

13

22/1

NH 30A TO GONAMMAN VILLAGE

Schedule XLV From No. 134.

BIHAR P. W.D.

22/1

22/1

(Main Book)

HARNAUT

DIVISION

HARNAUT

SUB-DIVISION

OK

MEASUREMENT BOOK

22/10/1911

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Measurement Book

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1. What is the purpose of the study?
 2. What are the research objectives?
 3. What is the scope of the study?

12-4-2000

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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.	
1st on A/c Bill					
Name of Road - M/R To Road From					
NH 309 To Honawar Village					
Agency - Shubh Karmacharya Foundation Aikim.					
Agreement No - 04/HBD/2021-22					
Date of Commencement - 25/3/2021					
Date of Completion - 24/12/2021					
Date of Entry - 24/4/22					

MEASUREMENT				
① Clearing & Grubbing Road Land				
20 x 20 x 20 x 20 x 20				
12 x 3 x 30.00 x 1.00				180.00 m ²
2 x 3 x 30.00 x 1.00				180.00 m ²
12 x 1 x 20.00 x 1.00				40.00 m ²
20 x 20 x 20 x 20 x 20				400.00 m ²
400.00 m ² / 10000 = 0.04 Hec.				
② Scarifying existing B.S. Surface				
20 x 20 x 20 x 20 x 20				
10 x 48 x 0.60 x 0.60				17.28 m ²
10 x 40 x 0.90 x 0.60				21.60 m ²
18 x 0.90 x 0.90				14.58 m ²
22 x 1.20 x 0.90				23.76 m ²
8 x 1.85 x 1.20				17.76 m ²
				94.98 m ²
③ P/R & Grubbing Rec. & Surface				
20 x 20 x 20 x 20 x 20				
4 x 3 x 2.50 m				30.00 m ²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
⑧ Mr. Singh & Co. masonry work (1st-3)					
..... 20	 20	 20	 20	 20	 20
	12	0.90	0.60	0.075	0.4864 ³
	16	0.30	0.30	0.075	0.1084 ³
	14	0.80	0.60	0.075	0.5044 ³
	12	1.20	0.90	0.075	0.9724 ³
	18	1.20	1.20	0.075	1.9444 ³
	22	0.80	0.55	0.075	0.7264 ³
	16	0.90	1.35	0.075	1.4584 ³
	10	1.50	1.35	0.075	1.5744 ³
	18	1.30	1.50	0.075	2.5314 ³
	12	1.50	1.20	0.075	1.6204 ³
	4	2.00	1.50	0.075	0.904 ²
	6	2.50	2.00	0.075	2.254 ³

	8	2.50	2.50	0.075	3.754 ³
	4	3.00	2.50	0.075	2.254 ³
	2	3.50	2.75	0.075	1.4444 ³
	28	0.40	0.50	0.075	0.14204 ³
	2	3.50	3.50	0.075	1.8384 ³
	4	4.00	2.25	0.075	2.7004 ³
	3	4.00	2.75	0.075	2.4754 ³
	5	5.12	3.50	0.075	6.7204 ³
		1.84	0.40	0.075	36.6154 ³
		3.75	0.40	0.075	1.5744 ³
		1.50	1.50	0.075	1.5744 ³
		1.20	1.20	0.075	1.5744 ³

⑨ Providing & applying Prime Coat					
..... 20	 20	 20	 20	 20	 20
	12	0.90	0.60		6.484 ²
	16	0.30	0.30		1.444 ²

Continuation

7.924²

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
B.F.					7.92 m ²
		14	0.80	0.40	4.48 m ²
		12	1.20	0.90	12.96 m ²
		18	1.20	1.20	25.92 m ²
		22	0.30	0.55	9.68 m ²
		16	0.90	1.35	19.44 m ²
		10	1.50	1.35	20.25 m ²
		15	1.50	1.50	33.75 m ²
		12	1.50	1.20	21.60 m ²
		4	2.00	1.50	12.00 m ²
		6	2.50	2.00	30.00 m ²
		8	2.50	2.50	50.00 m ²
		4	3.00	2.50	30.00 m ²
		2	3.50	2.75	19.25 m ²
		1	2.25	1.0	2.25 m ²

		28	0.40	0.50	5.60 m ²
		12	3.50	3.50	24.50 m ²
		4	4.00	2.25	36.00 m ²
		3	4.00	2.75	33.00 m ²
		5	5.12	3.50	89.60 m ²
					488.20 m ²

⑥ Boundary & applying thick coat

----- 20 ----- 20 ----- 40

Qty. same as TMB P-03

Item No - 04

488.20 m² 488.20 m²

Continuation

(8) Bonding Paving work			
1 X 30.00 x 3.70	111.00 m ²		
1 X 30.00 x 3.70 x 1.14	118.00 m ²		
1 X 20.00 x 3.70	74.00 m ²		
2 X 30.00 x 3.70 + 1.00	234.00 m ²		

⑧ Rounding & Longing S.D.B.C.			
.....	20		212
	1x 30.00x	3.90x	0.025
			2.925u ³
	1x 30.00x	2.90+1.10x	3.80
			0.025
			2.995u ³
	1x 30.00x	3.80x	0.025
			1.90u ³
	2x 30.00x	3.80	4.00
			0.025
			5.85u ³
	1x 30.00x	1.00+3.50	4.50
			0.025
			2.216u ³
			15.841u ³

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
B.P.					15.87 m ²
1 x 18.50 x 5.30		18.50	5.30	10.005	2.43 m ²
1 x 22.00 x 5.30		22.00	5.30	10.005	3.21 m ²
Cement					19.13 m ²
Construction of unsaturated not concrete					
1 x 8.30 x 5.40		8.30	5.40	0.10	3.90 m ²

(10) Construction of unreinforced
Cement concrete.....20.....

$$1 \times 8.30 \times 5.40 \times 4.00 \times 0.10 = 3.9014 \text{ m}^3$$

1X 22.700	$\frac{4.30 + 3.30}{2} \times 0.10$	8.626 m ³
1X 29.000	$\frac{3.30 + 4.00}{2} \times 0.10$	10.585 m ³
1X 20.000	$\frac{4.00 + 3.40}{2} \times 0.10$	7.40 m ³
1X 21.000	$\frac{3.40 + 4.00}{2} \times 0.10$	7.77 m ³
1X 19.000	$\frac{4.00 + 4.60}{2} \times 0.10$	8.17 m ³
1X 26.000	4.60×0.10	11.96 m ³
1X 17.500	$\frac{4.60 + 3.10}{2} \times 0.10$	7.508 m ³
1X 14.000	$\frac{3.10 + 4.40}{2} \times 0.10$	5.25 m ³
1X 13.500	$\frac{4.40 + 4.60}{2} \times 0.10$	6.075 m ³
1X 21.000	$\frac{4.20 + 4.40}{2} \times 0.10$	9.03 m ³
1X 23.000	$\frac{4.40 + 3.365}{2} \times 0.10$	9.085 m ³
1X 8.000	$\frac{3.30 + 4.20}{2} \times 0.10$	3.08 m ³
1X 7.800	$\frac{5.50 + 4.60}{2} \times 0.10$	3.939 m ³
1X 20.200	$\frac{4.60 + 3.06}{2} \times 0.10$	7.737 m ³
1X 25.000	$\frac{3.06 + 2.40}{2} \times 0.10$	7.200 m ³
1X 11.000	$\frac{2.70 + 4.20}{2} \times 0.10$	5.037 m ³

Continuation

~~122.353 m²~~
122.146 m²

P200527			
Qty 36.615MB			
② B.2271911MB 83,186			
⑤ PIV Laying down			
Count with bitumen			
etc. all Completers			
Qty road TMS 1027			
Qty 488.20m2			
② 40.451m2 B 19,748			
⑥ PIV and applying			
tack coat etc all			
Completers.			
Qty road TMS 1028			
Qty 488.20m2			
② B 13.331m2 B 6537=			

Continuation

1649392

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
				13.12 B	
⑦ PIV Laying and polling Mls etc. all completely etc note this process etc 488.25 m ² @ B - 184.64 / m ² B 95028 =					
⑧ PIV Laying and applying face coat etc all completely etc note this process etc 765 m ² @ B - 11.14 / m ² B 8522 =					

⑨ PIV and applying S.D. etc etc all completely etc note this process etc 1918 m ² @ B 8675.10 / m ² B 1,65,932 =					
⑩ Construction of Pond Concrete floor coat Concrete etc all completely etc note this process etc 251.30 m ² @ B 8809.84 / m ² B 17,11,378 =					
⑪ PIV and Laying Brickwork etc etc all completely					

Continuation L.O.P. 26,45,755

2145760

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				0.1 B	21.45785
				0.15 mole Tm	
				0.15 30m	
				0.1 B 30m	24.513
(12) P.W. R.C.C. boundary					
Pillar etc. all					
Complete etc.					
0.15 mole Tm					
0.15 29					
0.15 40m					
0.1 B 496.10/10 B					19.8402
(13) P.W. R.C.C. M/S					
km stone etc. all					
Complete etc.					

				0.15 mole Tm	
				0.15 21.60	
				0.1 B 2020.07/10 B	40.40
(14) P.W. R.C.C. M/S					
2000 stone etc.					
all complete etc.					
0.15 mole Tm					
0.15 41.60					
0.1 B 575.35/10 B					23.01
(15) P.V. and fixing					
600mm triangle etc.					
all complete etc.					
0.15 mole Tm					
0.15 61.60					
0.1 B 3206.87/10 B					19.211

Continuation

22176957

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				13.42	
(16) PW and Arany					
Ground Circular					
etc. all complete					
Job					
Its role					
(17) DW and Arany					
600mm rectangular					
etc. all complete					
Its role					
Its 2 No.					

(18) PW and Arany					
600mm rectangular					
etc. all complete					
Its role					
Its 4 No.					
(19) PW and Arany					
900mm square					
etc. all complete					
Its role					
Its 1 No.					
(20) PW and Arany					
road marking etc.					
all complete					
Its role					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Part	
				Qty 180.775m ²	
				Q 3 259.71/m ² 155372	
(21) PLY and Plying					
Logo and Project					
etc. all completions					
Qty note Tm 181					
Qty 210					
Q 3 - 250.5/m ² 181601					
(22) E/W in excavations					
for structures etc.					
all completions					
Qty note Tm 181					
PN 131					

				Qty 88.50m ²	
				Q 3 305.40/m ² 27027	
(23) Sand Filling					
in foundations etc. all					
completions					
Qty note Tm 181					
PN 132					
				Qty 600m ²	
				Q 3 491.91/m ² 2957	
(24) Curb of W-80					
by PW graded					
Material etc. all					
completions					
Qty note Tm 181					
Qty 9.00m ²					
Q 3 258.70/m ² 181348					

Continuation

2484845

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			P. A. P.		
(25) P.V. P.C. M.W.					
Concrete for plain					
in open, foundations etc.					
all completed					
Qty. made Tins					
			P.N. 32		
Qty 6.40 M					
Calc 4.64. 80/M 22.40					
(26) P.V. and Laying					
Mrs. Rice to sub					
structure etc. all					
completed					
Qty made Tins					

	P.V. 32.			
	Qty 7.00 M			
	Calc 5.8. 30/M 1.637			
(27) Reinforced Cement				
Concrete for				
substructure				
all completed				
Qty made Tins				
	P.N. 33.			
Qty 21.29 M				
	Calc 4.08 20/M 1.40, 29			
(28) P.V. and Laying				
bituminous concrete				
etc. all completed				
Qty made Tins				
	P.N. 33.			

Continuation

2696822



149.9002
 15120.80 / 15.118
 31) Planetary Pm 36 @ 84128 R 33,650
 2h, 40m 10s
 Total 30,42,98
 Add 12% GST 3,69,150
 Add 1% Labour 30,429
 Add engineer's 1,693
 Rs 34,95,729
 1) behind 2% 94,337
 2) 54,86,290
 3) 34,48,926
 4) Premium Pm 33 34,48,926
 Total 37,360
 24/8/23
 AE
 24/8/23
 D.F



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