

To, to Bichhria (MIR)
Apar Engcon. Put limited
Shedule XLV Form No. 134.

Bhabua

DIVISION

Rampur


SUB-DIVISION

Apar Engcon

Measurement Book

1611

प्रमाणित किया जाता है कि इस
मापी पुस्तक में मशीन द्वारा युक्ति
कुल 100 (एक सौ) पन्ने हैं जो
मुख्यतः अभियंता शाखीय कार्य
विभाग कार्य केन्द्र, पंचकुला रामपुरा
को निर्गत किया जाता है।


Executive Engineer
Rural Works Division, Bhabhua
25.10.25

Sch. XLV-Form No. 134

मथुरा DIVISION
रामपुरा SUB-DIVISION

MEASUREMENT BOOK

No.

Name of Officer _____

Date of first entry _____

Date of last entry _____

1.

Name of work -

Situation of work -

Agency by which work is executed -

Date of measurement -

No. and date of agreement.

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

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	18+ R/A Bill				
	NILEDAK:- MR TO Road				
	From TOI TO Bichhiya				
	L→ 2.959 Km in Rampur				
	Block.				
	PKGNO:- MR-N/2022/2023 Bhabhua/25				
	Tender ID → 124452				
	(There are Two Roads in this				
	Package including this Road)				

Name of Contractors:- Ajay Engrcon Pvt Ltd				
B.O.-SID - Mathura Prasad Singh				
Kshatoya Nagar				
Aurangabad (Bihar)				
Bid Id → 540008				
Agreement NO:- MRSD-04/2023-2024				
Date of Agreement:- 10-07-2023				
Date of Start:- 23-06-2023				
Date of Completion (As per Agt) → 22/3/2024				
(A) Agreed Amount of this Package:-				
[Two Roads] →				
(i) Construction Amount ₹ 1578501/-				
(ii) Five Year Maintenance ₹ 4888825/-				
Total ₹ 20573834/-				

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
[B] Agreement Amount					
of the Road:-					
(i) Construction Cost					₹ 96,68,352/-
(ii) Five years maintenance					₹ 29,53,446/-
Total Amount					₹ 1,26,20,798/-
Accepted Rate:- @ 10.00% Below					
BOQ.					
[C] A.A. Amount :-					
(i) Cost of Initial Rectification					
with Surface renewal:-					₹ 93,11,500/-

(ii) Cost of Five years maintenance :-					₹ 32,80,100/-
(iii) Cost of Emergency Repairs:-					
(10.00%)					₹ 9,31,100/-
Total					₹ 1,35,22,700/-

Note:-

पत्रांक-मुं०७०-४(मुं०)-३०५४-०१-२५/२०२३

१७९६ / पत्रा. ति. ति. २०-०३-२०२३

[D] T.S. Details:-

(i) Construction Cost:- ₹ 1,08,47,500/-

(ii) Five years maintenance ₹ 32,80,600/-

Total ₹ 1,41,28,100/-

रिड T.S. NO-112 Dt:- 19/4/2023

Continuation

CE-I R. K. D. Bihari, Patna.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>CONTRACTOR'S DETAILS:-</u>					
PAN →	AADCA2509E				
G.S.T. NO:-	10AADCA2509E1ZK				
REGISTRATION NO:-	2161618				
Class:-	R.L.D. BIHAR.				
Date of Actual Completion →	22/3/2024				
<u>[E] WORK TO BE DONE (As per Agreement):-</u>					
(i) SDBC :-	2909.0m				
(ii) Pannel Concrete P.C.C:-	50.0m				
(iii) :-	Total(L) = 2959.0m				
(iv) HPC 600mm dia single Row	82 NOS				

(F) Work done:- (i) SDBC \rightarrow 0 to 50.0m and 60 to 2959.0m
 (ii) C-C Pavement \rightarrow Ch \rightarrow 550.0m to 640.0m \rightarrow 90.0m
 (iii) HPC 600mm dia 2 nos of Ch \rightarrow 295.0m to 295.0m
 Date of measurement:- 15/12/2023

To 22/3/2024

Date of Entry:- 22/3/2024

Measurements

He No (i) Clearing and Grubbing
 2.2. the road land d-d-o ell

$$550.0m \ 2 [(18 \times 30.0m) + (1 \times 10.0m)] \times 2.0m$$

$$= 2200.0m^2$$

$$2959.0m \ 2 [(71 \times 30.0m) + (1 \times 29.0m)] \times 2.0m$$

$$= 8686.0m^2$$

Total(L) = 2709.0m

Continuation

Total = 10836.0m²

10.000

 \Rightarrow 1.0836 Hec

Rimitted 1.08 Hec

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item NO 12.5(I)	7/28	Plain Reinforced Cement Concrete in			
		MIS in slab structure			
		do-do as per direction of Engg.			
		H.W:- $2 \times 2 \times 3.60 \times \frac{(1.32 + 0.40)}{2} \times 2.78$			
					$= 34.587 \text{ m}^3$
		Parake:-			
		$2 \times 2 \times 3.60 \times 0.40 \times 0.60$			
					$= 3.456 \text{ m}^3$
		Total =			38.043 m^3
		Loss @ 10%			
		$2 \times 2 \times \frac{\pi}{4} (0.830)^2 \times 0.739$			
					$\Rightarrow 1.60 \text{ m}^3$
		Net Qty =			36.443 m^3
		limited			36.42 m^3
Item NO 9.3(B)	7/29	Providing and Laying RCC Pipe			
		NPS of 600 mm dia, do-to			
		Engg			
		$2 \times 3 \times 2.50 \text{ m} \Rightarrow$			15.0 m

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Hemo (1/2) Ex coarction for					
2.14. roadway in Box-					
cutting & disposal					
per direction of E.P.					
(i) In Laid down Position					
250.0m	2	$[(8 \times 30.0m) + (1 \times 10.0m)] \times 0.50m$			
					$\times 0.275m$
					$\Rightarrow 68.75m^3$
Hemo (1/2) Ex coarction for					
Hemo (7/8) Construction					
4.1 of Granular					
Sub base & 20					

					as per direction
					of E.P.
(i) In Laid down Position					
250.0m	(L)	2	$[(8 \times 30.0m) + (1 \times 10.0m)] \times 0.50m$		
					$\times 0.200m$
					$= 50.0m^3$
(ii) In concluded Position (G.S.B)					
					$5 \times 4.05 \times 0.71 \times 0.10 = 1.437m^3$
					$1 \times 8.40 \times 2.25 \times 0.10 = 1.890m^3$
					$7 \times 3.45 \times 0.60 \times 0.10 = 1.449m^3$
					$6 \times 5.04 \times 0.55 \times 0.10 = 1.663m^3$
					$6 \times 4.75 \times 1.80 \times 0.10 = 5.130m^3$
					$3 \times 6.80 \times 0.85 \times 0.10 = 1.734m^3$
(ii) Total Qty $\Rightarrow 13.213m^3$					

Continuation

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
184 R/A Bill					
Final of main work					
Abstract of Cost					
Date of Actual Completion →	22/3/2024				
Date of Entry →	22/3/2024				
All Qty vide (1) to (10)					
Item (1) Clearing and					
2.2. Grabbing the					
road land dg-dog					
P/3 item No (1) 1.08 Hect					
@ ₹ 72697.86/Hect					
					₹ 78513.24
Item (2) Excavation for					
2.14 road in					
Box-cutting dg-dog					
P/6 item (2) 68.75 m ³					
@ ₹ 103.85/m ³ ₹ 7139.25					
Item (3) Cost of sub					
3.14 grade and surface					
Shoulder dg-dog					
P/12 item No (2) 885.4 m ³					
@ ₹ 263.86/m ³ ₹ 233629.20					
Item (4) Const of GSB Gr-2					
4.1. dg-dog					
P/6-7 item No (7) 125.486 m ³					
@ ₹ 2653.26/m ³ ₹ 332946.20					
Continuation					₹ 652,227.00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F. ₹ 652227=
Item (6) Providing labor					
4.7.3A (B-3 do do do)					
P/8-9 item (6)					
187.975 m ³					
@ ₹ 5287.64/m ³					₹ 953,442
Item (7) Providing formwork					
S.I. Cast (5.1) do do do					
P/12 item (7)					
2331.33 m ²					
@ ₹ 50.51/m ²					₹ 1,17,068

Item (8) Providing					
S.I. Tack Coat (R.S.B)					
do do do					
P/15-16 item (8)					
15722.46 m ²					
@ ₹ 20.80/m ²					₹ 3,27,027
Item (9) Providing mass					
S.I. do do do					
P/15 item (9)					4704.51 m ²
@ ₹ 240.59/m ²					₹ 11,31,858
Item (10) Providing SDBC					
S.I. do do do					
P/16 item (10)					
275.448 m ³					@ ₹ 1472.40/m ³
					₹ 39,09,770

Continuation

₹ 71,09,894

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F. 2710984
Item (11/1) Cont of DLC					
G.I. dia 100mm					
P/10 item no (11)					
1153m ³					
@ ₹ 4898.84/m ³					
					₹ 7495240
Item (11/12) Cont PCC					
G.I. 1030 Pavement					
dia 100mm					
P/10 item no (11/12)					
1875m ³					
@ ₹ 8867.20/m ³					₹ 1,66,26020
Item (12/13) RCC MIS					
10.1. Grade (i) in					
ordinance km 100m					
P/10 Item (12/13)(ii)					
4NB @ ₹ 2902.87/ea					₹ 11,60920
Item (13/14) RCC MIS Grade					
(iii) 200mm Stone bed					
P/10 item (13/14)(iii) 12NB					
@ ₹ 898.24/ea					₹ 998820
Item (14/15) Paving					
10.2. and fix up					
do do 6mm square					
triangle do do					
P/12 item (14/15) 8NB					
@ ₹ 4360.61/ea					₹ 34,88420

Continuation

₹ 73,39,960

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Bf ₹ 73,39,960/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Bf ₹ 34,884/-
Item (18/16) Road marking					
10.2. Fixing retro-reflective					
Greenon cells @					
P/12 item No. (18/15)					
6 MB @ ₹ 4214.82/m ²					
					₹ 25,288/-
Item (16/12) Road marking					
10.2. Caul fixing retro-					
reflective do do					
@					
P/12 item No. (19/16) 8 MB					
@ ₹ 4035.11/m ² @ ₹ 32600/-					
Item (17/18) Road marking					
10.8. (BT) do do @					
P/17 item No. (28/8)					
581.80 m ² @ ₹ 886.39/m ²					
					₹ 515,701/-
Item (19/19) Road marking					
10.8. (C) do do @					
P/12 item No. (22/19)					
10.0 m ² @ ₹ 1004.15/m ² ₹ 10,041/-					
Item (20/20) Road marking					
10.6. Fixing Ty. cells do do @					
P/17 item No. (29/20)					
2 m ² @					
@ ₹ 10,899.48/m ²					

Continuation

₹ 21,798/-

₹ 79,45,388/-

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					8.52 79,453.88
Item (20/21) Guard Band					
15.13 RCD Boundary Pile					
do do					
P/10 Item (19/21)					
72 Nos @ ₹ 691.47 each					₹ 49785.24
Item (21/22) Planting Tree					
11.9 RCD do do					
200 Nos P/11 Item (17/22)					
@ ₹ 1254.41 each					₹ 2,50,882.20
Item (22/23) Plastering					
12.30 (i) in CM (1:4) do do					
P/11 Item (19/23)					
33.60 m ² @ ₹ 197.85/m ²					₹ 6647.00
Item (23/24) Blk in CM (1:3)					
13.9 do do					
P/11 Item (14/24) 4.608 m ³					
@ ₹ 6831.35/m ³					₹ 31,478.00
Item (24/25) Painting					
10.5 Coats do do					
P/11 Item (16/25) 58.56 m ²					
@ ₹ 135.23/m ²					₹ 7919.00

Continuation

₹ 82,92,099.00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B. for 8292099 cu
Item No (25/26) Excavation					
9.1/11.1 of fender do					
ell					
P/4 item No (26/26)					
38.4355 m ³					
@ ₹ 388.28 / m ³					
					₹ 14,731.20
Item No (26/27) RCC M15 (1:2:5.5)					
11.4 (IT) m open fender do					
ell					
P/4 item No (27/27) 6.655 m ³					
@ ₹ 6816.56 / m ³ ₹ 45864.3					
Item No (27/28) RCC M20 (1:2:4)					
12.5 (IT) m BS do do					
as per direction of Engineer					
P/5 item No (28/28)					
36.425 m 36.42 m ³					
@ ₹ 7826.06 / m ³					
					₹ 285,025.1
Item No (28/29) RCC NP3 600 mm					
9.3 (IT) dia HP 600 P/No (29/29)					
150 mm @ ₹ 3239.55 / m ₹ 48,593.25					
Total Area ₹ 86,85,812.00					

Continuation

Continuation