

M.B.No.-3198

M.M.6SY-SC

जनपद का जनपद खास तहसील
Schedule XLV-Form No. 134

M.B.No. 47588D/2019-20

DIVISION

सहायक जिला अधिकारी
श्री श्रीकांत श्री शिरो

SUB-DIVISION

अहमदाबाद

Measurement Book

M.B.No.-3198

28500

3rd on RA/C bill

11

Sch. XLV-Form No. 134

[illegible]

1. setting out pillars

Providing a fixing of working

bench marks - - o/o

(i) working bench mark/pillar = 3 No.

(ii) Reference pillars = 10 No.

2. clearing and grubbing

Road Land	-	-	do
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as per technical specifications

$$2 \times 1075 \times 3.50 = 7525 \text{ m}^2$$

$$= \frac{7525}{10000} = 0.7525 \text{ Ha}$$

$$= 0.75 \text{ Ha}$$

Continuation

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Box cutting					
Excavation for roadway in					
soil - - do - -					
as per technical specification					
Rigid Road 2X	500	0.375	0.10		$37.50m^3$
2X	110	0.375	0.10		$8.25m^3$
				Total	$45.75m^3$
(4) const. of Embankment					
with material obtained					
from borrow pits - -					
do - -					
as per technical specification					

(i) For 1000 m lead.					
2X 20X 30X	0.9	0.4			$432m^3$
					$= 432m^3$
Limit to					$396.18m^3$
(ii) For 100 m lead					
2X 20X 30X	0.9	0.6			$648m^3$
2X 30X 30X	0.8	0.7			$1008m^3$
				Total	$1656m^3$
				Limit to	$1530.73m^3$

(5) const. of subgrade and					
earthen shoulders - -					
do - - as per technical					
specification - -					$1288m^3$
side of USB	2X 92X 25X 1.40X 0.2				$1288m^3$
side of WBM	2X 92X 25X 1.2X 0.075				$324m^3$
				Total	$1332m^3$

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
⑤ const. of subgrade and earthen shoulder - - -				
- - do - as per				
technical specification				
on flexible road				
side of WSB	2	72	25	$1.4 \times 0.2 = 1008 \text{ m}^3$
side of WBM	2	72	25	$1.2 \times 0.075 = 324 \text{ m}^3$
on Rigid road				
side of WSB	2	20	25	$0.625 \times 0.10 = 62.5 \text{ m}^3$
side of WBM	2	20	25	$0.625 \times 0.075 = 46.875$
				Total 1441.375 m ³

⑥ WBM gr-III				
Providing, laying, spreading and compacting stone aggregates - - - do - -				
as per technical specification				
4	30	3.75	0.075	$= 33.75 \text{ m}^3$
34	25	3.75	0.075	$= 239.062$
20	25	3.75	0.075	$= 140.625$
				Total 379.687 m ³
				413.437 m ³

⑦ Providing and fixing of typical masonry informatory sign board with logo - - - do - -				
as per technical specification				
Logo identification sign board				$= 2 \text{ No.}$
Continuation citizen information board				$= 1 \text{ No.}$
				Total = 3 No.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
H.P culvert					
(8) Earthwork in excavation					
for foundation-- do --					
as per technical specification					
H.W	2X	6.450	X 1.400	X 1.50	= 27.090 ³
Below pipe	1X	4.850	X 1.530	X 0.365	= 2.708 ³
				Total	= 29.798 ³
					29.798 ³
for S No. of H.P culvert					
	5X				29.798 = 148.99 ³

(9) Providing m-15 PCC as					
levelling course in foundation					
-- do --					
H.W	2X	6.450	X 1.40	X 0.150	= 2.709 ³
Below pipe	1X	4.931	X 1.53	X 0.250	= 1.886 ³
Less for pipe	0.25	X 0.7857	X (1.230) ²	X 5.476	= 1.633
				Total	2.962 ³
For S No. of H.P culvert					
	5X				2.962 = 14.81 ³

(10) Limit to 14.80³

(10) Brick masonry work					
in cm (1:4) in head wall--					
-- do -- as per tech. speci.					

H.W	2X	6.150	X 0.825	X 2.580	= 26.181 ³
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Parapet	2X	6.150	X 0.400	X 1.200	= 5.904 ³
Less for pipe	2X	0.7857	X (1.230) ²	X 0.622	= 1.478 ³
				Total	= 30.607 ³

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For 5 No. of H.P. culvert					
	5	30.607		=	153.035
					m ³
				say	153.04
					m ³
(11) Providing and laying RCC					
pipe NP-3 for culverts					
- - - do					
as per technical specification					
	3	2.50		=	7.5m
for 5 No. of culvert					
	5	7.5m		=	37.50m

(12) Pastering with cement					
mortar (1:4) on brick					
work in sub-structure					
- - - do - as per tech.					
specification					
outer side	2	6.150	3.780	=	46.494m ²
inner side	2	6.150	0.600	=	7.380m ²
Top	2	6.150	0.40	=	4.920m ²
Ends	4	0.825	2.580	=	8.514m ²
Ends (parapet)					
	4	0.40	1.20	=	1.92m ²
Less	2	0.7857	(1.230) ²	=	2.377m ²
			Total		66.851m ²
For 5 No. of H.P. culvert					

Continuation
 $5 \times 66.851m^2 = 334.255m^2$
 Limit to 334.25m²

P.T.O

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of cost					
(1) setting out pillars					
Providing and fixing of working benchmark - do - -					
Qnt. vide TMB page - (11)					
item - (1)					
(i) working bench mark = 3 NO.					
@ Rs 3880.19/NO. =					Rs 11641.00
(ii) Reference pillars = 10 NO.					
@ Rs 1786.84/NO. =					Rs 17868.00

(2) clearing and grubbing					
Road Land - - do - -					
Qnt. vide TMB Page - (1)					
item - (1) = 1.05 Ha (+)					
Page - (11) item - (1) = 0.75 Ha					
= 1.05 + 0.75 = 1.80 Ha					
@ Rs 49174.86/Ha =					Rs 88515.00

(3) Box cutting					
Excavation for roadway					
Qnt. vide TMB page - (1)					
item - (2) = 127.05 m ³ (+)					

Page - (12) Continuation
 item - (3) = 37.50 m³ 45.75 m³
 = 127.05 + 37.50 = 164.55 m³ 172.80 m³
 @ Rs 75.43/m³ = Rs 12412.00
 Rs 13034.00

P.T.O. Rs 131058 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) const. of embankment with material obtained from borrow pits - do -					
amt. vide TMB Page (12)					
item - (4)					
(i) For 1000 m lead					
amt. = 396.18 m^3 @ Rs 179.38=					
				Rs	71066.7
				pay	71067=
(ii) For 100 m lead					
amt. = 1530.73 m^3 @ Rs 150.70					
				= Rs	230681=
(5) const. of sub-grade and earthen shoulder - do -					
amt. vide TMB Page - (2)					
item - (3) = 1709.40 m^3 (+)					
Page - (13) item - (5) = 1441.375 m^3					
= $1709.40 + 1441.375$					
= 3150.775 m^3 @ Rs 222.54					
				= Rs	701173=
(6) WBM gr. (11)					
Providing, laying, spreading and compacting same					
- - - do - - -					

Continuation

Total C/o Rs 1133979=

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qnt. vide TMB Page - (7)					
item - (2) = 267.187 m ³					
(+) Page - (13) item - (6) = 413.437 m ³					
= 267.187 + 413.437					
= 680.624 m ³ @ Rs 4318.16/m ³					
				= Rs	2939043=
(7) Providing and fixing of typical masonry information sign board - do -					
Qnt. vide TMB Page - (13)					
item - (7) = 3 No.					
@ Rs 9998.21/No. = Rs					29995=
(8) Earthwork in excavation for foundation - do -					
Qnt. vide TMB Page - (14)					
item - (8) = 148.99 m ³					
@ Rs 258.89/m ³ = Rs					38572=
(9) Providing m-15 PCC concrete in open foundation - do -					
Qnt. vide TMB Page - (14)					
item - (9) = 144.80 m ³					
@ Rs 5694.11 = Rs					84273=

Continuation

Total C/O Rs 4225862=

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) Brick masonry work in cm 1:4 in head/wall					
- - - do - - -					
qnt. vide TMB page - (14)					
item - (10) =					153.04 m ³
@ Rs					5721.69/m ³ = Rs 875647=
(11) Providing and laying RCC pipe NP-3 - - do - -					
qnt. vide TMB page - (15)					
item - (11) =					37.50 m

@ Rs 40412.91/m = Rs 151609=

(12) Plastering with cement mortar 1:4 on brick work - - do - -					
qnt. vide TMB page - (15)					
item - (12) =					334.25 m ²
@ Rs					164.32/m ² = Rs 54924=

(13) Providing 1.5mm cement putting - - do - -					
qnt. vide TMB page - (16)					
item - (13) =					71.10 m ²
@ Rs					48.52/m ² = Rs 3450=

Continuation

Total c/o Rs 5311492=

P.T.O

Continuation