

Ag: MRD. SHAHBAZ ALAM

Agreement no. 16(SBD)/2021-22

Pase Badnout PMUSY to A. Dewese Tola.

Head - PMGISY (S)
MMSY.

Measurement Book

Schedule XLV-Form No. 134

R. W. D (W) Japni

DIVISION

Barhad ~~Expi Paper~~.

SUB-DIVISION

MB No - 2920

	2nd	on A/c	B/V		
Name of Road:-	Construction of Road from				
	Pano Badkout	PMU to			
	Adiwasi Tola Block - Barhat				
Agency:-	Moh. Shahbaz Alam				
	At- Purani Bazar P.O. Dist- Jhansi				
Ag-No:-	16 (SBD)	2021-22			
Constn Cost:-	Rs 234	892	9120		
Maint Cost:-	Rs 40	455	3320		
	Rs 28	432	82420		
Date of Commencement:-	1.10.2021				
Date of Completion:-	30.09.2022				
Date of Entry:-					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Construction of H.P. culvert					
1000 mm Ø					
1 E.W. in excavation for foundation					
32 A Structure					
H.W. -	2x	6.450	1.400	1.500	27.090
Below pipe	1x	4.850	1.53	0.361	2.708
					29.798
3 Nos 1					29.798 M^3
2 P.V. M-20 P.C.C. (11.25 x 15)					
33 in open foundation					
H.W. -	2x	6.45	1.40	0.150	2.70
Below pipe	1x	4.931	1.53	0.280	1.88
					4.58 M^3
3 Nos 1					4.58 M^3
3 P.C.C. / R.C.C. (M-20) in					
34 Sub-structure					
H.W. -	2x	6.150	0.825	3.180	32.269
Parapet	2x	6.150	0.400	1.00	4.920
					37.189 M^3
Less for pipe					
2x		0.7857	1.23	0.6222	1.478
					35.711 M^3
3 Nos 1					35.711 M^3
4 P.V. & laying R.C.C. pipe No. 3					
35 for culvert on R.C. slab bedding					
3x		2.50			7.50
					22.50 M^3
3 Nos 1					22.50 M^3

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					3547.79 M³
					3568.81 M³
4x30'0 x 4.05 x 2.00 =					97.20 M ³
4x30'0 x 4.05 x 2.00 =					97.20 M ³
1x18 x 4.05 x 2.00 =					14.58 M ³
1x8'0 x 4.05 x 2.00 =					6.48 M ³
					37.63.25 M ³
Less previous 8th side					
Page No. 5 Item No (B)					37.25 M ³

7 PIV Lining Typical MMbs
 31 Informatory Logo Sign Boards
 3NS

8 Constn At WBM 98 111
 8 PIV Lining Spreading 2

Compacting Stone Aggregate					
A specific size to WBM 98 111					
2x14'0 x 3.75 + 3.75 x 3.75 x 0.75 =					8.54 M ³
10x30'0 x 3.75 x 0.75 =					84.375 M ³
12x30'0 x 3.75 x 0.75 =					101.250 M ³
18x30'0 x 3.75 x 0.75 =					151.875 M ³
16x30'0 x 3.75 x 0.75 =					135.00 M ³
2x12 x 3.75 + 3.75 + 3.75 x 0.75 =					6.93 M ³
5x30'0 x 3.75 x 0.75 =					42.187 M ³
6x30'0 x 3.75 x 0.75 =					50.625 M ³
2x08 x 3.75 + 3.75 + 3.75 x 0.75 =					5.49 M ³
10x30'0 x 3.75 x 0.75 =					84.375 M ³
3x30'0 x 3.75 x 0.75 =					25.312 M ³
20x30'0 x 3.75 x 0.75 =					168.75 M ³

Continuation
 814 863.243 M³

Approved
 31/12/22
 2.0

Signature
 31/12/22

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
C.C. Portion					
2+3 X	4.05	+4.50	+4.05	X 0.10	= 2.52 M ³
		3			
8 X 30.0 X	4.05		X 0.10		97.20 M ³
4 X 30.0 X	4.05		X 0.10		48.60 M ³
7 X	4.05		X 0.10		2.83 M ³
1 X 30.0 X	4.05		X 0.10		12.15 M ³
					163.30 M ³

10
12 C.C. Pavement

Condrn A un-reinforced

f.c.c over a prepared

Sub-base with 43 grade cement

2 X 3 X	3.75	4.15	+3.75	X 0.16	= 3.72 M ³
		3			
8 X 30.0 X	3.75		X 0.16		144.00 M ³
4 X 30.0 X	3.75		X 0.16		72.00 M ³
1 X 30.0 X	3.75		X 0.16		18.00 M ³
1 X 7.0 X	3.75		X 0.16		4.20 M ³
					241.92 M ³

11
09 Prime Coat (SS-1) AE

ply & applying primer coat

(SS-1) with bitumen Emulsion

on prepared Surface.

2 X 14 X	3.75	+4.85	+3.75	= 10	5.93 M ²
		3			
10 X 30.0	X 3.75				1125.00 M ²
12 X 30.0 X	3.75				1350.00 M ²
18 X 30.0 X	3.75				2025.00 M ²
16 X 30.0 X	3.75				1800.00 M ²

6405.93 M²

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
24 Road Marking on e.e Portion					
26	27	5 x 30.0 x 0.1 W	✓		30.0 W M ²
	27	5 x 30.0 x 0.1 W	✓		30.0 W M ²
	27	3 x 30.0 x 0.1 W	✓		18.0 W M ²
	27	1 x 10.0 x 0.1 W	✓		2.0 W M ²
					80.00 M ²
25 R.C.C M-15 boundary Pillar					
27		32 NIS			
26 Planting of Trees by the					
28 Road Side					
		230.0 NIS			
27 Half brick circular					
27 tree guard in 2nd					
plan brick					
		230 NIS			
28 PIV & erecting direction					
30 & place identification					
Retro-reflective Sign Board					
		20 NIS			
29 Constrn of sub-grade					
6 & Earthy shoulder with					
approved material obtained					
from borrow pits with all					
lift & loads transportation					
to site					
Earthy shoulder (Side A) WBM & P.M.C					
27 20.0 x 30.0 x 1.245 x 0.075	2				116.55 M ³
27 20.0 x 30.0 x 1.245 x 0.075	2				116.55 M ³
					233.10 M ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Earthwork Side (Front of G.S.B 2 W.B.M)					
Side e.e. Portion)					
2x10x	30.0	x1.22	x0.160	=	117.12 M ³
2x3x	30.0	x1.22	x0.160	=	35.13 M ³
2x1x	10.0	x1.22	x0.160	=	3.90 M ³
					156.25 M ³
Earthwork Side (Side of G.S.B 2 W.B.M)					
2x10x	30.0	x1.39	x.175	=	145.95 M ³
2x3x	30.0	x1.39	x.175	=	43.78 M ³
2x1x	10.0	x1.39	x.175	=	4.86 M ³
					194.59 M ³
Total Qty					
893.49 + 2741.60 + 156.25 + 194.59 = 3985.83					
less for Hard Shoulder					
139x	1.20	x0.30	=	(-) 50.04	
					3935.79 M ³
Prasad 8/4/22 o'k Prasad 5/4/22 A-E					

2nd on A/C B11)

ABSTRACTS OF COST

20

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. PW 2 fixing & working bench					
Mark - Pillar					
Surveyor Page No 6 in DMD					
5. WKM @ 32237-24 KM					R 1611862
2. Cleaning & Grubbing Rd land					
Surveyor Page No 6 in DMD					
1.75 Hae @ 51137-38 Hae					R 894902
3. Constn of Embankment					
Surveyor Page No 6 in DMD					
260.81 M @ R 1902 45/M					R 496712
4. Constn of Embankment					
Surveyor Page No 6 in DMD					
2750.39 M					
R 1482 89/M					R 5583962
5. Constn of Sub-grade & Earthen Shoulder with approved material					
Surveyor Page No 6 in DMD					
107 62.50 M					
Surveyor Page No 19 in DMD					
39 35.79 M					
146 38.29 M					
R 192432 M					R 28239822
R 282662810					
6. Constn of G.S.D 82 P					
Surveyor Page No 6 in DMD					
3726.00 M					
Surveyor Page No 11					
37.25 M					
Surveyor Page No 13					
163.30 M					
29262 55 M					
R 19092 80/M					R 74989252

Total R 11842962

Continuation

111 81 6502

B 119760 28 1 W

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B 18121052
17	M. 5.5 (S-90)				
11	Plv laying & rolling of close graded premix				
	Surfacing material of 20mm thickness composed of 13.2mm to 0.9mm (Type B)				
	Qty vide Page No 15 in DMB				
	17421.93 M ²				
					B 38037302
18	Hard shoulder				
13	Laying brick soling layer on prepared sub-grade with brick on end edging				
	Qty vide Page No 15 in DMB				
	400 M ²				
					B 21801610
19	Cable duct across the Road				
14	Plv & laying of R.C.C. Pipe duct 300mm Ø across the Road				
	Qty vide Page No 15 in DMB				
	150 M ²				
					B 24125710
20	5 KM Stone				
16	1M @ 7529264/each				
					B 753010
21	11 KM Stone				
17	6M @ 1981954/each				
					B 1188910

Continuation B 2239795510
2240347410

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BFB 234706922W
30 28	Planting of Trees by the Road Side				
	Qty Side Paper No 17 in D.M.B.				
	230 N/S				
	CB 819292/each				B 188581W
31 29	Half bricks circular tree guard				
	230 N/S				
	Q 1566234/each				B 3602582

32	Erecting directional & Place				
30	Identification Sign Board				
	Qty Side Paper No 17 in D.M.B.				
	20 N/S				
	@ B 11275241/each				2255082
					B 22508
33		B	242	479	582W
	Add 12% GST	R	29	097	552W
	Add 1% L. cess	B	2424	80	2W
		B	274	001	932W
	Add S. Fee	R	4	346	552W
		B	278	348	482W
	Less 16.50% as per				
	Agreement	W/B	45	927	502W
		B	232	420	982W

B 232420982W

Continuation

Material Statement for this RBT				
EW- 1.25 x 3935.7914 ³				
GSB 851 - 37.25 x 163.30 x 200 mm ³				
53 mm to 9.5 mm = 120.33 m ³				
@ 620 2621 m ³				

Continuation