

**Provincial Ministry of Highways
Southern Provincial Road Development Authority
Highway Schedule of Rates**

Summary

2024

Galle 1st Half

ItemCode	Description	Unit	Rate
	Equipment[Wet Hire]		
B1-101	Tar Boiler (Heating with firewood) (Less Operator)[Wet Lease]	Day	810.00
B1-102	Concrete / asphalt mixer (400 ltrs)[Wet Lease]	Day	14,169.60
B1-104	Water tank+50mm pump (Less Operator)[Wet Lease]	Day	4,675.20
B1-105	Welding plant engine driven w/welder[Wet Lease]	Day	37,205.75
B1-106	Porker vibrator (90 kg) (Less Operator)[Wet Lease]	Day	4,959.85
B1-107	Plate Compactor(90 kg) (Less Operator)[Wet Lease]	Day	10,890.80
B1-108	Vibrating rammer (60kg)(Less Operator)[Wet Lease]	Day	10,462.95
B1-109	Vibrating roller (1/2-1 ton)[Wet Lease]	Day	13,691.70
B1-110	Vibrating roller (smooth -10 tons)[Wet Lease]	Day	61,944.00
B1-111	Smooth/road roller (8-10 tons) static[Wet Lease]	Day	33,268.80
B1-112	Pneumatic road roller (8-10 tons)[Wet Lease]	hour	12,411.75
B1-113	Motor grader (65 HP)[Wet Lease]	Day	70,654.10
B1-114	Motor grader (120-140 HP)[Wet Lease]	Day	125,580.70
B1-115	Backhoe loader (JCB)[Wet Lease]	Day	63,934.10
B1-116	Wheel loader (1.4 cu.m)[Wet Lease]	Day	68,595.85
B1-116A	Wheel Loader (1.7 cu.m)[Wet Lease]	Day	86,181.10
B1-117	Tractor & trailer (3 Ton)[Wet Lease]	Day	18,329.60
B1-118	Lorry /Tipper/ Dump truck (exceeding 10 Km)- Rate for 1 Km[Wet Lease]	m3.km	45.70
B1-118A	Hired Lorry/Tipper/ Dump truck (exceeding 10 Km)[Wet Lease]	m3.km	45.70
B1-119	Lorry /Tipper /Dump truck (more than 3 km & less than 10km)- Rate for 1 km[Wet Lease]	m3.km	79.07
B1-119A	Lorry /Tipper /Dump truck (more than 3 km & less than 10km.Distances)[Wet Lease]	m3.km	76.90
B1-120	Transport of premix by dump truck-Rate for 1 Km[Wet Lease]	Km.m.t	25.90
B1-120A	Transport of Emulsion per 100 litres[Wet Lease]	km /100ltr	7.96
B1-120B	Premix by hired dump truck[Wet Lease]	Km.m.t	19.36
B1-121	Sand/chip spreader-propelled[Wet Lease]	Day	84,024.00
B1-122	Farm tractor & broom[Wet Lease]	Day	28,171.25
B1-123	Emulsion sprayer self prop.(4000 litres)[Wet Lease]	Day	26,284.80
B1-124	Wheel loader (2.7-3.1 cu.m)[Wet Lease]	Day	111,806.40
B1-124A	Wheel loader (2.0-2.3 cu.m)[Wet Lease]	Day	102,097.35
B1-125	Lorry 3 ton (2.5cu.m)[Wet Lease]	km	123.70

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B1-126	Lorry 5 ton (3.5 cu.m)[Wet Lease]	km	155.83
B1-127	Lorry 7 ton (4.5 cu.m)[Wet Lease]	km	178.50
B1-128	Water bowser (6000 litres)[Wet Lease]	Day	23,112.00
B1-129	Asphalt paver (crawler)[Wet Lease]	hour	18,947.40
B1-129A	Asphalt paver (Wheel)[Wet Lease]	hour	19,637.05
B1-130A	Low Bed Trailor (30 Ton)[Wet Lease]	km	277.07
B1-131	Prime mover old (for 20000 L tanker)[Wet Lease]	hour	18,449.40
B1-131A	Prime mover new (for 30 t trailer)[Wet Lease]	hour	31,409.40
B1-131B	Prime mover new (for 30 ton trailer) (Distance basis)[Wet Lease]	km	683.75
B1-132	Baby dumper 75 cu.m (Less Operator)[Wet Lease]	hour	6,498.00
B1-133	Water pump 4"(with Operator)[Wet Lease]	hour	2,740.20
B1-133A	Water pump 2" (less operator)[Wet Lease]	hour	589.20
B1-134	Sludge pump 4"(with Operator)[Wet Lease]	hour	4,109.90
B1-135	Vibrating Roller (6-7 tons) tandem[Wet Lease]	hour	10,520.40
B1-136	Concrete mixer with weigh batcher 14/10 *[Wet Lease]	Day	19,288.30
B1-139	Road marker hand cart gas heater[Wet Lease]	hour	3,847.20
B1-140	Bitumen distributor 750 litres[Wet Lease]	hour	5,384.30
B1-140A	Bitumen Distributor 4500 ltr[Wet Lease]	hour	11,404.80
B1-141	Tank truck bitumen 10000 Ltr[Wet Lease]	hour	14,002.95
B1-142	Crusher stone 40t/h[Wet Lease]	hour	30,205.20
B1-143	Track drill crawler[Wet Lease]	hour	4,982.40
B1-144	Compressor air 750 cfm[Wet Lease]	hour	20,707.80
B1-145	Slurry sealing Machine[Wet Lease]	hour	33,067.20
B1-146	Mobile Crane (25 ton)[Wet Lease]	hour	28,054.20
B1-146A	Mobile Crane (30 Ton)[Wet Lease]	hour	29,241.00
B1-147	Asphalt plant 60t/h hot mix[Wet Lease]	hour	50,166.00
B1-147A	Cold mix plant 30 t/h[Wet Lease]	hour	29,929.80
B1-148	Lorry 10 ton[Wet Lease]	km	240.82
B1-149	Pick up truck 2 WD[Wet Lease]	km	166.72
B1-150	Farm tractor with water bowser[Wet Lease]	hour	3,185.20
B1-151	Lorry 17 ton Self Loading (wet)[Wet Lease]	km	702.24
B1-152	Tractor with Emulsion Bowser[Wet Lease]	hour	3,228.85
B1-153	Emulsion Tank Truck (8000litres)[Wet Lease]	km	548.62
B1-154	Dozer (Crawler Tractor)D-4 D-41(80-100Hp)[Wet Lease]	hour	13,636.90
B1-155	Excavator Mobile[Wet Lease]	hour	10,254.00
B1-156	Air Compressor 250 CFM[Wet Lease]	hour	8,482.65
	Transport		
T1-001	Transport of Soil 25m to 100m by any means	m3	980.93
T1-002	Transport 100m to 0.5km by Any Means(Excluding Loading)	m3	733.18

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ItmCode	Description	Unit	Rate
T1-003	Transport .5 km to 1 km by any means (Excluding Loading)	m3	785.55
T1-003A	Transport .5 km to 1 km by any means (Excluding Loading)	m3	785.55
T1-003B	Transport of each subsequent 1km to 8 km by Any Means (Excluding Loading)	m3	122.20
T1-003C	Transport of Each Subsequent 1km beyond 8km by Any Means (Excluding Loading)	m3	87.28
T1-003D	Metal Transport 10 Km	m3.km	181.55
T1-006	Transport of Meterial in Bulk Excluding Loading (for distance less than or equal 3 kilometers)	m3	237.20
T1-007	Transport of Material in Bulk Excluding Loading(from 3km to 10 kilometer distance)	m3.km	79.07
T1-007A	Transport of Material in Bulk Excluding Loading (for distances more than 10 kilometers)	m3.km	79.07
T1-007B	Transport of Material in Bulk Excluding Loading (For distance more than 10 km Distance)	m3.km	45.70
T1-007C	Transport of Material in Bulk Excluding Loading (For 20km distance)	m3	913.92
T1-009	Transport of Premix in Bulk, Excluding Loading other than at Mixing Plant	Km.mt	25.90
T1-010	Transport of barraels of bitumen for 1st km of Transport (Excluding Loading and Unloading)	No	111.80
T1-010A	Transport of Barrels of Bitumen for First 1.0km of Transport(Excluding Loading and Unloading))	Brl	112.02
T1-010B	Transport of Barrels of Bitumen for Each Subsequent 1.0km From 1.0km - 8.0km (Excluding Loading and Unloading)	No	22.56
T1-010C	Transport of Barrels of Bitumen for Each Subsequent 1.0km Beyond 8.0km (Excluding Loading and Unloading)	BrlKm	17.98
T1-013	Loading Barrels of Bitumen Inclusive of Rolling upto 25m	Brl	60.90
T1-014	Unloading Barrels of Bitumen Inclusive of Rolling and Stacking	Brl	26.10
T1-015A	Transport of Hume Pipes 152 mm diameter, 1st km of Transport (Excluding Loading and Unloading)	Lm	83.84
T1-015B	Transport of Hume Pipes 152mm diameter for Each Subsequent 1.0km From 1.0 to 8.0km of Transport(Excluding Loading and Unloading)	m	20.40

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ItmCode	Description	Unit	Rate
T1-015C	Transport of Hume Pipes 152mm diameter for Each Subsequent 1.0km Beyond 8.0km of Transport(Excluding Loading and Unloading)	Lmkm	18.34
T1-015D	Transport of Hume Pipes 152mm diameter for 20km of Transport(Including Loading and Unloading)	Lm	518.06
T1-018A	Transport of Hume Pipes 229mm diameter for 1st 1.0km of Transport(Excluding Loading and Unloading)	Lm	94.32
T1-018B	Transport of Hume Pipes 229mm diameter for Each Subsequent 1.0km From 1.0 to 8.0km of Transport(Excluding Loading and Unloading)	Lmkm	22.95
T1-018C	Transport of Hume Pipes 229mm diameter for Each Subsequent 1.0km Beyond 8.0km of Transport(Excluding Loading and Unloading)	Lmkm	16.88
T1-018D	Transport of Hume Pipes 229mm diameter for 20km of Transport(Including Loading and Unloading)	Lm	547.37
T1-021A	Transport of Hume Pipes 305mm diameter subsequent1.0km of Transport from 1 to 8 km(Excluding Loading and Unloading)	Lmkm	125.76
T1-021B	Transport of Hume Pipes 305mm diameter for Each Subsequent 1.0km From 1.0 to 8.0km of Transport(Excluding Loading and Unloading)	Lmkm	20.40
T1-021C	Transport of Hume Pipes 305mm diameter for Each Subsequent 1.0km Beyond 8.0km of Transport(Excluding Loading and Unloading)	Lmkm	22.50
T1-021D	Transport of Hume Pipes 305mm diameter for 20km of Transport(Including Loading and Unloading)	Lm	716.89
T1-024A	Transport of Hume Pipes 457mm diameter subsequent 1.0km of Transport from 1 to 8 km(Excluding Loading and Unloading)	Lm	188.63
T1-024B	Transport of Hume Pipes 457mm diameter for Each Subsequent 1.0km beyond 8km (Excluding Loading and Unloading)	Lmkm	45.90
T1-024C	Transport of Hume Pipes 457mm diameter for Each Subsequent 1.0km Beyond 8.0km of Transport(Excluding Loading and Unloading)	Lmkm	22.50
T1-024D	Transport of Hume Pipes 457mm diameter for 20km of Transport(Including Loading and Unloading)	Lm	1,076.65
T1-027A	Transport of Hume Pipes 610mm diameter subsequent 1.0km of Transport from 1 to 8 km(Excluding Loading and Unloading)	Lm	251.51

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ItmCode	Description	Unit	Rate
T1-027B	Transport of Hume Pipes 610mm diameter for Each Subsequent 1.0km beyond 8km (Excluding Loading and Unloading)	Lmkm	40.56
T1-027C	Transport of Hume Pipes 610mm diameter for Each Subsequent 1.0km Beyond 8.0km of Transport(Excluding Loading and Unloading)	Lmkm	45.03
T1-027D	Transport of Hume Pipes 610mm diameter for 20km of Transport(Including Loading and Unloading)	Lm	1,462.30
T1-030A	Transport of Hume Pipes 915mm diameter subsequent 1.0km of Transport from 1 to 8 km(Excluding Loading and Unloading)	Lm	251.51
T1-030B	Transport of Hume Pipes 915mm diameter for Each Subsequent 1.0km beyond 8km (Excluding Loading and Unloading)	Lmkm	91.81
T1-030C	Transport of Hume Pipes 915mm diameter for Each Subsequent 1.0km Beyond 8.0km of Transport(Excluding Loading and Unloading)	Lmkm	45.03
T1-030D	Transport of Hume Pipes 915mm diameter for 20km of Transport(Including Loading and Unloading)	Lm	2,192.70
T1-033A	Transport of Hume Pipes 1220mm diameter subsequent 1.0km of Transport from 1 to 8 km(Excluding Loading and Unloading)	Lm	691.78
T1-033B	Transport of Hume Pipes 1220mm diameter for Each Subsequent 1.0km beyond 8km (Excluding Loading and Unloading)	Lmkm	262.16
T1-033C	Transport of Hume Pipes 1220mm diameter for Each Subsequent 1.0km Beyond 8.0km of Transport(Excluding Loading and Unloading)	Lmkm	193.50
T1-033D	Transport of Hume Pipes 1220mm diameter for 20km of Transport(Including Loading and Unloading)	Lm	6,275.10
T1-036	Loading and Unloading 152 mm diameter 2.44m Long Hume Pipes	No	174.00
T1-037	Loading and Unloading 229mm diameter 2.44m Long Hume Pipes	No	219.24
T1-038	Loading and Unloading 305mm diameter 2.44m Long Hume Pipes	No	435.00
T1-039	Loading and Unloading 457mm diameter 2.44m Long Hume Pipes	No	723.84
T1-040	Loading and Unloading 610mm diameter 2.44m Long Hume Pipes	No	943.08
T1-041	Loading and Unloading 915mm diameter 1.22m Long Hume Pipes	No	1,740.00

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ItmCode	Description	Unit	Rate
T1-042	Loading and Unloading 1220mm diameter 1.22m Long Hume Pipes	No	3,480.00
T1-043	Transport of Precast Kerb Stones (All Types) for Road Works, Including Loading and Unloading	Lmkm	3.99
T1-044	Transport of Precast Kerb Stones for Bridge Works, Including Loading and Unloading	Lmkm	5.97
T1-045	Transport of Precast Concrete Handrails, Up Rights and Joints for Bridge Works, Including Loading and Unloading	Lmkm	9.12
T1-046	Transport of Precast Concrete Slabs 450x450x50 mm for Foot Walks, Including Loading and Unloading	m2.km	10.94
T1-047	Transport of Precast Standard Boundary Markers Including Unloading Only	No	5.47
T1-048	Transport of Emulsion	100Ltrkm	13.72
T1-049	Transport of Gabion Mesh 4x1x1 meters	No.km	2.76
T1-050	Transport of Bitumen from Sapugaskanda to Elpitiya DE Division.	litre	13.93
T1-051	Transport of Bitumen from Sapugaskanda to Baddegama DE Division.	litre	16.76
T1-052	Transport of Bitumen from Sapugaskanda to Thawalama DE Division.	litre	22.66
T1-053	Transport of Bitumen from Sapugaskanda to Weligama DE Division.	litre	21.77
T1-054	Transport of Bitumen from Sapugaskanda to Makandura DE Division.	litre	25.11
T1-055	Transport of Bitumen from Sapugaskanda to Tangalle DE Division.	litre	30.24
T1-056	Transport of Bitumen from Sapugaskanda to Tissa DE Division..	litre	38.08
T1-057	Transport of excess earth for 1Km	m3	785.56
T1-058	Transport of excess earth 25m-100m	m3	784.74
T1-901A	Transport of Material in Bulk Excluding Loading (for distances more than 10 kilometers)	m3	45.70
T1-907A	Transport of Material in Bulk Excluding Loading (for distances more than 10 kilometers)	m3	45.70
Roadway/FDN/Trench Excavation			
E1-001	Excavation in Loose Soil(Dry)[SSCM 301.2(IV)]	m3	1,351.40
E1-002	Excavation in Loose Soil (Wet) in Slips [SSCM 301.3(0)]	m3	1,666.50
E1-003	Excavation in Ordinary Soil (Cutting Measurement)[SSCM 301.2(V)]	m3	1,981.60

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ItmCode	Description	Unit	Rate
E1-004	Excavation in Ordinary Soil[Vehicle Measurement][SSCM 301.2(V)]	m3	1,783.45
E1-005	Excavation in Medium Soil (Cutting Measurement)[SSCM 301.2(VI)]	m3	2,611.80
E1-006	Excavation in Medium Soil (Vehicle Measurement) [SSCM 301.2(VI)]	m3	2,220.30
E1-007	Excavation in Hard Soil (Cutting Measurement)[SSCM 301.2(VII)]	m3	3,872.20
E1-008	Excavation in Hard Soil (Vehicle Measurement) [SSCM 301.2(VII)]	m3	3,291.80
E1-009	Excavation in unclassified Soil (Cutting Measurement) [SSCM 301.2(VII)]	m3	2,821.90
E1-010	Excavation in Soft Rock (Cutting Measurement)[SSCM 301.2(VII)]	m3	4,187.35
E1-010A	Excavation in Mud\Marshy Material (Cutting Measurement) [SSCM 301.2(VII)]	m3	3,242.00
E1-011	Excavation Pit\Trench for Foundation in Ordinary Soil not Exceeding 1.5m deep, Including Levelling and Ramming Bottom, Exc.Material Deposited at site	m3	2,611.80
E1-012	Excavation Pit\Trench for Foundation in medium Soil not Exceeding 1.5m deep, Including Levelling and Ramming Bottom, Exc.Material Deposited at site	m3	3,242.00
E1-013	Excavation Pit\Trench for Foundation in Hard Soil not Exceeding 1.5m deep, Including Levelling and Ramming Bottom, Exc.Material Deposited at site within	m3	4,503.25
E1-014	Excavation Pit\Trench for Foundation in unclassified soil not exceeding 1.5m depth including levelling and ramming bottom, excavated material deposited at site within 25m or as directed	m3	3,452.35
E1-015	Excavation Pit\Trench for Foundation in Mud/Marshy material not Exceeding 1.5m deep, Incl. Levelling and Ramming Bottom, Exc.Material Deposited at site	m3	3,873.05
E1-019	Excavation Soft Rock not Exceeding 1.5m depth[SSCM 301.2(II)]	m3	5,132.65
E1-021	Piling Available Soil	m3	315.11
E1-022	Loading Available Soil	m3	415.94
E1-023	Excavating Rock Requiring Blasting, for Roadway and at quarry for Boulders(Bank measurement Excluding Dozing Away) [SSCM 301.2(III) & 306.1-306.4]	m3	1,648.00
E1-023A	Charging/Stemming Blastholes (Bank measure) Part A of E1-023	m3	1,648.00

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ItmCode	Description	Unit	Rate
E1-024	Boulders, Sledging Piling etc	m3	6,117.40
E1-025	Rock Requiring Blasting (Bank measurement)	m3	6,798.55
E1-026	Rock Requiring Blasting and Piling (Bank Measurement)	m3	8,547.90
E1-027	Roadway Excavation in Unclassified Soil Using Mechinery Excluding Loading and Piling (Cutting Measurement)	m3	450.99
E1-028	Loading Materials by Machinery in Roadway Excavations (Cutting Measurement)	m3	289.60
E1-029	Trimming / Cambering by Motor Grader (Cutting Measuremet)	m3	118.32
E1-029A	Trimming / Cambering by Motor Grader (Cutting Measuremet)	m2	23.66
	Aggregate/Rubble pilling		
A1-001	Sledging Available Rock 150-225mm Rubble including Piling and Loading	m3	4,911.30
A1-002	Blasting etc and Piling 150-225mm Rubble including Loading	m3	8,406.70
A1-002A	Blasting Sledging etc. and Piling 150-225mm Rubble using Compressor and Hand Held Drills including Loading (Piled)	m3	7,391.70
A1-002B	Blasting Sledging etc. and pilling 150-225mm Rubble using Compressor and Hand Held Drills including Loading (Bank measure)	m3	8,870.40
A1-003	Blasting etc. and Piling 100mm Aggregate including Loading	m3	9,174.70
A1-003A	100mm Aggregate from external sources including Loading & pilling at site	m3	3,816.25
A1-004	Blasting etc and pilling 75mm Aggregate including/Loading	m3	10,435.10
A1-004A	75mm Aggregate from External sources including Loading & pilling at site	m3	3,180.20
A1-005	Blasting etc and pilling 50mm Aggregate including/Loading	m3	12,325.75
A1-005A	50mm Aggregate from External sources including Loading & pilling at site	m3	4,664.30
A1-009	50 mm Aggregate, Single Size Crusher Production Including Piling and Loading[SSCM 404.1-406.1 : Table 1701-4	m3	4,664.30

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A1-010	37.5 mm Aggregate, Single Size Crusher Production Including Piling and Loading[SSCM 404.1-406.1 : Table 1701-4	m3	4,664.30
A1-011	19 mm Aggregate, Single Size Crusher Production Including Piling and Loading[SSCM 404.1-406.1]	m3	4,791.50
A1-012	12.5 mm Aggregate,Single Size Crusher Production Including Piling and Loading for 1.0 Cu.m	m3	4,791.50
A1-013	Aggregate 37.5 mm Down Graded (SSCM-Table 1701.5) Including Piling and Loading	m3	4,240.30
A1-014	Crusher Fines 6.3 mm Down, Including Piling and Loading for 1.0 cu.m	m3	5,088.35
A1-015	Aggregate 19 mm for Seal Coat Treatments as per SSCM Table 1701-8,	m3	4,791.50
A1-016	Aggregate 12.5 mm for Seal Coat Treatments as per SSCM Table 1701-8, Including Piling and Loading	m3	4,791.50
A1-017	Blended Aggregate for Rectification Overlay, with 37.5 mm Sigle Size Aggregate with 19mm and 12.5mm Crushed Aggregate Mixed in the Volume Ratio of 7:2:1 Including Mixing and Loading (Piling to Pay Separately).	m3	5,050.90
A1-018	Piling Available Aggregate	m3	342.27
A1-019	Piling Available Rubble	m3	684.54
A1-020	Loading Available Aggregate / Rubble	m3	630.21
A1-021	Supplying 100mm aggregate External source(incl. Transport 20km, Loading & piling)	m3	4,730.20
A1-022	Transport of Material in Bulk Excluding Loading (For 20km distance)	m3	4,094.15
A1-023	Supplying 50mm aggregate External source(incl. Transport 20km, Loading & piling)	m3	5,578.25
A1-024	Supplying 50mm aggregate single size, crusher produced External source(incl. Transport 20km, Loading & piling)(SSCM404.1-406.1; Table 1701-4)	m3	5,578.25
A1-025	Supplying 37.5mm aggregate single size, crusher produced External source(incl. Transport 20km, Loading & piling)(SSCM404.1-406.1; Table 1701-4)	m3	5,578.25
A1-026	Supplying 19mm aggregate single size, crusher produced External source(incl. Transport 20km, Loading & piling)(SSCM404.1-406.1; Table 1701-4)	m3	5,705.45
A1-027	Supplying 12.5mm aggregate single size, crusher produced External source(incl. Transport 20km, Loading & piling)(SSCM404.1-406.1; Table 1701-4)	m3	5,705.45

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ItmCode	Description	Unit	Rate
A1-028	Supplying 37.5mm agg down graded External source(incl. Transport 20km, Loading & pilling)(SSCM Table 1701.5)	m3	5,154.20
A1-029	Pre-Coating 12.5mm Aggregates (Including Supplying 12.5mm Aggregate)	m3	12,006.50
	Earth Filling & Compaction		
EW-001	Approved soil (type I and II materials) excavation for base and shoulder construction including loading and filling (loose volume) [SSCM 601.1 to 601.4]	m3	3,754.60
EW-002	Spreading piled approved soil (loose volume)	m3	471.19
EW-003	Approved soil spreading and rolling including roller hire charges, fuel and watering	m3	1,043.40
EW-003A	Approved soil spreading and rolling using machenery including motor grader and roller hire charges, fuel and watering	m3	554.15
EW-003B	Medium Soil Spread & Rolled Using Machinery & Roller Hire Charges, fuel & Watering (Loose Volume) [SSCM 601.1 - 4]	m3	482.66
EW-004	Approved soil spread and rolled in strips wherre average width is less than 1.2meters for road widening including roller hire charges, fuel and watering	m3	1,248.55
EW-006	Approved soil spread and compacted in place behind abutments and structures, shoulders above sub-base level and in service line trenches using 1/2 to 1 ton vibrating roller including watering	m3	1,154.15
EW-007	Approved soil spread and compacted in 150-225 mm thick layers using machine rammer at narrow places	m3	1,402.20
EW-008	Spreading levelling and compcting manually using standard cast iron stamper or equivalent and filling in 150-225 mm thick layers (loose volume)	m3	1,418.00
EW-009	Trimming levelling and compacting of original ground/ subgrade 100% Std. Density	m2	179.07
EW-010	Trimming levelling and compaction of original ground/ subgrade to 95% Std. Density	m2	162.79
EW-011	Approved soil excavation for embankment filling including loading and piling (loose volume)	m3	2,683.10
EW-013	Approved soil (type I and II materials) excavation machinery for base and shoulder construction including loading and piling	m3	1,587.10

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ItmCode	Description	Unit	Rate
EW-014	Approved soil (type I and II materials) excavation using machinery for embankment filling including loading and piling (loose volume)	m3	1,515.10
EW-015	Grading and spreading by motor grader	m3	224.25
EW-016	Medium Soil Excavation using Machinery Including Loading and Pilling (Loose Volume)g and Pilling (Loose Volume)	m3	1,515.10
	Rubble Pitching/Paving		
P1-001	Pitched Paving 225 mm Thick	m2	834.12
P1-002	Pitched Paving 150 mm Thick	m2	625.59
P1-003	Flat Paving 225 mm Thick	m2	554.69
P1-004	Flat Paving 150 mm Thick	m2	417.06
	Aggregate Spreading & Rolling		
M1-001	Spreading , Watering & Rolling 100 mm Aggregate Including Hire Charges of roller(Loose Volume) [SSCM 304.3(d),(e)]	m3	2,316.85
M1-002	Breaking Road Surface to 50 mm Depth by Hand , Screen & Replace Old Aggregate	m2	235.20
M1-003	Scarifying Road Surface to 50 mm Depth by roller, Screen, & Replace Old Aggregate.	m2	197.52
M1-004	Spreading & Compaction 50-19 mm New Aggregate by Roller Including Watering Hire, Etc. (Loose Volume) [SSCM 403.3(c)]	m3	3,422.00
M1-005	Breaking 50 mm Additional Depth by Hand Screening & Replacing Old Aggregate	m2	142.12
M1-006	Scarifying 50 mm Additional Depth with Roller, Screening & Replacing Old Aggregate.	m2	162.62
M1-007	Spreading Watering & Compacting 37.5-19 mm Aggregate in Edge Correction using roller Including Hire, Etc. (Loose Volume) [SSCM 1103.3]	m3	4,454.60
M1-007A	Spreading & Compaction 37.5-19 mm New Aggregate by Roller Including Watering Hire, Etc.	m3	3,422.00
M1-008	Spreading watering & Compacting 37.5-19 mm Aggregate in strip Correction Using Rolller Including Hire ,Etc (Loose Volume) [SSCM 1103.3]	m3	3,598.50
M1-009	Spreading & Compacting 50-19 mm Aggregate by D Roller After Applying track Coat in Overlay (Loose Volume) (Tack Coat Paid Separately)	m3	3,227.70

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ItmCode	Description	Unit	Rate
M1-010	Water Bound Macadam Spreading watering & Comp 50-25 mm Aggregate & Filling the Voids to refusal with Crusher fines by watering & rolling to form a water bound Macadam Base excl transport for Aggregates & fines.(Loose Volume (SSCM 404.1)	m3	11,377.60
M1-011	Dry Bound Macadam Spread, water & comp. 50-25 mm Aggregate & filling voids to refusal with Crusher Fines by Rolling with Vibrating Roller to Form a Dry Bound Macadam base excl. Transport for Agg. & Fines (Loose Volume) (SSCM 404.1)	m3	10,700.95
M1-012A	Dense Graded Aggregate Base (ABC) Spreading watering and Compacting Graded 37.5 mm Aggregate to Form a Dense Agg. Base Using Machinery Including Motor Grader & Roller Hire Charges. (Transport of Aggregate to be paid separately)(Loose Volume)(SSCM 405.1)	m3	997.98
M1-013	Dense Graded Agg.Base [ABC], Spreading Watering and Compacting of Graded 37.5mm Aggregate to form a Dense Agg. Base in Strips of Average Width not exeeding 1.2m for Road Widening ExcludingTransport of Agg.(Loose Volume)[SSCM 405.1]	m3	3,509.65
M1-013A	Spreading,watering & compacting Graded 37.5 mm aggregate in Strips, Average Width not Exeeding 1.2m form a dense ABC Using Machinery incl Motor Grader & Roller Hire Charges (transport of Agg. to be paid separately)(loose Volume)(SSCM 405.1)	m3	1,260.50
M1-014	Dense Graded Agg. base (Aggregate Base Course) Spreading & Compacting Graded 37.5mm aggregae to form a dense graded aggregate base excluding transport of aggregate(loose volume)	m3	7,381.90
Road Surface Treatment			
S1-001	Bitumen(80/100) Surface 1st Coat Using 2ltr/Sq.m including Blinding with Sand @ the Rate of 125 Sq.m/Cu.m[SSCM 503.1]	m2	629.44
S1-002	Bitumen (80/100) Surfacing 1St Coat using 2ltr/Sq.m including Blinding with Gravel where Sand is not Available within 16km.	m2	600.89
S1-003	Double Bitumenous Surface Treatment with Hot Bitumen(Manual) including Internal Transport(Binder and Aggregate Paid Separately)[SSCM 505.1-505.5 and Table 505.1]	m2	591.95

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ItmCode	Description	Unit	Rate
S1-004	Single Bitumenous Surface Treatment with Hot Bitumen (Manual, including Internal Transport)(Binder and Aggregate Paid Separately)[SSCM 505.1-505.5 and Table 505.1]	m2	308.25
S1-005	Double Bitumenous Surface Treatment with Emulsion (CRS-1) (Manual including Internal Transport)(Binder and Aggregate Paid Separately)	m2	579.53
S1-006	Single Bituminous Surface Treatment with Emulsion (CRS-1) (Manual including Internal Transport)(Binder and Aggregate Paid Separately)	m2	299.63
S1-007	Bitumen (80/100) Surfacing Subsequent Coat using 0.75ltr/Sq.m including Blinding with Sand @ 125 Sq.m/Cu.m [SSCM 503.1(b)]	m2	308.01
S1-008	Bitumen Surfacing 2nd coat using 1.0ltr/Sq.m including Blinding with Sand @ 125 Sq.m/Cu.m (New Work) [SSCM 503.1(b)]	m2	364.71
S1-009	Bitumen Surfacing Subsequent Coat using 0.75ltr/Sq.m including Blinding with Gravel @ 125 Sq.m/Cu.m [SSCM 503.1(b)]	m2	279.64
S1-010	Bitumen (80/100) Surfacing 1st Subsequent Coat using 1.0ltr/Sq.m including Blinding with Gravel where Sand is not Available within 16km (New Work) [SSCM 503.4(c)]	m2	336.34
S1-011	Emulsion/Cold Bitumen(CRS-1) Surface Treatment 1st Coat with 3.5 ltr/Sq.m Including Blinding with Sand, @ 125 Sq.m/Cu.m (Manual)	m2	757.71
S1-012	Emulsion/Cold Bitumen(CRS-1) Surface Treatment 1st Coat with 3.5 ltr/Sq.m (Using Trolley, Emulsion) Including Blinding with Sand, @ 125 Sq.m/Cu.m (Manual)	m2	727.08
S1-013	Emulsion/Cold Bitumen(CRS-1) Surface Treatment Subsequent Coat with .75 ltr/Sq.m Including Blinding with Sand, @ 125 Sq.m/Cu.m (Manual)	m2	231.46
S1-013A	Emulsion/Cold Bitumen(CRS-1) Surface Treatment Subsequent Coat with .75 ltr/Sq.m Including Blinding with chios. @ 125 Sq.m/Cu.m (Manual)	m2	218.59
S1-014	Emulsion/Cold Bitumen(CRS-1) Surface Treatment Subsequent Coat with .75 ltr/Sq.m (Using Trolley, Emulsion) Including Blinding with Sand, @ 125 Sq.m/Cu.m	m2	217.84

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ItmCode	Description	Unit	Rate
S1-015	Tack Coat Using Emulsion (CSS-1) @ the Rate of 0.5 ltr/Sq.m inclusive of Brushing, Cleaning Road Surface and Cost of Emulsion (Manual) [SSCM 502.3]	m2	122.36
S1-015A	Tack Coat Using Emulsion (CSS-1) @ the Rate of 0.5 ltr/Sq.m (Manual) [SSCM 502.3] Part A of S1-015	m2	110.83
S1-015B	Brushing, Cleaning Road Surface [SSCM 502.3] Part B of S1-015	m2	11.53
S1-016	Tack Coat Using Emulsion (CSS-1) @ the Rate of 0.5 ltr/Sq.m inclusive of Brushing, Cleaning Road Surface and Cost of Emulsion (Manual) [SSCM 502.3]	ltr	244.71
S1-017	Tack Coat Using Emulsion (CSS-1) @ the Rate of 0.75 ltr/Sq.m inclusive of Brushing, Cleaning Road Surface and Cost of Emulsion (Manual) [SSCM 502.1-503.3]	m2	167.36
S1-018	Tack Coat with 30% Cut Back Bitumen (80/100)Using 0.35 ltr/Sq.m Including Brushing and Cleaning Road Surface (Manual)	m2	73,113.60
S1-019	Tack Coat with 30% Cut Back Bitumen (80/100)Using 0.5 ltr/Sq.m Including Brushing and Cleaning Road Surface (Manual)	litre	146,227.20
S1-020	Tack coat with 30% cut back bitumen (80/100) using 0.75 ltr/m2 including brushing and cleaning road surface [Manual][SSCM 503.4(d)]	m2	261.09
S1-020A	Tack coat with 30% cut back bitumen (80/100) using 0.75 ltr/m2 including brushing and cleaning road surface [Manual][SSCM 503.4(d)](Part 1)	m2	249.56
S1-020B	Tack coat with 30% cut back bitumen (80/100) using 0.75 ltr/m2 including brushing and cleaning road surface [Manual][SSCM 503.4(d)](Part 2)	m2	11.53
S1-021	Rolling over blinding material spread over subsequent bitumen surfacing using Diesel Roller [8-10 Tons][SSCM 503.4(d)]	m2	29.84
S1-022	Prime Coat with Emulsion/Cold Bitumen(CSS-1) Using 1 Ltr/Sq.m Including Blinding with Sand at the Rate of 250 Sq.m/Cu.m and Brushing Cleaning and Moistening Road Surface	m2	252.90
S1-022A	Brushing Cleaning and Moistening Road Surface	m2	11.25
S1-022B	Brushing, Cleaning Road Surface [SSCM 502.3] Part B of S1-022	m2	11.53
S1-023	Prime Coat with Emulsion/Cold Bitumen(CSS-1) Using 1 Ltr/Sq.m without Blinding, but Inclusive of Brushing, Cleaning and Moistening Road Surface	m2	212.34

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ItmCode	Description	Unit	Rate
S1-024	Prime Coat With 30% Cut Back Bitumen (80/100)Using 1 Ltr/ Sq.m Including Blinding with Sand at the rate of 250 Sq.m/Cu.m and Brushing, Cleaning and Mostening Road Surface	m2	368.32
S1-024B	Brushing, Cleaning Road Surface [SSCM 502.3] Part 2 of S1-024	m2	11.53
S1-025	Prime Coat With 30% Cut Back Bitumen (80/100)Using 1 Ltr/ Sq.m without blinding but inclusive of brushing, cleaning and moistning the road surface	m2	325.95
S1-025B	Prime Coat [Part 2 of S1-025]	m2	11.53
S1-026	Sweeping Over Tarred Surface to Arrest Bleeding.	m2	9.95
S1-027	Application of Asphalt Emulsion for Surface Treatment Using CRS-1 (Using Plant) "Rate per Litre"	ltr	197.37
S1-028	Blinding the Bitumen Surfacing with Sand at the rate of 125 Sq.m1 Cu.m Using Material from Stock Pile	m2	86.39
S1-029	Single bituminous surface treatment with Emulson CRS-1 using plant [bider and aggregate paid separately][Rate to include the transport cost of aggregate upto 16 km [SSCM 505.5(b)]	m2	166.36
S1-030	Double Bituminous Surface Treatment with Emulsion(CRS-2) Using Plant.(Binder and Aggregate Paid Separately) (Rate of include Transport cost of Aggregate up to 16 KMS)	S2	340.18
S1-030A	Double bituminous surface treatment with hot bitumen (80/100) using 19mm and 12.5mm single size selected aggregate on existing bituminous surfaces using plant, Rate to include all labour, material plant and transport cost of aggregate upto 16km (Transport of binder and additional transport of aggregate to be paid separately)	m2	3,349.35
S1-030B	Double bituminous surface treatment with hot bitumen (80/100) using 19mm and 9.5mm single size selected aggregate on existing bituminous surfaces using plant, Rate to include all labour, material plant and transport cost of aggregate upto 16km (Transport of binder and additional transport of aggregate to be paid separately)	m2	897.82
S1-031	Suupply,Lay & Comp. Asphalt Premix concrete (19mm, 60/70 binder 4.7%) Dense(Plant Made) In Wearing Surface of Small works such as bridge Decking, Reinstatement of Trenches etc.(Trans. of Premix to be paid separately)[SSCM 506](Excluding roller hire)	MT	25,915.15

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ItmCode	Description	Unit	Rate
S1-032	Suupply,Lay & Comp. Asphalt Premix (37.5mm, 60/70 binder 3.5%) Bound base material(Plant Made) In Small works such as bridge Decking, Reinstatement of Trenches etc.(Trans. of Premix to be paid separately)[SSCM 506]	MT	23,198.50
S1-033	Supply,lay compt. Asplt contrt. cold mix(19mm 8.67% cutback 60/70 binder 5.47%mix) dence (plant maid) in small works. such as brdg. decking reinstatement of treches etc(trns.of premix to be paid separately (SSCM 506)	MT	27,655.15
S1-033A	Lay and compact Asphalt Concrete Cold Mix with emulsion CSS-1 6.67% (By wt of aggregate) and 19mm aggregate, dense (Plant Made) in small works such as bridge decking, reinstatement of trench etc (Supply and transport of Premix(cold mix) to be paid separately)	MT	5,695.15
S1-034	Lay and compact Asphalt Premix using Paver [Supply and Transport of Premix to be paid separately]	MT	4,069.60
S1-034A	Supplying of Asphalt concrete wearing course material: binder 60/70 @ 4.7% mix(19mm)(for projcet use) including transport 20Km	MT	20,737.90
S1-034B	Supplying of Asphalt concrete binder course material: binder 60/70 @ 3.53% mix(37.5mm)(for projcet use) including transport 20Km	MT	18,037.90
S1-034C	Supplying of Asphalt concrete binder course material: binder 60/70 @ 4.2% mix(19mm)(for projcet use) including transport 20Km	MT	19,537.90
S1-034D	Supplying of Asphalt concrete cold mix with 15% cutback 60/70 binder @ 5.5% mix(19mm)(for projcet use) including transport 20Km	MT	22,477.90
S1-034E	Supplying of Asphalt concrete cold mix with 16% cutback 60/70 binder @ 5.5% mix(12.5mm)(for projcet use) including transport 20Km	MT	22,477.90
S1-035	Surfacing [Sand sealing- Manual] using emulsion CRS-1 at the rate of 1 ltr/m2 including preparing surface blinding with sand at the rate of 4 m3/500m2 and ressing with improvised hand roller [Patching potholes if necessary and external transport to pay separately]	m2	288.78
S1-035A	Patching minor potholes using sand-emulsion mix 1:8 where necessary, prior to sand sealing	m2	42.96

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ItmCode	Description	Unit	Rate
S1-036	Sand Sealing with Emulsion CRS-1 at the Rate of 1Ltr,Sq.m Using Plant.Incd.Brushing,cleaning, Blinding. with Sand@ 125 Sq.m and Rolling with pneumatic roller & internal transport.[SSCM 504](Patching pot holes if necessary & external trans. to pay separa.)	m2	316.86
S1-037	Reconstruct base with penetration macadam using nominal size 50mm aggregate and 19mm key aggregate from stockpiles, to a compacted thickness of 75mm, on existing pavements [SSCM 406].(Cost of Binder, and aggregate including transport to be paid separately)	m2	379.52
S1-038	Reconstruct Base With Penetration Macadam Using Nominal Size 37.5mm Aggregate and 12.5mm Key Aggregate from Stock Piles, to a compacted thickness of 75mm on Existing Pavements[SSCM 406] (Cost of Binder, Aggregate, incl trans. paid Separately)	m2	266.60
S1-039	Correction of Corrugations, Depressions and Camberign road Surfaces using asphalt Concrete compacted by Vibrating roller including Internal transport (application of tackcoat and Supply of Asphalt concrete to be paid separately)	MT	4,754.20
S1-040	Sand sealing with emulsion CRS-2 at the rate of 1ltr/m2 using plant, and blinding with sand at the rate of 125m2/cum on DBST/SBST [Triple Seal] including internal transport [SSCM 504][Binder transport to site to be paid separately]	m2	25.98
S1-040A	Application of Binder Part 1 of S1-040	ltr	192.56
S1-041	Slurry Sealing to a Thickness of 6MM using machinery with modified emulsion (Using CSS-1) as the binder (Transport of aggregate to pay separately)	m2	317.17
S1-042	Bitumen Surfacing 1st coat using 2ltr/Sq.m including Blinding with 6mm chip (incl. cost of Bitumen)	m2	589.79
S1-043	Single bituminous surface treatment with hot bitumen (Manual) incl. binding with aggregate pre-coating and internal transport (12mm aggregate 1.3 cum per 100 sqm & binder 1l per sqm.) incl. cost of Bitumen	m2	598.36
	Road Maintenance		
MN-001	Patching with hot bitumen [80/100] using 14 ltr/.5 km [SSCM 1102.1-1103.3]	.5km	7,082.20
MN-002	Patching with hot bitumen [80/100] using 21 ltr/.5 km	.5km	10,623.30

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ItmCode	Description	Unit	Rate
MN-003	Patching with hot bitumen [80/100] using 28 ltr/.5 km	.5km	14,164.40
MN-004	Patching with hot bitumen [80/100] using 35 ltr/.5 km	.5km	17,705.50
MN-005	Patching with hot bitumen [80/100] using 42 ltr/.5 km	.5km	21,246.60
MN-006	Patching with hot bitumen [80/100] using 49 ltr/.5 km	.5km	24,787.70
MN-007	Patching with hot bitumen [80/100] using 56 ltr/.5 km	.5km	28,328.80
MN-008	Extensive Patching for every additional 7ltr/.5km with hot bitumen [80/100]	.5km	3,541.10
MN-009	Patching with cold bitumen [CRS 1] using 14 ltr/.5 km	.5km	4,918.40
MN-010	Patching with cold bitumen [CRS 1] using 21 ltr/.5km	.5km	7,377.60
MN-011	Patching with cold bitumen [CRS 1] using 28 ltr/.5km	.5km	9,836.85
MN-012	Patching with cold bitumen [CRS 1] using 35 ltr/.5km	.5km	12,296.05
MN-013	Patching with cold bitumen [CRS 1] using 42 ltr/.5km	.5km	14,755.25
MN-014	Patching with cold bitumen [CRS 1] using 49 ltr/.5km	.5km	17,214.45
MN-015	Patching with cold bitumen [CRS 1] using 56 ltr/.5km	.5km	19,673.70
MN-016	Extensive patching for every additional 7 liters Cold bitumen [CRS 1]	.5km	2,459.20
MN-017	50mm-19mm Aggregate Rollar Patching	m3	10,016.05
MN-018	50mm-19mm Aggregate Stamped Patching	m3	10,840.35
Road Side Drainage System			
DR-001	Cutting New Side Drains in Ordinary Soil.	m3	1,804.60
DR-002	Cutting New Side Drains in Medium Soil.	m3	2,489.10
DR-003	Cutting New Side Drains in Hard Soil.	m3	3,173.65
DR-004	Cutting New Side Drains in Soft Rock.	CU	3,515.95
DR-005	Cutting new side drains in unclassified soil	m3	2,489.10
DR-005A	Cutting side drains of standard dimensions in unclassified soils using machine (Backhoe JCB) including shaping, trimming and levelling bottom manually	m3	1,375.25
DR-005B	Hire charge per hour Part 2 of DR-005A	hour	8,311.40
DR-006	Cutting New Side Drains in Rock.	m3	8,349.80
DR-007	Turfing (Excluding Royalty, Transport, Watering and Maintenance).	m2	389.73
DR-008	Watering and Maintainig Turf for 03 months	m2	575.69
DR-008A	Watering and Maintainig Turfing including Transport of Water.	Sq	11.99
DR-009	Levelling and Trimming Earth	m2	51.68
DR-010	Clearing Silt Etc. From Kerbs and Channels [SSCM: 12053]	MTR	30.83
DR-011	Cutting Scupper Drains on any Soil Other than Rock to and Average width of 0.75 m with proper Gradient and Ave. Depth of 100 mm (SSCM 1304.3)	Lm	222.40

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ItmCode	Description	Unit	Rate
DR-012	Clearing and Desilting of Culverts (SSCM 1303.3)	No	637.40
DR-013	Clearing Choked Culverts (With Head Room > 1m.)	m3	2,611.80
DR-014	Cleaning desilting existing side drains and lead up drains to proper shape and gradient and transport of excavated materials from road side up to 100m	Lm	77.42
DR-015	Clearing Inlets and Outlets of Culverts	No	574.05
	Concrete & Structural work		
ST-001	Demolishing Dry Coursed Masonary Including Stacking or Loading ,(SSCM 202.2)	m3	7,671.20
ST-002	Demolishing Coursed Masonary in cement Mortar Including Stacking or Loading	m3	8,931.60
ST-003	Demolishing Random Rubble Masonry in cement Mortar Including Stacking or Loading	m3	3,998.60
ST-004	Random Rubble Masonry, 150-225 mm Rubble in Approved cement & Sand Mortar 1:6 (excluding Transport of Rubble & Piling) [SSCM 1006.3]	m3	25,584.75
ST-005	Random Rubble Masonry, 150-225 mm Rubble in cement & Sand Mortar 1:5 (Excluding Transport of Rubble & Piling) [SSCM 1006.3]	m3	25,973.70
ST-006	Random Rubble Masonry, 150-225 mm Rubble in cement & Sand Mortar 1:6 with available rubble (Excluding Transport of Rubble & Piling) [SSCM 1006.3]	m3	20,364.25
ST-007	Random Rubble Masonry in cement & sand Mortar 1:5 with Available Rubble 150-225 mm.	m3	20,753.25
ST-008	Dry Masonry With available Heavy Rubble or Boulders(SSCM 1006.3(B))	m3	11,300.35
ST-009	Dry Random Masonry With Rubble 150-225 mm (Excluding Transport of Rubble & Piling)	m3	11,290.70
ST-010	Dry Random Masonry With available Rubble 150-225mm	m3	9,040.30
ST-011	Packing Available Rubble and Aggregaet Filter Layers Behind Masonry Walls.	m3	2,296.70
ST-012	Clay puddled and laid Behind Masonry Walls.	m3	4,644.00
ST-013	Grouting Coursed Stone Masonry Joints With Cement & Sand Mortar 1:3 (SSCM 804.2(c))	m2	921.46
ST-014	Grouting rubble paving With concrete class C, 1:2:4 (19mm) excluding transport for aggregate and piling	m3	4,398.80
ST-015	Grouting Rubble Paving with cement & Sand mortar (1:3)	m2	1,506.30
ST-016	Forming weep Holes In Masonry Construction (Labour only)[SSCM 706.3]	Nos	840.50

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ItmCode	Description	Unit	Rate
ST-017	Forming Weep Holes Using P.V.C. Pipes of Int. Dia. Not less than 100mm Complete with Dripledge and Surround Finish Smooth.	Lm	2,114.00
ST-018	Shoring with 37.5 mm Thick Class II Timber Planks up to 3 m Depth	m2	2,400.30
ST-019	Supplying & Fixing class II Timber Struts Etc. For Shoring up to 3m Depth	m2	175.98
ST-020	Supplying and Fixing Class II Timber in Shoring up to 3m Depth (Rate per Area Basis)	m2	2,837.60
ST-021	Lifting Soil For Every 1.5 m Beyond the Initial 1.5m	m3.lift	1,260.40
ST-022	Lifting Wedge Stones Every 1.5 m Beyond the Initial 1.5m	m3.lift	3,781.30
ST-023	Lifting Rubble or Concrete Every 1.5 m Beyond the Initial 1.5m	m3.lift	1,890.65
ST-024	Lowering Wedged Stones Every 1.5m Beyond the Initial 1.5 m Beyond the Initial 1.5 m	m3.lower	2,520.85
ST-025	Lowering Rubble or Concrete for Every 1.5m Beyond the Initial 1.5 m	m3.lower	1,260.40
ST-026	Rendering 12.5mm thick in cement sand mortar 1:2 mix (Rough)	m2	1,499.15
ST-027	Rendering 12.5mm thick in cement sand mortar 1:2 mix (Smooth Finish)	m2	1,730.15
ST-028	Rendering 19mm thick in cement sand mortar 1:2 mix (Rough)	m2	2,092.05
ST-029	Rendering 19 mm thick in cement sand mortar 1:2 mix (Smooth Finish)	m2	2,322.10
ST-030	Rendering 12.5mm thick in cement sand mortar 1:3 mix (Rough Finish)	m2	1,455.30
ST-031	Rendering 12.5mm thick in cement sand mortar 1:3 mix (Smooth Finish)	m2	1,707.95
ST-032	Rendering 19 mm thick in cement sand mortar 1:3 mix (RoughFinish)	m2	2,029.15
ST-033	Rendering 19 mm thick in cement sand mortar 1:3 mix (Smooth Finish)	m2	2,262.45
ST-034	Mixing and laying manualy, cement concrete 1:4:8 (50mm) (Volume Batching) usring crusher run aggregate (Excluding transport of aggregate and piling)(SSCM 1001.4)	m2	26,212.60

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ItmCode	Description	Unit	Rate
ST-035	Mixing and laying using concrete mixer, cement concrete 1:4:8 (50mm) (Volume Batching) using crusher run aggregate (Excluding transport of aggregate and piling)(SSCM 1001.8 - 1001.9)	m3	26,420.90
ST-036	Mixing & Laying Manually Cement Concrete 1:4:8 (50 mm) with 20% Plums (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	25,288.30
ST-037	Mixing & Laying using concrete mixer, Cement Concrete 1:4:8 (50 mm) with 20% Plums (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	23,575.50
ST-038	Mixing & Laying manually, Cement Concrete 1:3:6 (37.5 mm) with 20% Plums (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	26,711.75
ST-039	Mixing & Laying using concrete mixer, Cement Concrete 1:3:6 (37.5 mm) with 20% Plums (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	24,971.60
ST-040	Mixing & Laying manually, Cement Concrete 1:3:6 (37.5 mm) (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	30,504.10
ST-041	Mixing & Laying using concrete mixer, Cement Concrete 1:3:6 (37.5 mm) (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	28,772.15
ST-042	Mixing & Laying manually, Cement Concrete 1:3:6 (19 mm) (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	30,604.80
ST-043	Mixing & Laying using mixer Cement Concrete 1:3:6 (19 mm) (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	28,501.55
ST-044	Mixing & Laying manually, Cement Concrete 1:2:4 (37.5 mm) (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	33,351.00
ST-045	Mixing & Laying Using Concrete Mixer, Cement Concrete 1:2:4 (37.5 mm) (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	32,191.35
ST-046	Mixing & Laying Manually Cement Concrete 1:2:4 (19 mm) (Volume Batching) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	33,038.00

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ItmCode	Description	Unit	Rate
ST-047	Mixing & Laying Using Concrete Mixer, Cement Concrete 1:2:4 (19 mm) (Volume Batching) Using Crusher Run Aggregate (Excl. Transport of Aggregate & Piling)	m3	31,858.10
ST-048	Mixing & Laying Using Concrete Mixer(W/Batching), Cement Concrete for Grade 25 (19 mm) using crusher run aggregate in Foundation and Floors.(excluding Transport of Aggregate & Piling)	m3	34,040.05
ST-048A	Mixing & Laying Using Concrete Mixer(W/Batching), Cement Concrete for Grade 25 (70% 37.5 + 30% 19 mm) Using Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	32,339.50
ST-049	Mixing & Laying Using Concrete Mixer(W/Batching), Cement Concrete Grade 30 (19 mm) With Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	38,020.85
ST-049A	Mixing & Laying Using Ready Mix, Cement Concrete Grade 30 (19 mm) With Crusher Run Aggregate (Incl. Transport of Aggregate)	m3	38,759.40
ST-050	Mixing & Laying Using Concrete Mixer(W/Batching), Cement Concrete Grade 40 (19 mm) With Crusher Run Aggregate (excl. Transport of Aggregate & Piling)	m3	41,975.20
ST-051	Mixing & Laying Cement Concrete By Hand	m3	11,116.05
ST-052	Mixing and laying concrete by power driven concrete mixer (V/Baching)	m3	9,393.95
ST-053	Curing of concrete decks, slabs, beams, walls etc [SSCM 1011.11]	m2	101.47
ST-054	Fabricate & Lay M.S Bars as Reinforcement (incl Transport)	kg	577.12
ST-055	Fabricate & Lay Tor Steel as Reinforcement (incl Transport)	kg	616.45
ST-056	Cutting & Laying Reinforcment Fabric (Excluding Cost of Reinforcement Fabric)	m2	484.81
ST-057	Supplying & fixing 25 mm Thick Planks of Class II Timber as Shuttering, Including removing [SSCM 1008.3(b)]	m2	3,021.20
ST-058	Supplying & Fixing Class II Timber Bearers, Joists , etc. Including Dismantling in Shuttering (SSCM 1008.3 (a))	dm3	140.09
ST-059	100-150 mm Dia. Round Jungle Timber Supplied & Fixed as Props	Lm	194.89
ST-060	150-200 mm Dia. Round Jungle Timber Supplied & Fixed as Props	Lm	197.52

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ItmCode	Description	Unit	Rate
ST-061	Formwork Smooth Finish With Class II Timber For Bridge Beams, Bridge Deck Under Sides and Sides Including Dismantling (SSCM 1008.3(b))	m2	7,078.85
ST-062	Formwork Smooth Finish With Class II Timber For Bridge Column Shafts Including Dismantling (SSCM 1008.3(b))	m2	6,589.05
ST-063	Formwork Smooth Finish, Using Plywood(Shutter 15 mm) and Class II Timber Bearers, Joists and Jungle Timber Props for Bridge Abutments, Wingwalls Etc.	m2	5,977.40
ST-064	Supplying & fixing 25mm Thick Planks and Struts of Class II Timber as Formwork Rough Finish, in Foundation Etc. Including Removing (SSCM 1008.3(b))	m2	3,189.80
ST-065	Formwork Smooth Finish for General Purposes, Using 25mm Thick Planks & Struts of Class II Timber and Round Jungle Timber Props 100 - 150 mm Dia. Including Dismantling	m2	4,298.10
ST-066	Laying & Jointing 152mm Dia. Concrete Pipes (Transport and Bedding Material paid separately) [SSCM 707.3(c) - 707.4]	m	4,190.20
ST-067	Laying & Jointing 229 mm Dia. Concrete Pipes (Transport and Bedding Material paid separately) [SSCM 707.3(c) - 707.4]	m	5,353.35
ST-068	Laying & Jointing 305 mm Dia. Concrete Pipes (Transport and Bedding Material paid separately) [SSCM 707.3(c) - 707.4]	Lm	7,682.40
ST-069	Laying & Jointing 450mm Dia. Concrete Pipes (Transport and Bedding Material paid separately) [SSCM 707.3(c) - 707.4]	Lm	9,108.65
ST-070	Laying & Jointing 610mm Dia. Concrete Pipes (Transport and Bedding Material paid separately) [SSCM 707.3(c) - 707.4]	m	11,777.85
ST-071	Laying & Jointing 915mm Dia. Concrete Pipes (Transport and Bedding Material paid separately) [SSCM 707.3(c) - 707.4]	Lm	20,623.75
ST-072	Laying & Jointing 1220mm Dia. Concrete Pipes (Transport and Bedding Material paid separately) [SSCM 707.3(c) - 707.4]	Lm	36,237.40
ST-073	Laying & Jointing 152 mm Dia. Available Concrete Pipes and Collars	Lm	1,485.25
ST-074	Laying & Jointing 229 mm Dia. Available Concrete Pipes and Collars	Lm	1,599.25

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ItmCode	Description	Unit	Rate
ST-075	Laying & Jointing 305-450 mm Dia. Available Concrete Pipes and Collars	Lm	1,731.60
ST-076	Laying & Jointing 610 mm Dia. Available Concrete Pipes and Collars	Lm	3,376.20
ST-077	Laying & Jointing 915 mm Dia. Available Concrete Pipes and Collars	Lm	5,869.65
ST-078	Laying & Jointing 1220 mm Dia. Available Concrete Pipes and Collars	Lm	8,450.50
ST-079	Fixing new Bridge plank runners and stacking old planks (Available) [SSCM 1402.2(a)]	Nos	2,029.50
ST-080	Removing & Re-Setting old Bridge Planks	Nos	1,268.45
ST-081	Supplying & Fixing new Bridge Planks of Class I Timber	dm3	343.70
ST-082	Supplying & Fixing 31 mm Thick Deck Planks of Class I Timber	m2	13,335.35
ST-083	Fixing New Chequered or M.S. Plates on Timber - Decked Bridge [SSCM 1402.2(d)]	No	2,994.35
ST-084	Removing & Refixing Chequered M.S. Plates on Timber-Decked Bridge	Lm	3,992.45
ST-085	Tightening Bolts & nuts of Chequered of M.S. Plates	Lm	609.96
ST-086	Removing & Refixing "U" Clips. [SSCM 1402.2(b)]	Lm	430.50
ST-087	Cleaning, Wire Brushing & Painting Steelwork, One Coat Enamel Paint	m2	644.12
ST-088	Cleaning, Wire Brushing & Applying Tar on Steelwork, One Coat	m2	596.58
ST-089	Cleaning, with Cotton Waste and Painting Steel Work with Enamel Paint, One Coat	m2	429.88
ST-090	Chipping to Bare Metal etc. & Painting with Anticorrosive Paint, One Coat	m2	1,933.80
ST-091	Painting with One Coat of Enamel Paint after Cleaning, Derusting & Application of One Coat Anticorrosive Paint[SSCM 1401.3(C)]	m2	1,477.30
ST-092	Painting with Two Coats of Enamel Paint, after Cleaning, Derusting & Application of One Coat Anticorrosive Paint	m2	1,859.50
ST-093	Oiling Steel Cables on Suspension Bridges [SSCM 1405.3]	m2	3,013.90
ST-094	Cleaning Booms of Steel Bridges including Scaffolding where Necessary [SSCM 1401.3]	Lm	161.09
ST-095	Demolishing Unreinforced Cement Concrete Including Cleaning of Debris in Foundation and Superstructure in Dry Condition Excluding Under Water Structures [SSCM 202.2]	m3	6,968.90

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ItmCode	Description	Unit	Rate
ST-096	Demolishing Reinforced Concrete and Debris Cleared	m3	9,880.90
ST-097	Demolishing Reinforced Concrete in Very Heavy Structures Build Up of Grade 30 Above Concrete in Work Such As Bridge Beams & Deck Slabs, Including Collecting and Removing	m3	34,238.60
ST-098	Supplying and Fixing M.S. Dowels Spliced and Dove Tailed wih Wedge at One End, 16mm dia, and 1m long, Boring Holes to 0.3m Depth in Fixing	No	1,666.10
ST-099	Supplying and Fixing M.S. Dowels, Spliced and Dove Tailed with Wedge at One End, 20mm dia, and 1m Long, Boring Holes to 0.3m Depth in Fixing.	No	2,097.75
ST-100	Supplying & Fixing M.S.Dowels, Spliced and Dove Tailed with Wedge at One End, 25mm dia, and 1m Long. Boring Holes to 0.3m Depth in Fixing.	No	2,831.20
ST-101	Lay Std. Type Road Kerbs 125mmX900mm Set on19mm thick 1:3 Cement Mortar Layer on 150mmX275mm 1:2:4(19) Conc Found. With av. 157mmX150mm Wide Backing with same conc incl excavation and shuttering (Cost of Kerb stones incl trans & agg. trans pay separately	Lm	5,175.65
ST-102	Lay Standard Precast Bridge Kerbs [Type Drawing No T/B/106- Rev 1 of RDA](Cost of Precast Kerbs incl Transport to be Paid Separately)	Lm	1,114.30
ST-103	Constructing 150 x 50 mm Thick insitu lower kerb in grade 20 (14 MM) concrete for bridges: (Aggregate transport to be paid separately)	Lm	596.95
ST-104	Laying 450 X 450 X 50 mm Precast Concrete Slabs on Foot Walks Including av. 40mm Thick 1:3 Cement Mortar Bedding (Cost of precast Slabs & Transport Paid Separately)	m2	4,025.80
ST-104A	Mixing 1:3 Cement Sand Mortar Using a Mixer	m3	39,898.35
ST-104C	Test Description	m2	1,931.10
ST-105	Laying 450 x 450 x 50 mm Precast Concrete Slabs on Foot Walks Including av.40mm Thick Sand Bedding (Cost of Precast Slabs and Transport to be Paid Separately)	m2	2,337.30
ST-106	Fixing Precast Hand Railing and Uprights Using Grade 25(19mm) Concrete Including Formworks for Pockets (Cost of Precast Items & Transport and Aggr.Transport paid Separately)[Type Dwg No T/B/102/B]	Lm	3,182.10

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ItmCode	Description	Unit	Rate
ST-107	Construction of RCC Grade 25(19mm) End Pillaster, Type I(Agg. Transport & Iron piling to be Paid Separately) [Type Dwg No T/B/106-Rev 1]	No	99,552.00
ST-108	Construction of RCC Grade 25(19mm) End Pillaster, Type II(Agg. Transport & Iron piling to be Paid Separately) [Type Dwg No T/B/106-Rev 1]	No	112,970.30
ST-109	Construction of RCC Grade 25(19mm) End Pillaster, Type III(Agg. Transport & Iron piling to be Paid Separately) [Type Dwg No T/B/106-Rev 1]	No	63,934.10
ST-110	Construction of RCC Grade 25(19mm) End Pillaster, Type IV (Agg. Transport to be Paid Separately) [Type Dwg No T/B/106-Rev 1]	No	68,723.90
ST-111	Laying of Grade 20 Concrete Precast pin Kerbs in Grade 20(19) Concrete Foundation as Edging (Aggregate transport to be Paid Separately)	Lm	1,691.30
ST-112	Supplying and Fixing 25mm Thick Tongue and Grooved Planks with 50x50mm Struts of Class 1 Timber in Panels as Smooth Shuttering for Concrete Drains(12 uses)	m2	2,896.10
ST-112A	Fabrication and for necessary repairs including timber per 1 use part A of ST 112	No	18,632.85
ST-113	Supply and Packing 50-200 mm Dry Stone lining Behind Abutments and wing walls (Aggregate Transport to pay separately)	m3	6,066.60
ST-114	Laying Geotextile on Prepared Surface (Supply and Transport of geotextile to pay Separately)	m2	134.56
ST-115	Construction of Gabion Wall Using 4x1x1m Mesh Including Lacing Wire on Prepared Ground.(Supply and Transport of Gabion Mesh to be Paid Separately);	m3	12,393.85
ST-116	Construction of Gabion wall Using 4x1x0.5 m mesh including Lacing Wire on Prepared Ground (Supply and Transport of Gabion Mesh to be Paid Separately)	m3	13,337.10
ST-117	Construction of Kerb Inlet Type - K1/T1 With Cover Slabs as per RDA Drawing Aggregate Transport to pay Separately(1.2m length)	No	23,852.60
ST-118	Additional Labour For Pouring, Compacting and Levelling Concrete in Screed Under Foundation Slabs	m3	1,874.90
ST-119	Additional Labour For Pouring, Compacting Concrete in Abutments , Wingwalls, Capping Beams of Piers and Foot walks of Bridges	m3	578.82
ST-120	Additional Labour For Pouring, Compacting and Levelling infiller Concrete between Bridge Beams including screed of Bridge Beams	m3	2,772.00

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ItmCode	Description	Unit	Rate
ST-121	Laying Ready mixed grade concrete including vibration (Supply of concrete to be paid separately)	m3	3,976.85
ST-122	Supplying and laying Approved Hard Rubber Bearing Pads 75mm x 12mm Over Capping Beams and Under the Approach Slabs	Lm	6,219.65
ST-123	Bitumenous Sealing Material Supplied and Laid Under Beam ends to Prevent Grout leak on to Capping Beam inclusive of Transport of Emulsion	Lm	302.96
ST-124	150mm Dia. Polythene Displacers Supplied and Filled with Saw Dust or Similar Light Material in Deck. Transport of Saw Dust to be Paid Separately	m	89.48
ST-125	230mm Dia. Polythene Displacers Supplied and Filled with Saw Dust or Similar Light Material in Deck. (Transport of Saw Dust to be Paid Separately)	m	155.77
ST-126	325mm Dia. Polythene Displacers Supplied and Filled with Saw Dust or Similar Light Material in Deck. (Transport of Saw Dust to be Paid Separately)	m	247.93
ST-127	PCC Beams 16.15m launched in to position	Beam	50,476.05
ST-128	PCC Beams 13.41m & 12.19m long launched in to position	Beam	31,654.90
ST-129	PCC Beams 10.67m,9.75 & 8.23m long launched in to position	Beam	26,991.40
ST-130	PCC Beams 7.01m,6.09m,5.18m,4.26m & 3.35m long launched in to position	Beam	20,681.90
ST-131	M.S Angle iron and hard rubber expansion joints as per drawing no. T/B/107 rev.1	m	21,022.70
ST-132	Transport of 355x355x9144mm RCC piles to the site (excluding unloading and stacking)	NoKm	240.20
ST-133	Stacking of 355x355x9144mm RCC piles	Nos	15,810.60
ST-134	Transport of 305x200x6100 mm RC sheet piles to the site (excluding unloading and stacking)	Nokm	53.51
ST-135	Stacking of 305x200x6100 mm RC sheet piles	No	7,423.25
ST-136	Driving of 305x200x6100 mm RC sheet piles using hand monkey	m	16,430.95
ST-137	Saturated Sand filling	m3	9,618.80
ST-138	Stacking of P.S.C. Beam 16.15m (53ft) long	Beam	31,621.20
ST-139	Transport of P.S.C. Beam 16.15m(53ft) long to the site	BeamKm	480.41
ST-140	Stacking of P.S.C. Beam 13.41m(44ft) or 12.19m(40ft) long	Beam	22,269.80
ST-141	Transport of P.S.C. Beam 13.41m(44ft) or 12.19m(40ft) long to the site	BeamKm	320.27

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ItmCode	Description	Unit	Rate
ST-142	Stacking of P.S.C. Beam 10.63m(35ft) or 9.75m(32ft) or 8.23m(27ft) long	Beam	16,702.35
ST-143	Transport of P.S.C. Beam 10.63m(35ft) or 9.75m(32ft) or 8.23m(27ft) long to the site	BeamKm	240.20
ST-144	Stacking of P.S.C. Beam 7.01m(23ft) long	BeamKm	11,134.90
ST-145	Transport of P.S.C. Beam 7.01m(23ft) long to the site	BeamKm	160.14
ST-146	50mm thick cover slabs for service ducts in grade 25(20) concrete inclusive of light reinforcement	m2	6,190.15
ST-147	110mm dia type 400 P.V.C Service duct supplying & fixing in deck	Lm	2,889.70
ST-148	110mm dia type 250 P.V.C rain water outlets supplied and fixed through deck	Lm	2,401.05
ST-149	50mm dia type 400 P.V.C drain pipe supplied and fixed through deck	Lm	1,265.45
ST-150	25mm dia type 1000 P.V.C drain pipe supplied & fixed through deck	Lm	700.71
ST-151	Paving interlocking concrete blocks (Grade 25/(222 X 111 X 80mm)) including spreading & levelling of quarrydust layer 50mm thick (Compacted thickness) the spaces between concrete blocks should be filled with quarry dust (space normaly 2-5mm) including transport of 20km. Edgeline concrete is not include.	m2	5,025.00
ST-152	Paving interlocking concrete blocks (Grade 30/(222 X 111 X 80mm)) including spreading & levelling of quarrydust layer 50mm thick (Compacted thickness) the spaces between concrete blocks should be filled with quarry dust (space normaly 2-5mm) including transport of 20km. Edgeline concrete is not include.	m2	5,365.00
Km Post and Guard Stone			
RF-001	Whitewashing two coats to Guide/Guard Stones	No	153.95
RF-002	Whitewashing to km post including numbering and tar skirting	No	1,647.80
RF-003	Painting white background on parapets etc and stencilling number	No	614.51
RF-004	Fixing guard stones in any soil	No	445.88
RF-005	Casting staandard kilometer stones with RCC (1:2:4[19mm]) and 282.5 kg/m3 Cement including curing (for Class A and B roads)	No	12,458.35

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ItmCode	Description	Unit	Rate
RF-006	Casting standard kilometer stones with RCC (1:2:4[19mm]) and 282.5 kg/m ³ Cement including curing (for Class C and D roads)	No	8,307.85
RF-007	Fixing standard type km stone in any type of soil	No	3,326.50
RF-008	Fixing new or re-fixing Type guard stones in cement concrete 1:3:6 (37.5mm) and Cement 219 kg/m ³ with minimum cover 75mmx300mm depth	No	1,683.90
RF-009	Casting standard type guard stone in concrete (1:2:4 (19mm) and and Cement 282.5 kg/m ³)	No	4,378.05
RF-009A	Casting standard type guard stones in Grade 25(19) as per Dwg No T/B/100-Rev 01, for Bridges and Culverts	No	6,010.95
RF-009B	Timber Framework For Mould (Part 1 of RF1-009A) analysis for 30 moulds for 20 uses	No	15,486.75
RF-009C	Round bars for making 20 mm holes (Part 2 of RF1-009A) as per the Drawing	No	1,500.90
RF-009D	Cleaning mould, fixing, concteting and curing for 07 days (Part 03 of RF-009A)	No	164,691.90
RF-009P	Timber formwork for mould (30 moulds for 1 use) Part 1 of RF-009A	Use	15,486.75
RF-009Q	Round bars for making 20mm dia holes as per drawing (30 moulds for 1 use) Part 2 of RF-009A	Use	150.09
RF-009R	Cleaning mould, fixing concreting and curing for 7 days Part 3 of RF-009A	No	164,691.90
RF-010	Route numbering with reflective paint on two sides (Reflective paint to be paid separately)	No	1,344.75
RF-011	Casting standard boundary makers in reinforced concrete (1:2:4 [19mm]) with admixures including 14 days curing and loading to vehicle at yard (Agg transport to be paid separately)	No	3,686.60
RF-011A	Steel formwork for standard bounday marker for 01 use	No	9.83
	Road Signs		
RS-001	Notice and Traffic Sign Board etc fixed in concrete [1:3:6(37.5mm)] and cement 219 kg/m ³ [Excluding transport of aggregate]	No	3,119.25
RS-002	Cleaning and Whitewashing 2 coat town name boards (incl. Tar Skirt)	Nos	911.53
RS-003	Cleaning, painting, one coat and Re-lettering etc on traffic sign boards inc. paint, post in B/W	Nos	4,785.50
RS-004	Cleaning and painting one coat on notice board	m ²	779.93
RS-005	Lettering and Numbering below 50mm Size	Nos	113.81

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ItmCode	Description	Unit	Rate
RS-006	Lettering and Numbering 50-75mm Size	Nos	136.58
RS-007	Lettering and Numbering 75mm - 150 mm Size	m2	170.72
RS-008	Lettering and Numbering 150mm - 225mm Size	Nos	227.63
RS-009	Painting 2 coats continuous centreline 100mm wide with enamel paint	Lm	326.63
RS-010	Painting 01 coat continuous centreline 100mm wide with road marking paint (white)	Lm	345.47
RS-011	Paintiang 2 coats broaken centerline 100mm wide with enamel paint	Lm	301.32
RS-012	Painting 01 coat broken centreline,(without reflective studs) 100 mm wide at 3meter intervals with road marking paint (white)	Lm	316.03
RS-013	Barricading with empty hot tar barrels including white washig, transporting, and cost of barrels	Nos	611.06
RS-014	Rivetment to Banks etc with empty tar barrels in horizontal tiers with vertical batter 1:8 including transport of barrels	No	1,521.15
RS-015	Road marking continuous center line 100mm width, using thermoplastic paint (White), inclusive barricading (Paint material and reflective glass beads to be paid separately)	m2	655.19
RS-016	Road Marking, standard pedestrian crossing using thermoplastic paint (Yellow) [Paint material and reflective glass beads to be paid separately]	Lm	660.20
RS-017	Road Marking Continuous Edge line 100 mm Width, using Thermoplastic paint (White) , Inclusive Barricading.	m2	3,670.30
RS-018	Road Marking Standard Pedestrian Crossing, using Thermoplastic paint, Inclusive Barricading. (width 0.5m)	Lm	3,004.40
	Miscellaneous		
MS-001	Preparing Stock Piling Premix Using 80/100 Pen, Grade Bitumen (Excl. Transport of Aggregate)(Site Made)	m3	37,697.20
MS-002	Patching Shallow Pot Holes. Depth Less than 20mm using 80/100 hot bitumen 1.2ltr/Sq.m & 12.5mm chips single size @ 13.75 cu.deci m/sq.m incl. hand tamping(rate including cost of bitumen & material) (Excl. Transpt. of Aggregate & Bitumen)	m2	577.11
MS-003	Patching Shallow Potholes, Depth Less Than 20mm Using 10-20% Cutback 80/100 Bitumen 1.2ltr/Sq.m and 12.5mm Chips, Single Size at the rate of 13.75 Cu.Deci	m2	618.60

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ItmCode	Description	Unit	Rate
MS-003A	Preparation of 10%-20% cut back bitumen Part A of Item No MS-003	ltr	267.35
MS-004	Patching shallow pot holes,depth less than 20mm using CRS1 @ 1.2Ltr/Sq.m & 12.5mm single size @ rate of 13.75cu.deci m/sqm incl. hand tamping trans.of emulsion to site etc. Rate incl. cost of emulsion and other materials) (Excl. trans of agg.)	m2	513.78
MS-005	Patching pot holes of Medium depth of 20-75mm with Premix (Site Made) using Cutback 80/100 10-20% @ Rate of 83.5 Ltr/Cu.m of 19mm Down gauge stone Agg. incl preparation of Surface, CSS1 @.75Ltr/Sq.m, Trimming Sides,Tamping etc Excl. trans. of Agg.	m2	3,985.40
MS-005A	Preparation of pot holes - Part A of the Item MS-005	m2	403.16
MS-005B	Patching pot holes including tack coat, Part B of Item MS-005	m2	936.07
MS-005C	Preparation of premix with 10-20% cut back bitumen(80/100) (excluding transport of aggregate) - Part C of Item MS-005	m3	39,495.05
MS-006	Patching Potholes using Plant Made Premix Bound Base (with 60/70 binder) Including Sealing the patching with emulsion (CRS-1) painting @ 7.3 ltr/m.ton cover with sand (Transport of premix paid separately)	MT	27,355.40
MS-007	Patching potholes of medium depth of 20-75mm using graded aggregate 19-12.5mm using hot bitumen 80/100 @ 2ltr /m2 covered with blotting material at the rate of 1 m3 per 125 m2 including preparation of surface, tack coat with CSS-1 at .75 ltr/m2 trimming sides laying aggregate tamping etc. complete [rate inclusive of aggregate and tack coat but excluding transport of aggregate and bitument]	m2	2,537.75
MS-008	Patching Potholes Deeper Than 75mm with Premix (Site Made) to Depth 37.5mm(Over the Prepared Surface with Agg and Gravel Paid Separately) Using 10-20% Cutback 83.5Ltr/Cu.m of 19mm down Agg CSS1 .75Ltr/Sq.m Tack coat (Excl. trans Agg & Bitu)	m2	2,239.40
MS-009	Patching pot holes more than 75mm deep with water bound gravel using 50mm or 12.5 mm single size agg. along with useable old agg obtained from picking and preparation of surface of approved quality (Agg & gravel would be paid separately)	m2	122.59

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ItmCode	Description	Unit	Rate
MS-010	Patching Ruts and Depressions Upto 75mm Depth Using Site Made Cold Mix(Cut Back) Material With the Surface and Edge Prepared as Per Specifications & CSS1 @ .75Ltr/Sq.m Tack Coat (Exclude Transport of Agg.)	m2	3,633.40
MS-010A	Preparation of surface Part A of Item MS-010	m2	51.14
MS-011	Patching Ruts and Depressions Upto 75mm Depth Using Plant Made Cold Mix (60/70 Cut Back) Material with the surface and edge prepared as per spec & application of tack coat with emulsion (CSS-1) @.75Ltr/Sq.m (cold mix transport will be paid separately)	m2	3,161.25
MS-012	Patching ruts and depressions deeper than 75mm. The surface and edges prepared as per specifications tack coat with emulsion (CSS-1) @ 0.75 ltr/m2, trimming sides, 50mm down aggregate daid and compacted and the top 40mm laid and compacted with site made cold mix(cut back) material (supply of 50mm down aggregate and transport of all aggregate will be paid separately)	m2	4,058.25
MS-012A	Laying & compacting 50mm down gauge aggregate - Part A of Item MS-012	m2	23,259.00
MS-012C	Laying and Compacting 50mm down Aggregate (Part C of MS1-012)	m2	8,352.30
MS-013	Patching ruts and depressions deeper than 75mm. The surface and edges prepared as per specifications tack coat with emulsion (CSS-1) @ 0.75 ltr/m2, trimming sides, 50mm down aggregate laid and compacted using hot bitumen (80/100) @ 2 ltr/m2 covered with blotting material (Sand) at the rate of 1 m3/125 m2 (Aggregate will be paid separately)	m2	3,175.00
MS-014	Patching ruts and depressions deeper than 75mm. The surface and edges prepared as per specifications tack coat with emulsion (CSS-1) @ 0.75 ltr/m2, trimming sides, 50mm down aggregate laid and compacted using hot bitumen (80/100) @ 2 ltr/m2 covered with blotting material (Sand) at the rate of 1 m3/125 m2 (Aggregate will be paid separately)	m2	3,942.55

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ItmCode	Description	Unit	Rate
MS-015	Correcting and strengthening of the edges of road with site made cold mix 40mm thick prepared using cutback bitumen 10-20% at the rate of 83.5 ltr/m3 of 19mm down aggregate over a tack coat using emulsion 0.75 ltr/m2 aaid over 50mm and down aggregate laid on position watered and compacted including earthworks excavation to a with of 225mm and depth of 125mm (Cost of aggregate and transport to be paid separately)	m2	5,453.00
MS-015A	Laying 50mm down gauge aggregate & compaction- Part A of the item MS-015	m3	23,727.00
MS-015B	Laying 50mm down gauge aggregate and compaction (Part B of item MS1-015)	m3	8,384.10
MS-016	Correcting and strengthening of the edges of road with site made cold mix 40mm thick prepared using cutback bitumen 10-20% at the rate of 83.5 ltr/m3 of 19mm down aggregate over a tack coat using emulsion 0.75 ltr/m2 aaid over 50mm and down aggregate laid on position watered and compacted including earthworks excavation to a with of 225mm and depth of 125mm (Aggregate 100mm 50mm down and transport paid separately)	m2	6,658.75
MS-016A	Earthwork excavation to a depth of 225mm and 225mm width as per E1-003 (Part A of item MS1-016)	m2	10,076.25
MS-017	Patch Sealing with emulsion painting the surface by spray of CRS1 @ .75ltr/sq.m squeegeing the emulsion and spreading the blotton material (Sand) at the rate of 1 Cu.m/125 Sq.m	m2	279.94
MS-018	Patch Sealing with hot Bitumen painting the surface by Using .75ltr/sq.m squeegeing the bitumen and spreading the blotton material (Sand) at the rate of 1 Cu.m/125 Sq.m (Transport of bitumen paid seprately)	m2	320.26
MS-019	Patch sealing of pitted surface using hot sand bitumen (80/100) mix 104 ltr/m3 of sand spread and hand tamped including brushing and cleaning the surface before application (Excluding transport of bitumen)	m2	740.28
MS-019A	Preparing Sand Bitumen Mix, Part A of Item MS-019	m3	42,165.90
MS-019B	Cleaning, Brushing, Spreading & Tamping , Part B of Item MS-019	m2	107.79
MS-020	Patch sealing pitted surface with emulsion sand slurry using CRS-1 or CRS-2 at the rate of 136.5 ltr/m3 of sand mix properly aid levelled and squeegeed including brushig and cleaning the surface before application	m2	716.26

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ItmCode	Description	Unit	Rate
MS-020A	Preparation of Emulsion - Sand slurry (Part A of item MS1-020)	m2	41,490.05
MS-020B	Clening brushing laying etc(Part B of item MS1-020)	m2	93.90
MS-021	General upkeep of Road sides Including Maintaining the Right of way in a Neat Condition by Trimming, Weeding & Clearing of the Road Siddes, Drains , Drainage Structures, Scupper Drains & Cleaning Minor Slips	m2	61.31
MS-022	Cleaning ordinary Jungle Including Removing High Growing Plants and Trees of Girth < 300 mm other than those designated to remain.by Uprooting or by Cutting and then uprooting the Stumps or by Cutting only as Directed (SSCM 1203.2)	m2	7.46
MS-023	Cleaning medium Jungle Including all Removing High Growing Plants and Trees of Girth < 300 mm other than those designated to remain by Uprooting or by Cutting and then uprooting the Stumps or by Cutting only as Directed	m2	10.37
MS-024	Cleaning heavy Jungle Including Removing all High Growing Plants and Trees of Girth < 300 mm other than those designated to remain.by Uprooting or by Cutting and then uprooting the Stumps or by Cutting onlyas Directed	m2	13.28
MS-025	Repairs to Damage of Shoulders verges & Embkments slopes incl making good depressions,ruts,holes & Erosion path with approved gravelly soil & compacting same with roller(8-10 ton)as Directed(Gravel soil paid seprtly if brought outside (SSCM1201.3)	m3	1,263.90
MS-026	Regradg & Regravellg of shoulders with gravel of appved Quality, duly comptd with Roller (8-10 ton) as directd for Repairing high sides Caused by heavings deposits & Construtn Debries, to Reqd lvs by usng a grader (120-140hp)(grvl pd seprtly) SSCM1201.3(b)	m3	795.94
MS-027	Regradg and Regravellg of shoulders with gravel of appvd Quality, duly compacted with Roller (8-10 ton) as directed for Repairing high side Caused by heavng deposit & Constrton Debris, to Reqd lvl manually (Gravel(loose volume) paid seprtly) SSCM1201.3(b)	m3	1,435.70

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ItmCode	Description	Unit	Rate
MS-028	Repalacing the damaged cracked concrete slab in the foot walks with precast/cast insitu cement concrete 1:2:4(19mm) using 19mm and down gauge stone aggregate to a minimum thickness of 50mm includitng fixing/laying in position in cement mortar 1:3 joints over a compacted bed etc.(Excluding of transport of aggregate)(SSCM-1204.3)	m2	4,687.60
MS-029	Cutting and Removing Fallen Trees upto 600 mm Girth Including Cutting into Reqd number of Pieces Incl Disposal as Directed. min Pieces Shall not be <2.5m length(SSCM 1203.2)	Nos	1,560.55
MS-030	Cutting and Removing Fallen Trees 600 - 900 mm Girth Including Cutting into Required number of Pieces Including Disposal as Directed. minimum Pieces Shall not be less than 2m(SSCM 1203.2)	Nos	2,229.40
MS-031	Weeding Masonry Culverts Small Bridges and Retaining Walls (SSCM 1303.3)	Nos	507.45
MS-032	Masonry Random Rubble with Boulders includign Collect (SSCM 1006.3(b))	m3	3,029.30
MS-033	Fixing cats Eyes in Tar Macadm Including Breaking road Surface, Barricade etc.[SSCM 810-.3(c)]	Nos	843.75
MS-034	Reducing High Sides in Ordinary Soil [SSCM 301.3/1201.3(c)]	m3	1,398.25
MS-035	Reducing High Sides in Medium Soil	m3	2,028.45
MS-035A	Reducing High Sides in Medium Soil using Motor Grader	m2	117.76
MS-036	Reducing High Sides in Hard Soil	m3	2,658.65
MS-037	Reducing High Sides in Soft Rock	m3	3,288.90
MS-038	Reducing High Sides in Rock Requiring Blasting	m3	7,553.60
MS-039	White Washing 1 Coat to Parapets of Bridges and Culverts (SSCM 1403.3(e))	m2	100.90
MS-040	White Washing 2 Coats to Parapets of Bridges and Culverts	m2	171.74
MS-041	White Washing 1 Coat to Parapets of Bridges and Culverts after cleaning & attending to minor repairs	m2	146.00
MS-042	White Washing 2 coats to Parapets of Bridges and Culverts after cleaning Attending to minor Repairs	m2	223.28
MS-043	Painting with Emulsion 1 Coat to Parapets of Bridges and Culverts, Guard Stones and KM Posts After Cleaning and Attending to Minor Repairs [SSCM 1501.3(a)-(v)]	m2	422.09

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ItmCode	Description	Unit	Rate
MS-044	Painting with Enamel 1 Coat to Parapets of Bridges and Culverts, Guard Stones and KM Posts After Cleaning and Attending to Minor Repairs [SSCM 1501.3(a)-(v)]	m2	564.38
MS-045	Painting with Enamel 2 Coats to Parapets of Bridges and Culverts, Guard Stones and KM Posts After Cleaning and Attending to Minor Repairs [SSCM 1501.3(a)-(v)]	m2	940.28
MS-046	Painting with Emulsion 2 Coat to Parapets of Bridges and Culverts, Guard Stones and KM Posts After Cleaning and Attending to Minor Repairs [SSCM 1501.3(a)-(v)]	m2	714.08
MS-047	Painting with Emulsion 1 Coat to Parapets of Bridges and Culverts, Guard Stones and KM Posts Including Preparing Surface of Old Work [SSCM 1501.3(b)-(v)]	m2	385.55
MS-048	Painting Sub Coat Emulsion to Parapets of Bridges and Culverts, Guard Stones and KM Posts Including Preparing Surface [SCM 1501.3(b)-(v)]	m2	339.85
MS-049	Painting 1 Coat Emulsion Paint to Parapets of Bridges and Culverts, Guard Stones and KM Posts Including Preparing Surface of New Work [SSCM 1501.3(b)-(v)]	m2	355.36
MS-050	Cleaning & Painting 100 MM wide stripe for skirting to guard stones.(SSCM 1501.3(b)(v)) :	m	196.76
MS-051	Painting 2 Coats Standard Pedastrian Crossing for Carriageway [SSCM 810.2(c)]	Lm	4,943.50
MS-052	Painting 1 Coat Standard Pedestrian Crossing for Carriageway Using Road Marking Paints [SSCM 810.2(c)]	Lm	5,430.30
MS-053	Erecting, Barricading in Jungle Timber 75-100 mm Dia, Vertical Posts at .9m Centres and 1.2 Above Ground including White Washing. [SSCM 1709]	Lm	814.91
MS-054	Temporary Scaffolding for Painting or Tarring Bridges and for Weeding on Bridges or Retaining wall Including Dismantling after work. [SSCM 1008.3(a)]	m2	291.23
MS-055	Roughening Existing Smooth tarred Metalled Carriageway by hand for Bonding , Collecting Disposal of all Loose Materials [SSCM 403.3(b)]	Sq	41.66
MS-056	Supply of Diesel for Machinerries (Ex-filling station)	ltr	435.60
MS-057	Patching road with Premix(Loose Volume) after Prep, Surface with Emulsion (CSS-1) at .75 ltr/sq.m at tack Coat Incl internal Transport and Hand Stamping. (Supply of premix (Loose Volume) Paid Separately) [SSCM 1102.3(b)(i)]	m3	13,872.80

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ItmCode	Description	Unit	Rate
MS-058	Patching road with Premix after Prep, Surface with Emulsion (CSS-1) at .75 ltr/sq.m at tack Coat Incl internal Transport and Tamping with machine. (Supply of premix Paid Separately) [SSCM 1102.3(b)(i)]	M.T	14,078.75
MS-059	Painting two Coats Enamel Paint on Kerbs, After Cleaning and Preparing Surface	m2	990.26
MS-060	Preparing and Stock Piling Premix at site using 12.5mm Aggregate and Emulsion (Excluding Transport of Aggregate)	m3	29,539.10
MS-061	Breaking Manually Asphalt layer 2"-3" Thick on the Carriageway for Kerb Laying	Lm	1,021.15
MS-068	Preparing and Stock piling Premix with 10-20% cut back bitumen (including Transport of Aggregate)	m3	39,633.25
MS-070	Preparation of 10-20% cut back bitumen (without OH&P)	litre	267.35
MS-071	Premix patching by using 1/2 VB roller with 10-20% cut back bitumen for tack coat	m3	14,530.90
	Surveying & Day Works		
SV-001	Supply of Unskilled Labour	Day	3,480.00
SV-002	Supply of Semiskilled Labour	Day	3,780.00
SV-003	Supply of Skilled 'A' grade Labour	Day	4,920.00
SV-004	Supply of Skilled 'B' grade Labour	Day	4,560.00
SV-005	Clearing Jungle (Light) to width of 1.22 meters for survey work	km	13,293.15
SV-006	Clearing Jungle (Medium) to width of 1.22 meters for survey work	km	17,724.20
SV-007	Clearing Jungle (heavy) to width of 1.22 meters for survey work	km	26,586.35
SV-008	Supply of labour for Chaining and cutting pegs and pegging	km	3,609.80
SV-009	Levelling chaining and pegging and Establishing bench marks on concrete rock or pegs and checking back levels	km	7,219.55
SV-010	Surveying including fixing picket sand taking angles	km	7,219.55
SV-011	Changing traverse lines and taking off-sets	km	9,626.10