

જાહેરાત કે ગુજરાત (New MR-3054)

Schedule XLV-Form No. 134

અમીલકામ વિભાગ અમીલકામ વિભાગ
DIVISION

અમીલકામ વિભાગ અમીલકામ વિભાગ
SUB-DIVISION

MEASUREMENT BOOK

1102354

સંવત્સર :- સુભાગ સુભાગ

Date of measurement
No. and date of agreement

(These four lines should be repeated at the commencement
of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/Work:- Maintenance & Repair of Road & CD works MR-N/2019-20 Pupri/10 for Bahurra to Aahgo in Naupur under New maintenance policy-2018					
N/Agency:- Rajnesh Kumar, at Bahilo Jaitpur Saraiya Muzaffarpur					

Agreement no:- 43MBD/2020-21

Date of Commence:- 10-12-20

Date of Completion:- 09-12-2021

Actual date of Completion:-

Work Done

(1/1) clearing & grubbing
Road Land including
uprooting wild vegetation
etc.

2 x 59 x 30m x 1m = 3540 m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		2 x 20m x 1m			= 40m ²
					= 3580m ²
		3580/10000		HA	
					= 0.36149
					QA = 0.36149
		4.02	71	AB	

(2/2) Constn. of subgrade

2 earthen shoulder
with approved material
etc

$$2 \times 4 \times 30m \times 0.68 \times 0.3 = 48.96m^3$$

$$2 \times 6 \times 30m \times 0.68 \times 0.3 = 64.8m^3$$

$$2 \times 6 \times 30m \times 0.68 \times 0.3 = 73.44m^3$$

$$2 \times 4 \times 30m \times 0.45 \times 0.3 = 32.4m^3$$

$$2 \times 6 \times 30m \times 0.68 \times 0.3 = 73.44m^3$$

$$2 \times 8 \times 30m \times 0.68 \times 0.3 = 97.92m^3$$

$$2 \times 2 \times 30m \times 0.65 \times 0.3 = 23.4m^3$$

$$2 \times 5 \times 30m \times 0.5 \times 0.3 = 45m^3$$

$$2 \times 8 \times 30m \times 0.68 \times 0.3 = 97.92m^3$$

$$2 \times 8 \times 30m \times 0.68 \times 0.3 = 97.92m^3$$

$$2 \times 2 \times 30m \times 0.3 \times 0.3 = 10.8m^3$$

$$2 \times 15m \times 0.45 \times 0.3m = 4.05m^3$$

$$QA = 677.85m^3$$

(3/3) Constn. of irregular sub-

base by providing well
graded material
etc

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$2.71m \times 1.74m \times 0.175 = 0.82m^3$
					$10.4m \times 2.22m \times 0.175 = 4.03m^3$
					$4.19m \times 2.19m \times 0.175 = 1.6m^3$
					$3.01m \times 1.42m \times 0.175 = 0.75m^3$
					$5.42m \times 1.65m \times 0.175 = 1.56m^3$
					$4.19m \times 1.58m \times 0.175 = 1.16m^3$
					$2.98m \times 1.74m \times 0.175 = 0.89m^3$
					$4.3m \times 2.54m \times 0.175 = 1.9m^3$
					$3.01m \times 2.54m \times 0.175 = 1.33m^3$
					$1.68m \times 1.74m \times 0.175 = 0.51m^3$
					$5.48m \times 2.54m \times 0.175 = 2.43m^3$
					$1.47m \times 1.1m \times 0.175 = 0.28m^3$
					$6.6m \times 2.54m \times 0.175 = 2.93m^3$
					$4.24m \times 2.54m \times 0.175 = 1.88m^3$
					$3.57m \times 1.42m \times 0.175 = 0.88m^3$
					$3.01m \times 2.22m \times 0.175 = 1.16m^3$
					$14.9m \times 2.15m \times 0.175 = 5.59m^3$
					$4.56m \times 2.22m \times 0.175 = 1.76m^3$
					$3.01m \times 1.58m \times 0.175 = 0.83m^3$
					$5.79m \times 2.26m \times 0.175 = 2.28m^3$
					$7.48m \times 1.74m \times 0.175 = 2.27m^3$
					$2.25m \times 2.34m \times 0.175 = 0.92m^3$
					$7.16m \times 2.06m \times 0.175 = 2.57m^3$
					$10.12m \times 1.58m \times 0.175 = 2.78m^3$
					$10.42m \times 2.37m \times 0.175 = 4.31m^3$
					$10.73 \times 2.06m \times 0.175 = 3.86m^3$
					$\text{Qty} = 51.34m^3$

Pravin
12-02-21
JE

Continuation

12-2-21
AR.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/4) P.V., Laying, Spreading					
2 Compacting of WBM-II					
etc.					
					$2.71m \times 1.74m \times 0.075m = 0.35m^3$
					$10.4m \times 2.22m \times 0.075 = 1.73m^3$
					$4.19m \times 2.19m \times 0.075 = 0.69m^3$
					$3.01m \times 1.42m \times 0.075 = 0.32m^3$
					$5.42m \times 1.65m \times 0.075 = 0.67m^3$
					$4.19m \times 1.58m \times 0.075 = 0.5m^3$
					$2.96m \times 1.74m \times 0.075 = 0.39m^3$
					$4.3m \times 2.54m \times 0.075 = 0.82m^3$
					$3.01m \times 2.54m \times 0.075 = 0.57m^3$
					$1.68m \times 1.74m \times 0.075 = 0.22m^3$
					$5.48m \times 2.54m \times 0.075 = 1.04m^3$
					$1.47m \times 1.1m \times 0.075 = 0.12m^3$
					$6.6m \times 2.54m \times 0.075 = 1.26m^3$
					$4.24m \times 2.54m \times 0.075 = 0.8m^3$
					$3.57m \times 1.42m \times 0.075 = 0.38m^3$
					$3.01m \times 2.22m \times 0.075 = 0.5m^3$
					$14.9m \times 2.15m \times 0.075 = 2.4m^3$
					$4.56m \times 2.22m \times 0.075 = 0.76m^3$
					$3.01m \times 1.58m \times 0.075 = 0.36m^3$
					$5.79m \times 2.26m \times 0.075 = 0.98m^3$
					$7.48m \times 1.74m \times 0.075 = 0.98m^3$
					$2.25m \times 2.34m \times 0.075 = 0.39m^3$
					$7.16m \times 2.06m \times 0.075 = 1.1m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		10.12m	1.58m	0.075	1.19 m ³
		10.42m	2.37m	0.075	1.85 m ³
		10.73m	2.06m	0.075	1.66 m ³
		11.18m	2.28m	0.075	1.91 m ³
		14.32m	1.7m	0.075	1.83 m ³
		17.64m	2.86m	0.075	3.14 m ³
		14.98m	2.28m	0.075	2.56 m ³
		13.5m	2.48m	0.075	2.51 m ³
		13.33m	1.9m	0.075	1.9 m ³
		16.02m	2.28m	0.075	2.74 m ³
		16.31m	2.28m	0.075	2.79 m ³
		16.31m	1.9m	0.075	2.32 m ³
		17.15m	2.28m	0.075	2.93 m ³
		13.77m	1.7m	0.075	1.75 m ³
		12.64m	2.86m	0.075	2.71 m ³
		8.14m	2.28m	0.075	1.39 m ³
		4.75m	2.48m	0.075	0.88 m ³
		20.36m	1.88m	0.075	2.87 m ³
		30.33m	2.45m	0.075	5.58 m ³
		2.2m	1.2m	0.075	0.19 m ³
		26.2m	2.4m	0.075	62.03 m ³
(S/S) P/V, laying, spreading 2 compacting of WBM-III etc.					
		2.71m	1.74m	0.075	0.95 m ³

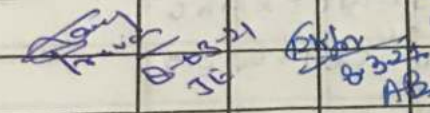
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$10.4m \times 2.22m \times 0.075 = 1.73m^3$
					$4.13m \times 2.13m \times 0.075 = 0.63m^3$
					$3.01m \times 1.412m \times 0.075 = 0.32m^3$
					$5.42m \times 1.65m \times 0.075 = 0.67m^3$
					$4.19m \times 1.58m \times 0.075 = 0.5m^3$
					$2.96m \times 1.74m \times 0.075 = 0.33m^3$
					$4.3m \times 2.54m \times 0.075 = 0.82m^3$
					$3.01m \times 2.54m \times 0.075 = 0.57m^3$
					$1.68m \times 1.74m \times 0.075 = 0.22m^3$
					$5.48m \times 2.54m \times 0.075 = 1.04m^3$
					$1.47m \times 1.1m \times 0.075 = 0.12m^3$
					$6.6m \times 2.54m \times 0.075 = 1.26m^3$
					$4.24m \times 2.54m \times 0.075 = 0.8m^3$
					$3.57m \times 1.42m \times 0.075 = 0.38m^3$
					$3.01m \times 2.22m \times 0.075 = 0.54m^3$
					$14.9m \times 2.15m \times 0.075 = 2.4m^3$
					$4.56m \times 2.22m \times 0.075 = 0.96m^3$
					$3.01m \times 1.58m \times 0.075 = 0.36m^3$
					$5.79m \times 2.26m \times 0.075 = 0.98m^3$
					$7.48m \times 1.74m \times 0.075 = 0.98m^3$
					$2.25m \times 2.34m \times 0.075 = 0.39m^3$
					$7.16m \times 2.06m \times 0.075 = 1.1m^3$
					$10.12m \times 1.58m \times 0.075 = 1.13m^3$
					$10.42m \times 2.37m \times 0.075 = 1.85m^3$
					$10.73m \times 2.06m \times 0.075 = 1.66m^3$
					$11.18m \times 2.28m \times 0.075 = 1.91m^3$
					$14.32m \times 1.7m \times 0.075 = 1.83m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$14.61m \times 2.06m \times 0.075 = 3.14m^3$
					$14.98m \times 2.28m \times 0.075 = 2.56m^3$
					$13.5m \times 2.48m \times 0.075 = 2.51m^3$
					$13.33m \times 1.9m \times 0.075 = 1.9m^3$
					$16.62m \times 2.28m \times 0.075 = 2.74m^3$
					$16.31m \times 2.28m \times 0.075 = 2.79m^3$
					$16.31m \times 1.9m \times 0.075 = 2.32m^3$
					$4.75m \times 2.32m \times 0.075 = 0.83m^3$
					$17.15m \times 2.28m \times 0.075 = 2.93m^3$
					$13.77m \times 1.7m \times 0.075 = 1.76m^3$
					$12.64m \times 2.06m \times 0.075 = 2.71m^3$
					$8.14m \times 2.28m \times 0.075 = 1.39m^3$
					$4.75m \times 2.48m \times 0.075 = 0.88m^3$
					$20.36m \times 1.88m \times 0.075 = 2.87m^3$
					$30.33m \times 2.45m \times 0.075 = 5.58m^3$
					$2.2m \times 1.2m \times 0.075 = 0.19m^3$
					$11.24m \times 2.28m \times 0.075 = 1.92m^3$
					$8.74m \times 1.79m \times 0.075 = 1.17m^3$
					$24m \times 2.28m \times 0.075 = 4.09m^3$
					$10.7m \times 2.4m \times 0.075 = 1.92m^3$
					$9.65m \times 1.46m \times 0.075 = 0.98m^3$
					$11.49m \times 1.69m \times 0.075 = 1.45m^3$
					$10.24m \times 1.62m \times 0.075 = 1.24m^3$
					$8.99m \times 1.79m \times 0.075 = 1.2m^3$
					$10.36m \times 2.22m \times 0.075 = 1.72m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$3.05m \times 2.14m \times 0.075 = 1.45m^3$
					$7.63m \times 1.73m \times 0.075 = 1.02m^3$
					$11.55m \times 2.6m \times 0.075 = 2.24m^3$
					$7.5m \times 1.14m \times 0.075 = 0.64m^3$
					$32.84m \times 2.6m \times 0.075 = 6.39m^3$
					$Q_{H1} = 89.46m^3$
  					
(6/6) Prime Coat :- P/v & applying					
Primer Coat with Bitumen					
emulsion (SS-1) on prepared					
Surface of granular base					
etc.					

Same Area over item					
no - 5/5					
$89.46m^3 / 0.075 = 1192.8m^2$					
$Q_{H1} = 1192.8m^2$					
(7/7) Tack Coat :- P/v & applying					
tack Coat with bitumen					
emulsion (RS-1) etc.					
Same Area over item					
no - 6/6 -					
$Q_{H1} = 1192.8m^2$					
(8/8) P/v, laying, rolling					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
of close graded premix					
surfacing material of					
20mm thickness etc.					
Same Area over					
Item no. 7/8					
					$QTY = 1192.0m^2$
(9/9) Tack coat:- P/v & applying					
tack coat with Bitumen					
emulsion (RS-1) using					
etc.					
					$5 \times 30m \times 3.75m = 562.5m^2$
					$6 \times 30m \times 3.75m = 675m^2$
					$5 \times 30m \times 3.75m = 562.5m^2$
					$4 \times 30m \times 3.75m = 450m^2$
					$6 \times 30m \times 3.75m = 675m^2$
					$4 \times 30m \times 3.75m = 450m^2$
					$8 \times 30m \times 3.75m = 900m^2$
					$2 \times 30m \times 3.75m = 225m^2$
					$5 \times 30m \times 3.75m = 562.5m^2$
					$6 \times 30m \times 3.75m = 675m^2$
12x10					$4 \times 30m \times 3.75m = 450m^2$
9.52					$4 \times 30m \times 3.75m = 450m^2$
AB					$20m \times 3.75m = 75m^2$
					$QTY = 6712.5m^2$
(10/10) SDBC:- P/v & laying					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Semi dense bituminous					
Concrete with 100-120					
TPH etc.					
	5	30m	3.75m	0.025	$= 14.06m^3$
	6	30m	3.75m	0.025	$= 16.87m^3$
	5	30m	3.75m	0.025	$= 14.06m^3$
	4	30m	3.75m	0.025	$= 11.25m^3$
	6	30m	3.75	$0.025m^2$	$= 16.87m^3$
	4	30m	3.75m	$0.025m^2$	$= 11.25m^3$
	8	30m	3.75m	0.025	$= 22.5m^3$
	2	30m	3.75m	$0.025m^2$	$= 5.62m^3$
	5	30m	3.75m	$0.025m^2$	$= 14.06m^3$

	6	30m	3.75m	$0.025m^2$	$= 16.87m^3$
	4	30m	3.75m	$0.025m^2$	$= 11.25m^3$
	4	30m	3.75	$0.025m^2$	$= 11.25m^3$
		20m	3.75m	$0.025m^2$	$= 1.87m^3$
					$QTY = 167.78m^3$

15-05-21
JE

15-05-21
AB

(11/11/12) Km Stone:- Reinforced

Cement Concrete M-15

grade Km Local Stone

etc.

(i) Km Stone:-

QTY = 3 No.

(ii) 200m Stone:-

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Qty = 7 No.
(12/13) Retro - reflectorized traffic sign p/v 2					
erecting direction 2					
Place identification					
etc					
					$2 \times 1.2 \times 0.8 = 1.92 \text{ m}^2$
					Qty = 1.92 m ²
(13/14/15/16) P/v 2 Fixing of retro - reflectorized					
Cautionary, Mandatory					
2 Informatory sign etc					
(i) 600 mm equilateral					
2 triangle etc.					
					Qty = 10 No.
(ii) 600 mm circular :-					
					Qty = 4 No.
(iii) 600 mm x 450 mm					
rectangular :-					
					Qty = 6 No.
(14/17) Boundary Pillar :-					
Reinforced cement					
Concrete M-15 grade					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
boundary pillar					
(15/18) Planting of tree					
by the road side					
etc.					
(16/19) P/v & laying of					
hot applied thermoplastic					
Compound 2.5mm thick					
etc.					

$$2 \times 59 \times 30m \times 0.1m = 354m^2$$

$$2 \times 20m \times 0.1m = 4m^2$$

$$Qty = 358m^2$$

(17/20) P/v & Fixing of
typical MR Informatory
Sign board with
logo etc.

$$Qty = 2No.$$

3rd No. Parapet wall

$$CH - 1503m$$

(18/21) Brick masonry

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
work in cement mortar 1:3 in parapet etc.					
					$2 \times 6m \times 0.4m \times 0.6m = 2.88m^3$
					$Q_{M} = 2.88m^3$
					$\downarrow$ A1
(13/22) plastering with cement mortar (1:4) on brick work etc.					
Face -		$4 \times 6m$	$0.6m$		$= 14.4m^2$
Top -		$2 \times 6m$	$0.4m$		$= 4.8m^2$
4/Face -		$4 \times 0.4m$	$0.6m$		$= 0.96m^2$
					$Q_{M} = 20.16m^2$
					$\downarrow$ A1

(20/23) plastering two coat including primer coat etc.

Same Area over Item

no. 13/22

$$Q_{M} = 20.16m^2$$

$\downarrow$

C1

2nd No. Parapet wall

CH - 1655 m

(21/21) Brick masonry work in cement mortar etc.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$2 \times 6m \times 0.4 \times 0.6m = 2.88m^3$
					$Q_{H1} = 2.88m^3$
					A_2
(22/22) plastering with cement					
mortar (1:4) on brick					
work etc.					
S/face	4	6m	0.6m		$= 14.4m^2$
Top	2	6m	0.4m		$= 4.8m^2$
F/face	4	0.4	0.6m		$= 0.96m^2$
					$Q_{H1} = 20.16m^2$
					$\downarrow$
					B_2
(23/23) painting two coat					

including primer

Coat etc.

Same Area over Item

no - 22/22

$Q_{H1} = 20.16m^2$

 $\downarrow$ C_2 ~~Praveen~~15-05-21
SE~~Praveen~~15-5-21
AB

Sch. XLV-For No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
1/1) Clearing & grubbing					
Road Land etc.					
Qty vide TMB P-1/2					
Qty = 0.36 Ha					
@ ₹ 51133 = 76/Ha — — ₹ 18306200					

(2/2) Constn. of subgrade &
earthen shoulder etc.

Qty vide TMB P-2

Qty = 677.85 m²

@ ₹ 175 = 22/m² — ₹ 118773 = 0

(3/3) Constn. of granular

Sub base by providing
well graded material
etc.

Qty vide TMB P-7/3

Qty = 51.34 m²

@ ₹ 1973 = 69/m² — ₹ 101334 = 00

(4/4) P/v, laying, spreading

& compacting of WBM-II

Qty vide TMB P-4/5

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
of close graded Premix Surfacing material etc.					
Qty vide TMB P-8/9					
					Qty = 1192.8 m ³
@ ₹ 204 = 54/m ³					₹ 243975 = 200
(9/9) Tack coat:- P/v 2 applying tack coat with bitumen emulsion (AB-1) etc.					
Qty vide TMB P-9					
					Qty = 6712.5 m ²
@ ₹ 12 = 01/m ²					₹ 80617 m ²
(10/10) SDBC:- P/v 2 layers Semi dense bituminous Concrete with 100-120 TPH etc.					
Qty vide TMB P-9/10					
					Qty = 167.78 m ³
@ ₹ 10503 = 56/m ³					₹ 1762207 =
(11/11) Km Stone:- Reinforced cement concrete 11-15					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
grade 1 km Local					
Stone etc					
(12) 1 km stone					
QTY vide TMB P-10					
QTY = 3					
@ ₹ 2381 = 83/No. — ₹ 714500					
(11) 200 m Stone:-					
QTY vide TMB P-10/11					
QTY = 7 No.					
@ ₹ 638 = 93/No. — ₹ 447300					
(12/13) Retro-reflectorised					
traffic sign p/v 2					
erecting direction 2					
Place multiplication					
etc.					
QTY vide TMB P-11					
QTY = 1.92 m ²					
@ ₹ 12307 = 01/m ² — ₹ 2362900					
(13/14/15/16) p/v 2 Fixing of					
retro reflectorised					
cautionary, mandatory					
2 informative sign					
etc.					
(1) 600 mm equilateral					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 triangle					
Qty vide TMB P-4					
Qty = 16 No.					
@ ₹ 3704 = 01/No. — ₹ 37040 = 00					
(ii) 600 mm circular					
Qty vide TMB P-11					
Qty = 4 No.					
@ ₹ 3800 = 55/No. — ₹ 15202200					
(iii) 600 m x 450 m rectangular					
Qty vide TMB P-11					
Qty = 6 No.					
@ ₹ 3671 = 43/No. — ₹ 22028 =					
(14/17) Boundary Pillar:-					
Reinforced cement					
Concrete M-15 grade					
boundary pillar etc					
Qty vide TMB P-11/12					
Qty = 24 No.					
@ ₹ 510 = 11/No. — ₹ 12242200					
(15/18) Planting of tree by					
the Road side etc.					
Qty vide TMB P-12					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Qty = 86 No.				
@ ₹ 815 = 92/No.					₹ 7051320
(16/19) P/o & laying of hot applied thermoplastic compound 2.5 mm thick etc.					
Qty vide TMB P-12					
Qty = 358 m ²					
@ ₹ 735 = 44/m ²					₹ 2632880
(17/20) P/o & fixing of					

typical mtr intermatory					
Sign board with logo etc					
Qty vide TMB P-12					
Qty = 2 No.					
@ ₹ 9530 = 50/No.					₹ 1906100

(18/21) Brick Masonry work in cement mortar etc.

Qty vide TMB P-					
2.00 m ³	Qty vide TMB P-13	marked A1			
2.00 m ³	Qty vide TMB P-14	marked A2			
5.76 m ³	@ ₹ 5141 = 91/m ³				₹ 2961700

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19/22) Plaster with cement mortar on brick work etc.					
20.16 m ² QH vide TMB P-13 marked B1					
20.16 m ² QH vide TMB P-14 marked B2					
40.32 m ² @ ₹ 180 = 35/m ² — ₹ 7272.00					
(20/23) Painting two coat including primer coat after filling the surface etc.					
20.16 m ² QH vide TMB P-13 marked C1					
20.16 m ² QH vide TMB P-14 marked C2					
40.32 m ² @ ₹ 89 = 43/m ² — ₹ 3608.00					
Total = 34159.52 = 00					
Add 1% Labour cess = ₹ 341.60 = 00					
Add 12% GST = ₹ 4099.14 = 00					
Add Storage fee = ₹ 2192.40 = 00					
Total = 38819.50 = 00					
Less 11% below as per agreement = ₹ 4270.15 = 00					
Net = 34549.35 = 00					
<i>[Signature]</i> 15.05.21 JE					
<i>[Signature]</i> 15.5.21 AB					
<i>[Signature]</i> 15.5.21					