

Agency: Bhobeshankar Const. Pvt. Ltd

Schedule XLV-Form No. 134

MMG84-NDDIS Alexash

G.T Road Near FCI to Arna Bigha

E.E. R.W.D. WDM Faranagad **DIVISION**

He DEO

SUB-DIVISION

NO-14495

MEASUREMENT BOOK

2nd and Final Bill

9

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Name of Road:	Gravel Rd from				
	G.T. Road near FCI				
	to Anna Highm under				
	Hort Mm 54 - NDIS				
	(Khasra) Length 0.58km				
Agency:	Bhole Charan (cont)				
	Pvt. Ltd. PHEP				
	Colony Anandabad				
Agg no	68/ EBD/ 2022-24				
Agg value = Rs	58,718 - 0.11% below				
Date of Est =	06-02-2024				

Date of Completion	05-02-2025				
Actual Est. of Completion =					
	work done				
	Const of Embankment with				
	Material obtained from				
	borrow pits - 42 m				
	Complete Job				
	Lead upto 1000 m				
Area Ch.	Area	M-Base	Distm	=	Volume
1. 0	3.96	1.95	0	=	0.00 m ³
2. 50	4.16	4.00	50	=	200.00 m ³
3. 100	3.20	3.20	50	=	195.00 m ³

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
4. 150	3.90	3.80	50	2	190.00 m ³
5. 200	4.30	4.10	50	2	205.00 m ³
6. 250	4.10	4.20	50	2	210.20 m ³
7. 300	4.20	4.15	50	2	207.50 m ³
8. 350	4.00	4.10	50	2	205.00 m ³
9. 400	3.80	3.90	50	2	195.20 m ³
10. 450	4.00	3.90	50	2	195.20 m ³
11. 500	4.20	4.10	50	2	205.20 m ³
12. 550	4.10	4.15	50	2	207.00 m ³
13. 580	3.90	4.00	30	2	120.00 m ³
					2335.00 m ³
Deduct Grout = GSB-I = 220.24 m ³					
WBM-3 = 165.18 m ³					

$$PCC = 354.56 \text{ m}^3$$

$$\text{Met Dtg} = 1594.62 \text{ m}^3$$

$$\text{For 1000 m³ bed} = 1594.62 \text{ m}^3$$

Ans)

Cement Concrete Pavement =

C.P. = Cement concrete

Reinforced asphalt

and Construction cost

only, plain Cement

Thickness of Pavement

→ and Gravel

— 700 —

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Fuel length	6	30	3.25	0.16	108.00 m ³
	7	30	3.25	0.16	126.00 m ³
	6	30	3.25	0.16	108.00 m ³
	1	10	3.25	0.16	6.60 m ³
Barren	2	60	(1.20 + 1.60)	0.16	2.17 m ³
	4	20	(1.40 + 1.80)	0.16	2.56 m ³
	2	25	(1.40 + 1.80)	0.16	1.08 m ³
				total	354.81 m ³
(3)	Kilometer Stone =				
	RCC M.S. goods				
	Kilometer Stone =				
	all sample job				
	Km Stone = 2.00 Nos = 2.00 Nos				
	2000y Stone = 2.00 Nos = 2.00 Nos				
(4)	Boundary and fixing				
	Logo of project = P.I.				
	typical M.S.				
	information sign board				
	- all sample job				
Logo/Markers	2.00 No = 2.00 Nos				
Information Board					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(5) Boundary Pillars					
Guard Post = RCC					
M.S. grade boundary					
Pillars - do all complete					
- 2ch -					
Boundary Pillars		4.00 m			4.00 m
(6) Traffic Sign Plf					
of signs - deflectioned					
cautioning, mandatory					
and intermediary sign					
boards - do all					
Complete - 2ch					

(i) 600 mm Squilateral					
1 triangle					
		3.00 m			3.00 m
(ii) 600 mm Circular					
		6.00 m			6.00 m
(iii) 600 x 450 Rectangular					
		2.00 m			2.00 m
(4) Road Marking with					
not applied					
Compound with					
Reflection Glass					
- do all complete - 2ch					

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
At Bottom	2710	20	0.10	=	60.00 m ²
Edge	249	30	0.10	=	54.00 m ²
Mooring	241	10	0.10	=	2.00 m ²
				total =	116.00 m ²
(8)	Rumble strips =				
	Provision of 15 Nos				
	Rumble strips (concrete)				
	- to all complete 70				
Perimeter					
Bituminous Coat	67	67	3.75	0.15 =	20.25 m ²
Road Making	67	67	3.75	0.15 =	20.25 m ²
Paint					
(9)	Building and laying				
	of a reinforced concrete				
	concrete pipe duct				
	300 mm dia. - to all				
	Complete 20				
	1 Nos (4x350)				
Excavation	2410	RM	=	20 RM	
Pipe 300 mm dia					

Continuation

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(1)	Setting out Pillars				
(1)	Bench Mark Pillars				
	~ PM (5)				
	1.4114 m ³ @ 4417.34 km ³ R				4417.34
(2)	Reference Pillars				
	~ PM (5)				
	2.1414 m ³ @ 2042.46 km ³ R				4085.20
(3)	Cleaning and Grubbing				
	200 land - 42 all				
	— Job —				
	~ PM (5)				
	0.40614 m ³ @ 75523.24 km ³ R				30683.00
(4)	Grout of Gravel				
	with material obtained from borrow pits				
	42 all Grout 24				
	~ PM (5)				
	1534.63 m ³ @ 261.09 km ³ R				416339.20
(5)	Grout Sub-grade and Center Shoulder				
	with oppnd material				
	42 all Grout 24				
	~ PM (14)				
	145.72 m ³ @ 264.63 km ³ R				38562.00
					494086.00

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(6)	G.S.R. Grading - I				
	Grading of granular sub				
	base by providing				
	well graded material				
	to all bays				
	VPM (5)				
	230.24 m ³ @ Rs	2293.98 km ³			Rs 615346.00
(7)	HBM Grading - 3				
	P.L. spreading and				
	compacting stone				
	Aggregates in m ³				
	to all bays				
	VPM (6)				
	165.18 m ³ @ Rs	4270.43 km ³			Rs 705320.00
(8)	Gravel concrete pavement				
	CCP = Gravel of				
	400 mm thick Gravel				
	superior and Gravel				
	to all bays				
	VPM (11)				
	354.91 m ³ @ Rs	7306.63 km ³			Rs 2556984.00
(9)	Kilometers Stone				
	VPM (11)				
	2.00 M ³ @ Rs	2696.86 km ³			Rs 5394.00

Continuation

Rs 4377200.00

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(10)	200	nb	Stone		
			VP No (1)		
2.00 MS @ R	77	2.85	km MS	B	1546=0
(11)			Plf (Logo) of MMSS4		
			Boyet = Plf typical		
			MMSS4 to all		
			Grppl > 2		
2.00 MS			VP No (2)		
2.00 MS			VP No (11)		
4.00 MS @ R	11356.27		km MS	R	4543=0
(12)			Boundary Plf (Mg) Guard		
			Boyet = ACC M-15		
			grade boundary side		
			to all Grppl > 2		
			VP No (13)		
4.00 MS @ R	776.57		km MS	R	2946=0
(13)			Toolbox Sign 2 Plf		
			detour & detoured		
			Contouring, Mandukay		
			and inventory sign		
			to all Grppl > 2		
			600 mm signposting		
			VP No (14)		
3.00 MS @ R	4131.80		km MS	R	12375=0

Continuation

R 443957=0

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(14)	Good m m Gravel				
	VPM (13)				
	6.0 m	555.57	33333		
(15)	Grey 480 mm Chalk				
	VPM (12)				
	2.0 m	5409.80	10870		
(16)	Road Marking with hot applied Thermoplastic Compound to all Sample 24				
	VPM (13)				

116.00 m² @ 1005.25 km² @ 116621 = 00

(17) Rumble strips =
 Provision of rumble strips covered with
 porous bituminous
 Carpet - to all
 Sample 24
 VPM (13)
 Porous Bituminous Report
 26.25 m² @ 360.35 km² @ 52722 = 00

(18) Road Marking Paint
 VPM (13)
 20.25 m² @ 88646 km² @ 17951 = 00

Continuation

B 4623502 = 00

Continuation