

ਪੰਨਾ 134 ਦੇ ਅਤੇ ਮਨੁੱਖੀ ਅਤੇ 32951
ਅਤੇ 1345 ਦੇ (ਮਨੁੱਖੀ)

Schedule XLV-Form No. 134

ਅੰਗਰੇਜ਼ੀ ਅਤੇ ਅੰਗਰੇਜ਼ੀ ਅਤੇ ਅੰਗਰੇਜ਼ੀ
DIVISION

ਅੰਗਰੇਜ਼ੀ ਅਤੇ ਅੰਗਰੇਜ਼ੀ ਅਤੇ ਅੰਗਰੇਜ਼ੀ
SUB-DIVISION
M.B.No-2361

MEASUREMENT BOOK

Shree Prakash Kumar (Haddu)

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 commencement
 of the measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/w:- Constn. of Road 2					
ad works with maintenance					
for Dimesh Ram house to MHP					
Road up to New block					
under MHS Y.					
N/Agency:- Shree prakash					
Kumar, vill- vijaynagar					
Dumra Sitanarhi					

Agreement no:- 22 SBD of 2020-21

Date of Commence:- 11-06-20

Date of Completion:- 11-03-21

Work Done

EARTH WORK QTY SHEET

SLNo.	Change	Area	Mean Area	Distance	Volume
1	0	2.685	1.343	0.00	0.00
2	50	1.513	2.102	50.00	105.1
3	100	3.5	2.51	50.00	125.5
4	150	4.34	3.92	50	196.0
5	200	1.133	2.737	50	136.85

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6	250	1.397	1.264 +3	50	63.20
7	300	0.776	1.085	50	54.25
8	350	1.119	0.948	50	47.4
9	400	1.049	1.084	50	54.2
10	450	5.80	3.426	50	171.3
11	500	3.356	4.58	50	223.00
12	550	2.499	2.928	50	146.4
13	600	1.422	2.061	50	103.05
14	650	2.768	2.195	50	109.75
15	700	3.356	3.062	50	153.1
16	742	2.26	2.80	42	117.94
Total E/w qty with crest =					1813.04

	Say =	1813 m ³
Deduction -	MSB = (-)	160.0
	WBM = (-)	210.33
	PCC = (-)	466.15
	Box cutting	2 - 33.15
	Net =	927.37

(1 1/2) P/v & Fixing of working benchmark pillar

(a) Working benchmark pillars.

Qty = 0.742 Km

(b) Reference pillar

Continuation

Particulars	Details of measurement				Contents of area
	No.	L.	B.	D.	
					Qty = 0.742 Km
(2/3) clearing & grubbing Road Land etc.					
					$2 \times 742m \times 3.2m = 4748m^2$
					$4748/10000 = 0.475 Ha$
					Qty = 0.475 Ha
(3/4) Excavation for Roadwork in soil using manual men etc.					
					$2 \times 14 \times 30m \times 0.375 \times 0.1m = 31.5m^3$
					$2 \times 22m \times 0.375 \times 0.1m = 1.65m^3$
					Qty = 33.15m ³
(4/5) Constr. of embankment with material obtained from borrow pit etc.					
Lead 1000m					
					Qty = 253 m ³
					Qty = 649m ³
(5/6) Constr. of Subgrade & earthen shoulder etc.					
					Qty = 233m ³
(6/7) Constr. of Urucular					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sub-base by providing well graded material etc.					
Box cutting	2	15m	1m	0.1m	$= 3m^3$
		2	15m	0.45	$\times 0.1m = 1.35m^3$
		2	13	$\times 15m \times 0.375 \times 0.1m$	$= 14.62m^3$
		2	15m	$\times 1m \times 0.1m$	$= 3m^3$
		2	5	$\times 15m \times 0.375 \times 0.1m$	$= 5.63m^3$
		2	15m	$\times 0.5m \times 0.1m$	$= 1.5m^3$
		2	15m	$\times 0.375 \times 0.1m$	$= 1.13m^3$
		2	2	$\times 15m \times 0.375 \times 0.1m$	$= 2.25m^3$
		2	2	$\times 15m \times 0.375 \times 0.1m$	$= 2.25m^3$

	$2 \times 15m \times 0.09m \times 0.1m = 2.67m^3$
	$2 \times 15m \times 0.8m \times 0.1m = 2.4m^3$
	$2 \times 7m \times 0.375 \times 0.1m = 0.52m^3$
Full width	$8m \times \frac{(3.5 + 3.8)}{2} \times 0.1m = 3.08m^3$
	$15m \times (3.8m) \times 0.1m = 5.9m^3$
	$15m \times \frac{(3.8 + 3.75)}{2} \times 0.1m = 5.66m^3$
	$15m \times \frac{(3.8 + 3.75)}{2} \times 0.1m = 5.66m^3$
	$15m \times \frac{(3.8 + 3.75)}{2} \times 0.1m = 5.66m^3$
	$15m \times \frac{(3.8 + 3.75)}{2} \times 0.1m = 5.66m^3$
	$15m \times \frac{(3.8 + 3.75)}{2} \times 0.1m = 5.66m^3$
	$15m \times \frac{(3.8 + 3.75)}{2} \times 0.1m = 5.66m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		15m	3.75m	0.1m	5.63m ³
		15m	$\frac{(3.75+3.8)}{2}$	0.1m	5.66m ³
		15m	$\frac{(3.8+3.9)}{2}$	0.1m	5.77m ³
		15m	$\frac{(3.9+3.8)}{2}$	0.1m	5.77m ³
		15m	$\frac{(3.8+3.75)}{2}$	0.1m	5.66m ³
		15m	$\frac{(3.8+3.6)}{2}$	0.1m	5.55m ³
		15m	$\frac{(3.6+3.85)}{2}$	0.1m	5.58m ³
		15m	$\frac{(3.85+3.8)}{2}$	0.1m	5.73m ³
		15m	$\frac{(3.8+3.75)}{2}$	0.1m	5.66m ³
		15m	$\frac{(3.8+4.15)}{2}$	0.1m	5.96m ³
		15m	$\frac{(4.15+3.9)}{2}$	0.1m	6.03m ³
		15m	$\frac{(3.9+3.95)}{2}$	0.1m	5.89m ³
		15m	$\frac{(3.95+3.8)}{2}$	0.1m	5.81m ³
		7m	3.9m	0.1m	2.73m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Profile Corrector	30	1m	1m	0.1m	3m ³
	20	1.5m	1.5m	0.1m	2.25m ³
		10m	1.35m	0.1m	1.35m ³
		14m	1.2m	0.1m	1.68m ³
		15m	1m	0.1m	1.5m ³
	2x	10m	1m	0.1m	2m ³
	2x	6.5m	1.1m	0.1m	1.43m ³
					Σ = 168.04
5.05m 5.05m					Limit to 168m ³
(7/8) P/v, Laying & Spreading					

2	Compacting of WBM-3			
	etc.			
	15m x (6.6 + 4.4 + 4.05)			
	3			
				x 0.075 = 5.64m ³
	15m x (4.05 + 3.75)			
	2			
				x 0.075 = 4.39m ³
	15m x (3.75 + 3.0)			
	2			
				x 0.075 = 4.25m ³
	15m x 3.0m x 0.075			
				x 0.075 = 4.25m ³
	15m x (3.0 + 3.75)			
	2			
				x 0.075 = 4.55m ³
	15m x (3.0 + 4.4 + 3.95)			
	3			
				x 0.075 = 4.38m ³
	15m x (3.95 + 3.05)			
	2			

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			$15m \times \frac{(3.85+3.7)}{2}$	$\times 0.075 = 4.25m^3$	
			$15m \times \frac{(3.7+3.8)}{2}$	$\times 0.075 = 4.22m^3$	
			$15m \times \frac{(3.8+3.9)}{2}$	$\times 0.075 = 4.33m^3$	
			$15m \times (3.9+3.95+3.7)$	$\times 0.075 = 4.33m^3$	
			$15m \times \frac{(3.7+3.6)}{2}$	$\times 0.075 = 4.1m^3$	
			$15m \times \frac{(3.6+3.5)}{2}$	$\times 0.075 = 3.99m^3$	
			$15m \times \frac{(3.5+3.55)}{2}$	$\times 0.075 = 3.92m^3$	
			$15m \times \frac{(3.55+6.4)}{2}$	$\times 0.075 = 5.53m^3$	
			$15m \times \frac{(6.4+3.8)}{2}$	$\times 0.075 = 5.73m^3$	
			$15m \times \frac{(3.8+3.75)}{2}$	$\times 0.075 = 4.24m^3$	
			$15m \times \frac{(3.75+3.9)}{2}$	$\times 0.075 = 4.3m^3$	
			$15m \times (3.9+3.55+3.7)$	$\times 0.075 = 4.10m^3$	
			$15m \times \frac{(3.7+3.87)}{2}$	$\times 0.075 = 4.25m^3$	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$15m \times \frac{(3.87 + 4.25)}{2} \times 0.075 = 4.56m^3$			
		$15m \times \frac{(4.25 + 3.25)}{2} \times 0.075 = 4.22m^3$			
		$15m \times \frac{(3.25 + 3.65)}{2} \times 0.075 = 3.80m^3$			
		$15m \times \frac{(3.65 + 3.45 + 3.75)}{3} \times 0.075 = 4.06m^3$			
		$15m \times 3.75 \times 0.075 = 4.22m^3$			
		$15m \times \frac{(3.75 + 3.5)}{2} \times 0.075 = 4.3m^3$			
		$15m \times \frac{(3.5 + 6.4 + 4.45)}{3} \times 0.075 = 5.58m^3$			
		$15m \times (4.45) \times 0.075 =$			
		$15m \times \frac{(4.45 + 4.9 + 5)}{3} \times 0.075 = 5.30m^3$			
		$15m \times \frac{(5 + 4.05 + 3.5)}{3} \times 0.075 = 5.15m^3$			
		$7m \times \frac{(3.5 + 3.0)}{2} \times 0.075 = 2.02m^3$			
		$8m \times \frac{(3.5 + 3.0)}{2} \times 0.075 = 2.31m^3$			

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		15m	3.8m	0.075	$= 4.20m^3$
		15m	$(3.8 + 3.75)$	$\times 0.075$	$= 4.25m^3$
			2		
		15m	$(3.8 + 3.75)$	$\times 0.075$	$= 4.25m^3$
			2		
		15m	$(3.8 + 3.75)$	$\times 0.075$	$= 4.24m^3$
			2		
		15m	$(3.8 + 3.75)$	$\times 0.075$	$= 4.25m^3$
			2		
		15m	$(3.8 + 3.75)$	$\times 0.075$	$= 4.25m^3$
			2		
		15m	$(3.8 + 3.75)$	$\times 0.075$	$= 4.25m^3$
			2		

		15m	3.75m	0.075	$= 4.22m^3$
		15m	3.75m	0.075	$= 4.22m^3$
		15m	$(3.8 + 3.9)$	$\times 0.075$	$= 4.33m^3$
			2		
		15m	$(3.9 + 3.8)$	$\times 0.075$	$= 4.33m^3$
			2		
		15m	$(3.8 + 3.75)$	$\times 0.075$	$= 4.24m^3$
			2		
		15m	$(3.8 + 3.6)$	$\times 0.075$	$= 4.16m^3$
			2		
		15m	$(3.6 + 3.85)$	$\times 0.075$	$= 4.19m^3$
			2		
		15m	$(3.85 + 3.8)$	$\times 0.075$	$= 4.3m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$15m \times (3.0 + 3.75)$			$\times 0.075 = 4.25m^3$
		2			
		$15m \times (3.0 + 4.15)$			$\times 0.075 = 4.97m^3$
		2			
		$15m \times (4.15 + 3.3)$			$\times 0.075 = 4.52m^3$
		2			
		$15m \times 3.3m$			$\times 0.075 = 4.33m^3$
		$15m \times (3.35 + 3.0)$			
		2			$\times 0.075 = 4.35m^3$
		$7m \times (3.3 + 3.85)$			$\times 0.075 = 2.23m^3$
		2			
Front	15.03-21	15.03-21	15.03-21	15.03-21	218.33m ³

(8/9) Const. of un-reinforced
plain cement concrete pavement
etc.

	$15m \times (6.1 + 4.4 + 4.05)$			$\times 0.16 = 12.04m^3$
	3			
	$15m \times (4.05 + 3.75)$			$\times 0.16 = 9.36m^3$
	2			
	$15m \times (3.75 + 3.0)$			$\times 0.16 = 9.06m^3$
	2			
	$15m \times 3.8m$			$\times 0.16 = 9.12m^3$
	$15m \times (3.0 + 3.75)$			$\times 0.16 = 9.06m^3$
	2			
	$15m \times (3.0 + 4.4 + 3.95)$			
	3			$\times 0.16 = 9.72m^3$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$15m \times (3.35 + 3.05)$			
		2		$\times 0.16m = 9.36m^3$	
		$15m \times (3.85 + 3.7)$			
		2		$\times 0.16m = 9.66m^3$	
		$15m \times (3.7 + 3.8)$			
		2		$\times 0.16m = 9m^3$	
		$15m \times (3.8 + 3.9)$			
		2		$\times 0.16m = 9.24m^3$	
		$15m \times (3.3 + 3.35 + 3.7)$			
		3		$\times 0.16m = 9.24m^3$	
		$15m \times (3.7 + 3.2)$			
		2		$\times 0.16m = 8.76m^3$	
		$15m \times (3.6 + 3.5)$			
		2		$\times 0.16m = 8.52m^3$	
		$15m \times (3.5 + 3.55)$			
		2		$\times 0.16m = 8.46$	
		$15m \times (3.55 + 6.4)$			
		2		$\times 0.16m = 11.94m^3$	
		$15m \times (6.4 + 3.8)$			
		2		$\times 0.16m = 12.24m^3$	
		$15m \times (3.8 + 3.35)$			
		2		$\times 0.16m = 9.06m^3$	
		$15m \times (3.75 + 3.5)$			
		2		$\times 0.16m = 9.18m^3$	
		$15m \times (3.9 + 3.55 + 3.7)$			
		3		$\times 0.16 = 9.32m^3$	
Continuation					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$15m \times (3.85 + 3.8)$		$\div 2$	$\times 0.16 = 3.18m^3$
		$15m \times 3.8m \times 0.16m$			$= 3.12m^3$
		$15m \times (3.8m + 4.15)$		$\div 2$	$\times 0.16 = 3.54m^3$
		$15m \times (4.15 + 3.3)$		$\div 2$	$\times 0.16 = 3.61m^3$
		$15m \times 3.9m \times 0.16m$			$= 3.36m^3$
		$15m \times (3.35 + 3.8)$		$\div 2$	$\times 0.16 = 3.3m^3$

		$7m \times (3.95 + 3.85)$		$\div 2$	$\times 0.16 = 4.34m^3$
		$22-03-21$			$QTY = 466.15m^3$
		$22-03-21$			

(9/10) Km stone:- Reinforced cement
Concrete M-15 grade km local stone

(i) Km stone :- $QTY = 2 Nos.$

(ii) 20cm stone:- $QTY = 3 Nos.$

(10/11) Boundary filler:- Reinforced
Cement Concrete M-15 grade
boundary pillar.

$QTY = 20 Nos.$

(11/12) 1/2 & Fixing of Retro-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
reflective cautionary					
mandatory & informative					
Sign board etc.					
(a) 600mm circular (speed limit)					
Qty = 4 Nos.					
(b) 900mm equilateral & triangle (left right curve)					
Qty = 2 Nos.					
(c) 600mm x 450mm rectangular					
Qty = 2 Nos.					

(12/13) P/V & applying coat of thermoplastic compound 2.5 mm thick etc.

$$2 \times 742m \times 0.025m = 140.4m^2$$

$$Qty = 140.4m^2$$

(13/15) P/V & erecting direction & place notation etc.

$$Qty = 1 Nos.$$

(14/16) P/V & fixing of typical minor informative

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ £ 176 = 75/m ²					£ 41182 = 00
(6/7) Constn. of drainage					
Sub - base by providing					
well graded material					
Qty vide TMB P-3 to 6					
Qty = 168 m ³					
@ £ 2700 = 93/m ³					£ 453756 = 00
(7/8) P/W, laying, spreading					
& compacting of WBM - III					
Qty vide TMB P-6 to 10					
Qty = 218.33 m ³					
@ £ 3286 = 46/m ³					£ 717533 = 00
(8/9) Constn. of un-reinforced					
plain cement concrete					
Pavement etc.					
Qty vide TMB P-10 to 14					
Qty = 466.15 m ³					
@ £ 7640 = 62/m ³					£ 3561675 = 00
(9/10) Km Stone:- Reinforced					
Cement concrete m/s grade					
Km Local Stone etc.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(i) Km Stone:-					
Qty vide TMB P-14					
Qty = 2 Nos.					
@ ₹ 2446=98/No.				₹	4894=00
(ii) 200m Stone:-					
Qty vide TMB P-14					
Qty = 3 No.					
@ ₹ 633=59/No				₹	1901200
(10/11) Reinforced cement concrete					
M-15 grade boundary					
Pillar etc.					
Qty vide TMB P-14					
Qty = 20 Nos.					
@ ₹ 506=49/No				₹	10130=00
(11/12) P/v 2 Fixing of retro-reflective Cautionary Mandatory					
2 Hornetory Sign board					
@ 600mm circular					
Qty vide TMB P-15					
Qty = 4 No.					
@ ₹ 4865=10/No				₹	19460=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(b) 900mm equilateral					
2 triangle etc					
Qty vide TMB P-15					
Qty = 2 No.					
@ £ 5511=71/No.					£ 11023=00
(c) 600mm x 450mm					
rectangular etc.					
Qty vide TMB P-15					
Qty = 2 No.					
@ £ 4739=64/No.					£ 9479=00

(12/13) P/v 2 laying of hot					
applied thermoplastic					
Compound 2.5mm thick					
Qty vide TMB P-15					
Qty = 148.4m ²					
@ £ 820=83/m ²					£ 121811=00
(13/15) P/v 2 erecting direction					
2 Place identification					
Qty vide TMB P-15					
Qty = 1 No.					
@ £ 3242=12/No.					£ 3242=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14/16) P/V 2 Fixing of typical					
mm size Informatory Sign					
board with logo etc					
Qty vide TMB P-16					
Qty = 5 No.					
@ ₹ 11052 = 81/No					₹ 55264200
Total =					₹ 555806=
Add 1/2 Labour cess =					555806=
Add 12 1/2 GST =					618697200
Net =					582606120
Less 10% below as per agreement =					-582606=
Net =					5243455=
For	22-03-21				
JE					
For	22-03-21				
AB					
For	22-03-21				
AB					