

Schedule XLV-Form No. 134

T05-SH se Khaizma

29
KAT

MR- Nov Maint Policy - 2018

DIVISION

Start - 7.10.2023

End - 6-07.2024

SUB-DIVISION

Agg NO - 36/MBD/23-24

MEASUREMENT BOOK

MoB No - 860

کھیشابہ نیشنل پری. 210.

Name of work -

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 completion of the measurements relating to each work)

Particulars	Details of actual measurement				Cylinder of size
	No.	L.	B.	D.	
(1) Name of work →	T.O.S. SH 22				
	Kharisma				
(2) Agency →	Krishnakumar Mirmiran				
	Pvt. Ltd				
(3) Agreement no →	36(MRD)/2023-24				
(4) Package no →	MRN/23-24/12/11/11				
(5) Date of work start →	07-10-2023				
(6) Date of completion →	06-07-2024				

Record entry

① clearing & grubbing road

Land.

$$2 \times 50 \times 30.00 \times 2.00 = 6000.00 \text{ m}^3$$

$$2 \times 50 \times 30.00 \times 2.00 = 6000.00 \text{ m}^3$$

$$2 \times 30 \times 30.00 \times 2.00 = 3600.00 \text{ m}^3$$

$$2 \times 1 \times 30.00 \times 2.00 = 120.00 \text{ m}^3$$

$$2 \times 1 \times 20.00 \times 2.00 = 80.00 \text{ m}^3$$

$$\text{Total: } 15800.00 \text{ m}^3$$

$$\text{or } 1.58 \text{ hect.}$$

9/2/24
12/5/24

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Content of area
	No.	L.	B.	D.	
R.C.C. Culvert 3.00m x 2.00m (2 nos.)					
(1) Earth work in excavation for structures as per — d. —					
But $2 \times 2 \times 9.10 \times 2.30 \times 1.60 =$					133.95 m ³
Wall $2 \times 4 \times 1.60 \times 2.117 \times 1.60 =$					43.356 m
Door $2 \times 1 \times 7.70 \times 1.40 \times 0.25 =$					5.39 m
					182.696 m ³
10% for slope ———					18.26 m
					Total = 200.956 m ³

(2) Sand filling in function tranche — d. —					
$2 \times 7.70 \times 2.629 \times 0.10 =$					4.04 m ³
(3) Providing P.C.C m-15 concrete in open foundation complete — d. —					
$2 \times 2 \times 9.10 \times 2.30 \times 0.200 =$					16.74 m ³
$2 \times 4 \times 1.60 \times 2.117 \times 0.20 =$					5.41 m
$2 \times 1 \times 7.70 \times 2.736 \times 0.150 =$					6.32 m
					Total 28.48 m ³
(4) Providing P.C.C m-20 concrete for open foundation complete — d. —					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
$2 \times 2 \times (7.10 + 7.50) / 2 \times (2.10 + 1.50) / 2 \times 1.40 = 83.66 \text{ m}^2$					
$2 \times 4 \times 1.60 \times (1.917 + 1.317) / 2 \times 1.40 = 28.98 \text{ m}^2$					
				Total =	112.64 m ²
(5) Plain/Reinforced cement concrete (P.C.C-m-20) in substructure and					
$2 \times 2 \times 7.50 \times (1.30 + 0.70) / 2 \times 1.80 = 54.00 \text{ m}^2$					
$2 \times 4 \times 1.90 \times (1.117 + 0.40) / 2 \times 2.15 = 24.79 \text{ m}^2$					
				Total =	78.78 m ²
(6) Reinforcement details in cab and					
8mm $2 \times 2 \times 46 \times 2.40 = 441.60 \text{ m}$					
$2 \times 4 \times 12 \times 1.10 = 105.60 \text{ m}$					
					547.20 m
@ 0.40 kg/m = 218.88 kg.					
10mm $2 \times 2 \times 14 \times 7.50 = 420.00 \text{ m}$					
$2 \times 4 \times 6 \times 2.20 = 105.60 \text{ m}$					
					525.60 m
@ 0.62 kg/m = 325.87 kg.					
Total = 218.88 kg + 325.87 kg = 544.75 kg					
(7) Plain/Reinforced cement concrete in substructure complete and					

Continuation

Sch.XLV-Form No. 134

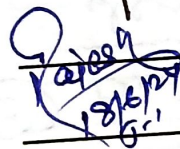
Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
$2 \times 2 \times 7.50 \times 0.70 \times 0.120 =$					$4.20 m^2$
$2 \times 2 \times 7.50 \times 0.40 \times 0.30 =$					$3.60 m$
$2 \times 4 \times 7.50 \times 0.40 \times 0.150 =$					$1.05 m$
					Total = $8.85 m^2$
⑧ Bitumen painting					
over top surface -					
$2 \times 2 \times 7.50 \times 0.700 =$					$21.00 m$
$2 \times 2 \times 7.50 \times 0.300 =$					$9.00 m$
					Total = $30.00 m$
⑨ Reinforcement details					
in R.C.C deck slab.					
16 mm dia main bar					
$\times$					
min					
$2 \times 60 \times 3.60 =$					$432.00 m$
$2 \times 60 \times 1.50 =$					$180.00 m$
					$612.00 m$
					@ $1.58 kg/m$ — $966.96 kg$
12 mm dia.					
Dist $2 \times 26 \times 7.50 =$					$390.00 m$
cur $2 \times 12 \times 1.30 =$					$31.20 m$
					$421.2 m$
					@ $0.90 kg/m$ — $379.08 kg$
Total					
$2 \times 49 \times 3.60 =$					$352.80 m$
$2 \times 24 \times 7.50 =$					$360.00 m$
					$712.8 m$

Continuation

@ $0.62 kg/m$ — $441.94 kg$ $1787.98 kg$

or

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑩ R.C.C 10-25 in Deck slab.					
					$2 \times 7.50 \times 3.56 \times 0.30 = 16.02 m^3$
⑪ Portland and Gilly binding sandy compound.					
					$2 \times 2 \times 7.50 = 30.00 m.$
⑫ Plain / Reinforced concrete in substructure.					
					$2 \times 2 \times 9.00 \times 0.40 \times 0.40 = 8.64 m^3$
⑬ Portland weepholes in abutment, R/Wall.					
					$2 \times 2 \times 12 = 48.00 nos.$
					$2 \times 4 \times 4 = 32.00 m^3$
					Total = 80.00 nos.


 Rajesh
 18/6/24
 6.

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1) Name of Work -	705	SH	de		
		Khairma - under N.M.P			
2) Agency -	Krishabh Niman	Part 1 to			
3) Agreement -	36180/	2023-24			
4) Package no -	M.R.M.	23-24	later/4		
5) Date of Work started -	27.10.23				
6) Date of Completion -					

Record Entry 20.11.24

1) PW Prime coat work 8.84
 where - do - 0%

$1 \times 30 \times 3.75 + 4.90$	$= 129.75m^2$
$5 \times 30 \times 3.75$	$= 562.50m^2$
$1 \times 30 \times 5.60 + 3.78$	$= 140.25m^2$
$17 \times 30 \times 3.78$	$= 1912.50m^2$
$1 \times 15 \times 4.90 + 3.78$	$= 64.87m^2$
$8 \times 30 \times 3.78$	$= 900.00m^2$
	$3709.87m^2$

2) PW Back coat work

R.S.1 where - do - 71%

Qty vide Plan ① - 3709.87m²

3) PW M.S.S over WBM MB

where - do - 71%

 $3 \times 3.78 + 4.90 = 129.75m^2$

Continuation

 $5 \times 30 \times 3.78 = 562.50m^2$ $17 \times 30 \times 5.60 + 3.78 = 140.25m^2$

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
			18/11	83	2.80 m ²
17x 30x		3.78	2	19	2.50 m ²
1x 15x		4.90	3.78	2	64.82 m ²
8x 30x		3.78	2	9	1.50 m ²
					3709.82 m ²
4) PV Rack Cost on B.O					
Surface etc - 10					
Cylindrical etc - ③ 1-③					
					3709.82 m ²
5) PV S.D B.C with 56x					
etc - 10					
3x 3.78x		4.90	0.02x	2	3.244 m ³
5x 30x		3.78	0.02x	2	14.062 m ³

1x 30x		5.60	3.78	0.02x	2	3.506 m ³
17x 30x		3.78	0.02x	2		47.812 m ³
1x 15x		4.90	3.78	0.02x	2	1.622 m ³
8x 30x		3.78	0.02x	2		22.50 m ³
						92.746 m ³
6) PV R.C.C Mit RM						
2 200 m stone slab						
RM stone 400						
200 m stone - 1700						
7) PV Direction of Place						
Board etc - 10						
2x 1.2x		0.80	2			1.92 m ²
8) PV R.C.C B/pillar's						
etc - 10						

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
9) PW & fixing Rtn. rafter					
Profile 29p etc. de. 11)					
i) 600 mm equilateral Triangle					164
ii) 600 mm circular					164
iii) 600 x 480 mm Rectangular					214
iv) 900 mm octagon					214
10) PW Road Marking					
with hot applied therm.					
plastic paints etc. 1)					
ce surface -					
2x 29 x 30 x 0.102					174.0m ²
B.T. Surface					
2x 32 x 30 x 0.102					192.0m ²
2x 1 x 15 x 0.10					3.0m ²
					195.0m ²
11) PW and fixing Mach. Board					
etc. de. 11)					
					214
12) PW painting on 2 Coats					
etc. de. 11)					
4x 4x 6.0 x 0.62					57.6m ²
4x 2x 6.0 x 0.42					19.2m ²
4x 4x 0.4 x 0.602					3.84m ²
2x 4x 9.0 x 0.602					43.2m ²
2x 2x 9.0 x 0.402					14.4m ²
2x 4x 0.0 continuation					1.92m ²
5x 2x 3.6 x 0.402					14.4m ²
5x 2x 0.40 x 0.602					4.8m ²
5x 4x 3.6 x 0.602					43.2m ²
Total					202.56m ²

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Continuation

Particulars	Details of actual measure			Cubix contents of area
	No.	L.	B.	
<u>Abstract of Cost</u>				
1) PW clearing and grubbing road land etc. etc. 70				
1.58 Met. Qty. work (2)				
@ Rs 255.23.34 / Met. b 11941620				
2) PW Construction of Embankment etc. etc. 10				
2720.2 m ³ Qty. work (21)				
@ Rs 259.20 / m ³ - b 71303600				
3) PW Construction of Subgrade and earthen shoulder etc. etc. 10				
2420.0 m ³ Qty. work (21)				
49.4 m ³ Qty. work (32)				
2429.4043				
Less: 2420.50 m ³ @ Rs 232.24 / m ³ - b 49097900				
4) PW Excavation for road works etc. etc. 10				
48.56 m ³ Qty. work (21)				
@ Rs 103.96 / m ³ - b 5048.00				
5) PW G.S.B. grt. etc. etc. 10				
998.33 m ³ Qty. work (21)				
@ Rs 1842.35 / m ³ - b 18392730				
6) PW WBM grt. etc. etc. 10				
104.37 m ³ Qty. work (22)				
@ Rs 3814.94 / m ³ - b 39816500				
				Total b 372902700

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					011/137290272
7) PW WRM 91/11					
					532.86 m ³ Qty n det (22)
					@ 3460.687 m ³ — 18450582
8) PW Prime coat with S.S.					
					1950.0 m ³ Qty n det (22)
					3709.87 m ² Qty n det (29)
					5659.87 m ² @ 59.91/m ² — 33908320
9) PW H.S.S with S.S. under					
					1950.0 m ³ Qty n det (22)
					3707.87 m ² Qty n det (30)
					5657.87 m ² @ 281.94/m ² — 15949542
10) PW Deck coat with R.S.					
					10018.25 m ² Qty n det (23)
					3707.87 m ² Qty n det (29)
					3707.87 m ² Qty n det (30)
					17431.99 m ²
					Levt. 17368.87 m ² @ 20.56/m ² — 3571042
11) PW S.D. BC with S.S.					
					201.70 m ³ Qty n det (23)
					92.74 m ³ Qty n det (30)
					294.44 m ³
					Levt. 291.64 m ³ @ 13655.51/m ³ — 39824932

Continuation

186/1184671922

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Particulars	Details of actual measure				Cordinates of area
	No.	L.	B.	D.	
					8112.4671920
12) PW D.L.C. and P.C.C.					
11.15 m. dia. 11.15					
12.983 m ² Qty. n.d.f. (27)					
@ 6729.29/m ² →					7406520
13) PW Construction of plank					
Conc. Concrete pavement					
12.15 m. dia. 12.15					
527.22 m ² Qty. n.d.f. (22)					
@ 8214.64/m ² →					633092320
14) PW R.C.C. 11.15 m					
2 room stairs 11.15					
4.20 RM stairs 11.15					
@ 2912.56/each →					1165020
17 No. Qty. n.d.f. P. (2)					
@ 837.11/each →					1423120
15) PW Direction & Place					
Board 11.15 m. dia. 11.15					
1.92 m ² Qty. n.d.f. (30)					
@ 1502.98/m ² →					2884220
16) PW & Tracey Retro reflection					
Traffic sign 11.15 m. dia. 11.15					
600 mm equilateral triangle					
16 No. Qty. n.d.f. (31)					
@ 4456.56/each →					7130520
17) PW 600 m circular					
16 No. Qty. n.d.f. (31)					

Continuation
 @ 4329.58/each → 6927320

Total 1646700820

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Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					B/L 16462002
18) 600mm x 750mm Rectangular					
7 no. Qty noted (31)					
@ 4185.05/sq m					29295
19) 900mm octagon					
20 no. Qty noted (31)					
@ 8684.42/sq m					1720920
20) PW R.C.C. R./pillar					
etc. etc. etc.					
104 no. Qty noted (30)					
@ 807.72/sq m					8400820
21) PW Planting of Trees					

by side of Road etc.					
etc. etc. etc.					
154 no. Qty noted (32)					
@ 1288.76/sq m					5928320
22) PW Road Marking work					
Thermoplastic paints etc.					
R.T. Surface					
428.80 m ² Qty noted (33)					
195.0 m ² Qty noted (31)					
623.80 m ²					
Levt. 616.0 m ² @ 886.46/m ²					5460592
23) P.C. Surface					
174.0 m ² Qty noted (31)					
@ 794.65/m ²					17356020

Continuation

Total 173760220

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Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					8711 17376022
24) PW E/W Excavation for structure etc. - do. 1/4					
					279.256 m ³ Qty noted (24)
					@ 328.62 m ³ - 111317
25) PW P.C.C. 115 in leveling course etc. - do. 1/4					
					151.32 m ³ Qty noted (24)
					@ 6222.09 m ³ - 10182802
26) PW and laying R.C.C. NP-3 H. pipe etc. - do. 1/4					
					37.50 m ³ Qty noted (24)
					@ 3201.60 m ³ - 12017322
27) PW Plastering with emf (1:4) etc. - do. 1/4					
					80.64 m ³ Qty noted (25)
					@ 201.76 m ³ - 1627020
28) PW B/W in emf (1:3) etc. - do. 1/4					
					11.52 m ³ Qty noted (25)
					@ 6354.05 m ³ - 2319920
29) Painting two coat on New surface etc. - do. 1/4					
					202.08 m ³ Qty noted (31)
					@ 136.22 m ³ - 275932
					Total 177245742

Continuation 187428542

CV

Sch. XLV - Form No. 154				Contents of area
Particulars	Details of actual measure			
	No.	L	B.	D.
31) PW Sand filling w/ 10" water - do. 10				18242839 17224579
4.84 m ³ Qty used - (28)				
@ 575.28/m ³ →				23240
32) PW P.C.C. 120 x 80 structure - do. 10				
156.98 m ³ Qty used - (28)				
@ 9762.01/m ³ →				12184802
33) PW Bitumen painting - do. 10				
30.00 m ² Qty used - (28)				
@ 20.56/m ² →				6170
34) PW R.C.C. 120 x 80 slab - do. 10				
16.02 m ³ Qty used - (28)				
@ 8412.52/m ³ →				134769
35) S/F/F w/ HY SD bars				
2.32 MT Qty used - (28)				
@ 82010.39/MT →				19026420
36) PW 2" filling joints Sealing Compound - do. 10				
30.00 m ² Qty used - (28)				
@ 55.61/m ² →				166870
37) PW 120 x 80 x 100 holes w/ 10" R/Wall - do. 10				
80 x 100 Qty used - (28)				
@ 191.77/each →				1534220
				20365318
				19288038
				C/L

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					8/11/24 203 063182
30) PW and spray 2 forms					
200 Board with logs					
2 Mast - Board					
3000 Qty used (20)					
2000 Qty used (30)					
5000 @ 11617.19/ea					580862
					Total 203 644842
Add L.C @ 10%					203 6442
Add 980 @ 18%					3665593=
Add S.R					3061002
					Total 245 397412

Deduct @ 10% — 24539742

Total 220 857622

Deduct MP with (28) 18392622

Total 369314520

20/11/24
20/11/24
20/11/24

20/11/24
20/11/24
20/11/24

20/11/24
20/11/24
20/11/24

Continuation