Schedule XLV— Form No. 124.

No. dt.

BIHAR P. W. D.

E.E. R.W.D. Aurangabad. DIVISION

A.E. Nabinagar. SUB-DIVISION

MEASUREMENT BOOK. No. 2682

Rajesh Kr. Singh
Engg.

Certified That This M.B. Contain [illegible])
ies By Printers Matching And issued
To Sri...Dinesh pd. Singh.....A.E- R.W.D
Work Sub-Div.....Nabinagar.....

Executive Engineer
Rural Works Department
Works Division, Aurangabad
10/7/20

Schedule XLV – Form No. 134.

E.E R.W.D. Aurangabad DIVISION.

A.E. Nabinagar. SUB-DIVISION.

MEASUREMENT BOOK.

2682

23123

Sri Dinesh pd. Singh A.E Nabinagar.

Date of first entry

Date of last entry

निशा. मापनीय ग्रंथ, गया ।

Sch. XLV-Form No. 134 6

Particulars	Details of actual measurement No	L	B	D	Contents of area
Abstract of cost					
① Providing & laying P.C.C. (1:3:6) using 40mm nominal size stone aggregate including curing complete as per direction of Engineer-in-charge.					
1.10 qty as per ① & ②					
@ 3947.57/m³					3948=00
② Providing & laying reinforced cement concrete (1:1.5:3) using 20mm nominal size stone aggregate including curing complete as per direction of Engineer-in-charge.					
.3 mm qty as per ① & ②					
@ 17733.36/m³					5380=00
③ Cleaning & making surface for laying					
0.567 qty as per ① & ②					
@ 49496.70/m²					28065=00
④ Excavation in soft rock by controlled blasting					
11.25 m³ qty as per ③ & ④					
@ 74.1/m³					834=00
⑤ Construction of random rubble masonry in cement mortar 1:6 with materials obtained from source of lead not exceeding 1 km					
Seal wall cement					
6.75 m³ qty as per ① & ⑤					
@ 26.06/m³					176=00
⑥ Construction of random rubble masonry in cement mortar 1:6 with materials obtained from source of lead not exceeding 1 km					
406.62 m³ qty as per ① & ⑥					
@ 130.84/m³					52922=00
⑦ Construction of random rubble masonry in cement mortar 1:6 with materials obtained from source of lead not exceeding 1 km					
409.96 m³ qty as per ① & ⑦					
@ 174.83/m³					71670=00
⑧ Construction of stone pitching on earth & boulder					
1260.00 m² qty as per ① & ⑧					
481.60 m² qty as per ① & ⑧					
1741.60 m² @ 176.47/m²					307340=00
					84,70,335=00

Sch. XLV-Form No. 134 7

Particulars	Details of actual measurement No.	L	B	D	Contents of area
				B/F ₹	4,70,335=00
(9) Granular Sub Base work collect graded material from approved source 514.05 m³ qty wide as per (8) Plate (4) @ ₹ 2560.61/m³					1316297=00
(10) Providing, laying, spreading and compacting clean aggregate conforming to MS-3 177.19 m³ qty wide as per (9) Plate (5) @ ₹ 3785.81/m³					670898=00
(11) Providing and applying primer coat with suitable cationic emulsion SS, 2371.50 m² qty wide as per (8) Plate (3) MS 1778 @ ₹ 41.63/m²					98751=00
(12) Providing and applying tack coat with cationic emulsion RS, 2371.50 m² qty wide as per (8) Plate (3) MS 1778 @ ₹ 14.05/m²					33,320=00
(13) Providing and applying seal coat MSS 2371.50 m² qty wide as per (8) Plate (3) MS 1778 @ ₹ 193.51/m²					4,58,904=00
(14) Casting in position reinforced Plain Cement Concrete Pavement 112.76 m³ qty wide as per (10) Plate (4) TMS @ ₹ 6369.71/m³					718253=00
(15) Laying dense bituminous macadam on pre-soaked sub grade 95 cm² qty wide as per (5) Plate (3) MS 1778 @ ₹ 544.44/m²					51722=00
				B/F ₹	38,17,895=00

Continuation

Sch. XLV-Form No. 134 8

Particulars	Details of actual measurement No.	L	B	D	Contents of area
					38,17,895=00
(16) Ordinary Kilometer Stone					
2 no ply with 9cm (5) Font (19)					MB 1778
@ 2 no	8849	cm	→		41772
(17) 200m Stone					
4 no ply with 6cm (8) font (19)					MB 1778
@	580.42	cm	→		2322=00
(18) Boundary and Fascia 'Logo' of MMGSY Project					
3 no ply with 6cm (7) font (19)					MB 1778
@	9232.44	cm	→		27697=00
(19) Retrieval Cement concrete GM&S grade Level Stone					
2 no ply with 6cm (8) font (19)					MB 1778
@	476.5	cm	→		11436=00
(20) Boomm [illegible]					
8 no ply with 6cm (7) font (20)					MB 1778
@	3703.37	cm	→		29631=00
(21) Steel 600mm Level Stone					
2 no ply with 6cm (15) font					MB 1778
@	6948.76	cm	→		13,898=00
(22) 600mm x 480mm Level Stone					
2 no ply with 6cm (6) font (19)					MB 1778
@	2845.55	cm	→		9691=00
(23) 900mm Steel Old Stone					
2 no ply with 6cm (12) font					MB 1778
@	8871.66	cm	→		17743=00
(24) Road Marking using Hot applied Thermoplastic Emulsion					
124.00 sqm ply with 7cm (15) font (20)					MB 1778
@	7554	sqm	→		91,190=00
					Rs 40,25,680=00

Sch. XLV-Form No. 134 9

Particulars	Details of actual measurement No.	L	B	D	Contents of area
				Brought Forward	40,25,680=00
(25) Providing and laying Thermoplastic Compound on pedestrian					
38.00 m² @ Rate as per (14) Page 26 MB 1778					
@ 830.57/m² →					31,182=00
(26) Planting of Trees of Various Species					
62 Nos @ Rate as per (15) Page 26 MB 1778					
@ 795.64/Each →					49330=00
(27) Excavation in foundation Trenches					
45.46 m³ @ Rate as per (17) Page 28 MB 1778					
@ 260.57/m³ →					11846=00
(28) Providing M15 grade controlled Concrete					
7.45 m³ @ Rate as per (18) Page 28 MB 1778					
@ 9033.14/m³ →					67,497=00
(29) Providing and laying in position Cement Concrete in M5 grade controlled					
48.91 m³ @ Rate as per (19) Page 27 MB 1778					
@ 5874.24/m³ →					287309=00
(30) Providing Carrying and keeping in MB 3 1000 mm Dia					
7.50 m @ Rate as per (21) Page 27 MB 1778					
@ 3768.47/m →					28264=00
(31) Providing Carrying and keeping in MB 3 600 mm Dia					
7.50 m @ Rate as per (20) Page 27 MB 1778					
@ 1022.79/m →					7671=00
(32) Painting with Cement Paint including cleaning Primer Coat					
33.12 m² @ Rate as per (22) Page 21					
@ 275.63/m² →					9167=00
Contd to next →					44,81,946=00

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
(33) Extra excavation in foundation trenches					
111.71 m³ @ Rs 260.55/m³					29111=00
(34) Providing PCC M15 mix using crushed coarse					
7.92 m³ @ Rs 5033.14/m³					39862=00
(35) Providing Concrete in foundation					
33.40 m³ @ Rs 5671.98/m³					189438=00
(36) Supplying and placing HYSD bars					
0.16 MT @ Rs 52881.51/MT					8461=00
(37) Providing and laying in situ Shear wall					
16.22 m³ @ Rs 5874.24/m³					95280=00
(38) Providing and laying in situ M35 concrete					
10.02 m³ @ Rs 6512.24/m³					65252=00
(39) Supplying and placing HYSD bars					
1.01 MT @ Rs 53017.39/MT					53,548=00
(40) Providing and laying in situ M30 concrete					
34.28 m³ @ Rs 6902.24/m³					23667=00
(41) Providing and laying filler material					
in situ M30 concrete					
19.82 m³ @ Rs 3308.01/m³					65,565=00
				Rs	50, 52,124=00

Continued...

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Sch. XLV-Form No. 134

Particulars	No.	L	B	D	Contents of area
			B/F	50,	52,124=00
(42) Providing & laying ... cement					
Concrete in Super Structure					
4.38m³ p/y vide p.76 (36) Page (23) MB1728					
	@ 7099.78/m³			→	31097=00
(43) SP&F and Placing HYSD bar					
0.38MT p/y vide p.76 (35) Page (23) MB1728					
	@ 54039.23/MT			→	20535=00
(44) Plastering ... in super structure					
1.20m³ p/y vide p.76 (33) Page (23) MB1728					
	@ 5874.24/m³			→	7049=00
(45) Providing ... including Prime Coat					
8.96m² p/y vide p.76 (34) Page (23) MB1728					
	@ 95.63/m²			→	857=00
			Rs		51,11,662=00
Add 12%	GST		→		613399=00
Add 1%	Cess		→		51,117=00
			Rs		57,76,178=00
Less 1%	below		G.T.		57761.8=00 / 57618=00
			Rs		57,18,560=00
Less previous payment					1395000=00
			Rs		43,03,560=00

(signature) 15/9/21
JE

Continuation

AGREEMENT VALUE: Part ①: 55,71,176=00
Part ②: 5,98,145=00
₹ 61,19,321=00

∴ 0.12

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
	Abstract of Cost				
① Providing Office, Watch & Guard house complete as per Misc. Item ① Page ⑥					
	@ 3947.07 per sq				3948=00
② Providing Security Fence Pillar 3 nos @ per Misc. Item ⑳ Page ⑤					
	@ 1793.36 per nos				5380=00
③ Clearing & grubbing of woodland 0.527 hec. @ per Misc. Item ③ Page ⑥					
	@ 49,467.26/hec				28065=00
④ Excavation of foundation & trench 11.29 m³ @ per Misc. Item ② Page ⑥					
	@ 74.19/m³				839=00
⑤ Constructing Embankment with approved material					
6.75 m³ @ per Misc. Item ⑤ Page ⑥					
	@ 26.06/m³				176=00
⑥ Constructing Embankment with approved material					
406.42 m³ @ per Misc. Item ⑤ Page ⑥					
	@ 130.86/m³				52922=00
⑦ Constructing Embankment with approved material					
409.54 m³ @ per Misc. Item ⑤ Page ⑥					
	@ 174.80/m³				71670=00
⑧ Construction of Sub-grade consisting of approved material					
1741.60 m³ @ per Misc. Item ⑤ Page ⑥					
105.96 m³ @ per Misc. Item ⑤ Page 26 MB 1778					
1847.54 m³	@ 176.41/m³				326035=00
	Continuation				₹ 4,89,030=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
			Part B/S	4	39030
(9) Granular Sub Base with Good Graded material 535.00 m³ @ 2560.66/m³					13,69,942=00
(10) Providing, laying, spreading and compacting Stone aggregate of 4 mm size 2036.66 m³ @ 3785.81/m³					7701 85=00
(11) Providing and applying Bituminous Coat Cationic Bituminous emulsion SS, 2371.50 m² @ 84.43/m²					98251=00
(12) Providing and applying Tack Coat Cationic Bituminous emulsion 2371.50 m² @ 14.05/m²					33320=00
(13) Providing and laying mix seal Surface 2371.50 m² @ 193.51/m²					458805=00
(14) Construction of non reinforced Plain cement concrete in work 116.28 m³ @ 6367.75/m³					740675=00
(15) Laying boulder soling layer on prepared sub grade 95.00 m² @ 544.44/m²					51722=00
				Rs	40,12,034=00

Continued ...

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
(16) Ordinary Kilometre Stone					
3 mm ply with Sq in (16) Page (8)					
	Cg	2.8849	cm	→	41.77=00
(17) 200 m Stone					
4 mm ply with Sq in (17) Page (8)					
	Cg	380.2	cm	→	2.322=00
(18) Annually and Every Important Place					
3 mm ply with Sq in (18) Page (8)					
	Cg	2732.44	cm	→	27.697=00
(19) Reinforced cement concrete Mile					
Stone Roof Slab					
24 mm ply with Sq in (19) Page (8)					
	Cg	476.57	cm	→	114.36=00
(20) Boom Specialised Stone					
8 mm ply with Sq in (20) Page (8)					
	Cg	3703.87	cm	→	29.631=00
(21) 800 mm × 600 mm Inscription					
21 mm ply with Sq in (21) Page (8)					
	Cg	6568.76	cm	→	13,898=00
(22) Boom Commemorative Inscription					
2 mm ply with Sq in (22) Page (8)					
	Cg	1865.59	cm	→	969.7=00
(23) Boom Signal Station					
2 mm ply with Sq in (23) Page (8)					
	Cg	3871.66	cm	→	17.743=00
(24) Road Marker Cast Iron					
Spherical Thermo Plastic Coating					
124.00 cm² ply with Sq in (24) Page (8)					
	Cg	7385.46	cm	→	91,190=00
					Rs 42,19,819=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
(25) Removal of existing [illegible] applied thermoplastic compound [illegible]					
(26) [illegible]					
(27) [illegible]					
(28) [illegible]					
(29) [illegible]					
(30) [illegible]					
(31) [illegible]					
(32) [illegible]					
(33) [illegible]					

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
			Rate B	47%	5199=00
(34) Providing and laying in position cement concrete 7.92 m³ Qty with 20mm (34) Rate (10) @ Rs 5833.14/m³ →					39862=00
(35) Providing and laying in position cement concrete in open foundation etc 33.40 m³ Qty with 20mm (35) Rate (10) @ Rs 8671.80/m³ →					189438=00
(36) Supplying and placing HYSD bar 0.16 MT Qty with 16mm (36) Rate (10) @ Rs 52 881.51/MT →					8461=00
(37) Providing and laying cement concrete in Sub Structure 11.22 m³ Qty with (37) Rate (10) @ Rs 5874.24/m³ →					~~25456=00~~ 75280=00
(38) Providing and laying in position cement concrete in Sub Structure (Top) 10.02 m³ Qty with 20mm (38) Rate (10) @ Rs 6512.28/m³ →					65252=00
(39) Supplying and placing HYSD bar 1.01 MT Qty with 16mm (39) Rate (10) @ Rs 53 019.85/MT →					53548=00
(40) Providing and laying in position cement concrete 34.28 m³ Qty with 20mm (40) Rate (10) @ Rs 6901.24/m³ →					236680=00
(41) Providing and laying in position cement concrete in Sub Structure (Wall) 19.82 m³ Qty with 20mm (41) Rate (10) @ Rs 3308.41/m³ →					65565=00
				Rs 52	46273=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
		Brought	Rs	52,46,273=00	
(42) Providing and laying reinforced cement concrete in substructure 4.38 m³ @ 1:1½:3 using 6 mm (12) Rate (11)					
@ 7099.78/m³ →					31097=00
(43) Providing and placing M 25 concrete in reinforcement in substructure 0.38 MT @ using 16 mm (13) Rate (11)					
@ 54039.23/MT →					20535=00
(44) Cutting chases in walls/partitions and filling with cement concrete in suitable mix 4.00 m³ @ using 6 mm (12) Rate (29) MBI 118					
@ 5874.24/m³ →					23497=00
(45) Raking out joints in brick work and preparing surface for plastering					
27.65 m² @ using 6 mm (13) Rate (29) MBI 118					
@ 95.63/m² →					2644=00
(46) Providing and laying in position ready mix cement concrete in suitable mix using 6 mm (46) Rate (25) MBI 118					
@ 898.57/m →					26957=00
		Rs			53,51,003=00
Add 12% GST → Rs					6421203=00
Add 1% L Cess →					53,510=00
		Rs			60,46,633=00
Less 1% Labour Cess →					60,663=00
		Rs			54,41,970=00
Less Security Deposit @ 10%					395000=00
		Rs			95,46,970=00

JE

Contractor

Sch. XLV-Form No. 134 10

Particulars	Details of actual measurement No.	L	B	D	Contents of area
Abstract of cost					
(1) [illegible]					
[illegible]					
	@ [illegible]				384800
(2) [illegible]					
[illegible]					
	@ [illegible]				53800
(3) Clearing of [illegible] land					
0.567 Hec. [illegible]					
	@ [illegible]				28065
(4) Excavation [illegible]					
$11.25 m^3$ [illegible]					
	@ [illegible]				834
(5) Construction [illegible]					
$6.75 m^3$ [illegible]					
	@ 26.06/m^3				176
(6) Construction [illegible]					
[illegible] material					
$316.675 m^3$ [illegible]					
	@ 130.86/m^3				41440
(7) Construction [illegible]					
[illegible] material					
$316.675 m^3$ [illegible]					
	@ 174.5/m^3				55355
(8) Construction [illegible]					
$1847.54 m^3$ [illegible]					
	@ 176.47/m^3				326035
(9) Granular sub base [illegible]					
[illegible] graded material					

Continued 4,61,233

Sch. XLV-Form No. 134 19

Particulars	Details of actual measurement No.	L	B	D	Contents of area
			B/F		461233=00
526.45 m² plinth area @					MB 1778
	@ 2520.64/m²				→ 1348049=00
(10) Providing & applying damp proof course of approved quality 1.5 mm thick					
178.13 m² plinth area @					MB 1778
	@ 378.96/m²				→ 67476=00
(11) Providing & applying primer coat with synthetic emulsion SS,					
2371.50 m² plinth area @					Note (13)
	@ 41.43/m²				→ 98251=00
(12) Providing & applying putty (2 coats) with synthetic emulsion RS,					
2371.50 m² plinth area @					(12) Note (13)
	@ 140/m²				→ 332100=00
(13) Providing & applying plastic emulsion SS with Synthetic SS					
2371.50 m² plinth area @					(13)
	@ 193.70/m²				→ 459090=00
(14) Providing & laying in position readymixed plain cement concrete (1:2:4) using 10 mm nominal					
116.28 m³ plinth area @					(14) Note (13)
	@ 6369.75/m³				→ 740675=00
(15) Laying brick soling (laying on prepared sub grade)					
95.60 m² plinth area @					(15) Note (13)
	@ 574.04/m²				→ 54922=00
			B/F	3866	525=00

Contd...

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
					3866.525=00
(16)					
					4177=00
(17)					
					2322=00
(18)					
					27697=00
(19)					
					11436=00
(20)					
					2963.1=00
(21)					
					13,898=00
(22)					
					769.1=00
(23)					
					17747=00
(24)					
					91,190=00

Continued : Rs 4074910=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No	L	B	D	Contents of area
1 (25)					
(26)					
(27)					
(28)					
(29)					
(30)					
(31)					
(32)					
(33)					

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Particulars	Details of actual measurement No.	L	B	D	Contents of area
					45596.90 m³
(34) Providing, placing, carefully conveying 7.92 m³ plain/reinforced (37) of (16)					@ ₹ 3073.14/m³ = ₹ 3986 = 00
(35) Providing, concreting, placing, steel fibre reinforced Concrete in open foundation 33.60 m³ plain/reinforced (38) of (16)					@ ₹ 5271.80/m³ = ₹ 177138 = 00
(36) Supplying and fixing HYSD bar 0.018 MT plain/reinforced (39) of (16)					@ ₹ 52881.51/MT = ₹ 961 = 00
(37) Placing, vibrating and compacting concrete in duct/shaft/well 15.22 m³ plain/reinforced (38) of (16)					@ ₹ 5876.24/m³ = ₹ 95250 = 00
(38) Placing, vibrating and compacting Concrete in Substructure 10.02 m³ plain/reinforced (38) of (16)					@ ₹ 6512.74/m³ = ₹ 65252 = 00
(39) Supplying and fixing HYSD bar 1.01 MT plain/reinforced (39) of (16)					@ ₹ 5307.35/MT = ₹ 5358 = 00
(40) Providing, fixing and placing Reinforcement as per drawing 24.28 m³ plain/reinforced (40) of (16)					@ ₹ 680.24/m³ = ₹ 23668 = 00
(41) Providing and placing, fixing Medium Reinforcement as per drawing 19.82 m³ plain/reinforced (41) of (16)					@ ₹ 3308.01/m³ = ₹ 65565 = 00
					₹ 5100764 = 00

Continued...

Sch. XLV-Form No. 134 23

Particulars	No.	L	B	D	Contents of area
		B/F Rs 5100764=00			
(42) Providing and laying reinforced Cement concrete in super structure 4.138 m3 qty vide item (42) Page (15) @ 7499.78/m3 →					31097=00
(43) Supply and placing HYSD bar reinforcement in super structure 0.38 MT qty vide item (43) Page (15) @ 54039.23/MT →					20535=00
(44) Construction of plain/reinforced Cement concrete in sub structure 4.00 m3 qty vide item (44) Page (15) @ 5874.24/m3 →					23497=00
(45) Plastering of parapet wall 27.65 m2 qty vide item (45) Page (15) @ 95.63/m2 →					2644=00
(46) Providing laying reinforced cement concrete in m/e ... 30 m qty vide item (46) Page (15) @ 898.57/m →					26957=00
				Rs 52 05	494=00
Add 12% GST →				6 24 6	59=00
Add 1% L-Cess →				5 2 0	55=00
			Rs	58, 82	, 208=00
Less 1% of Below Bid				5 88	221=00
			Rs	52, 93	, 987=00
Less previous payment (CR1)				39 5	000=00
			Rs	13 43	,98,987=00
JE 31/7/21			AE 31/07/21		CBP 31/7/21

Continuation