

A1.1 Clearing and Grubbing									
SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
2.3	Clearing and Grubbing Road Land. (Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness.)								
(ii)	By Mechanical Means								
A	In area of light jungle					52.89	hectare	32,325	1,709,669
B	In area of thorny jungle						hectare	39,635	0
						TOTAL	52.89	hectare	1,709,669

**A1.2 Dismantling of Structures**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
<b>A.1.2.1</b>	<b>Dismantling of Structures</b>								
2.4	<b>Dismantling of Structures</b> (Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres)								
(i)	Lime /Cement Concrete								
II	By Mechanical Means for items No. 202( b ) & ( c )								
A	Cement Concrete Grade M-15 & M-20					238	cum	751	178,376
(iii)	Dismantling Stone Masonry								
B	Rubble stone masonry in cement mortar.					3,289	cum	473	1,555,564
1.1	<b>Loading and unloading of stone boulder/stone aggregates/sand/ kanker/moorum.</b> (Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip)						cum	190	0
1.6	<b>Cost of Haulage Excluding Loading and Unloading For Short Haul for a distance upto 100 km</b>		Lead (km)						
(i)	Surfaced Road		2.5			5,642	tonne.km	10.50	148,102
									<b>1,882,042</b>
<b>SUB TOTAL</b>									
<b>A.1.2.2</b>	<b>Dismantling of Flexible Pavemets</b>								
2.5	<b>Dismantling of Flexible Pavements</b> (Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately)								
II	By Mechanical Means								
A	Bituminous course					1,578	cum	455	717,880
1.1	<b>Loading and unloading of stone boulder/stone aggregates/sand/ kanker/moorum.</b> (Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip)						cum	190	0
1.6	<b>Cost of Haulage Excluding Loading and Unloading For Short Haul for a distance upto 100 km</b>		Lead (km)						
(i)	Surfaced Road		2.5			2,524	tonne.km	10.50	66,266
									<b>784,146</b>
<b>SUB TOTAL</b>									
<b>TOTAL</b>									
						<b>1</b>	<b>LS</b>		<b>2,666,188</b>

A1.3 Cutting of Trees									
SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
2.1	<b>Cutting of Trees, including Cutting of Trunks, Branches and Removal</b> (Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all lifts and up to a lead of 1000 mtrs and earth filling in the depression/pit.)								
(i)	Girth from 300 mm to 600 mm					462	each	381	176,103
(ii)	Girth from 600 mm to 900 mm					280	each	694	194,453
(iii)	Girth from 900 mm to 1800 mm					90	each	3,802	343,752
(iv)	Girth above 1800 mm					19	each	7,597	147,348
						<b>TOTAL</b>	<b>852</b>	<b>each</b>	<b>861,656</b>

**A2.1 Excavation in Soil**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
3.30	<b>Excavation in Hilly Areas in Ordinary Soil By Mechanical Means</b> (Excavation in ordinary soil in hilly area by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with all lifts and lead .)								
	Case-I : Disposal of cut material with all lifts and lead upto 1000 metres.					29,642	cum	180	5,335,560
	Case-II: Disposing cut material on the valley side						cum	85	0
1.1	<b>Loading and unloading of stone boulder/stone aggregates/sand/kanker/moorum.</b> (Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip)						cum	190	0
1.6	<b>Cost of Haulage Excluding Loading and Unloading For Short Haul for a distance upto 100 km</b>		Lead (km)						
(i)	Surfaced Road		2.5			53,356	tonne.km	10.50	1,400,585
<b>TOTAL</b>						<b>29,642</b>	<b>cum</b>		<b>6,736,145</b>

**A2.2 Excavation in Ordinary Rock**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
<b>A.2.2.1</b>	<b>Excavation in Ordinary Rock not Requiring Blasting</b>								
3.31	<b>Excavation in Hilly Area in Ordinary Rock by Mechanical Means not Requiring Blasting.</b> (Excavation in hilly area in ordinary rock not requiring ballasting by mechanical means including cutting and trimming of slopes and disposal of cut material.)								
	Case-I : Disposal of cut material with all lifts and lead upto 1000 metres.					961,643	cum	276	265,413,330
	Case-II: Disposing cut material on the valley side						cum	146	0
1.1	<b>Loading and unloading of stone boulder/stone aggregates/sand/ kanker/moorum.</b> (Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip)						cum	190	0
1.6	<b>Cost of Haulage Excluding Loading and Unloading For Short Haul for a distance upto 100 km</b>		Lead (km)						
(i)	Surfaced Road		2.5			1,730,957	tonne.km	10.50	45,437,608
<b>SUB TOTAL</b>						<b>961,643</b>	<b>cum</b>		<b>310,850,938</b>
<b>A.2.2.2</b>	<b>Excavation in Ordinary Rock Requiring Blasting</b>								
3.32	Excavation in Hilly Areas in laminated rock (requiring blasting) By Mechanical Means (Excavation for roadway in hilly areas in laminated rock (requiring blasting) which are not suitable for construction of masonry and pavement by drilling, blasting and breaking, trimming of bottom and side slopes in accordance with requirements of lines, grades and cross sections, loading and disposal of cut road with in all lifts and leads upto 1000 metres.)								
	Case-I : Disposal of cut material with all lifts and lead upto 1000 metres.					0	cum	360	0
	Case-II: Disposing cut material on the valley side						cum	269	0
1.1	<b>Loading and unloading of stone boulder/stone aggregates/sand/ kanker/moorum.</b> (Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip)						cum	190	0
1.6	<b>Cost of Haulage Excluding Loading and Unloading For Short Haul for a distance upto 100 km</b>		Lead (km)						
(i)	Surfaced Road		2.5			0	tonne.km	10.50	0
<b>SUB TOTAL</b>						<b>0</b>	<b>cum</b>		<b>0</b>
<b>TOTAL</b>						<b>961,643</b>	<b>cum</b>		<b>310,850,938</b>

**A2.3 Excavation in Hard Rock**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
3.33	<b>Excavation in Hilly Areas in Hard Rock Requiring Blasting</b> (Excavation in hilly areas in hard rock requiring blasting, by mechanical means including trimming of slopes and disposal of cut material.)								
	Case-I : Disposal of cut material with all lifts and lead upto 1000 metres.					51,903	cum	511	26,522,178
	Case-II: Disposing cut material on the valley side						cum	381	0
1.1	<b>Loading and unloading of stone boulder/stone aggregates/sand/kanker/moorum.</b> (Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip)						cum	190	0
1.6	<b>Cost of Haulage Excluding Loading and Unloading For Short Haul for a distance upto 100 km</b>		Lead (km)						
(i)	Surfaced Road		2.5			93,425	tonne.km	10.50	2,452,393
<b>TOTAL</b>						<b>51,903</b>	<b>cum</b>		<b>28,974,571</b>

**A2.4 Excavation for Structures in Soil**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
3.11	<b>Excavation for Structures</b> (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.)								
(i)	Ordinary soil								
B	Mechanical Means (Depth upto 3 m)					694	cum	79	54,826
<b>TOTAL</b>						<b>694</b>	<b>cum</b>		<b>54,826</b>

**A2.5 Excavation for Structures in Ordinary Rock**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
3.11	<b>Excavation for Structures</b> (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.)								
(ii)	Ordinary rock (not requiring blasting)								
B	Mechanical Means					37,542	cum	105	3,941,858
<b>TOTAL</b>						<b>37,542</b>	<b>cum</b>		<b>3,941,858</b>

**A2.6 Excavation for Structures in Hard Rock**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
3.11	<b>Excavation for Structures</b> (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work.)								
(iii)	Hard rock ( requiring blasting )								
A	Manual Means					3,896	cum	889	3,463,100
<b>TOTAL</b>						<b>3,896</b>	<b>cum</b>		<b>3,463,100</b>

**A2.7 Embankment Construction**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
3.15	<b>Construction of Embankment with Material Deposited from Roadway Cutting</b> (Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of table 300-2)					217,815	cum	189	41,167,035
<b>TOTAL</b>						<b>217,815</b>	<b>cum</b>		<b>41,167,035</b>

**A2.8 Scarifying Existing Bituminous Surface**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
3.13	<b>Scarifying existing bituminous surface to a depth of 50 mm by mechanical means</b> (Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all lifts and lead upto 1000 metres.)					16,880	sqm	19	320,720
<b>TOTAL</b>						<b>16,880</b>	<b>sqm</b>		<b>320,720</b>

**A2.9 Subgrade**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
3.16	<b>Construction of Subgrade and Earthen Shoulders</b> (Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300-2)					31,292	cum	473	14,801,116
<b>TOTAL</b>						<b>31,292</b>	<b>cum</b>		<b>14,801,116</b>

**A3.1 Granular Sub-base**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
4.1	<b>Granular Sub-base with Close Graded Material (Table:- 400-1)</b>								
A	<b>Plant Mix Method</b> (Construction of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 )								
(i)	for grading- I Material						cum	3,016	0
(ii)	for grading- II Material					119,353	cum	3,081	367,726,593
(iii)	for grading-III Material						cum	2,852	0
<b>TOTAL</b>						<b>119,353</b>	<b>cum</b>		<b>367,726,593</b>

**A3.2 Wet Mix Macadam**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
4.12	<b>Wet Mix Macadam</b> (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.)					96,824	cum	3,112	301,316,288
<b>TOTAL</b>						<b>96,824</b>	<b>cum</b>		<b>301,316,288</b>

**A3.3 Prime Coat**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
5.1	<b>Prime coat</b> (Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate shown in 500-1 using mechanical means.)								
i) Low Porosity						387,298	sqm	44	17,041,112
<b>TOTAL</b>						<b>387,298</b>	<b>sqm</b>		<b>17,041,112</b>

**A3.4 Tack Coat**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
5.2	<b>Tack coat</b> (Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at required rate on the prepared bituminous/granular surface cleaned with mechanical broom.)								
i)	Normal Bituminous Surface					380,438	sqm	20	7,608,760
iii)	Granular Surface Treated with Primer						sqm	27	0
<b>TOTAL</b>						<b>380,438</b>	<b>sqm</b>		<b>7,608,760</b>



**A3.5 Dense Graded Bituminous Macadam**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
5.4	<b>Dense Graded Bituminous Macadam</b> (Providing and laying dense bituminous macadam with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 507 complete in all respects.)								
(ii)	for Grading II (19 mm nominal size)					38,044	cum	13,335	507,316,740
<b>TOTAL</b>						<b>38,044</b>	<b>cum</b>		<b>507,316,740</b>

**A3.6 Bituminous Concrete**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
5.5	<b>Bituminous Concrete</b> (Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 % of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects)								
	Case-I Using Bitumen 60/70 grade								
(i)	for Grading-I ( 13 mm nominal size )					15,118	cum	14,934	225,772,212
<b>TOTAL</b>						<b>15,118</b>	<b>cum</b>		<b>225,772,212</b>

**A3.7 Surface Dressing**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
5.6	<b>Surface Dressing</b> (Providing and laying surface dressing as wearing course in single coat using crushed stone aggregates of specified size on a layer of bituminous binder laid on prepared surface and rolling with 8-10 tonne smooth wheeled steel roller)								
	Case-I: 19 mm nominal chipping size					1,493	sqm	138	206,015
<b>TOTAL</b>						<b>1,493</b>	<b>sqm</b>		<b>206,015</b>

**A3.8 Carriage of Materials**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
-	<b>Cost of Haulage for Granular Sub-base</b>								
	i) Aggregate			119,353	1.28	152,772	cum	359.15	54,868,287
	ii) Sand						cum	286.79	0
	iii) Lime/Filler						cum	2,434.67	0
	iv) Bitumen						tonne	1,981.50	0
-	<b>Cost of Haulage for Wet Mix Macadam</b>								
	i) Aggregate			96,824	1.32	127,808	cum	359.15	45,902,363
	ii) Sand						cum	286.79	0
	iii) Lime/Filler						cum	2,434.67	0
	iv) Bitumen						tonne	1,981.50	0
-	<b>Cost of Haulage for Dense Graded Bituminous Macadam</b>								
	i) Aggregate			38,044	1.44	54,783	cum	359.15	19,675,544
	ii) Sand			38,044	0.45	17,120	cum	286.79	4,909,703
	iii) Lime/Filler			38,044	0.02	761	cum	2,434.67	1,852,489
	iv) Bitumen			38,044	0.1	3,804	tonne	1,981.50	7,538,419
-	<b>Cost of Haulage for Bituminous Concrete</b>								
	i) Aggregate			15,118	1.46	22,072	cum	359.15	7,927,300
	ii) Sand			15,118	0.45	6,803	cum	286.79	1,951,028
	iii) Lime/Filler			15,118	0.02	302	cum	2,434.67	736,146
	iv) Bitumen			15,118	0.12	1,814	tonne	1,981.50	3,594,758
<b>TOTAL</b>						<b>1</b>	<b>LS</b>		<b>148,956,036</b>

**A7.1 Traffic Sign**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
8.4	Retro- reflectorised Traffic signs (Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing)								
(i)	90 cm equilateral triangle					1	each	10,001	14,921
(ii)	60 cm equilateral triangle					3	each	6,187	16,615
(iii)	60 cm circular					4	each	8,684	31,095
(iv)	80 mm x 60 mm rectangular					3	each	12,556	37,466
(v)	60 cm x 45 cm rectangular					6	each	8,428	50,297
(vi)	60 cm x 60 cm square					4	each	10,197	45,641
<b>TOTAL</b>						<b>21</b>	<b>each</b>		<b>196,036</b>

**A7.2 Road Marking**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
8.13	<b>Road Marking with Hot Applied Thermoplastic Compound with Reflectorisng Glass Beads on Bituminous Surface</b> (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorisng glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.)					8,419	sqm	1,201	10,111,440
<b>TOTAL</b>						<b>8,419</b>	<b>sqm</b>		<b>10,111,440</b>

**A7.3 Road Delineator**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
8.15	<b>Road Delineators</b> (Supplying and installation of delineators (road way indicators, hazard markers, object markers), 80-100 cm high above ground level, painted black and white in 15 cm wide stripes, fitted with 80 x 100 mm rectangular or 75 mm dia circular reflectorised panels at the top, buried or pressed into the ground and confirming to IRC-79 and the drawings.)					30	each	4,336	129,384
<b>TOTAL</b>						<b>30</b>	<b>each</b>		<b>129,384</b>

**A7.4 Guard Rail**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
8.23	<b>Metal Beam Crash Barrier</b>								
A	Type - A, "W" : Metal Beam Crash Barrier (Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level, all steel parts and fittings to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 810)					2,984	metre	5,742	17,133,779
<b>TOTAL</b>						<b>2,984</b>	<b>metre</b>		<b>17,133,779</b>

**A7.5 Street Furniture**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
8.35	Road Markers/Road Stud with Lense Reflector (Providing and fixing of road stud 100x 100 mm, die cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS 873 part 4:1973)					3,740	each	1,317	4,925,278
<b>TOTAL</b>						<b>3,740</b>	<b>each</b>		<b>4,925,278</b>

**A8.1 Kilometer Stone (5km)**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	Q'TY	UNIT	RATE (Rs)	AMOUNT (Rs)
8.14	Kilo Metre Stone (Reinforced cement concrete M15grade kilometre stone of standard design as per IRC:8-1980, fixing in position including painting and printing etc)								
(i)	5th kilometre stone (precast)					7	each	5,567	36,545
<b>TOTAL</b>						<b>7</b>	<b>each</b>		<b>36,545</b>

**A8.2 Kilometer Stone (1km)**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	Q'TY	UNIT	RATE (Rs)	AMOUNT (Rs)
8.14	Kilo Metre Stone (Reinforced cement concrete M15grade kilometre stone of standard design as per IRC:8-1980, fixing in position including painting and printing etc)								
(ii)	Ordinary Kilometer stone (Precast)					27	each	3,358	91,183
<b>TOTAL</b>						<b>27</b>	<b>each</b>		<b>91,183</b>

**A8.3 Kilometer Stone (200m)**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	Q'TY	UNIT	RATE (Rs)	AMOUNT (Rs)
8.14	Kilo Metre Stone (Reinforced cement concrete M15grade kilometre stone of standard design as per IRC:8-1980, fixing in position including painting and printing etc)								
(iii)	Hectometer stone (Precast)					135	each	919	123,949
<b>TOTAL</b>						<b>135</b>	<b>each</b>		<b>123,949</b>

**A8.4 Boundary Stone**

SOR. NO.	DESCRIPTION	NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	Q'TY	UNIT	RATE (Rs)	AMOUNT (Rs)
8.16	Boundary pillar (Reinforced cement concrete M15 grade boundary pillars of standard design as per IRC:25-1967, fixed in position including finishing and lettering but excluding painting)					674	each	862	581,307
<b>TOTAL</b>						<b>674</b>	<b>each</b>		<b>581,307</b>

### A8.5 Bus Bay and Road Amenity

SOR. NO.	DESCRIPTION					NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	Q'TY	UNIT	RATE (Rs)	AMOUNT (Rs)
No.	Description of Work	Thickness	Area (m2)	Qty	Rate	Amount							
1	Earth Work Excavation	10	1,026.88	10,268.80	144.00	1,478,707							
2	GSB	0.25	990.00	247.50	2,545.47	630,004							
3	WMM	0.25	990.00	247.50	3,952.00	978,120							
4	Prime Coat	1	990.00	990.00	41.04	40,630							
5	Tack Coat	2	990.00	1,980.00	16.09	31,858							
6	DBM	0.055	990.00	54.45	11,856.77	645,601							
7	SDBC	0.025	990.00	24.75	12,471.81	308,677							
	Sub Total					4,113,597							
8	Bus Shed			2	500,000.00	1,000,000							
9	Public Toilet			1	181,150.00	181,150							
10	Bazar Shed			1	277,220.00	277,220							
	Bus Bay Unit Cost					5,571,967							
	<b>Bus Bay Unit Cost in Lac</b>					<b>55.7</b>							
										4	each	5,571,967.00	22,287,868
									<b>TOTAL</b>	<b>4</b>	<b>each</b>		<b>22,287,868</b>

### A8.6 View Point

SOR. NO.	DESCRIPTION					NO. (each)	LENGTH (m)	WIDTH (m)	HEIGHT (m)	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)
No.	Description of Work	Thickness	Area (m2)	Qty	Rate	Amount							
1	Earth Work Excavation	10	125.00	1,250.00	144.00	180,000							
2	GSB	0.25	125.00	31.25	2,545.47	79,546							
3	WMM	0.25	125.00	31.25	3,952.00	123,500							
4	Prime Coat	1	125.00	125.00	41.04	5,130							
5	Tack Coat	2	125.00	250.00	16.09	4,023							
6	DBM	0.055	125.00	6.88	11,856.77	81,515							
7	SDBC	0.025	125.00	3.13	12,471.81	38,974							
	Sub Total					512,688							
	Bus Bay Unit Cost					512,688							
	Bus Bay Unit Cost in Lac					5.1							
										2	each	512,688.00	1,025,376
										2	each		1,025,376