

Keonjhat Ratanpur PWD Road To Jodan

Schedule XLV From N. 134

Tols Pokharipore,

P.W.D.

Head. MMustaf (Sc)

R.W.D. Jamu

DIVISION

Barhat

SUB DIVISION

M.B.N. 2694

MEASUREMENT BOOK

M.B. 2694,

Smt- Gulabi Kumari
Ag. No. 29 (S.B.D) 1020-21

3rd on a/c Bill

Name of work: Construction of
road from Kenuhat-

Ratanpur PWD road
to Padar Tala Peheria

Agency: Smt. Gulabi Kumari

Agreement no. 29 (SDD) / 2020-21

Dt. of Start: 30-7-2020

Dt. of Completion: 29-7-2021

Dt. of measurement: 29-7-2021

EARTH WORK QUANTITY SHEET

Sl. no.	chainage M	Area m ²	Mean Area m ²	Distance M	Volume m ³
20	1800	2.32	-	-	-
21	1900	1.57	1.945	100	194.50

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
		Continue			
22	2000	3.45	2.50	100	251.00
23	2100	1.94	2.695	100	269.56
24	2200	2.22	2.080	100	208.00
25	2300	2.37	2.295	100	229.56
26	2400	2.40	2.385	100	238.56
27	2500	1.61	2.005	100	200.56
28	2600	2.95	2.280	100	228.00
29	2700	2.34	2.645	100	264.56
30	2800	2.48	2.410	100	241.00
31	2900	2.08	2.280	100	228.00
32	3000	2.03	2.055	100	205.50
			Total		2758.50 m ³
					---(i)

(a) E/w in Subgrade

$$1200 \times 5.95 \times 0.30 = 2142.0 \text{ m}^3$$

(ii)

(b) E/w in Embankment

Total - Subgrade

$$(i) - (ii) = 2758.50 - 2142.0 = 616.50 \text{ m}^3$$

- (iii)

(3/3) Construction of embankment

- do - all complete.

Qty. under TAB Page (13)

$$\text{of (b) of (iii)} = 616.50$$

$$\text{for 1000 M lead } 616.50 \times 32\% = 197.28 \text{ m}^3$$

(4/4) Construction of embankment

Qty. under TAB Page (13)

$$\text{of (b) of (iii)} = 616.50$$

$$\text{for 100 M lead } 616.50 \times 68\% = 419.22 \text{ m}^3$$

(Continuation)

Sch. XLV- Form No. 134

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
Cont. enue.					
	20	30	3.75		= 2250.00
	15	30	3.75		= 1687.50
	8	30	3.75		= 900.00
	1	10	3.75		= 37.50
	16	30	3.75		= 1800.00
	1	20	3.75		= 75.00
	10	30	3.75		= 1125.00
	6	30	3.75		= 675.00
	1	20	3.75		= 75.00
	3	30	$\frac{5.66+3.75}{2} - 3.75$		= 85.95
					8710.98 m ²
(10/10) Tack coat (PS): Providing & applying tack coat					
Qty. used this Page (16)					= 8710.98 m ²
(11/11) MSS (S90): Providing laying & rolling of close graded premix of 2 mm - down all complete					
	20	30	3.75		= 2250.00
	15	30	3.75		= 1687.50
	8	30	3.75		= 900.00
	1	10	3.75		= 37.50
	16	30	3.75		= 1800.00
	1	20	3.75		= 75.00
	10	30	3.75		= 1125.00
	6	30	3.75		= 675.00
	1	20	3.75		= 75.00
curve/ widening	3	30	$\frac{5.66+3.75}{2} - 3.75$		= 85.95

(Continuation)

8710.98

H

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
(27/5) Constant for earthen shoulder with approved methods - do - all complete.					
RT					
					$43 \times 30 \times \frac{1.295 + 1.49}{2} \times 0.275 = 493.99$
					$16 \times 30 \times \frac{1.295 + 1.49}{2} \times 0.275 = 183.81$
					$10 \times 30 \times \frac{1.295 + 1.49}{2} \times 0.275 = 114.88$
					$7 \times 30 \times \frac{1.295 + 1.49}{2} \times 0.275 = 80.42$
					$1 \times 20 \times \frac{1.295 + 1.49}{2} \times 0.275 = 7.66$
CC					
					$18 \times 30 \times \frac{1.22 + 1.39}{2} \times 0.335 = 236.07$
					$4 \times 30 \times \frac{1.22 + 1.39}{2} \times 0.335 = 52.46$
					$1 \times 25 \times \frac{1.22 + 1.39}{2} \times 0.335 = 10.93$
					1180.22
Belt side					$2 \times 1180.22 = 2360.44$
less for hard shoulder					
					$2 \times 685 \times 0.50 \times 0.125 = 85.63$
					2274.81
JE					

(Continuation)

ABSTRACT OF COST

3rd Bill

Sch. XLV- Form No. 134

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
① Paving & laying Bch. Msh					
Qty. wide TMB Page ⑦					
3.0 KM CR 22684.88 / km = RS					98055 =
② clearing & grubbing rd. Lnd.					
Qty. wide TMB Page ⑨					
1.05 km CR 51133.76 / km = RS					53,690 =
③ Construction of embankment.					
206.66 Qty. wide TMB Page ⑨					
197.28 Qty. wide TMB Page ⑬					
403.94 M ³ CR 175.22 / m ³ = RS					70,778 =
④ Construction of embankment					
691.85 Qty. wide TMB Page ⑨					
419.22 Qty. wide TMB Page ⑬					
1111.07 1106.83 M ³ CR 135.12 / m ³ = RS					1,49,555 =
⑤ Construction of Shoulder					
Qty. wide TMB Page ⑫					
2274.81 M ³ CR 176.86 / m ³ = RS					4,02,323 =
⑥ Construction of Subgrade					
3240.0 Qty. wide TMB Page ⑨					
2142.0 Qty. wide TMB Page ⑬					
5382.0 M ³ CR 176.86 / m ³ = RS					9,51,861 =
⑦ Construction of C&G					
1458.0 Qty. wide TMB Page ⑨					
423.63 Qty. wide TMB Page					
1881.63 M ³ CR 1659.01 / m ³ = RS					3,12,643 =
⑧ Paving & laying Bch. Msh					
Qty. wide TMB Page ⑫					
852.16 M ³ CR 2208.73 / m ³ = RS					1,88,219 =

(Continuation)

RS 67,30,096 =

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
(18/20) SIFR of 600 mm circular					
Qty. made TMB Page (18)					
12 no. C.R. 3464.32 / each = Rs					41,572=
(19/21) SIFR of 600 mm Circular					
Qty. made TMB Page (18)					
8 no. C.R. 4839.99 / each = Rs					37,520=
(20/22) SIFR of 600 mm Rectangular					
Qty. made TMB Page (18)					
12 no. C.R. 6591.22 / each = Rs					79,095=
(21/23) SIFR of 600 x 450 mm Rectangular					
Qty. made TMB Page (18)					
8 no. C.R. 4564.53 / each = Rs					36,516=
(22/25) Rd. Marking on RT.					
Qty. made TMB Page (18)					
460.0 m ² C.R. 735.44 / m ² = Rs					338,302=
(23/26) Rd. Marking on C.C.					
Qty. made TMB Page (19)					
140.0 m ² C.R. 835.35 / m ² = Rs					1,16,949=
(24/27) SIFR of Boundary feller					
Qty. made TMB Page (19)					
40 no. C.R. 484.52 / each = Rs					19,381=
(25/28) Providing & erecting obstructing plate					
Qty. made TMB Page (19)					
12 no. C.R. 11662.22 / each = Rs					139,947=
(26/29) Providing & fixing M.S. board.					
4 no. Qty. made TMB Page (19)					
1 no. Qty. made TMB Page (19)					
5 no. C.R. 9331.83 / each = Rs					46,659=

(Continuation)

Rs 1,40,61,363=

(C.O.)

BPR 1,40,61,363.00
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Sch. XLV- Form No. 134

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
(27/31) E/W in excavation in floor Qty. under TMB Page (9)					
148.99 m ² CR 294.73 / m ² = R					43,912.00
(28/32) Forming PCC M-1.5 in floor Qty. under TMB Page (10)					
22.975 m ³ CR 4890.41 / m ³ = R					1,12,357.00
(29/33) Rain PCC M-20 in Substructure Qty. under TMB Page (10)					
178.555 m ³ CR 6034.02 / m ³ = R					10,77,404.00
(30/34) Banding & Laying 100mm H.F. Qty. under TMB Page (10)					
37.58 m CR 3379.13 / m = R					1,26,717.00
(31/35) Painting on parapet Qty. under TMB Page (13)					
103.20 m ² CR 97.19 / m ² = R					10,030.00
				R	1,54,31,783.00
Add 12% GST				R	1,85,18,14.00
Add 1% Labour cost				R	1,54,31,8.00
				R	1,74,37,915.00
Less 10% as per agreement (-)				R	1,74,37,92.00
				R	1,56,94,123.00
Deduct previous payment				R	47,50,426.00
cash				R	1,09,43,697.00
24.10.21					
SE					

(Continuation)