House of Ravindra Paswan S/o
L085

Schedule XLV-Form No. 134

कार्यपालक अभियन्ता, सामरी वर्ष [illegible] लेबर कालोनी DIVISION

सहायक अभियन्ता सामरी वर्ष [illegible] SUB-DIVISION

MEASUREMENT BOOK

798

संवेदक → Sunil Ku mar

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कार्यपालक अभियंता
ग्रामीण कार्य विभाग, कार्य प्रभाग
खटीमा

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Ist on A/c Bill

1

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 measurement relating to each work)

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Name of work :- House of Ravindra Paswan to Lintas					
Name of Agency :- Sunil kumar, Ahiyapur Khurdhan, Aurangabad					
Agreement No :- 44 SBD 2021-2022					
Date of Commencement - 17/11/2021					
Date of Completion - 16/11/2022					
Date of Measurement - 04/04/2022					
Work done detail					
(1/1)	Providing & Fixing of working Benchmark Pillars Qty 2 Nos				
	Reference Pillars Qty 4 Nos.				
(2/2)	Cleaning and Grubbing Road Level etc do-de all Complete.				
	2	5	30	3.50	= 1050 m²
	2	7	30	3.50	= 1470 m²
	2	9	30	3.50	= 1890 m²
	2	2	30	3.50	= 420 m²

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2 x 5 x 30 x 3.50 = 1260 m²				
	2 x 7 x 30 x 3.50 = 1470 m²				
	2 x 1 x 25 x 3.50 = 175 m²				
				7735 m²	
				=0.77 Hec.	
(3/7)	Construction of Sub-grade and earthen Shoulder etc do do- all Comp. Job.				
	19 x 30 x (6.92+7.72)/2 x 0.300 = 1243.17				
	7 x 30 x (6.92+7.72)/2 x 0.300 = 453.01				
	1 x 10 x (6.82+7.72)/2 x 0.300 = 21.31 m³				1722.99 m³
	Lead 1000 m				
	1722.99 m³ x 30% = 516.90 m³				
(8)	lead 100 m				
	1722.99 m³ x 70% = 1206.09 m³				
(4/5)	Construction of embankment with approved material etc do do- all Comp. Job.				

CH (m)	d/s Area m²	Means of Area m²	length (m)	Quantity m³
0	1.100	-	-	-
50	0.962	1.031	50	51.550
100	1.344	1.153	50	57.650

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH (100)	c/s Area m^2	Mean c/s Area m^2		length m	Quantity (m^3)
150	1.436	1.390		50	69.500
200	2.205	1.821		50	91.025
250	2.013	2.109		50	105.450
300	5.498	3.751		50	187.525
350	1.832	3.660		50	183.000
400	5.061	3.447		50	172.325
450	3.766	4.414		50	220.675
500	6.229	4.998		50	249.875
550	6.313	6.271		50	313.550
600	1.595	3.954		50	197.700
650	2.446	2.021		50	101.025
700	1.991	2.199		50	109.925
750	1.867	1.909		50	95.450
800	1.756	1.812		50	90.575
850	1.636	1.696		50	84.800
900	0.790	1.213		50	60.650
950	2.247	1.519		50	75.925
1000	1.802	2.055		50	102.725
1050	1.280	1.571		50	78.550
1100	4.049	2.665		50	133.225
1105	5.698	4.854		5	24.268
				E/w	2356.94 m^3
	Deduction Subgrade vide TMBP (2)				1722.99 m^3
	G.S Bed vide TMBP			@ E/W =	651.90 m^3 482.05 m^3
	100m lead				
	482.05 m^3		× 15.47%	=	74.57 m^3

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(6)	Lead 1000m				
	482.05 m^3 x 84.53%				= 407.43 m^3
(5/9)	Construction of gr-				
	-anular Sub-base				
	etc do-do- all comp.				
	5	x 30	x 4.05	x 0.200	= 121.50 m^3
	3	x 30	x 4.05	x 0.200	= 72.90 m^3
	7	x 30	x 4.05	x 0.200	= 170.10 m^3
	2	x 30	x 4.05	x 0.200	= 48.60 m^3
	5	x 30	x 4.05	x 0.200	= 121.50 m^3
	4	x 30	x 4.05	x 0.200	= 97.20 m^3
	1	x 10	x 4.05	x 0.200	= 8.10 m^3
					639.90 m^3
	Extra widening on curve.				
	$\frac{0+8}{2}$	x 15	x 0.200		= 12.00 m^3
					651.90 m^3
(6/24)	Earthwork in excav-				
	-vation etc do-do-				
	all Comp. Job.				
H.W	2	x 2	x 3.90	x 1.15 x 1.50	= 26.91 m^3
Below Pipe	2	x 1	x 5.35	x 1.13 x 0.365	= 4.41 m^3
					31.32 m^3
(7/25)	Providing Concrete				
	for plain etc do-do-				
	all Comp. Job.				
H.W	2	x 2	x 3.90	x 1.15 x 0.150	= 2.69 m^3
Below Pipe	2	x 1	x 5.31	x 1.13 x 0.250	= 3.00 m^3
					5.69 m^3

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
$(\frac{9}{39})$	Providing and laying R.C.C Pipe-NP3 for culvert etc do-do-all Comp.				
	$2 \times 3 \times 2.50 = 15$ R.m.				
$(\frac{9}{28})$	Plain reinforced Cement Concrete etc do-do-all Comp.				
H.W	$2 \times 2 \times 3.60 \times 0.700 \times 2.78 = 28.08^3$				
Parapet	$2 \times 2 \times 3.60 \times 0.400 \times 0.600 = 3.45$				
less for Pipe	$2 \times 2 \times 0.7854 \times 0.830^2 \times 0.530 = 1.14$				
					$30.33 m^3$
$(\frac{10}{24})$	Earthwork in excavation for foundation etc do-do-all Comp.				
Box Culvert	$1 \times 7.50 \times 3.50 \times 0.66 = 17.06 m^3$				
Return wall	$4 \times 3.32 \times 3.42 \times 1.90 = 81.75 m^3$				
					$98.81 m^3$
$(\frac{11}{25})$	Provide Concrete for plain reinforced etc do-do-all Comp. etc.				
Box Culvert	$1 \times 7.50 \times 2.50 \times 0.100 = 1.87 m^3$				
Return wall	$4 \times 3.32 \times 2.42 \times 0.200 = 6.42 m^3$				
					$8.29 m^3$
$(\frac{12}{31})$	Supplying fitting and placing HYSD bar etc do-do-all				

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Comp. Jeb.				
	2 x 44 x 2.74 x 0.62			=	149.49kg
	2 x 21 x 6.24 x 0.62			=	162.48kg
	2 x 46 x 2.76 x 0.89			=	239.26kg
	2 x 46 x 2.7 x 0.62			=	154.00kg
	2 x 44 x 1.42 x 0.89			=	111.21kg
	2 x 42 x 1.15 x 0.39			=	37.67kg
	2 x 44 x 1.42 x 0.39			=	48.73kg
	50 x 6.24 x 0.62			=	193.44kg
					1086.28kg
					= 1.1 m.T
(13/30)	Plain reinforced cement concrete				
	in Substructure etc				
	do-do- all Comp. Jeb.				
	1 x 6.00 x 2.50 x 0.25			=	3.75 m³
	2 x 6.00 x 2.00 x 0.25			=	6.00 m³
	4 x 6.00 x 0.01			=	0.24 m³
					9.99 m³
(14/35)	Supplying fitting and placing HYSD bar etc do-do- all Comp.				
	1 x 46 x 2.50 x 0.89			=	102.35kg
	1 x 20 x 6.24 x 0.62			=	77.37kg
	1 x 20 x 6.24 x 0.62			=	77.37kg
	1 x 46 x 2.45 x 0.62			=	75.57kg
	2 x 12 x 1.06 x 0.89			=	9.92kg

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2 x 4	x 6.74	x 0.67	=	30.95 kg
					373.53 kg
					= 0.37 m.T
(15/34)	Providing and laying reinforced Concrete etc do do all Comp.				
	1 x 2.50	x 6	x 0.15	= 3.75 m³	
	2 x 2.50	x 0.75	x 0.50	= 0.62 m³	
				4.37 m³	
(16/26)	Providing Concrete for plain reinforced Concrete etc do do all comp:				
	4 x 2.92	x 2.017	x 0.20	= 4.71 m³	
	4 x 2.92	x 1.917	x 0.20	= 4.47 m³	
	4 x 2.92	x 1.817	x 0.20	= 4.24 m³	
	4 x 2.92	x 1.717	x 0.20	= 4.01 m³	
	4 x 2.92	x 1.617	x 0.20	= 3.77 m³	
	4 x 2.92	x 1.517	x 0.20	= 3.54 m³	
	4 x 2.92	x 1.417	x 0.20	= 3.31 m³	
	4 x 2.92	x 1.317	x 0.20	= 3.07 m³	
					31.12 m³
(17/28)	Plain reinforced Cement Concrete etc do-do all Comp.				
	4 x 2.92	x 0.73	x 1.78	= 16.21 m³	
(18/33)	Backfilling behind				

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	abutment, return				
	wall etc do do all				
	Comp. job.				
	2	7.92	6.70	0.70	= 7.82 m³
	2	7.92	6.11	1.48	= 63.51 m³
					71.33 m³
Deduct	Filter media			(-)	22.87 m³
					48.46 m³
				Limit	32.98 m³
(19/33)	Providing and laying				
	filter media etc do do				
	all Comp. job.				
	2	6.11	0.60	1.70	= 12.46 m³
	4	2.32	0.60	1.87	= 10.41 m³
					22.87 m³
(20/10)	WBM Grading 3 :				
	Providing Laying,				
	Spreading and Comp.				
	-acting stone etc				
	do do all Comp.				
	2	30	3.75	0.075	= 16.87 m³
	5	30	3.75	0.075	= 42.18 m³
	3	30	3.75	0.075	= 25.31 m³
	5	30	3.75	0.075	= 42.18 m³
	1	30	3.75	0.075	= 8.43 m³
	1	20	3.75	0.075	= 5.62 m³
	2	30	3.75	0.075	= 16.87 m³

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	5 x 30	x 3.75	x 0.075	=	42.18 m^3
	2 x 30	x 3.75	x 0.075	=	16.87 m^3
	1 x 20	x 3.75	x 0.075	=	5.62 m^3
					222.13 m^3
Extra widening on Curve					
	$\frac{0+8}{2}$	x 14	x 0.075	=	4.20 m^3
					226.33 m^3

Passed
04/04/2022
J.E

Passed
04/04/22
AE

Material Statement

E/W = 2205.04 m^3

Stone chips = 701.76 m^3

Coarse Sand = 25.44 m^3

Stone metal = 273.96 m^3

Stone Screening = 54.32 m^3

Reinforcement = 1.47 m.T

Passed
04/04/2022
J.E

Passed
04/04/22
AE

Continuation

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Abstract of Cost

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1/1)	Providing & Fixing of working Benchmark Pillar				
2 Nos	(vide TmBf 1)				
	@ Rs 3549·24			Rs	7098=48
	Refrence Pillar				
4 Nos	(vide TmBf 1)				
	@ Rs 1614=50			Rs	6458=00
(2/2)	cleaning and Grubbing Road land etc.				
0·77 Hec	(vide TmBf 2)				
	@ Rs 52,970·33			Rs	40787·15
(3/10)	Construction of Sub grade and earthen Shoulder etc do do all Comp. Jcb.				
	lead 1000m				
516·90	m3 (vide TmBf 2)				
	@ Rs 192=64			Rs	99265=47
(3)	lead 100m				
1206·09	m3 (vide TmBf 2)				
	@ Rs 131=70			Rs	158239=6
(4/5)	Construction of embankment with approved material etc do do all Comp Jcb.				
	lead 100m				
				Rs	311843=10

Continuation

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Sch. XLV-Form No. 134 B.F. Rs 31848=10

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
74.57 m^3 (Vide TmBf-3)					
	@ Rs 143=20			Rs	10648=42
(6)	Lead 1000 m				
407.43 m^3 (Vide TmBf-4)					
	@ Rs 190=36			Rs	77567=89
(5/9)	Construction of gra-				
	-nular sub-base etc				
	do-do all comp.				
651.90 m^3 (Vide TmBf-4)					
	@ Rs 1799=43			Rs	1173048=41
(6/24)	Earthwork in exca-				
	-vation etc do-do. all				
	comp. job.				
31.32 m^3 (Vide TmBf-4)					
98.81 m^3 (Vide TmBf-5)					
130.13 m^3 @ Rs 279=09				Rs	36317=98
(7/35)	Providing Concrete				
	for plain etc do-do-				
	all Comp. job.				
5.69 m^3 (Vide TmBf-4)					
8.29 m^3 (Vide TmBf-5)					
13.98 m^3 @ Rs 4235=68				Rs	59214=80
(8/39)	Providing and laying				
	RCC pipe NP3 for cul-				
	-vert etc do-do all Comp.				
15 R.m (Vide TmBf-5)					
	@ Rs 2010=99			Rs	30164=85
					Rs 1698840=45

Continuation

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BF Rs 1698840·45

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(9/30)	Plain reinforced cement concrete etc do-do all Comp.				
30.33 m³ (vide TmBP-5)					
16.21 m³ (vide TmBP-7)					
46.54 m³ @ Rs 4958·14					Rs 230751·83
(10/31)	Supplying, filling and placing HYSD bar etc do-do all Comp.				
1.10 m·t (vide TmBP-6)					
@ Rs 49,543·90					Rs 54498·29
(11/30)	Plain reinforced cement concrete etc do-do all Comp.				
9.99 m³ (vide TmBP-6)					
@ Rs 5568·17					Rs 55626·01
(12/35)	Supplying, filling and placing HYSD bar etc do-do all Comp.				
0.37 m·t (vide TmBP-7)					
@ Rs 50673·82					Rs 18749·31
(13/34)	Providing and laying reinforced Concrete etc do-do all Comp.				
4.37 m³ (vide TmBP-7)					
@ Rs 6139·03					Rs 26823·19
(14/26)	Providing Concrete fo				

Rs 2085289·

Continuation

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Sch. XLV-Form No. 134 B.F Rs 2085239:08

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	plain reinforced etc				
	do- do- all Comp.				
31.12	m3 (vide TmBP 7)				
	@ Rs 4757:07				Rs 148040:01
(15/32)	Back filling behind				
	abutment etc do-do-				
	all Comp. rcb.				
32.98	m3 (vide TmBP-8)				
	@ Rs 752:08				Rs 24803:59
(16/33)	Providing and laying				
	filter media etc dood.				
	all Comp. rcb.				
22.87	m3 (vide TmBP-9)				Rs 55480:27
	@ Rs 2425:92				
(17/10)	WBM Grading 3;				
	Providing, laying, Sp.				
	reading and Comp.				
	acting Stone etc do-				
	do- all Comp. rcb.				
226.33	m3 (vide TmBP-9)				
	@ Rs 2607:71				Rs 590203:44
					Rs 2903816:44
	Add 12% G.S.T				Rs 348458:44
	1% L. Cess				Rs 29038:44
					Rs 3281312:44
	Below 11.11%				Rs 364554:44
					Rs 2916758:44

04/04/22 Continued... 04/04/22
J.E AE

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