

Name of user - ¹⁶⁴⁷⁷¹ Tos To Multipur (2034) New - Grand

Schedule XLV-Form No. 134

* Tos To Multipur

New Machinery - 2018

19212 21/1/14

DIVISION

19212

SUB-DIVISION

Measurement Book

* Kunal Piyush Construction, 3130

Name of work - 1.
 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 measurements relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work -	construction of				
	Road from 70510 Mulhikan				
	in 14/12 (3054) in Block Bina				
Agency -	Kemar pty ltd construction				
	P.V.T. L.T.D At Bickili				
	Kampala DAR				
Agreement No -	M.B.D - 10/2022 - 23				
Date of start					03.03.2023
Date of completion					02.12.2023
Date of entry					17/4/23

(1)	clearing & grubbing Road				
	land including approach				
	wild vegetation in				
	cut complete				
	2x	20x30x	1.0 M		1260.0 M ²
	2x	20x30x	1.0 M		1260.0 M ²
	2x	20x30x	1.0 M		1260.0 M ²
	2x	10x30x	1.0 M		660.0 M ²
				Total	4280.0 M ²
				or	0.42 Hect
(2)	dimension (length) of structure				
	3x	30.0 M x 3.75	0.20		67.50 M ²
	1x	10.0 M x 3.75	0.20		7.50 M ²
				Total	75.0 M ²

Continuation

SLCC
 17/4/23
 JL

Particulars	Details of actual measurement			Contents of area
	No	L	B	
③				
maintain the existing				
between the two				
part as per				
technical specification				
	10x	3.00m	2.35m	112.5m ²
	10x	10.0m	3.35m	335.0m ²
			70m	1580.0m ²
④				
construction of 914mm				
Sub-Slab by providing				
course of 20mm				
space each em form				
layers in all complete				
AS per technical				
specification as 12.613				
per measurement				
40x0.30x				

76x	0.30x	0.30x	0.100	0.864m ³
12x	0.580x	0.40x	0.140m	0.390m ³
5x	0.30x	0.430x	0.130m	0.088m ³
12x	0.80x	0.520x	0.130m	0.624m ³
4x	0.430x	0.430x	0.130	0.105m ³
8x	0.60x	0.530x	0.120	0.317m ³
6x	0.90x	0.80x	0.140	0.605m ³
10x	1.20x	0.90x	0.140m	1.512m ³
20x	1.90m	1.10x	0.120m	5.016m ³
15x	0.80x	0.500x	0.130	0.78m ³
13x	1.030x	0.70x	0.140	1.338m ³
15x	1.90x	1.20x	0.140	4.788m ³
8x	1.30x	1.90x	0.130m	3.458m ³
8x	1.20x	1.10x	0.140	1.478m ³
10x	1.90x	0.90x	0.140	2.394m ³
6x	1.80x	1.90x	0.130	2.667m ³

Continuation

total = 26.424m³

profile correction = 6x4.0m x 1.6m x 0.24m = 7.68m³

total = 34.104m³

⑥	providing w.r.b.m. Stone metal		
	on <u>III</u> with screening		
	Material type B is used		
	complete job As per		
	Technical Specification		
251	$251 \times 0.320 \times 0.320 \times 0.075 \text{ M} = 1.928 \text{ M}^3$		
470	$470 \times 0.320 \times 0.470 \times 0.075 \text{ M} = 5.302 \text{ M}^3$		
300	$300 \times 0.470 \times 0.470 \times 0.075 \text{ M} = 4.93 \text{ M}^3$		
298	$298 \times 0.470 \times 0.470 \times 0.075 \text{ M} = 4.93 \text{ M}^3$		
50	$50 \times 1.90 \times 1.10 \times 0.075 \text{ M} = 7.83 \text{ M}^3$		
40	$40 \times 1.95 \times 1.80 \times 0.075 = 10.53 \text{ M}^3$		
19	$19 \times 2.10 \times 1.90 \times 0.075 \text{ M} = 5.68 \text{ M}^3$		
42	$42 \times 1.90 \times 2.10 \times 0.075 \text{ M} = 12.56 \text{ M}^3$		

total 53.73 MW

Scanned with CamScanner

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
	40x	0.90x	1.10x	0.075m	53.33
	18x	1.90x	2.10x	0.075m	5.38m ²
	29x	2.10m	1.90x	0.075m	8.67m ²
	38x	2.80x	1.95x	0.075m	15.56m ²
	39x	1.98x	1.80x	0.075m	10.42m ²
	35x	3.00m	2.00x	0.075m	15.35
	25x	2.5x	2.10x	0.075m	9.84m ²
	60x	1.10x	0.90x	0.075m	4.45m ²
	39x	2.5x	9.010x	0.075m	22.010m ²
	27x	6.00m	2.10x	0.075m	25.51m ²
	28x	3.90x	2.90	0.075	23.78m ²
	16x	1.9m	2.10x	0.075	4.78m ²
	17x	4.00m	2.90x	0.075m	14.79
	33x	1.75x	2.00m	0.075	8.66m ²
	36x	2.00x	1.70x	0.075	9.18m ²
	25x	2.4x	2.10x	0.075	7.45m ²
				total	244.90m ²
profile correction	3x	30.00m	3.75x	0.075m	25.31m ²
	40x	2.00m	2.10x	0.075m	12.60m ²
	34x	2.10x	1.90x	0.075m	10.12m ²
	20x	2.01m	2.00m	0.075	6.01m ²
				total	299.98m ²
(7) provision & Apply prime cost					298.98
cellis bekmen emulsion (SS)					
same quantity (8)					298.98
Add					3986.9
					3782.60m ²
					1300.0m ²
				total	5482.60m ²
(8) provision Apply rectifier					5486.40
cellis bekmen emulsion					
(RS) in cell					
Area same as (7)					5482.60m ²
					5486.40

Continuation

scanned
12/4/23
22-

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) provide & supply of concrete					
concrete work between columns					
(RS) in concrete					
20x30.0Mx3.75					2250.0m ²
20x30.0Mx3.75					2250.0m ²
20x30.0Mx3.75					2250.0m ²
5x30.0Mx3.75					562.50m ²
4x30.0Mx3.75					450.0m ²
1x15.0Mx3.75+4.0					58.12m ²
1x15x4+3.75					58.12m ²
				total	7878.75m ²
(10) provide labour & RMC					500
at closed road premises					1314.75

supply of 20mm					
thick in concrete complete					
As per Technical specifications					5486.40
Area Sample (7)					5487.60m ²
(11) provide & supply of concrete					
concrete work 10x12x7.75					
batch type lot number					
concrete work 20x30x3.75					
As per Technical specifications					
Area Sample (9)					
= 7878 x 0.025M					196.95m ²
(12) construction of dry lean					
concrete					
1x10x3.75x0.1m					3.75m ²
1x5x3.75x0.1m					1.875m ²

Continuation

Total = 5621.3

Sch. XLV Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
(13) Construction of road					
concrete cement concrete					
pavement thickness					
As per design As					
As per technical specification					
3x 38.0m x 3.75 x 0.1m					33.75m ²
1x 10.0m x 3.75 x 0.1m					3.75m ²
					total 37.50m ²
(14) Providing and laying of					
gully					4.00m ²
(15) Providing 4m stone					0.3m ²
(16) Providing 2.5m x 1.5m					0.9m ²
(17) Providing 600mm					0.4m ²
(18) 600mm circular					0.21m ²
(19) 500mm 600mm Rect					0.21m ²
(20) 600mm 600mm					0.21m ²
(21) 900mm 900mm					0.11m ²
(22) Providing collection					
signification					0.2m ²
(23) Providing Road Marking					
of HOT APPLYING therm					
plastic 300x 300					
2x 30x 30 x 0.1m					4.20m ²
(24) PCC 200mm					
2x 3x 30 x 0.1m					18.0m ²
2x 1x 10 x 0.1m					2.0m ²
					total 20.0m ²
(25) Providing 8mm 10mm					
(1) 10mm 10mm 10mm					0.1m ²
(1) 10mm 10mm 10mm					0.1m ²
(11) Continuation					0.1m ²
					total 0.3m ²

[illegible]

				10/11m
				15/4/23
(28) Retrad	of R.C. scaffolding			
(1) part	for ceiling corner	1200mm (1.4)		
Abcoul	2 x 2.0 x 0.9	17 x 1.30 m		4.366 m
	2 x 2.5 x 1.30 m			19.546 m
4x	0.675 x 1.650			4.485 m
4x	2.084 x 1.30 m			10.836 m
4x	2.20 x 0.35			3.226 m
4x	4.70 x 0.60			10.560 m
2x	4.70 x 0.40			3.520 m
4x	0.40 x 0.60			0.960 m
				43.815 m
(1) part	for 1200 scaffolding			

Absepool gmmr scale = $27.730 \times 1.38M = 19.52mL$

proportional to $4 \times 0.4 \times 0.6 \times 10^{-6} = 10^{-6} \text{ m}^2$

$$R1q' = 4 \times 2.084 \times 1.30 = 10.834 \text{ N}$$

Base 10/4/23 Scap Total: 40.89 MC

10/02/18/1
16/4/23

Soh. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF CPSE</u>					
(1) <u>clearing & scattering road</u>					
land in all					
width TMB. pr. (1) del. (1)					
quantity = 0.42 m ²					
				0.42 x 0.9 = 0.378 m ²	246.2
(2) <u>Disposal of existing structure</u>					
width TMB. pr. (1) del. (1)					
quantity = 25.07 m ² @ 290.32/m ²					2922.72
(3) <u>scraping existing & leveling</u>					
Scraping in all					
width TMB. pr. (1) del. (1)					
quantity = 1500 m ² @ 18.51/m ²					27765

(4) <u>provision of S.B. & gravel</u>					
width TMB. pr. (1) del. (1)					
quantity = 34.10 m ³ @ 1529.52/m ³					52157
(5) <u>provision of S.B. & gravel</u>					
width TMB. pr. (1) del. (1)					
quantity = 35.42 m ³ @ 3114.79/m ³					110326
(6) <u>provision of S.B. & gravel</u>					
width TMB. pr. (1) del. (1)					
quantity = 299.98 m ³ @ 2993.77/m ³					898131
(7) <u>provision of S.B. & gravel</u>					
width TMB. pr. (1) del. (1)					
quantity = 5487.60 m ² @ 55.80/m ²					306208
quantity = 5487.60 m ² @ 14.71/m ²					104519
Limit 5150.81					

Continuation

Total = 144555

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
				12466640
				14486670
⑧	providing 12ply mesh			
	cont in concrete slab			
	Uolo TH3. per 5 dia 8			
quantity =	5487.60m ²	RS 19.00/m ²		977917
⑨	providing 12ply mesh			
	cont in concrete slab			
	Uolo TH3. per 5 dia 8			
quantity =	7878.25m ²	RS 15.85/m ²		124878
⑩	providing 12ply mesh			
	cont in concrete slab			
	Uolo TH3. per 5 dia 10			
quantity =	5487.60m ²	RS 19.00/m ²		104319

4m ² = 5150.81m ²				
⑪	providing 12ply mesh			
	cont in concrete slab			
	Uolo TH3. per 5 dia 11			
quantity =	196.95m ²	11222.50/m ²		2210283
⑫	construction of panel			
	concrete in all			
	Uolo TH3. per 5 dia 12			
quantity =	5.62 m ² RS 4100.15/m ²			23042.00
⑬	construction of panel			
	concrete in all			
	Uolo TH3. per 5 dia 13			
quantity =	37.55 m ² RS 7676.81/m ²			287881
				288495

Continuation TOTAL = 5385793

5347364

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B1	385793 = 0
(14) provision boundary pillar					
width TMB. pr (6) ch (14)					
quantity = 40 NOS @ 589 = 23560					
(15) provision KM stone					
width TMB. pr (6) ch (15)					
quantity = 03 NOS @ 2530 = 7590					
(16) provision 2400 mm. metal sheet					
width TMB. pr (6) ch (16)					
quantity = 09 NOS @ 722 = 6500					
(17) provision 6000 mm Trench					
width TMB. pr (6) ch (17)					
quantity = 04 NOS @ 4077 = 16310					

(18) provision 6000 mm Trench					
width TMB. pr (6) ch (18)					
quantity = 02 NOS @ 5402 = 10805					
(19) provision 810 x 600 mm Rectangular					
width TMB. pr (6) ch (19)					
quantity = 02 NOS @ 7457 = 14914					
(20) 610 x 440 Rectangular					
width TMB. pr (6) ch (20)					
quantity = 04 NOS @ 5266 = 21064					
(21) provision 9000 mm single octagon					
width TMB. pr (6) ch (21)					
quantity = 01 NOS @ 9459 = 9459					
(22) provision direction plate board					
width TMB. pr (6) ch (22)					
quantity = 02 NOS @ 11833 = 23666					

Continuation

total 5519068 = 0

5519068 = 0

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F.P	5514068
(23)	provides Road Markings				
	Apply of Thermoplastic				
	vide THB-Part 6 cl (23)				
Quantity =	420.0 m ² @ 626.81/m ²				263260.0
(24)	provides Road Markings				
	C.C. portion in cul				
	vide THB-Part 6 cl (24)				
Quantity =	20.0 m ² @ 693.27/m ²				13905.0
(25)	provides 12.5% binder				
	MM mix 80mm 60mm &				
	Maintenance in cul				
	vide THB-Part 6 cl (25)				
Quantity =	0.3 NOS @ 1110.05 = 17/each				33016.5
(26)	provides construction of				
5	subgrade & earthen shoulder				
	vide THB-Part 6 cl (26)				
Quantity =	1249.80 m ³ @ 238.70/m ³				298327.0
(27)	provides planting of trees				
28	with one year maintenance				
	vide THB-Part 6 cl (27)				
Quantity =	207 NOS @ 952.49/each				197165.0
(28)	works with cement Mortar (1:4)				
	vide THB-Part 6 cl (28)				
Quantity =	50.815 m ² @ 190.64/m ²				11022.0
(29)	provides painting of structural				
	vide THB-Part 6 cl (29)				
Quantity =	40.89 m ² @ 110.60/m ²				4522.0

Continuation

60 10.10 6041956.0

6004137.0

72
1015/27

6107013
63111452
63111464
6004132

12

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B-1	604136
Add 1% Caspian cess			63115		600413
Add 18 1/2% cess			113606		1020745
Add signorage fee					94260
					7284177
					1228940
					477114
					6107013
					6069281
					1814123
					22

Material statement.					
(1) C&S	Stone Aggregate	=	23.87	M ³	
	C&S 1/2" aggregate	=	10.20	M ³	
(2)	Stone metal	=	404.64		
	Screen metal	=	86.86		
(3)	Stone chips	=	181.04		
	Stone chips in place	=	33.75		
	Sand	=	17.04		
(4)	Spice 7 chips	=	280.30		
E/C		=	12.79	M	1249.2
	emulsion (BS) 3	=	4.37	M ³	
	emulsion (RS) 2	=	1.416	M ³	
	Belly men	=	33.14	70 M ³	

Continuation
18/4/27

17/4/23
22