

Chattri Por to Mall Road

(M11455)

Schedule XLV-Form No. 134

Arceel

DIVISION

Banshi

SUB-DIVISION

717

MEASUREMENT BOOK

प्रमाणित किया जाता है कि यह माप
 प्रमाण में मर्यादा अंकित पुस्तक 100 (100)
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 प्रमाणित पुस्तक 100 (100)

Schedule PLV-Form No. 134
REFERENCE TO P. W. A. CODE, CHPLVII
Para 30 & 31

In recording detailed measurements the following general instructions should be carefully observed.

- (a) Subject to such subsidiary orders as may be laid down by the local Government detailed measurements should be recorded only by Executive or Assistant Engineers or by Executive Subordinates in-charges of work to whom measurement books have been supplied by the Executive Engineer for the purpose.
- (b) All measurements should be bear taken down in a measurement book Form 23, issued for the purpose, no where else.
- (c) Each set of measurement should commence with entries stating —
 - (i) In the case of bills for work done :-
 - (a) Full name of work as given in estimate
 - (b) Situation of work
 - (c) Name of contractor.
 - (d) Number and date of his agreement and
 - (e) Date of measurement
 - (ii) In case of bills for supply for materials :-
 - (a) Name of Supplier
 - (b) Number and date of his agreement for order,
 - (c) Purpose of supply in one of the following forms applicable of the case —
 - (i) "Stock" (for all supply for stock purpose)
 - (ii) "Purchase" for direct issue to the work (full name of work as given in estimate may be mentioned)
 - (iii) "Purchase" for (full name of work as given in estimate) issued to contractor

- (d) Date of measurements and should end with the Paid initials of the officer marking the measurement, see also paragraph 25)

A suitable abstract should than be prepared which / should collect in the case of measurement for work done, the total quantities of each distinct item of work relating to each sanctioned sub-head.

- (e) As all payments for work supplies are based on the quantities recorded in the measurement books it is incumbent upon the person taking the measurement to record the quantities clearly and accurately. If the measurements are taken in connection with a running contract account on which work has been previously measured he is further responsible (1) that reference to the last set of measurements is recorded and (2) that if the entire job or contract has been completed the fact is recorded prominently just above his initials.
- (f) Entries should be record continuously in the measurement

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(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.	
Name of work - Chattri					
per to mali govt					
Under Ministry (S)					
Agency - Ring bhadrur					
per w.m					
Agreement No -					
08/SBD/MM/MSY/2020-2021					
Date of S-ent - 24-06-2020					
Date of Completion - 23-07-2021					
Balance = 11.50%					
1) Construction of Rafter					
- m.e pillar					
			1 x 1		1 No
(2) Clearing and Grubbing					
Road Land.					
7 x 30.00 m x 3.50					735.00 m ²
1 x 15.00 m x 3.50					52.50 m ²
3.00 m x 3.50 m					10.50 m ²
					798.00 m ²
					0.0750 m ²
(3) E/W in excavation					
for structures as per					

1st on 1/6/21

Abstract of 5th

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1.) Construction of Reference Pillars					
wide T.M.P. page (1) item (1)					
Qty = 1 no.					
Q.B. 1592.74/2 each 1592=					
(2.) Levelling and Graveling Road Land.					
wide T.M.P. page (1) item (2)					
Qty = 0.29 m ²					
Q.B. 1132.76/m ² 4040=					
C.) Construction of embankment					
wide T.M.P. page (1) item (3)					
Land left for road					
Qty = 194.83 m ³					
Q.B. 175.22/m ³ 34139=					
Road upto 100m					
Qty = 454.65 m ³					
Q.B. 139.25/m ³ 63116=					
(4.) Graveling road					
(4) E/W in excavation for structure not in plan					
wide T.M.P. page (2) item (5)					
Qty = 27.30 m ³					
Q.B. 69.32/m ³ 1891=					
					665778=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F			B 65778 =
(5) 21 Type B Bedding Laying bedding on well compacted local sand.					
vide TMB page (2) item (4)					
Bty = 3.56 m ²					
@ B 453.20/m ² - 15					1615 =
(6) 22 providing concrete for plain concrete in open foundation - done					
vide TMB page (1) item (5)					
Bty = 2.71 m ²					
@ B 456.52/m ² - 13					10993 =
(7) 23 Head wall in Brick masonry work in cement mortar (1:4) - - etc					
vide TMB page (2) item (6)					
Bty = 26.750 m ²					
@ B 5427.73/m ² - 15					145192 =
(8) providing and Laying R.C.C. pipe 12" dia					
vide TMB page (2) item (7)					
Bty = 7.50 m					
@ B 3693.92/m - 15					27704 =
					B 251280 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B-F			13251280=
⑧ plastering with 1:4 plastering with 15mm thick					
wide TMB page ⑦ item ⑧					
Qty = 38.62 m ²					
@ 138.23/m ²					4786=
⑩ painting on concrete surface with 120X					
wide TMB page ⑧ item ⑨					
Qty = 24.62 m ²					
@ 128.04/m ²					4437=
(11) granular sub-base with well graded material 600					
wide TMB page ④ item ⑪					
Qty = 182.25 m ³					
@ 1905.180/m ³					347219=
(12) providing, laying, spreading and compacting stone aggregates ---					
WBM - 600					
wide TMB page ④ item ⑫					
Qty = 63.28 m ³					
@ 2641.610/m ³					167161=
					4448728=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F	—	—	6542728=
(13) providing and fixing					
of typical ornamental iron					
— metal sign board					
vide supp page (2) item (8)					
Rt = 2.00					
@ 19042.32/each					18084=
					6566812=
less @ 1.5% below					65183=
					6501629=
Add @ 12% GST					68017=
Ador @ 1% below					5668=

6575314=

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15/02/2021

J.E

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(1) Construction of Road					
- fence pillars					
1 No - V.T.M.B.P. - (1)					
@ Rs 1592.74 per cft					1593 =
(2) Clearing and Graveling					
Road Land.					
0.079 Ha - V.T.M.B.P. - (1)					
@ Rs 51133.76 per Ha					40402
(3) Construction of embankment with material obtained from borrow pits for 100m Land					
225 m ³ - V.T.M.B.P. - (10)					
@ Rs 175.22/m ³					39463 =
(4) Construction of embankment with material obtained from borrow pits for 100m Land					
525.52 m ³ - V.T.M.B.P. - (10)					
@ Rs 139.85/m ³					73494 =
(5) Construction of Sub-grade and Pathway Shoulder					
159.75 m ² - V.T.M.B.P. - (13)					
@ Rs 176.86/m ²					28253 =
					6146842 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F.			6146843 =
(6/6) Construction of granular sub-base by providing well graded material					
185.76 m ² - V.T.M.B.P. - (10)					
@ 61905 18/m ² -					353906 =
(7/7) providing, laying, spreading and compacting stone aggregates 100mm					
24.54 m ² - V.T.M.B.P. - (11)					
@ 62641.61/m ² -					170507 =
8/8 providing and applying prime coat with bitumen emulsion (SS-1)					
860.69 m ² - V.T.M.B.P. - (11)					
@ 42.50/m ² -					36577 =
9/9 providing and applying tack coat with Bitumen emulsion (RS-1)					
860.625 m ² - V.T.M.B.P. - (12)					
@ 14.44/m ² -					12427 =
					671256 =

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
		13.12		64022.60 =
				6712.56 =
(10/10) providing laying and rolling of closed grad of premix surfacing material of 20mm thickness				
860.625 m ² - V.T.M.B.P - (13)				
				@ Rs 182.780/m ² Rs 157288 =
II) Reinforced Cement Concrete M-15 100mm				
1 No - V.T.M.B.P - (13)				
				@ Rs 1894.61/m ²
				Rs 1895 =

(12/12) Reinforced Cement Concrete M-15 100mm				
Stone				
1 No - V.T.M.B.P - 13				
				@ Rs 534.87/m ² Rs 535 =

(13/13) providing and fixing of typical mm size				
informational sign board with logo				
3 Nos - V.T.M.B.P - (14)				
				@ Rs 904.230/each Rs 2712.7 =
				Rs 2891.05 =
				Rs 858101 =

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.F				15891.05
					858101.20
14 } Retro-reflectorized 14 } traffic signs					
600mm equilateral triangle					
2 NO - V.T.M.B.P. - (14)					
@ 153801.60/each					7603.20
15 } Retro-reflectorized 15 } traffic sign.					
600mm Circular					
2 NO - V.T.M.B.P. - (14)					
@ 154925.664/each					9857.20
16 } Retro-reflectorized 16 } traffic sign					
600mm x 450mm rectangular					
2 NO - V.T.M.B.P. - (14)					
@ 154813.506/each					9626.20
17 } Boundary pillar 17 }					
2 NO - V.T.M.B.P. - (14)					
@ 1555.48/each					1031.20
18 } plantings of trees and 18 } their maintenance for one year					
17 NO - V.T.M.B.P. - (14)					
@ 15813.24/each					13920.20
					1563114.20
					1900138.20

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F	—	—	6900138 =
$\frac{15}{19}$ Road marking with Hot applied thermoplastic compound					
45.00 m ² — V.T.M.B.P. — (14)					
		@ 1735.44/m ² —			33095 =
$\frac{20}{20}$ E/W in excavation for structured space					
29.30 m ² — V.T.M.B.P. — (2)					
		@ 269.34/m ² —			7891 = 0
$\frac{21}{21}$ Tare & Bedding Laying on road compacted					
3.56 m ² — V.T.M.B.P. — (2)					
		@ 4520/m ² —			1613 = 0
$\frac{22}{22}$ providing concrete for plain concrete in open foundation, PCC M-15					
2.71 m ² — V.T.M.B.P. — (2)					
		@ 4056.52/m ² —			10993 =
$\frac{23}{23}$ Heavy wall in brick masonry work in G.M (1'4)					
26.75 m ² — V.T.M.B.P. — (2)					
		@ 5427.73/m ² —			145192 =
					1098922 =

Continuation

3rd MAILE

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Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
Name of work - chotripor to malisad					
under MMSYLSC					
Agency - Rangbhandur					
pub work					
Agreement NO - 08/581/MMS					
- 7/2020 - 2021					
Date of started - 24.06.2020					
Date of completion					
After Agreement - 23-3-2021					
Actual Date of completion					
19/07/2021					
Rate of work					

(3) Construction of embankment
 with material obtained
 from borrow pits

Change	Aver mean m ² Area m ²	Distance m	Volume m ³
0	5.925	0.000	0
50	5.871	5.898	294.90
100	5.676	5.774	288.675
150	5.221	5.449	272.425
200	4.762	4.992	249.525
225	4.394	4.578	118.450
			1220.825
deduct			
G.B.-I		57	185.76
W.D. m III		57	64.542
540.400		57	159.75

Continuation

809.968

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(1) Construction of reference pillars					
1 No - V.T.M.R.P. - (1)					
@ 6159.274/mch to 1593 =					
(2) Clearing and grubbing road Canal					
0.079 Hc - V.T.M.R.P. - (1)					
@ 6151.22.76/Hc - 4040 =					
(3) Construction of embankment with material obtained from borrow pits					
For 1000 m Length					
24279 m ³ - V.T.M.B.P. (2)					
@ 6175.22/m ³ - 42542 =					
(4) Construction of embankment with material obtained from borrow pits for 1000 m Length					
566.97 m ³ - V.T.M.B.P. - (2)					
@ 6139.85/m ³ - 679290 =					
(5) Construction of Sub grade road shoulder					
Shoulder					
159.75 m ³ - V.T.M.B.P. - (1)					
@ 6176.84/m ³ - 628253 =					
Continuation					6155718 =

Particulars	Details of actual measurement			Contents of area
	No.	L	B.	
	13.4			155718
(6) Construction of ground sub-base by providing well graded materials -				
155.76 m ² - (2.3) V.M.B.P-23				
@ 1905.18/m ² - 1353906				
(7) providing Laying Spreading and Compacting stone Aggregate WBM				
Ex-III				
64.547 m ² - V.T.M.B.P-24				
@ 2611.18/m ² - 168600				
(8) providing and applying Primer coat with Bitum				
- S.S-1				
86.645 m ² - V.T.M.B.P-21				
@ 141.58/m ² - 122572				
(9) providing and applying tack coat with Bitumen emul				
- S.S-1				
86.645 m ² - V.T.M.B.P-25				
@ 14.44/m ² - 124270				
				729135

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) providing B.F. mix Seal (10) surfacing 20 mm thickness					729135
860.65 m ² - V.T.M.B.P - 128					
@ Rs 182.78/m ² - 6157288=					
(11) kilometre stone					
10 m stone					
1 No - V.T.M.B.P - (26)					
@ Rs 894.61/each 1895					
(12) kilometre stone					
200 m stone					
1 No - V.T.M.B.P - (26)					
@ Rs 894.61/each 1895					
(13) providing and (13) fixing 150 x mm x 150					
3 Nos - V.T.M.B.P - (26)					
@ Rs 9042.82/each - 271274					
(14) Retro-reflectised (14) cautionary triangular sign board 600 mm equilateral triangle					
1 x 2 = 2050					
2 No - V.T.M.B.P - (26)					
@ Rs 3801.61/each - 76032					
					923583=

Continuation

Particulars	Details of actual measurement				Totals of area
	No.	L.	B.	H.	

(15)	Retro-reflective				
(15)	traffic sign				
	60 mm circular				
2 No - V.T.M.B.P - (26)					
	@ Rs 4928.56 / each				98572
(16)	Retro-reflective				
(16)	traffic sign				
	60 mm x 450 mm rect				
2 No - V.T.M.B.P - (26)					
	@ Rs 4812.26 / each				962452
(17)	Roundabout				
(17)	pillar				

2 No - V.T.M.B.P - (26)					
	@ Rs 18.84 /				
	515.48 / each				10312

(18)	planting tree				
(18)	and their maintain				
	ance for one year				
17 Nos - V.T.M.B.P - (27)					
	@ Rs 18.84 / each				320280

(19)	Road marking with				
(19)	Hot applied thermite				
	- astic compound				
45.00 m ² - V.T.M.B.P - (28)					
	@ Rs 725.44 / m ²				32645

Rs 986297

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
		B.F			986299
(20) G.W. in excavations for structures as per 29.30m ³ V.T.M.B.P. (2)					
@ 259.22/m ³					78912
(21) Type A Bedding Laying and well compacting 3.56m ³ V.T.M.B.P. (2)					
@ 44320/m ³					16132
(22) providing concrete for plain concrete					
		M-5			
2.21m ³ V.T.M.B.P. (2)					
@ 4056.52/m ³					109932
(23) Heat wall in brick masonry works in m ³ (1:4)					
26.75m ³ V.T.M.B.P. (2)					
@ 5427.73/m ³					145192
(24) providing and laying R.C.C. pipe NPS					
7.50m ³ V.T.M.B.P. (2)					
@ 3693.92/m ³					277052

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Continuation