

W/scheme: - Construction & 55% Maintenance of Food Function
Mathaule Path Se Brahmapur (Bazad) In

Schedule XLV Form No. 134.

Pumpun Block.

(Mmhsy 8k)

Rate - 11.06%.

Bazad

iv/Conf: - Sanjeev Kumar

DIVISION

Fig. No - 11/580/2021-22

SUB-DIVISION

RECEIVED: - 25/11/21

Measurement Book

PUMPUN

1251.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	03rd and Final Bill				
Name of work -	Const of Rd from				
Punpun	Marhau	Path	Se	Brahmapur	
Bana	Under	Punpun	Block		
Agreement No -	11/SBD/2021-22				
Agency -	Sri Sanku Kumar, Patna				
Start date -	09/02/2021				
Date of completion as per CR -	08/2/2022				
	<u>We Defectly</u>				
Item (01)	Box (01)	Setting out of			
Pillars	Boundary & joining corner				
	Benchmark & Ref Pillar				
	etc complete				
	$5 \times 30 = 120 \text{ mtr}$				
	$= 0.150 \text{ km}$				
	Already taken 10/1/16 (16)				
Item (02)	Box (02)	clearing & grubbing			
	Rd land by manual means				
	etc complete				
	$0.5 \times 30 \times 2 \times \frac{0.9 + 1.50}{2} = 360 \text{ m}^2$				
	$= 0.036 \text{ Ha}$				
	Already taken 10/1/16 (16)				
Item (03)	Box (03)	Material is			
	flexible pavement - etc				
	Complete.				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 30 X 3.75 X 0.075 =					8.43 m ³
1 X 20 X 3.75 X 0.075 =					5.62 m ³
Now Rly X 105g					14.05 m ³
Item (14) Box (14) Provisioning laying					
Spreading and compacting stone					
egg - 10.12 m 300 M in Rigid					
Pavement Poreholes - etc					
Complete					
1 X 8 X 3.75 + 4.10 + 3.9 X 0.075 =					2.35 m ³
1 X 11 X 5.3 + 4.8 + 4.20 X 0.075 =					3.92 m ³
3 X 30 X 3.75 X 0.075 =					25.31 m ³
1 X 25 X 3.75 X 0.075 =					7.03 m ³

1 X 5 X 3.9 + 4.5 + 4.2 X 0.075 =					10.58 m ³
1 X 30 X 3.75 X 0.075 =					8.44 m ³
1 X 24 X 3.75 X 0.075 =					6.75 m ³
1 X 6.00 X 4.3 + 3.9 + 4 X 0.075 =					1.83 m ³
1 X 25 X 3.75 X 0.075 =					7.03 m ³
1 X 6 X 4.4 + 3.9 + 4.15 X 0.075 =					1.87 m ³
1 X 25 X 3.75 X 0.075 =					7.03 m ³
Total					72.15 m ³

Item (15) Box (15) Cement concrete					
Pavement M30 grade with					
using M30 grade cement - etc					
(Complete) Ref Item 04 P/N 0 (29)					
72.15 m ³ / 0.075 =					962 m ²
962 m ² X 0.160 m					
Total					153.92 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (06) BOQ (06) const of subgrade and earthen shoulder etc complete					
8 x 30 x 2 side x 0.650 x 0.100					31.20 m ³
8 x 30 x 2 x 0.650 x 0.075					= 23.40 m ³
8 x 30 x 2 x 0.650 x 0.160					= 49.92 m ³
1 x 10 x 2 x 0.600 x 0.335					= 4.02 m ³
					108.54 m ³
Item (07) BOQ 22 Road marking with Hot applied thermoplastic compound on Bit surface etc complete					
13 x 30 x 2 x 0.100					= 78 m ²
1 x 25 x 2 x 0.100					= 5 m ²
24 x 30 x 2 x 0.100					= 144 m ²
1 x 10 x 2 x 0.100					= 2 m ²
Peccan 1 x 5 x 2 x 0.100					= 1 m ²
					230 m ²
Item (08) BOQ (23) Road marking with Hot applied thermoplastic compound on Right surface etc complete					
8 x 30 x 2 x 0.100					= 48 m ²
1 x 10 x 2 x 0.100					= 2 m ²
					Total = 50 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (9) BOB (27) Boundary and fixing Logo Project Board with Paint Board as per Specification etc complete					
					= 03 Nos
Item (10) BOB (16) RCC M15 Kilometer Stone etc complete					
					= 03 Nos
Item (11) BOB (17) RCC M15 200m Stone					
					= 06 Nos
Item (12) BOB (18) RCC M15 Boundary Pillar etc complete					
					= 20 Nos
Item (13) BOB (19) Profile Sign Board 600 mm circular Speed Limit Board					
					= 04 Nos
Item (14) BOB (20) 600 mm equivalent triangle Profile Sign Board left insert					
					= 02 Nos

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH	Area m ²	Maximum Area m ²			Volume m ³
700	4.978	5.067			253.35 m ³
750	3.228	4.103			205.15 m ³
800	3.229	3.229			161.425 m ³
850	5.294	4.262			213.075 m ³
900	4.960	5.127			256.35 m ³
950	4.747	4.854			242.675 m ³
1000	5.413	5.080			254.00 m ³
1050	5.329	5.371			268.55 m ³
1100	4.788	5.059			252.92 m ³
1150	5.040	4.914			245.70 m ³
1200	1.618	3.329			166.45 m ³
1250	1.356	1.487			74.350 m ³
1300	1.596	1.476			73.80 m ³
1350	2.259	1.928			96.375 m ³
1400	1.915	2.087			104.35 m ³
1450	1.836	1.876			93.0775 m ³
Total Qty (including crest)					5475.075 m ³
Subgrade					(-)
Subgrade					(-) 3348.54 m ³
W.R.M II					(-) 410.65 m ³
PCC Pavement					(-) 153.92 m ³
Gr.S.B					(-) 878.60 m ³
Net Qty					683.36 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
Item (01) BOB (09) water Bound macadam in flexible Ponds					
Ref MB P/No (29) & (22)					
$14.05 + 324.45 = 338.50 m^3$					
$338.50 m^3 @ Rs 308101/m^3$					<u>Rs 10,42,956/-</u>
Item (02) BOB (14) water Rigid pavement Ponds					
Ref MB P/No (29)					
$72.15 m^3 @ Rs 308101/m^3$					<u>Rs 2,22,302/-</u>
Item (03) BOB (15) cement concrete Pavement M30 grade					
Ref MB P/No (29)					
$153.92 m^3 @ Rs 6247.87/m^3$					<u>Rs 9,61,672/-</u>
Item (04) BOB (06) const of subgrade & Earthen shoulder					
Ref MB P/No (30) & (23)					
$108.54 + 3240 = 3348.54 m^3$					
$3348.54 m^3 @ Rs 190.01/m^3$					<u>Rs 6,36,256/-</u>
Item (05) BOB (22) Road marking with Hot applied thermoplastic on flexible Ponds — etc complete					
Ref MB P/No (30)					
$230 m^2 @ Rs 721.95/m^2$					<u>Rs 1,66,048/-</u>

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (6) BOB (23) Road marking with Hot applied thermoplastic on Rigid Portion etc complete					
	Ref MB PNO (30)				
50 nos @ Rs 721.95 /m ²				B	36097/-
Item (7) BOB (29) Providing & fixing main Logo Board of Project and main Board etc complete					
	Ref MB PNO (37) & (24)				
	3+1 = 04 Nos				
04 Nos @ Rs 9426.39 /ea				B	37706/-
Item (8) BOB (16) Kilometer Stone					
	Ref MB PNO (31)				
03 Nos @ Rs 2095.55 /ea				B	6286/-
Item (9) BOB (17) 200 m Stone					
	Ref item (31) PNO (31)				
06 Nos @ Rs 586.16 /Each				B	3517/-
Item (10) BOB (18) Boundary Pillar					
	Ref MB PNO (31)				
20 Nos @ Rs 495.83 /ea				B	14875/-
Item (11) BOB (16) 600 m circular Band					
	Ref MB PNO (31)				
04 Nos @ Rs 4644.11 /ea				B	18576/-
Item (12) BOB (20) 600 m equilateral & triangle					
	Ref MB PNO (31)				
02 Nos @ Rs 3469.87 /ea				B	6940/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (13) BOB (2) 600 X 450 m rectangular Board Ref MB P/NO (32)					
0.2 Nos Q B 4523.91/m				R	9048 f
Item (14) BOB (38) providing and fixing 1000 mm dia HPE RCC pipe etc complete Ref MB P/NO (32)					
7.5 mtr Q B 3600.40/m				R	27003 f
Item (15) BOB (04) const of embankment 1000 mtr lead etc complete Ref MB P/NO (34)					
669.82 m ³ Q B 190.57/m ³				R	127647 f
Item (16) BOB (05) const of embankment of 100 mtr lead etc complete Ref MB P/NO (34)					
13.54 m ³ Q B 153.66/m ³				R	2080 f
Item (17) BOB (01) setting out Ref Bench marks & survey etc complete Ref MB P/NO (22)					
1.50 km Q B 11262.33/km				R	16894 f
Item (18) BOB (02) clearing & grubbing Ref MB P/NO (22)					
0.03 Ha Q B 52970.33/Ha				R	15891 f
Item (19) BOB (03) Box cutting Execution Ref MB P/NO (22)					
100.50 m ³ Q B 75.57/m ³				R	7595 f

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (13) BOB (32) 600 X 450 mm					
Rectangular Board					
Ref MB PN (32)					
0.2 Nos @ Rs 4523.91/Ea					Rs 9048/-
Item (14) BOB (38) Providing and					
Laying 1000 mm dia HPE RCC Pipe					
etc complete					
Ref MB PN (32)					
7.5 mtr @ Rs 3600.40/m					Rs 27003/-
Item (15) BOB (04) const of embankment					
1000 mtr lead etc complete					
Ref MB PN (34)					
669.82 m ³ @ Rs 190.57/m ³					Rs 127647/-
Item (16) BOB (05) const of embankment					
of 100 mtr lead etc complete					
Ref MB PN (34)					
13.54 m ³ @ Rs 153.66/m ³					Rs 2080/-
Item (17) BOB (01) Setting out Ref Bench					
work & cooking etc complete					
Ref MB PN (22)					
1.50 km @ Rs 11262.33/km					Rs 16894/-
Item (18) BOB (02) clearing & grubbing					
Ref MB PN (22)					
0.34 Ha @ Rs 52970.33/Ha					Rs 15891/-
Item (19) BOB (03) Box cutting Execution					
Ref MB PN (22)					
100.50 m ³ @ Rs 75.57/m ³					Rs 7595/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (20) BOB (07) Filling sand in furnace etc complete					
Ref MB P/NO (22)					
689.96 m ³ @ Rs 1924.09/m ³					Rs 13,27,545/-
Item (21) BOB (08) G.S.B. Gr. I in flexible portion					
Ref MB P/NO (22)					
832.38 m ³ @ Rs 2486.35/m ³					Rs 20,69,389/-
Item (22) BOB (13) G.S.B. Gr. II in C.C. Permanent Portion					
Ref MB P/NO (22)					
46.30 m ³ @ Rs 2486.35/m ³					Rs 1,15,118/-
Item (23) BOB (16) Prime coat 1st					
Ref MB P/NO (23)					
4386.23 m ² @ Rs 43.17/m ²					Rs 1,89,354/-
Item (24) BOB (11) Tack coat 1st					
Ref MB P/NO (23)					
4386.23 m ² @ Rs 14.72/m ²					Rs 64,785/-
Item (25) BOB (12) M.S.S. 20 mm thick					
Ref MB P/NO (23)					
4386.23 m ² @ Rs 194.12/m ²					Rs 8,51,674/-
Total Amt -					7977255/-
Add 1% C.C. 1988					Rs (+) 79772/-
12% Dist					Rs (+) 957271/-
S. Rec Ref MB 35					Rs 50,14,298/-
					Rs (+) 106288/-
Grand Total					Rs 91,20,586/-

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