

Propaganda
Angim PVT

Tethuli Barathpur Road to **DIVISION**

MEASUREMENT BOOK

ଅଞ୍ଜନା ଶାସିନୀ, ୧୨୩, ୧୫୮

7405

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work:-	Construction of				Jethuli Punadih Sadar Block.
Road & C.D. works for					
Borathpur Road to					
Road in					
Name of Agency:-	Progressive Engineer				P.U.T.T.
Agg No :-	29/MBD/2020-21				
Date of written order:-	21-09-2020				
Date of Completion:-	20-06-2021				
Date of measurement:-					
As per below -	12.33%.				
① Clearing and grubbing					
Road land including					
uprooting wild vegetation					
grass bushes - - all	Complete.				
	2 x 28 x 30 x 1.00	= 1680.00			
	2 x 1 x 30 x 1.00	= 60.00			
	2 x 1 x 26 x 1.00	= 52.00			
		1792.00			
		0.1792 Hae			
② Construction of sub grade					
and earthen shoulder					
with approved material					
obtained from borrow pit					
with all left and right					

all complete Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
flank: 2 x 28 m x 30 x 1.1 x .900 =					1663.2
2 x 100 x 30 x 1.10 x .900 =					59.4
2 x 1 x 26 x 1.10 x .900 =					51.48
					1774.08 m ³

③ Construction of granular sub base by providing well graded material spreading in uniform layers - all complete as per Technical specification

14m x 1.80 x 0.100 =	2.52 m ³
18m x 1.90 x 0.100 =	3.42 m ³

17 x 1.60 x 0.100 =	2.72 m ³
14 x 1.90 x 0.100 =	2.66 "
21 x 1.80 x 0.100 =	3.78 "
18 x 1.50 x 0.100 =	2.70 "
20 x 2.00 x 0.100 =	4.00 "
17 x 1.700 x 0.100 =	2.89 "
20 x 1.800 x 0.100 =	3.60 "
17 x 2.10 x 0.100 =	3.57 "
19 x 1.90 x 0.100 =	3.61 "
14 x 1.65 x 0.100 =	2.31 "
30 x 1.90 x 0.100 =	5.70 "
26 x 1.30 x 0.100 =	3.38 "
30 x 1.80 x 0.100 =	5.40 "
27 x 1.90 x 0.100 =	5.13 "

Continuation
32 x 2.00 x 0.100 = 6.40 "

63.52 m³

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of Cont:-					
① Clearing and grubbing road and					
P=1					
				$Q = 0.1792 \text{ Hec}$	
				@ Rs 52998.20/Hec	Rs 9497.10
② Construction of sub grade and center shoulder					
P=					
				$Q = 1774.08 \text{ m}^3$	
				@ Rs 220.58/m ³	391326.46
③ Granular sub base with well graded material - all					
Complete					
P=3					
				$Q = 462.84 \text{ m}^3$	
				@ Rs 2335.89/m ³	Rs 1080990
(4) W.B.M Grading-2					
providing layers spread					
and Compacting stone egg					
of specific size to					
water Bound macadam.					
P=3					
				$Q = 508.995 \text{ m}^3$	
				@ Rs 4414.05/m ³	2246729
W.B.M-3					
(5) providing layers spread					
and Compacting stone					
aggregate					
Continuation					
Specific size water Bound macadam specification.					

Total Rs 35,88,542



B
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L ₁	B ₁	D ₁	
P=4	Q	254.910	m ³		
	(a) R	1078.7	/m ²	R	1037714 = 60
(6) Providing and applying Prime Coat with Bitumen emulsion 5% on prepared surface --- all Complete					
P=4	Q	3373.24	m ²		
	(a) R	43.61	/m ²	R	147979 = 60
(7) Providing and applying Tack Coat with bitumen emulsion --- all Complete					
P=4	Q	6786.6	m ²		
	(a) R	14.77	/m ²	R	100238 = 60
(8) Providing and laying Semi Dense bituminous Concrete --- all Complete					
P=5	Q	84.8317	m ³		
	(a) R	10681.52	/m ³	R	906131 = 60
(9) Providing and laying bituminous macadam with --- all Complete					
P=5	Q	169.664	m ³		
	(a) R	87.30.67	/m ³	R	1481280 = 60

Continuation

R 7263.884 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) K.M. Stone - Reinforced Cement Concrete					
M15		Q = 1 Nb			
P=6	@	Rs 2269.73	each Rs		2270.00
(11) Reinforced Cement Concrete Stone KM -		Q = 4 Nb			
P=6	@	626.82/-	Rs		2507.00
(12) Providing and fixing interlocking Septon Board.					
P=6	Q = 14 Nb				
	@ Rs	3224.67/-	each Rs		45145.00
(13) Providing and fixing mandatory interlocking Septon Board.					
	Q = 2 Nb				
	@ Rs	4307.81	each Rs		8615.00
(14) Providing and fixing of retro reflective Cautionary Septon Board.					
	Q = 14.0 Nb				
	@ Rs	4196.94	each Rs		58757.00
(15) Boundary Wall / Guard Post. Reinforced Cement Concrete					
M15 Boundary Wall /					
P=6	Q = 32 Nb				
	@ Rs	521.71	each Rs		16695.00

Continuation

73978740

Sch. XLV-Form No. 134

[illegible]

Continuation

Serv fee 10% \$ 948
 31.05.2004
 AE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		Roy			
① E/W - 127	4.08 m ²	x 33	-		58545
② S/m - 242	m ²	x 150	-		36300
③ L/S - 161	136 m ²	x 75	-		12085
④ S/m - 616	m ²	x 150	-		92400
⑤ S/m - 135	90 m ²	x 150	-		20385
⑥ Rinda/m - 40.71	m ²	x 150	-		6107
⑦ L/S - 308	44 m ²	x 150	-		46266
⑧ Rinda/m - 61.17	85 m ²	x 150	-		9177
⑨ S/CL - 313	m ²	x 150	-		46950
					328215 =

		75679512		
① S.O.E.S.X -		378398		
② S.T.E.S.X -		151359		
③ L.C.E.S.X -		75680		
④ S.W.S.T.E.S.X -		75680		
⑤ C.W.S.T.E.S.X -		75680		
⑥ Roy -		70630		
⑦ Roy (mud) -		257885		
⑧ S/Fee -		94826		
⑨ Bx Chapar -		638113		
		75679512		

AMT. 75679512 FOR THE FUTURE (A) Mr. Patna

AMT. 75679512

✓ 20/10/2021
18/6/2021

Continued

Executive Engineer

W/S Division

Patna

08/04/21

08/04/21

2nd on A/C & Final Bill

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work - Const. of Road & CD					
Woks for Jethauli Ghatapur					
Road to Punadih Road in					
Patna Sadak Block					
Name of Agency - Progressive Engicon					
(Pvt. Ltd.)					
Pgg. No. - 25/MBD/2020-21					
Date of written order - 21.09.2020					
Date of Completion - 20.6.21					
Actual date of completion - 31/5/2021					
Rate - 12.33% Below (as per approved					
Measurement - Nil ->					

Sabit

JE

Abstract of cost

① clearing & grubbing Road land

$Q = 0.1792 \text{ Hac} @$

Pg = 07

Rs. 52998.20/Hac = Rs. 9497

② Const. of Subgrade & earthwork

Pg = 07

Shoulder - do -

$Q = 1774.08 \text{ m}^3 @ 220.58/\text{m}^3 = 391326$

③ Granular Sub base with

Pg = 07

Well graded Material -

$Q = 402.84 \text{ m}^3 @ 2335.89/\text{m}^3 = 940992$

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) W.B.M grading - 2					
Providing laying spreading and compacting Stone Aggregate of specific size to					
$1-7 \quad Q = 502.995 \text{ m}^3 @ 441.4.05 = 224678$					
(5) Providing laying & spreading					
of W.B.M grs - 3 - do -					
$9-08 \quad Q = 254.910 \text{ m}^3 @ 4078.75/\text{m}^3 = 1039714$					
(6) Providing and Applying					
Primer coat with bitumin emulsion ss, on prepared surface - do -					
$pg-08 \quad Q = 3393.24 \text{ m}^2 @ 43.61/\text{m}^2 = 147979$					
(7) Providing & Applying tack coat with Bitumin emulsion					
- do -					
$pg-08 \quad Q = 6786.6 \text{ m}^2 @ 14.77/\text{m}^2 = 100238$					
(8) Providing & Applying semi dense bituminous concrete					
$pg-08 \quad Q = 84.8317 \text{ m}^3 @ 10681.52/\text{m}^3 = 906131$					
(9) Providing & laying bituminous macadam with - do -					
$pg-08 \quad Q = 169.664 \text{ m}^3 @ 8730.67/\text{m}^3 = 1481280$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) K.m stone					
(1) Reinforced cement concrete					
pg=9 MIS					
Q=1 No @ 2269.72/each = Rs 2270=					
(11) Reinforced cement concrete					
Stone Km					
pg=05 Q=4 Nos @ 626.81/ = Rs 2507=					
(12) Providing & Fixing Informatory					
Sign board					
pg=09 Q=14 Nos @ 3224.67/each = 451452=					
(13) Providing & Fixing mandatory					
Informatory sign board					
pg=09 Q=2 Nos @ 4307.81/each = 8616					8616
(14) Providing & Fixing of Retn					
reflectorised cautionary					
Sign board					
pg=09 Q=14 Nos @ 4196.94= 58757=					
(15) Boundary Pillar/					
Guard Post Reinforcement					
concrete MIS Boundary					
Pillar					
pg=09 Q=32 Nos @ 521.71= 16695=					
(16) Road marking with Hot					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Applied thermoplastic compound					
$3^{\text{rd}} \text{ @ } 179.20 \text{ m}^2$					
$\text{Rs. } 722.30/\text{m}^2 = \text{Rs. } 129436$					
17) Providing and fixing logo maintenance project					
$3^{\text{rd}} \text{ @ } 3 \text{ Nos. @ } 9330.03/\text{each} = 27990$					
					$\text{Rs. } 7555,300$
Add 12% WST					$\text{Rs. } 906636$
Add 1% L/C					$\text{Rs. } 75553$
Add S.F					$\text{Rs. } 94826$
					$\text{Rs. } 8632315$
Less 19.33% As Per Agreement					$\text{Rs. } 1064364$
					$\text{Rs. } 7567951$
Less previous Payment					$\text{Rs. } 7567951$
					$00 = 00$
Work has been done as per specification and direction of E/I					Nil
Sabeel 13/12/2022					
JE					
Prmth R. (M.I.)					

Continuation
Executive Engineer
Rural Work Department
Works Division, Patna
27/12/23