

LO29 - Arguna To Borngyq (LO29)(VR8)

Schedule XLV-Form No. 134

TAIKUTA WASTNI INFKATECH PUT LTP.

R.W.D. Sheroqrah

DIVISION

Mohammar

SUB-DIVISION

1555

MEASUREMENT BOOK

Particulars	Details of actual measurement				Contents of area
	No.	I	II	III	
					2nd on A/C bill
Name of works					- Construction of Road
					Lot 29 - Arsun to Bonga
					(Lot 29) (R.S) under MMSU
Name of Agency					Tadkuta Wastre
					Infra Tech Private Limited
Agreement No.					25/M.B.D/2024-2025
Date of work start					12/11/2024
Date of completion					11/11/2025

Measurement

1. E/W 15 excavation in foundation 6-6-

$$\begin{aligned} \text{H.W} &= 8 \times 2 \times 6.450 \times 1.40 \times 1.50 = 216.72 \text{ m}^3 \\ \text{below pipe} &= 8 \times 1 \times 4.850 \times 1.53 \times 0.35 = 21.66 \text{ m}^3 \\ &= 238.38 \text{ m}^3 \end{aligned}$$

2. Providing sluff RCC M15

$$\begin{aligned} \text{H.W} &= 8 \times 2 \times 6.450 \times 1.40 \times 0.150 = 21.67 \text{ m}^3 \\ \text{below pipe} &= 8 \times 1 \times 4.951 \times 1.53 \times 0.25 = 15.08 \text{ m}^3 \\ &= 36.75 \text{ m}^3 \end{aligned}$$

3. Plain reinforced cement concrete M15-6-

$$\begin{aligned} \text{H.W} &= 8 \times 2 \times 6.15 \times 0.835 \times 3.18 = 258.15 \text{ m}^3 \\ \text{Parapet} &= 8 \times 2 \times 6.15 \times 0.40 \times 0.60 = 23.61 \text{ m}^3 \\ \text{below pipe} &= 8 \times 2 \times 0.786 \times 1.231 \times 0.622 = 11.81 \text{ m}^3 \\ &= 269.93 \text{ m}^3 \end{aligned}$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	H	
4. 8% layer R.C.C. bitk N.B. for culvert - - 6 -					
8X3X2.50 = 60 m					
5. 8% layer spreading and compacting stone aggregate N.B. for 50 m - 50					
20X30X3.75X0.075 = 168.75 m					
20X30X3.75X0.075 = 168.75 m					
20X30X3.75X0.075 = 168.75 m					
10X30X3.75X0.075 = 84.37					
1X30X3.75X0.075 = 8.43					
1X20X3.75X0.075 = 5.62					
					604.67 m
6. 8% layer spreading and compacting stone aggregate N.B. for 50 m - 50					
20X30X3.75X0.075 = 168.75 m					
20X30X3.75X0.075 = 168.75 m					
20X30X3.75X0.075 = 168.75 m					
10X30X3.75X0.075 = 84.37 m					
1X30X3.75X0.075 = 8.43 m					
1X20X3.75X0.075 = 5.62 m					
					604.67 m
7. 8% applying Primer Coat with bitumen emulsion - 20X30X3.75 = 2250.00 mt					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
20x30x	3.75				2250.00 ul
20x30x	3.75				2250.00 ul
13x30x	3.75				1462.50 ul
1x10x	3.75				37.50 ul
					8250.00 ul
8: 1/2 and applying back					
Coat with bitumen					
emulsion - 6 - 60					
20x30x	3.75				2250.00 ul
20x30x	3.75				2250.00 ul
20x30x	3.75				2250.00 ul
13x30x	3.75				1462.50 ul
1x10x	3.75				37.50 ul
					8250.00 ul
9: 1/2 & laying bitumen					
Mecodon 1/2					
20x30x	3.75x0.05				112.50 m ³
20x30x	3.75x0.05				112.50 m ³
20x30x	3.75x0.05				112.50 m ³
13x30x	3.75x0.05				73.12 m ³
1x10x	3.75x0.05				1.87 m ³
					412.49 m ³
10: 1/2 & laying semi dense					
bitumen by SPAC-1					

[illegible]

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	H	
1. Removal of all (All Styrofoam)					
1. Removal of lining of Masonry 60-04 have - 60 - 04					
Sty 1500 mm B P-13					
Item No (1) = 2200					
@ 12485 = 21000					112185 =
2. Chasing and grubbing and road work					
Sty 1500 mm B P-13					
Item No (2) = 3600					
@ 76726 = 28000					28500 =
3. Removal of all type of hume pipe - 60 -					
Sty 1500 mm B P-13					
Item No (3) = 12722					36586 =
@ 20 = 606/m					262153 =
4. Scrapping only Exposed surface - 60 - 04					
Sty 1500 mm B P-13					
Item No (4) = 12722					262153 =
@ 20 = 606/m					262153 =

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
5 Construction of subgrade of material (100m)					
Qty side 7m x 14					
= 2356.20 m ²					
@ 26/185 m ²					623239=
6 Construction of subgrade with material (100m)					
Qty side 7m x 14					
1590.80 m ²					
@ 173=512 m ²					276022=
7 Construction of granular sub-base by mixing well graded materials					
Qty side 7m x 14					
= 330.82 m ²					
@ 240/290 m ²					794622=
8 Binding layer, surface and curbs of stone aggregates					
Qty side 7m x 14					
= 1293.77 m ²					
Qty side 7m x 14					
= 604.67 m ²					
Qty side 7m x 14					
= 604.67 m ²					
= 2505.01 m ²					
@ 37/186 m ²					929045=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9. Construction of sub grade and bottom shoulder - B - D					
Qty. concrete P-15					
= 1293.75 cu					
Q 264 = 767.15 cu					242542 =
10. Forming & laying of typical masonry					
Qty. masonry P-15					
= 3.40 cu @ 106.15 = 329/cu					31846 =
11. E/W in execution in form					
Qty. concrete P-15					
= 238.38 cu					
Q 405 = 831.20 cu					96742 =
12. Paving P.C.C. M15					
Qty. masonry P-15					
= 36.75 cu					
Q 55.45 = 89.20 cu					214836 =
13. Plain masonry concrete					
Qty. concrete M15 - B					
Qty. masonry P-15					
Q 269 = 9.34 cu					
Q 6298 = 7.21 cu					1700227 =

Particulars	Details of actual measurement				Contents of area
	to	L	B	H	
14. 2 layers of concrete					
41. 1st layer of concrete					
By volume of 18					
= 60.91					
$\times 2982 = 91/13$					475976 =
15. 2 layers of concrete					
10. 1st layer of concrete					
By volume of 18					
= 8250 cu. ft.					
$\times 57 = 49/12$					424988 =
16. 2 layers of concrete					
11. 1st layer of concrete					
By volume of 18					
= 8250 cu. ft.					
$\times 19 = 71/12$					162855 =
17. 2 layers of concrete					
12. 1st layer of concrete					
By volume of 18					
= 412.49 cu. ft.					
$\times 16041 = 25/12$					4142025 =

Particulars	Details of actual measurement				Contents of area
	No.	L	B	n	
18. Pk along roadside					
13 Stationary zone =					
Q 74 mile 7 msp - 20					
= 206.74 m					
Q 12446 = 99/108 2567067					
Pj 2186 5209 =					
Add 18 x 6.55 (+) R 393 5738 =					
Add 1% labour (240) (+) R 2186 5209					
Add seigniorage (+) R 294013 =					
Rj 2631 3612 =					
Less 10% below (-) R 2631 3612 =					
Rj 2368225 =					

less for previous pay P2 8259466 = 0
 cab ~~24.5.15~~ P9 15422785 = 10
 23/5/15
 5.E
 4E 24/5/15