE					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Date of measurement:- 19.08.2021,</u>					
① Earthwork Excavation					
in found ⁿ trenches do do					
IN Abutment. <u>A1+A2</u>					
2x 13.30x 6.10x 2.30 =					373.198 m ³
IN PIER - <u>A1+A2</u>					
2x 9.70x 6.10x 2.45 =					289.933 m ³
					663.131 m ³
② Providing RCC in 15 in					
levelling Course do do					
Abutment A1+A2	2x 12.60x 5.40x 0.15 =				20.412 m ³
Pier A1+A2	2x 9.00x 5.40x 0.15 =				14.580 m ³
					34.992 m ³
③ Reinforcement					
IN Pile Cap of Abutment <u>A1+A2</u>					
25 ϕ Main bar bottom	15.284 M x 41 Nos x 2 =				1253.288 m
25 ϕ Distri..	8.084 M x 98 Nos x 2 =				1584.464 m
16 ϕ Top bar L/Direction	15.284 M x 41 Nos x 2 =				1253.288 m
16mm ϕ Trans. Verbar	8.084 M x 98 Nos x 2 =				1584.464 m
16mm ϕ Side face	5.918 M x 12 Nos x 2 =				142.032 m
16mm ϕ "	13.150 M x 12 Nos x 2 =				315.600 m
20mm ϕ Vert. cap Earth face	5.608 M x 57 Nos x 2 =				639.312 m
16mm ϕ " op. / E. face	5.608 M x 57 Nos x 2 =				639.312 m
20mm Vertical Side face	5.608 M x 16 Nos x 2 =				179.456 m
16mm ϕ R/Wall E/Face	5.930 M x 26 Nos x 2 =				308.360 m
12mm ϕ R/Wall op. Earth face	5.930 M x 26 Nos x 2 =				308.360 m

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(a) Continuation of CAB. IN PIER. D₁ + D₂ 25 mm ϕ main bar.					
25 mm ϕ		8.075 M	69 Nos	2 piers	= 1114.35 M.
25 mm ϕ Main Distribution		11.675 M	41 Nos	2 "	= 957.35 "
16 mm ϕ Top Bar.		8.084 M	69 Nos	2 "	= 1115.532 "
16 mm ϕ "		11.684 M	41 Nos	2 "	= 958.088 "
16 mm ϕ Side face.		9.518 M	12 Nos	2 "	= 228.432 "
16 mm ϕ "		5.906 M	12 Nos	2 "	= 141.600 "
25 mm ϕ Main Bar		8.688 M	39 Nos	2 "	= 677.664 "
(a) 25 mm ϕ Bar.					
					1253.288 M.
					1584.464 M.

				1114.35 M.	
				957.35 M.	
				677.664 M.	
				5587.116 M.	
				3.85 3.85 1148/m	21515.384
					18
(b) 20 mm ϕ bar					
					639.312 M.
					179.456 M.
					818.768 M.
				@ 2.465 kg/m	= 2018.263 kg
(c) 16 mm ϕ bar.					
					1253.288 M.
					1584.464 "
					315.600 M.
					639.312 M
				(b. a. 2)	3792.664 M

Continuation

C.O.
Q = 23534.247 kg

Continuation

1ST ON A/C BILL

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
① Clearing and Grubbing road land — 1. — 1.					
V.P. 1	①		880.00 m ²		
			= 0.088 Hect		
	② Rs. 51133 = 764		Hect		4500.00
② Service road					
V.P. 1	②		37.50 M.		
	③ Rs. 3893 = 619/M				Rs. 46,011.00
③ Reinforcement in found "					
V.P. 2	③		56590.319 kg		
V.P. 5	③		34201.682 =		
			90.792.00 H		
			Say 90.792 t.		
	④ Rs. 53536 = 603/t				Rs. 48,65,243.00
④ Steel Line — 1. — 1.					
in pile A + B ₂					
V.P. 2	④		8.54 t.		
	Unit 40. 8.52 t.				
	⑤ Rs. 64089 = 479/t				Rs. 5,46,042.00
⑤ Bored cast in - situ pile					
M35 grade RCC pile					
1200mm φ.					
V.P. 2	5				
			584.00 M.		
	⑥ Rs. 16,361 = 15/M				
					Rs. 98,46,912.00

Continuation

C.O. Rs. 1,53,08,708.00

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F.	
					Rs. 1,53,08,708=00
(6.)	Boring work excavation				
	in foundn. d. d.				
	V.P.	3		663.13/m ³	
		1		663.13/m ³	
	@ Rs. 294 = 725/m ³				1,95,441=00
(7.)	Providing RCC M15 in				
	levelling course d. d.				
	V.P.	3		34.992 m ³	
		2			
	@ Rs. 6426 = 72/m ³				Rs. 2,24,884=00
(8.)	Providing RCC M30 in				
	pile cap d. d.				
	V.P.	5		385.56 m ³	
		15			
Unit @ 385.55 m ³					@ Rs. 7506 = 44/m ³ Rs. 28,94,108=00.
					Rs. 1,86,23,141=00.
Less 17.56% as per agreement					Rs. 32,70,224=00
					Rs. 1,53,52,917=00.
Add G.S.T.	12%				Rs. 18,42,350=00
" Lab. Charges	1%				Rs. 1,53,529=00
					Rs. 1,73,48,796=00.
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