

**RATES FOR
ROAD WORKS**

Road Works Rate - 2023

| 7.1 GENERAL SPECIFICATIONS FOR ROAD WORKS | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------|-----------------|-------------|------------|-----------|-----------|
| <ul style="list-style-type: none"> Standard Specification for Construction and Maintenance of Roads and Bridges (SSCM). CIDA publication No. SCA/5 second edition June 2009 | | | | | | | |
| 7.2 SECTION I – H.S.R. – SCHEDULE OF PRICES | | | | | | | |
| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| 7.2.1 HIRE CHARGES (Wet lease basic - including operator) | | | | | | | |
| B0-101 | Tar boiler (heating with firewood) (less operator) * | Day (6hrs) | | | | 100.00 | 100.00 |
| B0-102 | Concrete / asphalt mixer (400 Ltrs) | Day (6hrs) | | | | 9,409.73 | 9,409.73 |
| B0-103 | Bitumen sprayer (less operator) * | Day (6hrs) | | | | 110.00 | 110.00 |
| B0-104 | Water tank + 50 mm. pumb (less operator) * | Day (6hrs) | | | | 4,691.16 | 4,691.16 |
| B0-105 | Welding plant engine driven: with welder | Day (6hrs) | | | | 17,209.70 | 17,209.70 |
| B0-106 | Porker vibrater (less operator) | Day (6hrs) | | | | 2,420.66 | 2,420.66 |
| B0-107 | Plate compactor (90 kg) (less operator) | Day (6hrs) | | | | 4,636.65 | 4,636.65 |
| B0-108 | Vibrating rammer (60 kg) (less operator) | Day (6hrs) | | | | 4,039.47 | 4,039.47 |
| B0-109 | Vibrating roller (1/2 - 1 Ton) | Day (6hrs) | | | | 9,743.06 | 9,743.06 |
| B0-110 | Vibrating roller (Smooth - 10 Tons) | Day (6hrs) | | | | 46,500.00 | 46,500.00 |
| B0-111 | Smooth / road roller (8 - 10 Tons static) | Day (6hrs) | | | | 24,750.00 | 24,750.00 |
| B0-112 | Pneumatic road roller (8 - 10 Tons) | Hour | | | | 6,775.00 | 6,775.00 |
| B0-112-A | Vibrating roller (0.75 - 1.25 Ton) | Day | | | | 13,425.00 | 13,425.00 |
| B0-113 | Motor grader (65 Hp) | Day (6hrs) | | | | 32,430.47 | 32,430.47 |
| B0-114 | Motor grader (120 - 140 Hp) | Day (6hrs) | | | | 56,400.00 | 56,400.00 |
| B0-115 | Backhoe loader (Jcb) | Day (6hrs) | | | | 37,514.63 | 37,514.63 |
| B0-116 | Wheel loader (1.4 Cu.m) | Day (6hrs) | | | | 39,159.97 | 39,159.97 |
| B0-116a | Wheel loader (1.7 Cu.m) | Day (6hrs) | | | | 40,370.00 | 40,370.00 |
| B0-117 | Tractor & Trailer (3ton:) | Day (6hrs) | | | | 14,300.00 | 14,300.00 |
| B0-118 | Lorry / Tipper / Dt (Exceeding 10 km) | km/ Cu.m | | | | 41.73 | 41.73 |

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|-----------|----------------------------------------------------|-------------|-----------------|-------------|------------|-----------|-----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| B0-119 | -Do - (for less than 10 km. distances) | km/Cu.m | | | | 48.15 | 48.15 |
| B0-119 -1 | -Do - (for less than 03 km. distances) | km/Cu.m | | | | 46.54 | 46.54 |
| B0-120 | Transport of premix by dump truck | km/M. Tonne | | | | 30.49 | 30.49 |
| B0-120a | Transport of emulsion per 100 litres | km/100 Ltrs | | | | 3.21 | 3.21 |
| B0-121 | Sand / Chip spreader - propelled | Day (6hrs) | | | | 49,032.66 | 65,376.88 |
| B0-121a | Sand / Chip spreader - towed | Day (6hrs) | | | | 2,908.02 | 3,877.36 |
| B0-122 | Farm tractor & broom | Day (6hrs) | | | | 13,318.68 | 17,758.23 |
| B0-123 | Emulsion sprayer self-prop. (4000 litres) | Day (6hrs) | | | | 31,657.17 | 42,209.56 |
| B0-124 | Wheel loader (2.7 - 3.1 Cu.m) | Day (6hrs) | | | | 54,550.93 | 72,734.58 |
| B0-124a | Wheel loader (2.0 - 2.3 Cu.m) | Day (6hrs) | | | | 44,000.08 | 58,666.78 |
| B0-125 | Lorry 3 Ton (2.5 Cu.m)* | km | | | | 80.25 | 80.25 |
| B0-126 | Lorry 5 Ton (3.5 Cu.m)* | km | | | | 98.70 | 98.70 |
| B0-127 | Lorry 7 Ton (4.5 Cu.m)* | km | | | | 116.36 | 116.36 |
| B0-128 | Water bowser (6000 litres) | Day (6hrs) | | | | 19,775.00 | 19,775.00 |
| B0-129 | Asphalt paver (Crawler) | hrs | | | | 11,994.63 | 11,994.63 |
| B0-129a | Asphalt paver (Wheel) | hrs | | | | 11,950.83 | 11,950.83 |
| B0-130 | Tanker only (20,000 litres) | hrs | | | | 240.84 | 240.84 |
| B0-131 | Prime mover old (For 20,000 L Tanker) | hrs | | | | 10,823.72 | 10,823.72 |
| B0-131a | Prime mover new (For 30 T Trailer) | hrs | | | | 10,823.72 | 10,823.72 |
| B0-132 | Baby dumper .75 Cu.m (Less operator) | hrs | | | | 2,173.81 | 2,173.81 |
| B0-133 | Water pump 4" (With operator) | hrs | | | | 2,086.10 | 2,086.10 |
| B0-133a | Water pump 2" (Less operator) | hrs | | | | 1,128.79 | 1,128.79 |
| B0-134 | Sludge pump 4" (With operator) | hrs | | | | 2,788.62 | 2,788.62 |
| B0-135 | Vibrating roller (6 - 7 Tons) tandem | hrs | | | | 4,127.71 | 4,127.71 |
| B0-136 | Concrete mixer with load cell weight batcher 14/10 | Day (6hrs) | | | | 14,165.02 | 14,165.02 |
| B0-137 | Trolley emulsion (Less operator) | hrs | | | | 104.48 | 104.48 |

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| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | | |
|-------------------------------------------------------------------------|-------------------------------------------------|--------------|-----------------|-------------|------------|-----------|-----------|--|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar | |
| B0-138 | Sprayer emulsion hand cart | hrs | | | | 1,389.02 | 1,389.02 | |
| B0-139 | Road marker hand cart gas heater | hrs | | | | 1,628.46 | 1,700.00 | |
| B0-140 | Bitumen distributor 750 litres | hrs | | | | 2,628.89 | 2,628.89 | |
| B0-141 | Tank truck bitumen 10,000 ltr | hrs | | | | 6,893.42 | 6,893.42 | |
| B0-142 | Stone crusher 40 t/h | hrs | | | | 21,022.31 | 21,022.31 | |
| B0-143 | Track drill crawler | hrs | | | | 2,521.36 | 2,521.36 | |
| B0-144 | Compressor air 750 cfm | hrs | | | | 12,430.21 | 12,430.21 | |
| B0-145 | Slurry sealing machine | hrs | | | | 19,502.23 | 19,502.23 | |
| B0-146 | Mobile crane 25 ton | Day (6hrs) | | | | 12,104.26 | 12,104.26 | |
| B0-146 a | Mobile crane 30 ton – wet | Day (6hrs) | | | | 15,930.35 | 15,930.35 | |
| B0-147 | Asphalt plant 60t/h hot mix | hrs | | | | 33,724.61 | 33,724.61 | |
| B0-148 | Cold mix plant 15t/h | ITEM DELETED | | | | | | |
| B0-149 | Pickup truck 2wd | ITEM DELETED | | | | | | |
| B0-150 | Farm tractor with water bowser | hrs | | | | 2,383.33 | 2,383.33 | |
| B0-151 | Lorry 17 ton self-loading (Wet) | km | | | | 348.78 | 348.78 | |
| B0-152 | Tractor with emulsion bowser | hrs | | | | 1,918.30 | 1,918.30 | |
| B0-153 | Emulsion tank truck (8000 litres) | km | | | | 271.22 | 271.22 | |
| B0-154 | Dozer (Crawler tractor) D-4, D-41(80 - 100 HP) | hrs | | | | 8,598.24 | 8,598.24 | |
| B0-155 | Excavator mobile | hrs | | | | 12,362.04 | 12,362.04 | |
| B0-156 | Air compressor 250 cfm | hrs | | | | 4,916.67 | 4,916.67 | |
| B0-157 | Hand held breaker (Demolisher) less operator | Day | | | | 679.05 | 679.05 | |
| B0-158 | Rock drill hand held (less drill steel) | hrs | | | | 494.41 | 494.41 | |
| *Cost of return trip not considered under this rate | | | | | | | | |
| Supply of soil from borrow pits including loading and transport. | | | | | | | | |
| (For quantities more than 300 Cu.m.) | | | | | | | | |
| B0-201 | Approved soil type I & II for bases & shoulders | Cu.m | | | | 1,766.78 | 2,826.86 | |
| B0-202 | Approved soil type I & II for embankments | Cu.m | | | | 1,766.78 | 2,826.86 | |

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| 7.2.2 Construction Material Prices | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------|-----------------|-------------|------------|----------|----------|
| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| Aggregate & Rubble | | | | | | | |
| Note * Unit rates are scheduled to the main town of each district (No transport will be added to 10km from that town) | | | | | | | |
| B0-301 | (150mm - 225mm) Rubble - (Vehicle measurement, Excluding piling) | Cu.m | | | | 3,180.21 | 4,240.28 |
| B0-302 | (150mm - 225mm) Rubble piled | Cu.m | | | | 3,680.21 | 4,740.28 |
| Manual Production | | | | | | | |
| B0-303 | (100mm) Aggregate | Cu.m | | | | 4,063.60 | 5,300.35 |
| Plant Production | | | | | | | |
| B0-308a | (19mm) Aggregate | Cu.m | | | | 4,876.33 | 6,360.42 |
| B0-309 | (12.5mm) Aggregate | Cu.m | | | | 4,593.64 | 6,360.42 |
| B0-310 | (37.5mm) - Do-, (S.S.C.M. Tb : 1701-1 /1701-4) | Cu.m | | | | 4,240.28 | 5,653.71 |
| B0-311 | (50mm)- Do -, (S.S.C.M. Tb: 1701-4) | Cu.m | | | | 4,240.28 | 5,477.03 |
| B0-312 | Crusher Fines (6.3mm. Down wards) | Cu.m | | | | 3,851.59 | 4,628.98 |
| B0-313 | (37.5mm) Graded (Table 1701.5 for ABC) | Cu.m | | | | 4,440.28 | 5,853.71 |
| Aggregate for seal coat treatments (Grading as per SSCM table 1701-8) | | | | | | | |
| B0-314 | Aggregate 19mm | Cu.m | | | | 5,026.33 | 6,510.42 |
| B0-315 | Aggregate 12.5mm | Cu.m | | | | 4,743.64 | 6,510.42 |
| B0-316 | Aggregate 9.5mm | Cu.m | | | | 4,743.64 | 6,510.42 |
| Sand (Unit rates are scheduled to the main town of each district) (No transport will be added to 10km from that town) | | | | | | | |
| B0-331 | River sand for road surface applications (SSCM table 1701-9) | Cu.m | | | | 6,537.10 | 4,240.28 |
| B0-332 | River sand for concrete and masonry work (SSCM table 1701-2) | Cu.m | | | | 5,477.03 | 4,240.28 |
| Bitumen & Emulsion | | | | | | | |
| B0-351 | Bitumen 80/100[200 ltr Drums] | 1 | | | | 202.97 | 202.97 |
| B0-351a | Bitumen 60/70 [140 ltr drums] (Ex-Stockist) | 1 | | | | 202.97 | 202.97 |

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| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|-----------------------------------------------------------------------------|----------------------------------------------------------------|-------------|-----------------|-------------|------------|-----------|-----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| B0-352 | Emulsion - C.S.S. 1 | l | | | | 167.58 | 167.58 |
| B0-353 | Emulsion - C.R.S. 1 | l | | | | 166.72 | 166.72 |
| B0-354 | Emulsion - C.R.S. 2 | l | | | | 173.68 | 173.68 |
| Bo-356 | Mc 30 | l | | | | 384.28 | 384.28 |
| 7.2.3 PREMIXED BITUMINOUS MATERIALS (EX-PLANT) | | | | | | | |
| (Aggregate transport and royalty on aggregate if any to be paid separately) | | | | | | | |
| (For project use) | | | | | | | |
| B0-361 | Asphalt concrete: surfacing material - | M.Ton | | | | 20,000.00 | 20,000.00 |
| Timber & Firewood (Including transport cost) | | | | | | | |
| B0-391 | Sawn timber class 1 (Local) | Cu. Deci. m | | | | 281.70 | 281.70 |
| B0-392 | Sawn timber class 2 (Local) | Cu. Deci. m | | | | 133.15 | 133.15 |
| B0-393 | Timber round jungle - 100mm minimum and 150mm average diameter | m | | | | 100.00 | 100.00 |
| B0-394 | Timber round jungle - 150mm minimum and 200mm average diameter | m | | | | 125.00 | 125.00 |
| B0-395 | Firewood | Cu.m | | | | 2,473.00 | 2,473.00 |
| B0-396 | Plywood (MR) for formwork - 15mm thick | Sq.m | | | | 2,276.75 | 2,276.75 |
| B0-397 | Bamboo tree length greater than 8 meters | No. | | | | 490.00 | 490.00 |
| Cement (Including transport cost) | | | | | | | |
| B0-401 | Portland cement (for all work) | Bag (50 kg) | | | | 2,260.00 | 2,260.00 |
| Steel and steel items (Including transport cost) | | | | | | | |
| B0-411 | Mild steel | kg | | | | 334.78 | 334.78 |
| B0-411a | Tor steel | kg | | | | 334.78 | 334.78 |
| B0-431 | Binding wire | kg | | | | 499.20 | 499.20 |
| B0-432 | Wire nails, M.S.bolts & nuts | kg | | | | 570.00 | 570.00 |
| B0-433 | Stainless steel 20mm dia.(for dowels) | m | | | | 2,058.00 | 2,058.00 |
| B0-434 | GI Pipes,50mm diameter heavy duty type | m | | | | 4,290.50 | 4,290.50 |
| B0-435 | M.S sheet, 2mm thick | Sq.m | | | | 5,507.75 | 5,507.75 |

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| 7.2.4 PRECAST CONCRETE ITEMS | | | | | |
|-------------------------------------------------------------|---------------|-------------|--------|-------|-----------|
| Minimum Price – Local transport to be added | | | | | |
| Reinforced Concrete Pipes & Collars- Jaffna | | | | | |
| | Diameter - mm | Length - mm | Unit | Pipe | Collar |
| | | | | A | B |
| B0-441 | 153 (6") | 2438 (8') | 01 No. | | |
| B0-442 | 229 (9") | 2438 (8') | 01 No. | | |
| B0-443 | 305 (12") | 2438 (8') | 01 No. | | |
| B0-444 | 450 (1' 6") | 2438 (8') | 01 No. | | |
| B0-445 | 610 (2' 0") | 2438 (8') | 01 No. | | |
| B0-446 | 914 (3' 0") | 1219 (4') | 01 No. | | |
| B0-447 | 1219 (4' 0") | 1219 (4') | 01 No. | | |
| Reinforced Concrete Pipes & Collars- Kilinochchi | | | | | |
| | Diameter - mm | Length - mm | Unit | Pipe | Collar |
| | | | | A | B |
| B0-441 | 153 (6") | 2438 (8') | 01 No. | | |
| B0-442 | 229 (9") | 2438 (8') | 01 No. | | |
| B0-443 | 305 (12") | 2438 (8') | 01 No. | | |
| B0-444 | 450 (1' 6") | 2438 (8') | 01 No. | | |
| B0-445 | 610 (2' 0") | 2438 (8') | 01 No. | | |
| B0-446 | 914 (3' 0") | 1219 (4') | 01 No. | | |
| B0-447 | 1219 (4' 0") | 1219 (4') | 01 No. | | |
| Reinforced Concrete Pipes & Collars- Mullaitivu | | | | | |
| | Diameter - mm | Length - mm | Unit | Pipe | Collar |
| | | | | A | B |
| B0-441 | 153 (6") | 2438 (8') | 01 No. | | |
| B0-442 | 229 (9") | 2438 (8') | 01 No. | | |
| B0-443 | 305 (12") | 2438 (8') | 01 No. | | |
| B0-444 | 450 (1' 6") | 2438 (8') | 01 No. | | |
| B0-445 | 610 (2' 0") | 2438 (8') | 01 No. | | |
| B0-446 | 914 (3' 0") | 1219 (4') | 01 No. | | |
| B0-447 | 1219 (4' 0") | 1219 (4') | 01 No. | | |
| Reinforced Concrete Pipes & Collars- Vavuniya | | | | | |
| | Diameter - mm | Length - mm | Unit | Pipe | Collar |
| | | | | A | B |
| B0-441 | 153 (6") | 2438 (8') | 01 No. | 7500 | 1,800.00 |
| B0-442 | 229 (9") | 2438 (8') | 01 No. | 10000 | 2,000.00 |
| B0-443 | 305 (12") | 2438 (8') | 01 No. | 12000 | 2,500.00 |
| B0-444 | 450 (1' 6") | 2438 (8') | 01 No. | 16000 | 3,000.00 |
| B0-445 | 610 (2' 0") | 2438 (8') | 01 No. | 25000 | 3,500.00 |
| B0-446 | 914 (3' 0") | 1219 (4') | 01 No. | 20000 | 5,000.00 |
| B0-447 | 1219 (4' 0") | 1219 (4') | 01 No. | 40000 | 10,000.00 |
| Reinforced Concrete Pipes & Collars- Mannar | | | | | |
| | Diameter - mm | Length - mm | Unit | Pipe | Collar |
| | | | | A | B |
| B0-441 | 153 (6") | 2438 (8') | 01 No. | 7500 | 1,800.00 |
| B0-442 | 229 (9") | 2438 (8') | 01 No. | 10000 | 2,000.00 |
| B0-443 | 305 (12") | 2438 (8') | 01 No. | 12000 | 2,500.00 |
| B0-444 | 450 (1' 6") | 2438 (8') | 01 No. | 16000 | 3,000.00 |
| B0-445 | 610 (2' 0") | 2438 (8') | 01 No. | 25000 | 3,500.00 |
| B0-446 | 914 (3' 0") | 1219 (4') | 01 No. | 20000 | 5,000.00 |
| B0-447 | 1219 (4' 0") | 1219 (4') | 01 No. | 40000 | 10,000.00 |

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| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|-------------------------------------------------------------|----------------------------------------------------------------------|--------|-----------------|-------------|------------|----------|----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| Precast concrete items | | | | | | | |
| B0-448 | Std road kerb 125 X 250 X 900 G25 concrete | 1 No. | | | | 2,275.00 | 2,275.00 |
| B0-449 | Paving slab 450 X 450 X 50 mm G20 concrete | 1 No. | | | | 1,150.00 | 1,150.00 |
| B0-450 | Bridge kerb 915 | 1 No. | | | | 637.50 | 637.50 |
| B0-451 | Std. uprights for bridges (new design) | 1 No. | | | | 4,675.00 | 4,675.00 |
| B0-452 | Std. hand rails for bridges (new design) | 1 No. | | | | 6,125.00 | 6,125.00 |
| B0-453 | Couping pairs for hand rails | 1 Pair | | | | 1,025.00 | 1,025.00 |
| B0-454 | Rain water channels 609mm long | 1 No. | | | | 2,250.00 | 2,250.00 |
| B0-455 | Cement sand hollow block 16" X 8" X 4" | 1 No. | | | | 154.00 | 154.00 |
| B0-456a | Interlocking concrete blocks (210x 110x 60mm) (15N/mm ²) | 1 No. | | | | 70.00 | 70.00 |
| B0-456b | Interlocking concrete blocks (210x 110x 80mm) (40N/mm ²) | 1 No. | | | | 75.00 | 75.00 |
| B0-456c | Interlocking concrete blocks (210x110x80mm) (30N/mm ²) | 1 No. | | | | 70.00 | 70.00 |
| 7.2.5. BLASTING MATERIALS (INCLUDING TRANSPORT COST) | | | | | | | |
| B0-501 | Blasting powder | kg | | | | 2,054.30 | 2,054.30 |
| B0-502 | Fuse wire | m | | | | 830.90 | 830.90 |
| B0-503 | Steel, Jumper | kg | | | | 1,087.75 | 1,087.75 |
| B0-504 | Electric detonators | No | | | | 167.70 | 167.70 |
| B0-505 | Dyna cord | m | | | | 77.20 | 77.20 |
| B0-506 | Gelignite | kg | | | | 3,722.90 | 3,722.90 |
| B0-507 | Ammonium nitrate | kg | | | | 1,161.80 | 1,161.80 |
| B0-508 | Ordinary detonator | No | | | | 12.00 | 12.00 |
| 7.2.6. PAINTS (INCLUDING TRANSPORT COST) | | | | | | | |
| B0-531 | Bituminous emulsion paint (CRS-2) | l | | | | 173.68 | 173.68 |
| B0-534 | Glue | kg | | | | 364.45 | 364.45 |
| B0-537 | Lime - Boiled | kg | | | | 28.95 | 28.95 |
| B0-541 | Enamel paint | l | | | | 2,602.45 | 2,602.45 |
| B0-542 | Paint - Anti corrosive | l | | | | 1,753.45 | 1,753.45 |
| B0-544 | Paint - Emulsion | l | | | | 2,394.00 | 2,394.00 |
| B0-545 | Rust remover | l | | | | 3,532.99 | 3,532.99 |
| B0-546 | Emulsion for exterior use (weather shield) | l | | | | 3,057.29 | 3,057.29 |
| B0-547 | Road marking paint (yellow) | l | | | | 3,454.86 | 3,454.86 |
| B0-548 | Road marking paint (white) | l | | | | 3,005.21 | 3,005.21 |

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| 7.2.7. FUEL, OILS & LUBRICANTS | | | | | | | |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------|--|--|--|-----------|-----------|
| B0-601 | Industrial kerosene oil (Colombo) | l | | | | 295.00 | 295.00 |
| B0-602 | Mould Oil (including transport) | l | | | | 163.33 | 163.33 |
| B0-611 | Lubricant (oil) | l | | | | 2,388.94 | 2,388.94 |
| B0-612 | Auto diesel | l | | | | 325.00 | 325.00 |
| B0-613 | Petrol | l | | | | 340.00 | 340.00 |
| B0-614 | Furnace oil for burners | l | | | | 132.10 | 132.10 |
| B0-615 | Gas | kg | | | | 393.10 | 393.10 |
| B0-616 | Lubricant (grease) | kg | | | | 3,441.76 | 3,441.76 |
| 7.2.8. MISCELLANEOUS (INCLUDING TRANSPORT COST) | | | | | | | |
| B0-631 | Baskets | 1 No. | | | | 300.00 | 300.00 |
| B0-632 | Gunny bags new (Large) | 1 No. | | | | 55.10 | 55.10 |
| B0-632a | Poly sacs (65kg capacity) | 1 No. | | | | 71.80 | 71.80 |
| B0-633 | Cotton waste | kg | | | | 160.95 | 160.95 |
| B0-634 | Salt | kg | | | | 75.00 | 75.00 |
| B0-635 | Empty tar barrels (140 Liters) | No | | | | 90.55 | 90.55 |
| B0-636 | P.V.C. pipe 110 mm dia type 250 PE | m | | | | 1,374.55 | 1,374.55 |
| B0-636b | P.V.C. pipe 110 mm dia type 400 PE | m | | | | 2,521.95 | 2,521.95 |
| B0-637 | P.V.C. pipe 50 mm dia type 400 | m | | | | 720.65 | 720.65 |
| B0-638 | Hard rubber 12mm thick X 75mm wide | m | | | | 2,694.73 | 2,694.73 |
| B0-639 | Polythene 325mm dia gauge 300 (approx. 13.5 m/ kg) (tubular flat width app.505 mm, with trans.) | kg | | | | 922.50 | 922.50 |
| B0-640 | Aluminum sheet 24 SWG | Sq.m | | | | 7,096.55 | 7,096.55 |
| B0-641 | Angle iron 50x50x6 mm | m | | | | 1,581.70 | 1,581.70 |
| B0-642 | M.S. Plate 12mm thick | Sq.m | | | | 33,894.00 | 33,894.00 |
| B0-643 | Adhesive 250gm tin | No | | | | 6,906.95 | 6,906.95 |
| B0-644 | Emulsifier -CSS/ CRS | Kg | | | | 2,560.00 | 2,560.00 |
| B0-645 | Early strength admixer (usage:300 ml per 50kg cement bag) | l | | | | 579.07 | 579.07 |
| B0-646 | Traffic cones | No | | | | 3,013.50 | 3,013.50 |
| B0-647 | 75mm x 8mm dia nuts and bolts | No | | | | 35.90 | 35.90 |
| B0-648 | Saw dust (loose) | Cu.m | | | | 127.55 | 127.55 |
| B0-649 | Drill steel | m | | | | 150.06 | 150.06 |

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| Piece rates & allowances | | | | | | | |
|-----------------------------------------------|-----------------------------------------------------------------------------|-------|--|--|--|----------|----------|
| B0-704 | Barricading (small work items) | Item | | | | 1,100.00 | 1,100.00 |
| B0-705 | Barricading, Lighting, Signaling etc for 100 m (stationary operations) | Day | | | | 2,750.00 | 2,750.00 |
| B0-711 | Cement, sand & water for jointing - hume pipe 152mm diameter | Joint | | | | 110.00 | 110.00 |
| B0-712 | - Do - 229 to 610mm diameter | Joint | | | | 220.00 | 220.00 |
| B0-713 | - Do - 915mm diameter | Joint | | | | 440.00 | 440.00 |
| B0-714 | - Do - 1220mm diameter | Joint | | | | 770.00 | 770.00 |
| B0-715 | Coir rope (for scaffolding 93 Sq.m area) | Item | | | | 550.00 | 550.00 |
| B0-716 | Coir string for cutting side drains (per 2.83 Cu.m) | Item | | | | 82.50 | 82.50 |
| B0-717 | - Do - Fixing scaffolding (per 93 Sq.m) | Item | | | | 440.00 | 440.00 |
| B0-718 | Minor repairs of parapets with cement, sand & water (per 9.29 Sq.m) | Item | | | | 550.00 | 550.00 |
| B0-720 | Fuel (for loosening road surface in manual breaking 50 mm depth X 307 Sq.m) | Item | | | | 110.00 | 110.00 |
| B0-723 | Fuel, forge etc. (per 2.83 Cu.m blasting) | Item | | | | 220.00 | 220.00 |
| B0-732 | Ladders (per 93 Sq.m) | Item | | | | 550.00 | 550.00 |
| B0-741 | Paint (for lettering & numbering items) | Item | | | | 220.00 | 220.00 |
| B0-746 | Pegs (for turfing in 19 Sq.m area) | Item | | | | 550.00 | 550.00 |
| B0-751 | Sand paper & cott.waste (per 9.29 Sq.m) | Item | | | | 330.00 | 330.00 |
| B0-752 | Sharp. scarifier tyne (for 307 Sq.m) | Item | | | | 110.00 | 110.00 |
| B0-761 | Timber planks & bamboos (for 93 Sq.m) | Item | | | | 1,430.00 | 1,430.00 |
| B0-762 | Timber post, horizontal etc. (for barricading work in 41.m) | Item | | | | 2,200.00 | 2,200.00 |
| Water for concreting | | | | | | | |
| B0-781 | Allow for water for mixing by machine per | Cu.m | | | | 55.00 | 55.00 |
| B0-782 | Allow for water for mixing manually per | Cu.m | | | | 55.00 | 55.00 |
| Water for compaction & general use | | | | | | | |

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| | | | | | | | |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------|--|--|--|-----------|-----------|
| B0-784 | Allow for gravel compaction per | Cu.m | | | | 27.50 | 27.50 |
| B0-785 | Allow for aggregate compaction per | Cu.m | | | | 38.50 | 38.50 |
| B0-786 | Allow for moistening road surface | Item | | | | 110.00 | 110.00 |
| B0-787 | Allow for water bucket & coir rope | Item | | | | 110.00 | 110.00 |
| B0-788 | Water for general purpose | l | | | | 27.50 | 27.50 |
| White washing for barricading | | | | | | | |
| B0-791 | White washing empty barrels (Pen.Grade) | 01 No. | | | | 250.00 | 250.00 |
| B0-792 | White washing timber posts, horizontals, etc. (In 4 l.m barricading) | 01 Item | | | | 93.75 | 93.75 |
| 7.2.9. THERMOPLASTIC ROAD MARKING MATERIALS EXCLUDING TRANSPORT & VAT | | | | | | | |
| Following material prices are for estimation only *(Payments should be based on approved tender prices) | | | | | | | |
| B0-800 | Thermo plastic road marking materials (white)* | kg | | | | 300.00 | 300.00 |
| B0-801 | Thermo plastic road - Do-(yellow)* | kg | | | | 300.00 | 300.00 |
| B0-802 | Glass beads* | kg | | | | 310.00 | 310.00 |
| Gabion mesh* (galvanized) excluding transport & VAT gabion size m | | | | | | | |
| B0-850 | 1x1x1 inclu. coated tie (binding) wire @ 5% of gabion weight | Per Box | | | | 10,384.40 | 10,384.40 |
| B0-851 | 2x1x.5 inclu. coated tie (binding) wire @ 5% of gabion weight | Per Box | | | | 12,773.00 | 12,773.00 |
| B0-852 | 1.5x1x1 inclu. coated tie (binding) wire @ 5% of gabion weight | Per Box | | | | 13,692.55 | 13,692.55 |
| B0-853 | 2x1x1 inclu. coated tie (binding) wire @ 5% of gabion weight | Per Box | | | | 27,576.05 | 27,576.05 |
| Geotextiles * excluding transport & VAT | | | | | | | |
| B0-860 | Geotextiles (nonwoven polypropylene polymer tear resistant > 400n and apparent pore size < 200 nm) | Per Sq.m | | | | 302.50 | 302.50 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------|-----------------|-------------|------------|----------|--------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| 7.3 SECTION II-SCHEDULE OF RATES | | | | | | | |
| 7.3.1 TRANSPORT RATES | | | | | | | |
| *See Section I of general notes of HSR published by RDA for selection of mode of transport | | | | | | | |
| T1-001 | Transport of soil 25m to 100m by any means (including loading and unloading): | Cu.m | | | | 620.13 | 620.13 |
| T1-002 | Transport 100m to 0.5km by any means (excluding loading): | Cu.m | | | | 572.00 | 572.00 |
| T1-003 | Transport 0.5km to 1.0km by any means (excluding loading): | Cu.m | | | | 612.86 | 612.86 |
| T1-003A | Transport of each subsequent 1km from 1.0 - 8.0 km by any means (excluding loading): | Cu.m | | | | 95.33 | 95.33 |
| T1-003B | Transport of each subsequent 1km beyond 8.0 km by any means (excluding loading): | Cu.m | | | | 64.01 | 64.01 |
| * T1--004, T1-005 - codes changed as T1-003A and T1-003B | | | | | | | |
| T1-006 | Transport of material in bulk excluding loading (for distance less than or equal 3 kilo meters) | Cu.m | | | | 139.63 | 139.63 |
| T1-007 | Transport of material in bulk excluding loading (from 3 km up to 10 kilo meters distance) | Cu.m | | | | 48.10 | 48.10 |
| T1-007A | Transport of material in bulk excluding loading (for distance more than 10km) | Cu.m | | | | 41.73 | 41.73 |
| * T1-008 : code amended as T1-007a | | | | | | | |
| T1-009 | Transport of premix in bulk excluding loading other than at mixing plant | mt/km | | | | 30.49 | 30.49 |
| T1-010 | Transport of barrels of bitumen for first 1.0 km of transport (excluding loading and unloading) | No | | | | 86.08 | 86.08 |
| T1-010A | Transport of barrels of bitumen for each subsequent 1.0 km, from 1.0 - 8.0 km (excluding loading and unloading) | No | | | | 18.15 | 18.15 |
| T1-010B | Transport of barrels of bitumen for each subsequent 1.0 km beyond 8.0 km (excluding loading and unloading) | No | | | | 12.53 | 12.53 |
| T1-011 & T1-012 code changed | | | | | | | |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|--------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| T1-013 | Loading barrels of bitumen inclusive of rolling up to 25m: | No | | | | 38.50 | 38.50 |
| T1-014 | Unloading barrels of bitumen inclusive of rolling and stacking: | No | | | | 16.50 | 16.50 |
| T1-015 | Transport of hume pipes 152mm dia. for 1 st 1.0 km of transport (excluding loading and unloading) | lm | | | | 64.12 | 64.12 |
| T1-015A | Transport of hume pipes 152mm dia. for each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading) | lm | | | | 14.63 | 14.63 |
| T1-015B | Transport of hume pipes 152mm dia. for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading) | lm | | | | 10.33 | 10.33 |
| * T1-016 & T1-017 code changed | | | | | | | |
| T1-018 | Transport of hume pipes 229mm dia. for 1 st 1.0 km of transport (excluding loading and unloading) | lm | | | | 72.13 | 72.13 |
| T1-018A | Transport of hume pipes 152mm dia. for each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading) | lm | | | | 16.45 | 16.45 |
| T1-018B | Transport of hume pipes 152mm dia. for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading) | lm | | | | 11.62 | 11.62 |
| * T1-019 & T1-020: code changed | | | | | | | |
| T1-021 | Transport of hume pipes 305mm dia. for 1 st 1.0 km of transport (excluding loading and unloading) | lm | | | | 96.17 | 96.17 |
| T1-021A | Transport of hume pipes 305mm dia. for each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading) | lm | | | | 21.94 | 21.94 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|--------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| T1-021B | Transport of hume pipes 305mm dia. for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading) | lm | | | | 15.49 | 15.49 |
| * T1-022 & T1-023: code changed | | | | | | | |
| T1-024 | Transport of hume pipes 457mm dia. for 1st 1.0 km of transport (excluding loading and unloading) | lm | | | | 144.26 | 144.26 |
| T1-024A | Transport of hume pipes 457mm dia. for each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading) | lm | | | | 32.91 | 32.91 |
| T1-024B | Transport of hume pipes 457mm dia. for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading) | lm | | | | 23.24 | 23.24 |
| * T1-025 & T1-026: code changed | | | | | | | |
| T1-027 | Transport of hume pipes 610mm dia. for 1 st 1.0 km of transport (excluding loading and unloading) | lm | | | | 192.35 | 192.35 |
| T1-027A | Transport of hume pipes 610mm dia. for each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading) | lm | | | | 43.88 | 43.88 |
| T1-027B | Transport of hume pipes 610mm dia. for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading) | lm | | | | 30.99 | 30.99 |
| * T1-028 & T1-029: code changed | | | | | | | |
| T1-030 | Transport of hume pipes 915mm dia. for 1 st 1.0 km of transport (excluding loading and unloading) | lm | | | | 288.52 | 288.52 |
| T1-030A | Transport of hume pipes 915mm dia. for each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading) | lm | | | | 65.82 | 65.82 |
| T1-030B | Transport of hume pipes 915mm dia. for each | lm | | | | 46.48 | 46.48 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|-------------|------------|----------|----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| | subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading) | | | | | | |
| * T1-031 & T1-032: code changed | | | | | | | |
| T1-033 | Transport of hume pipes 1220mm dia. For 1 st 1.0 km of transport (excluding loading and unloading) | lm | | | | 626.64 | 626.64 |
| T1-033A | Transport of hume pipes 1220mm dia. for each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading) | lm | | | | 181.23 | 181.23 |
| T1-033B | Transport of hume pipes 915mm dia. for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading) | lm | | | | 129.93 | 129.93 |
| * T1-034 & T1-035: code changed | | | | | | | |
| T1-036 | Loading and unloading 152mm dia. 2.44m long hume pipes | No | | | | 118.80 | 118.80 |
| T1-037 | Loading and unloading 229mm dia. 2.44m long hume pipes | No | | | | 138.60 | 138.60 |
| T1-038 | Loading and unloading 305mm dia. 2.44m long hume pipes | No | | | | 275.00 | 275.00 |
| T1-039 | Loading and unloading 457mm dia. 2.44m long hume pipes | No | | | | 457.60 | 457.60 |
| T1-040 | Loading and unloading 610mm dia. 2.44m long hume pipes | No | | | | 596.20 | 596.20 |
| T1-041 | Loading and unloading 915mm dia. 1.22.44m long hume pipes | No | | | | 1,100.00 | 1,100.00 |
| T1-042 | Loading and unloading 1220mm dia. 1.22m long hume pipes | No | | | | 2,200.00 | 2,200.00 |
| T1-043 | Transport of precast kerb stones (all types) for road works, including loading and unloading | lm/k m | | | | 2.57 | 2.57 |
| T1-044 | Transport of precast kerb stones for bridge works, including loading and unloading | lm/k m | | | | 3.88 | 3.88 |
| T1-045 | Transport of precast concrete hand rails up-rights and joints for bridge works, including loading and unloading: | lm/k m | | | | 5.77 | 5.77 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------|-----------------|-------------|------------|----------|----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| T1-046 | Transport of precast concrete slabs 450 x 450 x 50 mm for foot walks, including loading and unloading | Sq.m/km | | | | 7.08 | 7.08 |
| T1-047 | Transport of precast standard boundary markers including unloading only*: | No/km | | | | 3.56 | 3.56 |
| * Supply rate include loading at yard. | | | | | | | |
| T1-048 | Transport of emulsion | 100 l / km | | | | 3.39 | 3.39 |
| T1-049 | Transport of gabion mesh 4x1x1 m size | No/km | | | | 1.77 | 1.77 |
| 7.3.2 ROADWAY AND FOUNDATION / TRENCH EXCAVATION | | | | | | | |
| (Including loading, unloading and transporting within 25 meters distance unless otherwise specified) | | | | | | | |
| Note: For roadway excavations involving more than 300 cu.m, machine rates should be adopted | | | | | | | |
| Transportation to be included for sand related works | | | | | | | |
| E1-001 | Excavation in loose soil(dry) [SSCM 301.2(iv)] | Cu.m | | | | 832.16 | 832.16 |
| E1-002 | Excavation in loose soil (wed) in slips [SSCM 301.3(0)] | Cu.m | | | | 1,031.36 | 1,031.36 |
| E1-003 | Excavation in ordinary soil (cutting measurement) [SSCM 301.2(v)] | Cu.m | | | | 1,230.57 | 1,230.57 |
| E1-004 | Excavation in ordinary soil (vehicle measurement) [SSCM 301.2(v)] | Cu.m | | | | 1,107.51 | 1,107.51 |
| E1-005 | Excavation in medium soil (cutting measurement) [SSCM 301.2(vi)] | Cu.m | | | | 1,628.98 | 1,628.98 |
| E1-006 | Excavation in medium soil (vehicle measurement) [SSCM 301.2(vi)] | Cu.m | | | | 1,384.63 | 1,384.63 |
| E1-007 | Excavation in hard soil (cutting measurement) [SSCM 301.2(vii)] | Cu.m | | | | 2,425.80 | 2,425.80 |
| E1-008 | Excavation in hard soil (vehicle measurement) [SSCM 301.2(vii)] | Cu.m | | | | 2,789.66 | 2,789.66 |
| E1-009 | Excavation in unclassified soil (cutting measurement) [SSCM 301.2(vii)] | Cu.m | | | | 1,761.80 | 1,761.80 |
| Note : See item nos. from E1-027 of HSR published by RDA for roadway excavation using machinery. | | | | | | | |
| E1-010 | Excavation in soft rock (cutting measurement) [SSCM 301.2(vii)] | Cu.m | | | | 2,625.00 | 2,625.00 |
| E1-010A | Excavation in mud/marshy material (cutting measurement) [SSCM 301.2(vii)] | Cu.m | | | | 2,027.39 | 2,027.39 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| E1-011 | Excavation pit/trench for foundation in ordinary soil not exceeding 1.5 m. Deep including levelling and ramming bottom, excavation material deposited at site within 25 m or as directed. * (shoring, dewatering, if necessary, shall be paid separately) [SSCM 302.1-302.3] | Cu.m | | | | 1,628.98 | 1,628.98 |
| * See general notes 24(2) of HSR published by RDA for details regarding additional excavation required for working space. | | | | | | | |
| E1-012 | Ditto - medium soil, -do - do - | Cu.m | | | | 2,027.39 | 2,027.39 |
| E1-013 | Ditto - hard soil, -do - do - | Cu.m | | | | 2,824.20 | 2,824.20 |
| E1-014 | Ditto - in unclassified soil, -do - do - | Cu.m | | | | 2,160.19 | 2,160.19 |
| E1-015 | Ditto - mud/marshy material, -do - do - | Cu.m | | | | 2,425.80 | 2,425.80 |
| * Item nos. E1-016 to E1-018 deleted | | | | | | | |
| E1-019 | Excavating soft rock, not exceeding 1.5m depth [SSCM 301.2 (II)] | Cu.m | | | | 3,222.61 | 3,222.61 |
| * Note: excavating rock for foundation to be paid on S.S.R. | | | | | | | |
| * Item No. E1-020 deleted | | | | | | | |
| E1-021 | Piling available soil: | Cu.m | | | | 199.20 | 199.20 |
| E1-022 | Loading available soil to a tractor or equivalent | Cu.m | | | | 262.95 | 262.95 |
| E1-023 | Excavating rock, requiring blasting, for roadway for boulders (excluding dozing away [SSCM 301.2 (III) & 306.1 - 306.4]) | Cu.m | | | | 3,418.99 | 3,418.99 |
| E1-024 | Boulders sledging, piling, etc. | Cu.m | | | | 3,694.35 | 3,694.35 |
| E1-025 | Rock requiring blasting | Cu.m | | | | 4,254.31 | 4,254.31 |
| E1-026 | Rock requiring blasting and piling | Cu.m | | | | 5,422.37 | 5,422.37 |
| E1-027 | Roadway excavation in unclassified soil using machinery excluding loading and piling. (Cutting measurement) | Cu.m | | | | 391.05 | 391.05 |
| E1-028 | Loading material by machinery in roadway excavation (cutting measurement) | Cu.m | | | | 237.43 | 313.38 |
| E1-029 | Trimming / cambering by motor grader (cutting measurement) | Cu.m | | | | 53.69 | 53.69 |
| E1-029A | Trimming / cambering by motor grader (cutting measurement) | Sq.m | | | | 10.74 | 10.74 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| 7.3.3 AGGREGATE / RUBBLE PILING INCLUDING LOADING | | | | | | | |
| A1-001 | Sleding available rock 150-225 mm rubble excluding piling & loading | Cu.m | | | | 2,915.64 | 2,915.64 |
| A1-002 | Blasting etc. & piling 150-225 mm rubble excluding loading | Cu.m | | | | 5,395.21 | 5,395.21 |
| A1-002A | Blasting sledging etc. & piling 150-225mm rubble using compressor & hand-held drills excluding loading | Cu.m | N/A | N/A | N/A | N/A | N/A |
| A1-003 | Blasting etc. & piling 100mm aggregate, excluding loading | Cu.m | N/A | N/A | N/A | N/A | N/A |
| A1-004 | Blasting etc. & piling 75 mm aggregate, including loading | Cu.m | N/A | N/A | N/A | N/A | N/A |
| A1-005 | Blasting etc. & piling 50 mm aggregate, including loading | Cu.m | N/A | N/A | N/A | N/A | N/A |
| A1-006 | Blasting etc. & piling 37.5 mm aggregate, including loading | Cu.m | N/A | N/A | N/A | N/A | N/A |
| A1-007 | Blasting etc. & piling 25 mm aggregate, including loading | Cu.m | N/A | N/A | N/A | N/A | N/A |
| A1-008 | Blasting etc. & piling 19 mm aggregate, including loading * | Cu.m | N/A | N/A | N/A | N/A | N/A |
| * Prior approval of the P.D should be obtained for the use of 19 mm hand broken aggregate. | | | | | | | |
| A1-009 | 50 mm Aggregate, single size crusher production excluding piling and loading [SSCM404.1-406.1: table 1701-4] | Cu.m | | | | 4,240.28 | 5,477.03 |
| A1-010 | 37.5 mm Aggregate, single size crusher production excluding piling and loading [SSCM404.1-406.1: table 1701-4] | Cu.m | | | | 4,240.28 | 5,653.71 |
| A1-011 | 19 mm Aggregate, single size crusher production excluding piling and loading [SSCM404.1-406.1] table 1701-4 | Cu.m | | | | 4,876.33 | 6,360.42 |
| A1-012 | 12.5 mm Aggregate, single size crusher production excluding piling and loading [SSCM404.1-406.1: table 1701-4] | Cu.m | | | | 4,593.64 | 6,360.42 |
| Plant production aggregate for dense graded aggregate base course | | | | | | | |
| A1-013 | Aggregate 37.5 mm, downgraded (SSCM - table 1701.5) excluding piling & loading | Cu.m | | | | 4,440.28 | 5,853.71 |

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| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| A1-014 | Crusher fines 6.3 mm down, excluding piling & loading for 1.0 Cu.m | Cu.m | | | | 3,851.59 | 4,628.98 |
| A1-015 | Aggregate 19 mm for seal coat treatments as per SSCM table 1701-8 | Cu.m | | | | 5,026.33 | 6,510.42 |
| A1-016 | Aggregate 12.5 mm for seal coat treatments as per SSCM table 1701-8, | Cu.m | | | | 4,743.64 | 6,510.42 |
| A1-017 | Blended aggregate for rectification overlay, with 37.5 mm single size aggregate and 19 mm & 12.5 mm crusher aggregate mixed in the volume ratio of 7:2:1 including mixing and loading. (piling to pay separately)* | Cu.m | | | | 4,350.05 | 5,893.10 |
| *Prior approval of the PD should be obtained for the use of blended aggregate in rectification overlay construction work. | | | | | | | |
| A1-018 | Piling available aggregate: | Cu.m | | | | 208.26 | 208.26 |
| A1-019 | Piling available rubble: | Cu.m | | | | 416.52 | 416.52 |
| A1-020 | Loading available aggregate /rubble: | Cu.m | | | | 398.41 | 398.41 |
| 7.3.4. APPROVED EARTH FILLING & COMPACTION | | | | | | | |
| Note : Rates for borrow earth supply given under item codes EW1-001 & EW1-011 in this schedule is based on manual excavation and intended for small works involving less than 300 Cu.m. in the case of borrow earth supply exceeds 300 Cu.m (for the whole project), rates based on machine excavation as per B0-201, B0-202, EW1-013 or EW1-014 shall be adopted. For any deviations the procurement procedure given in "general notes" of HSR published by RDA, shall be followed. | | | | | | | |
| EW1-001 | Approved soil (type I & II materials) excavation for bases & shoulder construction including loading and piling. (loose volume) [SSCM 601.1 to 601.4] | Cu.m | | | | 1,909.97 | 1,909.97 |
| EW1-002 | Spreading piled approved soil (loose volume) | Cu.m | | | | 278.70 | 278.70 |
| EW1-003 | Approved soil spread & rolled including roller hire charges, fuel & watering (loose volume) * [SSCM 601.1 to 4]: | Cu.m | | | | 656.02 | 656.02 |
| * See general notes section 26.4 of HSR published by RDA for rate on compacted volume. | | | | | | | |
| Note : The items EW1-003 or EW1-004 on manual spreading should be adopted on approval by PD/CE for small works only. When machinery is used for spreading and compaction, EW1-003a shall be adopted. | | | | | | | |
| EW1-003A | Approved soil spread & rolled using machinery including motor grader & roller hire charges, fuel & watering (loose volume) * [SSCM 601.1 to 4] | Cu.m | | | | 332.86 | 332.86 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| * See general notes section 26.4 of HSR published by RDA for rate on compacted volume. | | | | | | | |
| EW1-004 | Approved soil spread & rolled in strips where average width is less than 1.2 meters for road widening, including roller hire charges, fuel & watering (loose volume) * [SSCM 601.1 to 4] | Cu.m | | | | 830.93 | 830.93 |
| * See general notes section 26.4 of HSR published by RDA for rate on compacted volume. Assuming 50 Cu.m compaction per day | | | | | | | |
| EW1-005 Deleted | | | | | | | |
| EW1-006 | Approved soil spread & compacted in places behind abutments and structures, shoulders above sub base level and in service line trenches, using 1/2 to 1 ton vibrating roller including watering (loose volume) | Cu.m | | | | 729.75 | 729.75 |
| * See general notes section 26.4 of HSR published by RDA for rate on compacted volume. | | | | | | | |
| EW1-007 | Approved soil spread & compacted in 150 to 225 mm thick layers using machine rammer at narrow places (loose volume) | Cu.m | | | | 666.39 | 666.39 |
| EW1-008 | Spreading, leveling and compacting manually using standard cast iron stamper or equivalent and filling in 150 - 225 mm thick layer (loose volume) | Cu.m | | | | 896.42 | 896.42 |
| EW1-009 | Trimming, leveling and compaction of original ground/ subgrade to 100% std. Density. [SSCM 304.3 c] | Sq.m | | | | 114.86 | 114.86 |
| EW1-010 | Trimming, leveling and compaction of original ground/subgrade to 95% Std Density. [SSCM 304.3 c] | Sq.m | | | | 104.42 | 104.42 |
| EW1-011 | Approved soil excavation for embankment filling including loading and piling (loose volume) [SSCM 601.1 to 601.4] | Cu.m | | | | 1,665.60 | 1,665.60 |
| EW1-012 Deleted | | | | | | | |
| Note : Type 1 soil, Type II soil royalty included | | | | | | | |
| EW1-013 | Approved soil (type I & II materials) excavation using machinery for bases & shoulder construction including loading, transport and piling (loose volume) [SSCM 601.1 to 601.4] | Cu.m | | | | 1,965.99 | 3,026.06 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| EW1-014 | Approved soil (type I & II) excavation using machinery for embankment filling including loading, transport and piling (loose volume) [SSCM 601.1 to 601.4] | Cu.m | | | | 1,965.99 | 3,026.06 |
| EW1-015 | Grading and spreading by motor grader | Cu.m | | | | 100.71 | 100.71 |
| Data for output in 6 hours spreading & compaction | | | | | | | |
| 7.3.5 RUBBLE PITCHING / PAVING | | | | | | | |
| (Rubble to be paid separately) | | | | | | | |
| P1-001 | Pitched paving 225 mm thick | Sq.m | | | | 507.53 | 507.53 |
| P1-002 | Pitched paving 150 mm thick | Sq.m | | | | 380.65 | 380.65 |
| P1-003 | Flat paving 225 mm thick | Sq.m | | | | 337.51 | 337.51 |
| P1-004 | Flat paving 150 mm thick | Sq.m | | | | 253.77 | 253.77 |
| 7.3.6 AGGREGATE SPREADING & COMPACTION | | | | | | | |
| Cost of watering to be deducted from rate if not carried out under the relevant items. | | | | | | | |
| M1-001 | Spreading, watering & rolling 100 mm aggregate including hire charges of roller. (loose volume) [SSCM 304.3(d)(e)] | Cu.m | | | | 1,529.7 | 1,529.78 |
| M1-002 | Breaking road surface to 50 mm depth by hand, screen & replace old aggregate | Sq.m | | | | 146.22 | 146.22 |
| M1-003 | Scarifying road surface to 50 mm depth by roller, screen & replace old aggregate | Sq.m | | | | 132.54 | 132.54 |
| M1-004 | Spreading & compacting 50-19 mm new aggregate by roller including watering hire, etc. (loose volume) [SSCM 403.3(c)] | Cu.m | | | | 2,309.53 | 2,309.53 |
| M1-005 | Breaking 50 mm additional depth by hand screening & replacing old aggregate | Sq.m | | | | 87.38 | 87.38 |
| M1-006 | Scarifying 50 mm additional depth with roller, screening & replacing old aggregate | Sq.m | | | | 110.47 | 110.47 |
| M1-007 | Spreading watering & compacting 50-19 mm aggregate in edge correction using roller including hire, etc. (loose Volume) [SSCM 1103.3] | Cu.m | | | | 3,133.01 | 3,133.01 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| M1-008 | Spreading watering & compacting 50-19 mm aggregate in edge correction using roller including hire, etc. (loose volume) [SSCM 1103.3] | Cu.m | | | | 2,496.15 | 2,496.15 |
| M1-009 | Spreading & compacting 50-19 mm aggregate by 8-10-ton roller after applying tack coat in overlay (loose volume) (tack coat paid separately) | Cu.m | | | | 2,206.82 | 2,206.82 |
| M1-010 | Water bound macadam - spreading watering & compacting 50-25 mm aggregate and filling the voids to refusal with crusher fines by watering and rolling to form a water bound macadam base excluding transport for aggregates and fines. (loose volume) [SSCM 404.1] | Cu.m | | | | 8,514.51 | 9,842.71 |
| M1-011 | Dry bound macadam - spreading watering & compacting 50-25 mm aggregate and filling the voids to refusal with crusher fines by rolling with vibration roller to form a dry bound macadam base excluding transport for aggregates and fines. (loose volume) [SSCM 404.1] | Cu.m | | | | 7,955.95 | 9,284.15 |
| * M1-012 : Deleted | | | | | | | |
| M1-012A | Dense graded aggregate base [aggregate base course] including piling, spreading watering & compacting graded 37.5 mm aggregate to form a dense aggregate base using machinery including motor grader & roller hire charges transport of aggregates to be paid separately (loose volume) SSCM405.1 | Cu.m | | | | 5,019.45 | 6,432.88 |
| *For the rate on compacted volume, increase loose volume rate by 42%. if measurement is on end product, piling cost of aggregate as per A1-018 shall be deducted. | | | | | | | |
| M1-013 | Dense graded aggregate base [aggregate base course] including piling, spreading watering & compacting graded 37.5 mm aggregate to form a dense aggregate base in strips, average width not | Cu.m | | | | 6,913.19 | 8,326.62 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| | exceeding 1.2 meters, for road widening. excluding transport of aggregates (loose volume) * [SSCM 405.1] | | | | | | |
| For the rate on compacted volume, increase loose volume rate by 42%. If measurement is on end product, piling cost of aggregate as per A1-018 shall be deducted. | | | | | | | |
| Note : The item M1-013 on manual labour should be adopted on approval by PD / CE for small works only. When machinery is used for spreading and compaction, M1-012A / M1-013A shall be adopted depending on site situation. | | | | | | | |
| M1-013A | Graded 37.5 aggregate base course material including piling, spread & rolled in strips, average width not exceeding 1.2 meter using machinery including motor grader & roller hire charges, fuel & watering (loose volume)* [SSCM 405.1] | Cu.m | | | | 5,152.29 | 6,565.71 |
| For the rate on compacted volume, increase loose volume rate by 42%. If measurement is on end product, piling cost of aggregate As Per A1-018 shall be deducted. | | | | | | | |
| 7.3.7 ROAD SURFACE TREATMENT | | | | | | | |
| Transport of Emulsion / Bitumen to be paid separately | | | | | | | |
| Note Transportation to be included for sand related works | | | | | | | |
| S1-001 | Bitumen surfacing first coat using 2 Ltr/Sq.m including blinding with sand at the rate of 125 Sq.m/Cu.m [SSCM 503.1]: (excluding cost of bitumen) | Sq.m | | | | 115.50 | 97.10 |
| S1-002 | Bitumen surfacing first coat using 2 Ltr/Sq.m including blinding with gravel where sand is not available within 16km: (excluding cost of bitumen) | Sq.m | | | | 98.38 | 98.38 |
| S1-003 | Double bituminous surface treatment with hot bitumen (manual) including internal transport (binder and aggregate paid separately) [SSCM 505.b1 - 505.b5 & Table 505-b1] | Sq.m | | | | 200.76 | 200.76 |
| S1-004 | Single bituminous surface treatment with hot bitumen (manual) including internal transport (binder and aggregate paid separately) [SSCM 505.b1 - 505.b5 & Table 505-b1] | Sq.m | | | | 107.95 | 107.95 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|-------------|------------|----------|--------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| S1-005 | Double bituminous surface treatment with emulsion (CRS-1) (manual) including internal transport (binder and aggregate paid separately) | Sq.m | | | | 196.15 | 196.15 |
| S1-006 | Single bituminous surface treatment with emulsion (CRS-1) (manual) including internal transport (binder and aggregate paid separately) | Sq.m | | | | 128.28 | 128.28 |
| S1-007 | Bitumen surfacing subsequent coat using 0.75 l/Sq.m including blinding with sand @ 125 Sq.m/Cu.m [SSCM 503.1(b)] (excluding cost of bitumen) | Sq.m | | | | 92.45 | 74.05 |
| S1-008 | Bitumen surfacing 2 nd /Subsequent coat using 1.0 l/Sq.m including blinding at the rate of 125 Sq.m/Cu,m (new works) [SSCM 503.1(b)] (excluding cost of bitumen) | Sq.m | | | | 92.45 | 74.05 |
| S1-009 | Bitumen surfacing facing subsequent coat using 0.75 l/Sq.m including blinding with gravel free of clay where sand is not available within 16 km [SSCM 503.2(b)] (Excluding cost of bitumen) | Sq.m | | | | 75.48 | 75.48 |
| S1-010 | Bitumen surfacing 2 nd /subsequent coat using 1.0 l/Sq.m including blinding with gravel free of clay where sand is not available within 16km (new works) [SSCM 503.3(c)] (excluding cost of Bitumen) | Sq.m. | | | | 75.48 | 75.48 |
| S1-011 | Emulsion / cold bitumen (CRS-1) surface treatment 1 st coat with 3.5 l/Sq.m including blinding with sand, @ 125 Sq.m/Cu.m (manual) (excluding cost of emulsion) | Sq.m | | | | 87.35 | 68.95 |
| S1-012 | Emulsion / cold bitumen (CRS-1) surface treatment 1 st coat with 3.5 l/Sq.m (using trolley, emulsion), including blinding with sand, @ 125 Sq.m/Cu.m (excluding cost of emulsion) | Sq.m | | | | 68.28 | 49.90 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|--------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| S1-013 | Emulsion / cold bitumen (CRS-1) surface treatment subsequent coat using 3.5 l/Sq.m including blinding with sand, @ 125 Sq.m/Cu.m (manual): (excluding cost of emulsion) | Sq.m | | | | 68.34 | 49.94 |
| S1-014 | Emulsion / cold bitumen (CRS-1) surface treatment subsequent coat with 0.75 l/Sq.m (using trolley, emulsion), including blinding with sand, @ 125 Sq.m/Cu.m: (excluding cost of emulsion) | Sq.m | | | | 61.12 | 42.74 |
| S1-015 | Tack coat using emulsion (CSS-1) @ the rate of 0.5 l/Sq.m inclusive of brushing, cleaning road surface (manual) [SSCM 502.3] (excluding cost of emulsion) | Sq.m | | | | 19.96 | 19.96 |
| S1-016 | Tack coat using emulsion (CSS-1) @ the rate of 0.75 l/Sq.m inclusive of brushing, cleaning road surface (manual) [SSCM 502.3] (excluding cost of emulsion) | 1 | | | | 39.93 | 39.93 |
| S1-017 | Tack coat using emulsion (CSS-1) @ the rate of 0.75 l/Sq.m inclusive of brushing, cleaning road surface (manual) [SSCM 502.1-503.3]: (excluding cost of emulsion) | Sq.m | | | | 19.96 | 19.96 |
| S1-018 | Tack coat with 30% cut back bitumen using 0.5 l/Sq.m including brushing and cleaning road surface (Manual): [SSCM 502.1-503.1]: (Excluding cost of bitumen) | Sq.m | | | | 85.43 | 85.43 |
| S1-019 | Tack coat with 30% cut back bitumen using 0.5 l/Sq.m including brushing and cleaning road surface (manual) (excluding cost of bitumen) | 1 | | | | 170.85 | 170.85 |
| S1-020 | Tack coat with 30% cut back bitumen using 0.75 l/Sq.m including brushing and cleaning road surface (manual) [SSCM 502.4] (excluding cost of bitumen) | Sq.m | | | | 108.08 | 108.08 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|----------|--------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| S1-021 | Rolling over blinding material spread over subsequent bitumen surfacing using diesel roller (8-10 Tons) [SSCM 502.4] | Sq.m | | | | 22.20 | 22.20 |
| S1-022 | Prime coat with emulsion/cold bitumen (CSS-1) using 1 l/Sq.m including blinding with sand at the rate of 250 Sq.m/Cu.m and brushing cleaning and moistening road surface (excluding cost of emulsion) | Sq.m | | | | 49.92 | 40.72 |
| S1-023 | Prime coat with emulsion / cold bitumen (CSS-1) using 1 l/Sq.m without blinding, but inclusive of brushing, cleaning and moistening road surface: (excluding cost of emulsion) | Sq.m | | | | 20.44 | 20.44 |
| S1-024 | Prime coat with 30% cut back bitumen using 1 l/Sq.m including blinding with sand at the rate of 250 Sq.m/Cu.m and brushing, cleaning and moistening road surface (excluding cost of bitumen) | Sq.m | | | | 162.09 | 152.89 |
| S1-025 | Prime coat with 30% cut back bitumen using 1 l/Sq.m without blinding but inclusive of brushing, cleaning and moistening road surface (excluding cost of bitumen) | Sq.m | | | | 131.54 | 131.54 |
| S1-026 | Sweeping over tarred surface to arrest bleeding | Sq.m | | | | 6.20 | 6.20 |
| S1-027 | Application of asphalt emulsion for surface treatment using CRS - 1 (using plant) "rate per liter" (excluding cost of emulsion) | l | | | | 13.45 | 16.39 |
| S1-028 | Blinding the bitumen surface with sand at the rate of 125 Sq.m per 1 Cu.m using material from stock pile | Sq.m | | | | 62.33 | 43.95 |
| S1-029 | Single bituminous surface treatment with emulsion (CRS-2) using plant. (Binder and aggregate paid separately) (rate to include transport cost of aggregate up to 16 kms) [SSCM 505.3(d)] | Sq.m | | | | 99.05 | 109.90 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------------|------------|-----------|-----------|
| | | | Jaffna | Kilinochchi | Mullaitivu | Vavuniya | Mannar |
| S1-030 | Double bituminous surface treatment with emulsion (CRS-2) using plant. (binder and aggregate paid separately) (rate to include transport cost of aggregate up to 16 kms) [SSCM 505.3(e)] | Sq.m | | | | 199.31 | 220.99 |
| S1-031 | Supply, lay and compact asphalt premix concrete (19 mm, binder (80/100) 5% mix) -dense (plant made) in wearing surface of small works such as bridge decking, reinstatement of trenches etc. (transport of aggregate* for premix and transport of premix to be paid separately.) [SSCM - 506] | mt. | | | | 23,867.13 | 23,867.13 |
| (For other binder contents see General Notes - Clause 29.8 of HSR published by RDA) | | | | | | | |
| Average 0.6270 Cu.m of aggregate required for 1.0 metric ton of premix (all types) | | | | | | | |
| S1-032 | Supply, lay and compact asphalt bound premix (37.5 mm, binder (80/100) 3.53% mix) -dense base material (plant made) in of small works such as bridge decking, reinstatement of trenches etc. (transport of aggregate* for premix and transport of premix to be paid separately.) [SSCM - 506] | mt | | | | 3,867.10 | 3,867.10 |
| (For other binder contents see general notes - clause 29.8 of HSR published by RDA) | | | | | | | |
| Average 0.6270 Cu.m of aggregate required for 1.0 metric ton of premix (all types) | | | | | | | |
| S1-033 | Supply, lay and compact asphalt concrete cold mix (19 mm, 20% cut back with binder (80/100) 5.5% mix) - dense (plant made) in small works such as bridge decking, reinstatement of trenches etc. (transport of aggregate* for premix and transport of premix to be paid separately.) [SSCM - 507] | mt | | | | 3,867.13 | 3,867.13 |
| (For other binder contents see general notes - clause 29.8 of HSR published by RDA) | | | | | | | |
| * Average 0.6270 Cu.m of aggregate required for 1.0 metric ton of premix (all types) | | | | | | | |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| S1-033A | Supply, lay and compact asphalt concrete cold mix with emulsion CSS -1(6.67% by wgt of agg. 19 mm) -dense (plant made) in small works such as bridge decking, reinstatement of trenches etc. (transport of aggregate* for premix and transport of premix to be paid separately.) [SSCM - 507] | mt | | | | 3,867.10 | 3,867.10 |
| (For other binder contents see general notes - clause 29.8 of HSR published by RDA) | | | | | | | |
| S1-034 | Lay and compact asphalt premix using paver (cost of premix, aggregate transport* and premix transport to be paid separately.) | mt. | | | | 2,195.60 | 2,223.35 |
| * Average 0.6270 Cu.m of aggregate required for 1.0 metric ton of premix (all types) | | | | | | | |
| S1-035 | Bitumen surfacing (sand sealing - manual) using emulsion(CRS-1) at the rate of 1l./Sq.m. including preparing surface, blinding with sand at the rate of 4Cu.m /500 Sq.m and pressing with improvised hand rallers (patching pot holes if necessary & external transport to pay separately) (excluding cost of emulsion) | Sq.m | | | | 77.95 | 59.55 |
| S1-035A | Patching minor pot holes using sand emulsion mix 1:8 where necessary, prior to sand sealing. (excluding cost of emulsion) | Sq.m. | | | | 26.33 | 24.91 |
| S1-036* | Sand sealing with emulsion CRS-1 at the rate of 1 ltr/Sq.m using plant, including brushing, cleaning, blinding with sand @ of 125 Sq.m/Cu.m, and rolling with pneumatic roller and internal transport [SSCM 504]: (excluding cost of emulsion) (patching pot holes if necessary & external transport to pay separately) | Sq.m. | | | | 82.08 | 67.79 |
| <p>Note* : The above rate is applicable only if chip spreader and pneumatic roller are used for the construction. otherwise approved SSR should be adopted.</p> | | | | | | | |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| S1-037 | Reconstruct base with penetration macadam using nominal size 50 mm aggregate and 19 mm key aggregate from stock piles, to a compacted thickness of 75mm, on existing pavements. [SSCM 406] (cost of binder, and aggregate including transport to be paid separately) | Sq.m. | | | | 255.63 | 255.63 |
| S1-038 | Reconstruct base with penetration macadam using nominal size 37.5 mm aggregate and 12.5 mm key aggregate from stock piles, to a compacted thickness of 55 mm, on existing pavements. [SSCM 406] (cost of binder, and aggregate including transport to be paid separately) | Sq.m | | | | 179.41 | 179.41 |
| S1-039 | Correction of corrugations, depression and cambering road surfaces using asphalt concrete compacted by vibrating roller including internal transport. (application of tack coat and supply of asphalt concrete to be paid separately) | mt. | | | | 3,184.42 | 3,184.42 |
| S1-040* | Sand sealing with emulsion CRS-2 at the rate of 0.8 ltr/sq.m using plant, and blinding with sand at the rate of 125 Sq.m/Cu.m on D.B.S.T./S.B.S.T. (triple seal) including internal transport [SSCM 504]: (Binder transport to site to pay separately) (excluding cost of emulsion) | Sq.m. | | | | 82.08 | 67.79 |
| <p>Note *This item should be used only for sand sealing on road surface after DBST / SBST work and use of pneumatic roller is essential. if emulsion and / or the rate of application or the method of sand spreading to be changed, S.S.R. shall be prepared and approved.</p> | | | | | | | |
| 7.3.8 ROAD SURFACE MAINTENANCE | | | | | | | |
| Internal transport of hot bitumen up to 16 km | | | | | | | |
| Note : Transportation to be included for sand related works | | | | | | | |
| MN1-001 | Patching with hot bitumen using 14 litres per 1/2 km (SSCM 1102.1 - 1102.3) (excluding cost of bitumen) | 1/2 km | | | | 2,572.27 | 2,317.47 |
| MN1-002 | Patching with hot bitumen using 21 litres per 1/2 km (excluding cost of bitumen) | 1/2 km | | | | 3,858.41 | 3,476.20 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------|-----------------|--------------|------------|-----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| MN1-003 | Patching with hot bitumen using 28 litres per 1/2 km (excluding cost of bitumen) | 1/2 km | | | | 5,144.54 | 4,634.93 |
| MN1-004 | Patching with hot bitumen using 35 litres per 1/2 km (excluding cost of bitumen) | 1/2 km | | | | 6,430.68 | 5,793.67 |
| MN1-005 | Patching with hot bitumen using 42 litres per 1/2 km (excluding cost of bitumen) | 1/2 km | | | | 7,716.81 | 6,952.40 |
| MN1-006 | Patching with hot bitumen using 49 litres per 1/2 km (excluding cost of bitumen) | 1/2 km | | | | 9,002.95 | 8,111.13 |
| MN1-007 | Patching with hot bitumen using 56 litres per 1/2 km (excluding cost of bitumen) | 1/2 km | | | | 10,289.08 | 9,269.87 |
| MN1-008 | Extensive patching for every additional 7 ltrs. hot bitumen (excluding cost of hot bitumen) | 1/2 km | | | | 1,286.14 | 1,158.73 |
| MN1-009 | Patching with cold bitumen (CRS-1) using 14 litres per 1/2 km (excluding cost of cold bitumen) | 1/2 km | | | | 1,649.12 | 1,394.31 |
| MN1-010 | Patching with cold bitumen (CRS -1) using 21 litres per 1/2 km (excluding cost of cold bitumen) | 1/2 km | | | | 2,473.67 | 2,091.47 |
| MN1-011 | Patching with cold bitumen (CRS -1) using 28 litres per 1/2 km (excluding cost of cold bitumen) | 1/2 km | | | | 3,298.23 | 2,788.63 |
| MN1-012 | Patching with cold bitumen (CRS -1) using 35 litres per 1/2 km: (excluding cost of cold bitumen) | 1/2 km | | | | 4,122.79 | 3,485.78 |
| MN1-013 | Patching with cold bitumen (CRS -1) using 42 litres per 1/2 km: (excluding cost of cold bitumen) | 1/2 km | | | | 4,947.35 | 4,182.94 |
| MN1-014 | Patching with cold bitumen (CRS -1) using 49 litres per 1/2km (excluding cost of cold bitumen) | 1/2 km | | | | 5,771.91 | 4,880.09 |
| MN1-015 | Patching with cold bitumen (CRS -1) using 56 litres per 1/2 km (excluding cost of cold bitumen) | 1/2 km | | | | 6,596.46 | 5,577.25 |
| MN1-016 | Extensive patching for every additional 7 ltrs. cold bitumen CRS-1 (excluding cost of cold bitumen) | 1/2 km | | | | 824.56 | 697.16 |
| MN1-017 | 50 mm - 19 mm Aggregate roller patching | Cu.m | | | | 6,775.76 | 6,775.76 |
| MN1-018 | 50 mm - 19 mm Aggregate stamped patching | Cu.m | | | | 6,623.59 | 6,623.59 |
| 7.3.9 ROAD SIDE AND DRAINAGE SYSTEM (SSCM 701.3) | | | | | | | |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| (*Rate to include spreading the resulting materials suitably in the vicinity unless otherwise directed) | | | | | | | |
| DR1-001 | Cutting new side drains in ord. Soil * | Cu.m | | | | 1,096.38 | 1,096.38 |
| DR1-002 | Cutting new side drains in med. Soil * | Cu.m | | | | 1,512.90 | 1,512.90 |
| DR1-003 | Cutting new side drains in hard soil : * | Cu.m | | | | 1,929.42 | 1,929.42 |
| DR1-004 | Cutting new side drains in soft rock * | Cu.m | | | | 2,137.68 | 2,137.68 |
| DR1-005 | Cutting new side drains in unclassified soil * | Cu.m | | | | 1,512.90 | 1,512.90 |
| DR1-005A | Cutting side drains of std. dimensions in unclassified soil using machine (back hoe j.c.b.) including shaping, trimming and levelling bottom manually. | Cu.m | | | | 516.03 | 516.03 |
| DR1-006 | Cutting new side drains in rock * | Cu.m | | | | 5,353.73 | 5,353.73 |
| DR1-007 | Turfing (excluding royalty, transport and watering & maintenance) [SSCM 802.3a] | Sq.m | | | | 269.00 | 269.00 |
| DR1-008 | Watering & maintaining turf for three months including transport of water | Sq.m | | | | 417.31 | 417.31 |
| DR1-009 | Levelling & trimming earth * | Sq.m | | | | 31.81 | 31.81 |
| DR1-010 | Clearing silt ect. from kerbs & channels [SSCM 1205.3] * | m | | | | 19.22 | 19.22 |
| DR1-011 | Cutting scupper drains on any soil other than rock to an average width of 0.75m with proper gradient and ave. depth of 100 mm [SSCM 1304.3] * | m | | | | 133.72 | 133.72 |
| DR1-012 | Clearing & desilting of culverts [SSCM 1303.3] * | No. | | | | 392.33 | 392.33 |
| DR1-013 | Levelling chocked culverts (with head room > 1 m**) * | Cu.m | | | | 1,628.62 | 1,628.62 |
| ** If the culvert head room is less than 1 metre, work shall be carried out on day works basis. | | | | | | | |
| DR1-014 | 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 * | m | | | | 48.19 | 48.19 |
| DR1-015 | Clearing inlets & outlets of culverts * | No. | | | | 353.25 | 353.25 |
| 7.3.10 BRIDGES, CULVERTS & RETAINING WALLS ETC. | | | | | | | |
| Note : Transportation to be included for sand related works | | | | | | | |
| ST1-001 | Demolishing dry coursed masonry including stacking or loading.[SSCM 202.2] | Cu.m | | | | 4,817.14 | 4,817.14 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|---------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| ST1-002 | Demolishing coursed masonry in cement mortar including stacking or loading. | Cu.m | | | | 5,613.96 | 5,613.96 |
| ST1-003 | Demolishing random rubble masonry in cement mortar including stacking or loading. | Cu.m | | | | 2,462.90 | 2,462.90 |
| ST1-004 | Random rubble masonry, 150-225 mm rubble in approved cements & sand mortar 1:6 (excluding transport of rubble & piling) [SSCM 1006.3] | Cu.m | | | | 17,707.20 | 18,378.33 |
| ST1-005 | Random rubble masonry, 150-225 mm rubble in approved cements & sand mortar 1:5 (excluding transport of rubble & piling) [SSCM 1006.3] | Cu.m | | | | 18,559.23 | 19,230.36 |
| ST1-006 | Random rubble masonry, in approved cements & sand mortar 1:6 with available rubble 150-225 mm | Cu.m | | | | 14,120.60 | 13,626.77 |
| ST1-007 | Random rubble masonry, in approved cements & sand mortar 1:6 with available rubble 150-225 mm | Cu.m | | | | 14,972.63 | 14,478.81 |
| ST1-008 | Dry masonry with available heavy rubble or boulders [SSCM 1006.3(B)] | Cu.m | | | | 6,881.63 | 6,881.63 |
| ST1-009 | Dry random masonry with rubble 150-225 mm excluding transport of rubble & piling) | Cu.m | | | | 8,768.99 | 9,829.06 |
| ST1-010 | Dry random masonry with available rubble 150-225 mm | Cu.m | | | | 5,505.30 | 5,505.30 |
| ST1-011 | Packing available rubble and aggregate filter layers behind masonry walls | Cu.m | | | | 1,429.77 | 1,429.77 |
| ST1-012 | Clay puddled & laid behind masonry walls (excl. transport of clay) [SSCM 705.3] | Cu.m | | | | 3,621.82 | 3,621.82 |
| ST1-013 | Grouting coursed stone masonry joints with approved cement & sand mortar 1:3 [SSCM 804.2 (C)] | Sq.m | | | | 668.25 | 659.14 |
| ST1-014 | Grouting rubble paving with concrete class C, 1:2:4(19 mm) (excl. Transport of aggr. for concrete & piling) | Cu.m | | | | 3,360.46 | 3,419.27 |
| ST1-015 | Grouting rubble paving with approved cement & sand mortar (1:3) | Sq.m | | | | 1,131.50 | 1,113.28 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|----------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| ST1-016 | Forming weep holes on masonry construction (labour only) [SSCM 706.3] | No. | | | | 512.50 | 512.50 |
| ST1-017 | Formong weep holes using p.v.c pipes of int. dia. not less than 100 mm. Complete with dripledge and surround finish smooth | m | | | | 1,723.78 | 1,723.78 |
| ST1-018 | Shoring with 37.5 mm thick class II timber planks up to 3 m depth | Sq.m | | | | 1,462.15 | 1,462.15 |
| ST1-019 | Supplying & fixing class II timber struts etc. For shoring up 3 m depth | Cu.de ci m | | | | 108.69 | 108.69 |
| ST1-020 | Supplying & fixing class II timber in shoring up to 3 m depth (rate per area basis) | Sq.m | | | | 1,732.24 | 1,732.24 |
| ST1-021 | Lifting soil for every 1.5m beyond the initial 1.5m | Cu.m ./ lift | | | | 796.82 | 796.82 |
| ST1-022 | Lifting wedge stones every 1.5 m beyond the initial 1.5 m | Cu.m ./ lift | | | | 2,390.50 | 2,390.50 |
| ST1-023 | Lifting rubble or concrete 1.5 m beyond the initial 1.5m | Cu.m ./ lift | | | | 1,195.23 | 1,195.23 |
| ST1-024 | Lowering wedged stones every 1.5 m beyond the initial 1.5m | Cu.m ./ lower | | | | 1,593.64 | 1,593.64 |
| ST1-025 | Lowering rubble or concrete for every 1.5 m beyond the initial 1.5 m | Cu.m / lower | | | | 796.82 | 796.82 |
| ST1-026 | Rendering 12.5 mm thick in cement sand motar 1:2 mix (rough) | Sq.m | | | | 1,144.85 | 1,128.76 |
| ST1-027 | Rendering 12.5 mm thick in cement sand motar 1:2 mix (smooth finish) | Sq.m | | | | 1,353.08 | 1,336.99 |
| ST1-028 | Rendering 19mm thick in cement sand motar 1:2 mix (rough) | Sq.m | | | | 1,627.69 | 1,602.95 |
| ST1-029 | Rendering 19 mm thick in cement sand motar 1:2 mix (smooth finish) | Sq.m. | | | | 1,835.85 | 1,811.11 |
| ST1-030 | Rendering 12.5 mm thick in cement sand motar 1:3 mix (rough) | Sq.m. | | | | 1,068.50 | 1,048.70 |
| ST1-031 | Rendering 12.5 mm thick in cement sand motar 1:3 mix (smooth finish) | Sq.m | | | | 1,298.74 | 1,278.92 |
| ST1-032 | Rendering 19 mm thick in cement sand motar 1:3 mix (rough) | Sq.m | | | | 1,500.41 | 1,470.75 |
| ST1-033 | Rendering 19 mm thick in cement sand motar 1:2 mix (smooth finish) | Sq.m | | | | 1,729.23 | 1,699.57 |
| ST1-034 | Grade 10 1:4:8 (50mm) (volume batching) using crusher run aggregate (excl. | Cu.m | | | | 20,448.23 | 20,942.05 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| | Transport of aggregate & piling) (manual) [SSCM 1001.4] | | | | | | |
| ST1-035 | Grade 10 1:4:8 (50mm) (volume batching) using crusher run aggregate (excl. transport of aggregate & piling) (using concrete mixer) [SSCM 1001.8-1001.9] | Cu.m | | | | 20,287.92 | 20,782.62 |
| ST1-036 | Grade 10 1:4:8 (50mm) with 20% plums (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) (manual) | Cu.m | | | | 18,994.82 | 19,601.64 |
| ST1-037 | Grade 10 (50mm) with 20% plums (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) (using concrete mixer) | Cu.m | | | | 18,054.13 | 18,658.99 |
| Note | When hand broken aggregate (50 mm or 37.5 mm) are used, in place of crusher run aggregate, on approval by PD/CE S.S.R. to be prepared based on the same norms. | | | | | | |
| ST1-038 | Grade 15 (37.5 mm) with 20% plums (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) (manual) | Cu.m | | | | 20,432.63 | 21,180.55 |
| ST1-039 | Grade 15 (37.5 mm) with 20% plums (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) :(using concrete mixer) | Cu.m | | | | 19,472.26 | 20,219.72 |
| ST1-040 | Grade 15 (37.5mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) [SSCM 1001.4] (Manual) | Cu.m | | | | 23,960.24 | 24,630.74 |
| ST1-041 | Grade 15(37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) (using concrete mixer) | Cu.m | | | | 23,007.89 | 23,679.27 |
| ST1-042 | Grade 15 (19 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) (manual) | Cu.m | | | | 24,325.25 | 24,935.32 |
| ST1-043 | Grade 15 (19 mm) (volume batching) using crushed aggregate (excl. Transport of aggregate & piling) (using concrete mixer) | Cu.m | | | | 23,226.56 | 23,835.91 |
| ST1-044 | Grade 20 (37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) (manual) | Cu.m | | | | 26,835.15 | 27,505.66 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| ST1-045 | Grade 20 (37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) (using concrete mixer) | Cu.m | | | | 26,156.23 | 26,827.61 |
| ST1-046 | Grade 20 (19 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) (manual) | Cu.m | | | | 27,009.34 | 27,603.67 |
| ST1-047 | Grade 20 (19 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling) (using concrete mixer) | Cu.m | | | | 26,313.53 | 26,906.88 |
| ST1-048 | Mixing & laying using concrete mixer (w/batching), cement concrete for grade 25(19mm) using crusher run aggregate in foundations and floors. (excl. Transport of aggregate & piling) * | Cu.m | | | | 28,468.27 | 29,061.62 |
| * See General Notes : Clause 33.7 of HSR published by RDA | | | | | | | |
| ST1-048A | Mixing & laying using concrete mixer (w/batching), cement concrete for grade 25 (70% 37.5+30%19) using crusher run aggregates. (excl. transport of aggregate & piling) * | Cu.m | | | | 26,456.08 | 26,834.92 |
| * See General Notes : Clause 33.7 of HSR published by RDA | | | | | | | |
| ST1-049 | Mixing & laying using concrete mixer (w/batching), cement concrete for grade 30(19mm), with crusher run aggregate. (excl. transport of aggregate & piling) * | Cu.m | | | | 32,489.46 | 33,093.28 |
| *See general notes clause 33.7 of HSR published by RDA | | | | | | | |
| ST1-050 | Mixing & laying using concrete mixer (w/batching), cement concrete for grade 40(19mm), with crusher run aggregate (excl. transport of aggregate & piling) * | Cu.m | | | | 36,479.51 | 37,088.87 |
| *See General Notes : Clause 33.7 of HSR published by RDA | | | | | | | |
| ST1-051 | Mixing & laying cement concrete by hand | Cu.m | | | | 6,735.65 | 6,735.65 |
| ST1-052 | Mixing & laying cement concrete by power driven concrete mixer v/batching | Cu.m | | | | 5,790.85 | 5,790.85 |
| ST1-053 | Curing of concrete decks, slabs, beams, walls etc. [SSCM 1011.11] | Sq.m/day | | | | 76.22 | 69.96 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| ST1-055 | Fabricate & lay tor steel as reinforcement (incl. Transport) | kg | | | | 508.74 | 508.74 |
| ST1-056 | Cutting & laying reinforcement fabric (excluding cost of reinforcement fabric) | Sq.m | | | | 296.62 | 296.62 |
| ST1-057 | Suppling & fixing 25mm thick planks of class II timber as shuttering, including removing [SSCM 1008.3 (b)] | Sq.m | | | | 1,841.26 | 1,841.26 |
| ST1-058 | Supplying & fixing class II timber bearers, joists, etc. including dismantling in shuttering [SSCM 1008.3 (a)] | Cu.de ci m | | | | 85.79 | 85.79 |
| ST1-059 | 100 - 150 mm dia. round jungle timber supplied & fixed as props. | m | | | | 131.19 | 131.19 |
| ST1-060 | 150 - 200 mm dia. round jungle timber supplied & fixed as props. | m | | | | 136.68 | 136.68 |
| ST1-061 | Formwork smooth finish with class II timber for bridge beams, bridge deck under sides and sides including dismantling. [SSCM 1008.3(b)] | Sq.m | | | | 4,338.78 | 4,338.78 |
| | | | | | | | |
| ST1-062 | Formwork smooth finish with class II timber for bridge column shafts including dismantling. [SSCM 1008.3(b)] | Sq.m | | | | 4,048.83 | 4,048.83 |
| ST1-063 | Formwork smooth finish, using plywood (shutter 15 mm) and class II timber bearers, joists and jungle timber props for bridge abutments, wingwalls etc. | Sq.m | | | | 3,960.45 | 3,960.45 |
| Consider 2 no. Panels of 1m x 1m | | | | | | | |
| ST1-064 | Supplying & fixing 25 mm thick planks and struts of class II timber as formwork rough finish, in foundation etc. including removing. [SSCM 1008.3(b)] | Sq.m | | | | 1,953.95 | 1,953.95 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| ST1-065 | Formwork smooth finish for general purposes, using 25 mm thick planks & struts of class II timber and round jungle timber props 100-150mm dia., including dismantling | Sq.m | | | | 2,638.70 | 2,638.70 |
| ST1-066 | Laying & jointing 152 mm dia. concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] | m | | | | 4,501.08 | 4,501.08 |
| ST1-067 | Laying & jointing 229 mm dia. concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] | m | | | | 5,643.10 | 5,643.10 |
| ST1-068 | Laying & jointing 305 mm dia. concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] | m | | | | 6,679.90 | 6,679.90 |
| ST1-069 | Laying & jointing 457 mm dia. concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] | m | | | | 8,455.86 | 8,455.86 |
| ST1-070 | Laying & jointing 610 mm dia. concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] | m | | | | 13,299.69 | 13,299.69 |
| ST1-071 | Laying & jointing 915 mm dia. concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] | m | | | | 23,410.43 | 23,410.43 |
| ST1-072 | Laying & jointing 1220 mm dia. concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] | m | | | | 44,771.35 | 44,771.35 |
| ST1-073 | Laying & jointing 152 mm dia. available concrete pipes and collars | m | | | | 935.51 | 935.51 |
| ST1-074 | Laying & jointing 229 mm dia. available concrete pipes and collars | m | | | | 998.29 | 998.29 |
| ST1-075 | Laying & jointing 305 mm dia. available concrete pipes and collars | m | | | | 1,078.81 | 1,078.81 |
| ST1-076 | Laying & jointing 610 mm dia. available concrete pipes and collars | m | | | | 2,097.50 | 2,097.50 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|----------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| ST1-077 | Laying & jointing 915 mm dia. available concrete pipes and collars | m | | | | 3,601.69 | 3,601.69 |
| ST1-078 | Laying & jointing 1220 mm dia. available concrete pipes and collars | m | | | | 5,153.86 | 5,153.86 |
| ST1-079 | Fixing new bridge new bride planks runners and stacking old planks (available) [SSCM 1402.2(a)] | No | | | | 1,264.17 | 1,264.17 |
| ST1-080 | Removing & re-setting old bride planks | No. | | | | 790.10 | 790.10 |
| ST1-081 | Supplying & fixing new bride planks of class I timber | Cu.de ci m | | | | 304.73 | 304.73 |
| ST1-082 | Supplying & fixing 31 mm thick deck planks of class I timber | Sq.m | | | | 11,101.59 | 11,101.59 |
| ST1-083 | Fixing new chequered or m.s. plates on timber - decked bridge. [SSCM 1402.2(d)] | m | | | | 1,865.16 | 1,865.16 |
| ST1-084 | Removing & refixing new chequered m.s. plates on timber - decked bridge. | m | | | | 2,486.89 | 2,486.89 |
| ST1-085 | Tightening bolts & nuts of chequered or M.S. plates | m | | | | 436.89 | 436.89 |
| ST1-086 | Removing & refixing 'U' clips. [SSCM 1402.2(b)] | No | | | | 266.50 | 266.50 |
| ST1-087 | Cleaning, wire brushing & painting steel work, one coat enamel paint. | Sq.m | | | | 455.59 | 455.59 |
| ST1-088 | Cleaning, wire brushing & applying tar on steel work, one coat | Sq.m | | | | 266.62 | 266.62 |
| ST1-089 | Cleaning with cotton waste & painting steel work with enamel paint, one coat. | Sq.m | | | | 313.75 | 313.75 |
| ST1-090 | Chipping to bare metal etc. & painting with anticorrosive paint, one coat. | Sq.m | | | | 1,187.63 | 1,187.63 |
| ST1-091 | Painting with one coat of enamel paint after cleaning, derusting & application of one coat anticorrosive paint. [SSCM 1401.3(c)] | Sq.m | | | | 957.78 | 957.78 |
| ST1-092 | Painting with two coat of enamel paint after cleaning, derusting & application of one coat anticorrosive paint. | Sq.m | | | | 1,226.81 | 1,226.81 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| ST1-093 | Oiling steel cables on suspension bridges [SSCM 1405.3] | Sq.m | | | | 2,243.31 | 2,243.31 |
| ST1-094 | Cleaning booms of steel bridges including scaffolding where necessary [SSCM 1401.3] | m | | | | 106.15 | 106.15 |
| ST1-095 | Demolishing unreinforced cement concrete including cleaning of debris in foundation and superstructure in dry condition excluding under water structures. [SSCM 202.2] | Cu.m | | | | 4,180.65 | 4,180.65 |
| ST1-096 | Demolishing reinforced concrete and debris cleared | Cu.m | | | | 5,864.84 | 5,864.84 |
| ST1-097 | Demolishing unreinforced concrete in very heavy structures buildup of grade 30 above concrete in work such as bridge beams & deck slabs, including collecting & removing | Cu.m | | | | 18,675.42 | 18,675.42 |
| ST1-098 | Supplying & fixing M.S. dowels, spliced and dove tailed with wedge at one end, 16 mm dia and 1 m long, boring holes to 0.3 m depth in fixing | No. | | | | 1,151.89 | 1,151.89 |
| ST1-099 | Supplying & fixing M.S dowels, spliced and dove tailed with wedge at one end, 20 mm dia and 1 m long, boring holes to 0.3 m depth in fixing | No | | | | 1,527.96 | 1,527.96 |
| ST1-100 | Supplying & fixing M.S dowels, spliced and dove tailed with wedge at one end, 25 mm dia and 1 m long, boring holes to 0.3 m depth in fixing | No | | | | 2,147.52 | 2,147.52 |
| ST1-101 | Laying & standard type road kerbs (125 mm wide x 900 mm long), set on 19 mm thick 1:3 cement mortar layer on 150 mm x 275 mm wide 1:2:4 (19) concrete foundation with average. 157 mm x 150 mm wide backing with same concrete including excavation and shuttering. (Cost of kerb stones including transport and aggregate * transport, to pay separately) | m | | | | 3,646.89 | 3,681.65 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| ST1-102 | Lay standard precast bridge kerbs (cost of precast kerbs including transport to be paid separately) | lm | | | | 713.80 | 713.80 |
| ST1-103 | Constructing 150 x 150 mm thick insitu lower kerb in grade 20 (14 mm) concrete for bridge: (aggregate transport to be paid separately) | lm | | | | 418.73 | 427.49 |
| ST1-104 | Laying 450 x 450 x 50 mm precast concrete slabs on foot walks including ave. 40 mm thick 1:3 cement mortar bedding. (cost of precast slabs and transport, to be pay separately) | Sq.m | | | | 2,602.30 | 2,539.31 |
| ST1-105 | Laying 450 x 450 x 50 mm precast concrete slabs on foot walks including ave. 40 mm thick sand bedding. (cost of precast slabs and transport, to be pay separately) | Sq.m | | | | 1,485.08 | 1,435.61 |
| ST1-106 | Fixing precast hand railing and uprights using grade 25(19) concrete including form work for pockets. (cost of the precast items including transport and aggregate* transport, to pay separately.) | lm | | | | 2,104.72 | 2,115.46 |
| *Quantity of aggregate required for concreting in 1 m length is equal to: 0.017 Cu.m. | | | | | | | |
| ST1-107 | Construction of R.C.C. grade 25(19 mm) end pillaster, type I (aggr. transport and iron piling to be paid separately) | No. | | | | 76,575.61 | 77,253.26 |
| ST1-108 | Construction of R.C.C. grade 25(19 mm) end pillaster, type II. (aggr. transport and iron piling to be paid separately) | No | | | | 84,695.19 | 85,522.33 |
| ST1-109 | Construction of R.C.C. grade 25(19 mm) end pillaster, type III. (aggr. transport and builtup rubble foundation to be paid separately) | No. | | | | 49,338.76 | 49,797.01 |
| ST1-110 | Construction of R.C.C. grade 25(19 mm) end pillaster, type IV. (aggr. transport to be paid separately) | No. | | | | 53,320.16 | 53,779.01 |
| ST1-111 | Laying of grade 20 concrete precast pin kerbs in grade 20(19) concrete foundation as | lm | | | | 1,223.75 | 1,239.91 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| | ending (aggregate transport to be paid separately) | | | | | | |
| *Aggregate required per 1 m for pin kerb - 0.01 Cu.m & for foundation - 0.02 Cu.m. | | | | | | | |
| ST1-112 | Supplying & fixing 25 mm thick tongue & grooved planks with 50x50 mm struts of class I timber in panels as smooth shuttering for concrete drains | Sq.m | | | | 2,132.27 | 2,132.27 |
| ST1-113 | Supply and packing 50 - 200 mm dry stone lining behind abutments and wing walls: (aggregate transport to pay separately) | Cu.m | | | | 5,563.16 | 6,812.28 |
| ST1-114 | Laying geotextile on prepared surface supply and transport to pay separately | Sq.m | | | | 80.01 | 80.01 |
| ST1-115 | Construction of gabion wall using 4x1x1m mesh including lacing wire on prepared ground. (supply and transport of gabion mesh to be paid separately) | Cu.m | | | | 8,891.17 | 10,216.25 |
| ST1-116 | Construction of gabion wall using 4x1x0.5m mesh including lacing wire on prepared ground. (supply and transport of gabion mesh to be paid separately) | Cu.m | | | | 9,486.95 | 10,812.03 |
| ST1-117 | Construction of kerb inlet with cover slabs, aggregate transport to pay separately | No. | | | | 18,590.12 | 18,777.85 |
| Note : Earth excavation to consider by Engineer as per site condition and add separately if required | | | | | | | |
| Items reserved for bridge works only | | | | | | | |
| The rates in the following items from ST1-118 to ST1-120 should be added to the concrete rate selected from items ST1-038 TO ST1-050, depending on the structural location | | | | | | | |
| ST1-118 | Additional labour for pouring, compacting and levelling concrete in screed under foundation slab | Cu.m | | | | 1,141.59 | 1,141.59 |
| ST1-119 | Additional labour for pouring & compacting concrete in abutment, wingwalls, capping beams including screed of bridge decks. | Cu.m | | | | 352.94 | 352.94 |
| ST1-120 | Additional labour for pouring, compacting and levelling infiler concrete between bridge beams including screed of bridge decks. | Cu.m | | | | 1,716.00 | 1,716.00 |
| ST1-121 | Laying ready mixed grade concrete including vibration. | Cu.m | | | | 2,370.96 | 2,370.96 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| | * (supply of concrete to be paid separately) | | | | | | |
| *Additional labour to be considered depending on the location of concrection. | | | | | | | |
| ST1-122 | Supplying and laying approved hard rubber bearing pads 75mm x 12mm over capping beams and under the approach slabs | m | | | | 2,830.70 | 2,830.70 |
| ST1-123 | Bitumenous sealing material supplied and laid under beam ends to prevent grout leak on to capping beam transport of emulsion including (excluding cost of emulsion) | m | | | | 203.52 | 196.10 |
| ST1-124 | 230 mm dia. Polythene displaces supplied and filled with saw dust or similar light material in deck. transport of saw dust to be pay separately | m | | | | 127.14 | 127.14 |
| ST1-125 | 325 mm dia. Polythene displaces supplied and filled with saw dust or similar light material in deck. transport of saw dust to be pay separately | m | | | | 191.65 | 191.65 |
| ST1-126 | PCC beams (10.55 to 13.5m) launched into position | m | | | | 17,442.23 | 17,442.23 |
| ST1-127 | M.S. angle iron and hard rubber expansion joints | m | | | | 13,583.86 | 13,583.86 |
| 7.3.11. KILOMETER POSTS AND GUARD STONES | | | | | | | |
| RF1-001 | White washing, two coats to guide/guard stone | No. | | | | 90.17 | 90.17 |
| RF1-002 | White washing, two coats k.m. stones inc. numbering & tar skirting | No. | | | | 963.84 | 963.84 |
| RF1-003 | Painting white back ground on parapets etc. & stenciling nos. | No. | | | | 400.95 | 400.95 |
| RF1-004 | Fixing guard stones in any soil | No. | | | | 281.88 | 281.88 |
| RF1-005 | Casting std. K.m. stones with R.C.C. [1:2:4 (19 mm) & cement 282.5 kg/Cu.m], including curing, for "A" and "B" class roads | No. | | | | 9,226.96 | 9,302.44 |
| RF1-006 | Casting std. K.m. stones with R.C.C. [1:2:4 (19 mm) & cement 282.5 kg/Cu.m], including curing, for "C" and "D" class roads | No. | | | | 6,162.42 | 6,199.27 |
| RF1-007 | Fixing standard type k.m. stone in any soil | No. | | | | 2,087.50 | 2,087.50 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| RF1-008 | Fixing new or refixing type guard stone cement concrete [1:3:6 (37.5 mm) and cement 219 kg/Cu.m] with min. Cover 75mm x 300mm depth | No. | | | | 1,240.28 | 1,267.10 |
| RF1-009 | Casting standard type guard stones in concrete [1:2:4(19 mm) & cement 282.5kg/Cu.m | No. | | | | 3,094.57 | 3,128.25 |
| RF1-009A | Casting standard type guard stones in concrete G20(19), for bridges & culverts | No. | | | | 4,900.63 | 4,934.65 |
| RF1-010 | Route numbering with reflective paint on 2 sides | No. | | | | 812.75 | 812.75 |
| RF1-011 | Casting standard boundary markers in reinforced concrete [1:2:4(19 mm)] with admixtures, including 14 days curing and loading to vehicles at yard (aggregate transport to pay separately) | No. | | | | 3,438.45 | 3,462.02 |
| Note | 19 mm aggregate per boundary marker Cu.m | | | | | | |
| 7.3.12. NOTICE BOARDS & SIGN BOARDS | | | | | | | |
| [SSCM 810.2 and 1501.3] | | | | | | | |
| (All paints should conform to the requirements of S.L.S. as given in SSCM 1707) | | | | | | | |
| RS1-001 | Notice & traffic sign boards etc. Fixed in concrete [1:3:6(37.5 mm) and cement 219 kg/Cu.m), (excluding transport of aggregate) | No. | | | | 2,221.24 | 2,258.79 |
| RS1-002 | Cleaning white washing 2 coat town name boards (inc. Tar skirt) | No. | | | | 500.60 | 500.60 |
| RS1-003 | Cleaning, painting one coat & relettering etc. town traffic sign boards inc. Paint post in b/w | No. | | | | 3,065.78 | 3,065.78 |
| RS1-004 | Cleaning and painting one coat on notice board | Sq.m | | | | 532.91 | 532.91 |
| RS1-005 | Lettering & numbering below 50 mm | No. | | | | 68.65 | 68.65 |
| RS1-006 | Lettering & numbering 50 mm - 75 mm | No. | | | | 82.38 | 82.38 |
| RS1-007 | Lettering & numbering 75 mm - 150 mm | No. | | | | 102.97 | 102.97 |
| RS1-008 | Lettering & numbering 150 mm - 225 mm | No. | | | | 137.29 | 137.29 |
| RS1-009 | Painting 2 coats continuous centre line, 100 mm wide with enamel paint | m | | | | 204.12 | 204.12 |
| RS1-010 | Painting 1 coat continuous centre line, 100 mm wide with road marking paint (white) | m | | | | 214.23 | 214.23 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| RS1-0011 | Painting 2 coats broken centre line, 100 mm wide with enamel paint | m | | | | 183.02 | 183.02 |
| RS1-012 | Painting 1 coat broken centre line, without reflective studs), 100 mm wide, at 3 metre intervals with road marking paint (white) | m | | | | 191.19 | 191.19 |
| RS1-013 | Barricading with empty (hot tar) barrels including white washing, transporting and cost of barrels | No. | | | | 550.07 | 550.07 |
| RS1-014 | Revetment to banks etc. with empty barrels in horizontal tiers with vertical batter (1:8), including transport of barrels | No. | | | | 836.47 | 836.47 |
| RS1-015 | Road marking continuous centre line 100 mm width, using thermoplastic paint (white), inclusive barricading | Sq.m | | | | 372.86 | 378.58 |
| (Paint material and reflective glass beads to pay separately) | | | | | | | |
| Note | 1 kg of thermoplastic paint covers 0.28 Sq.m area at 1.5 mm thickness | | | | | | |
| 25 kg of glass beads is sufficient for 100 Sq.m of centre line. | | | | | | | |
| RS1-016 | Road marking, standard pedestrian crossing, using thermoplastic paint (white), inclusive barricading | m | | | | 817.91 | 830.50 |
| (Paint material and reflective glass beads to pay separately) | | | | | | | |
| Note : 1 kg of thermoplastic paint covers 0.28 Sq.m area at 1.5 mm thickness | | | | | | | |
| 6 kg of glass beads is sufficient for 15 metre long standard crossing. | | | | | | | |
| RS1-017A | Supplying and paving inter locking 210 X 110 X 60mm (15N/mm ²) blocks in 1:2:4(12.5mm) cement concrete blocks (Excluding block transport (Transport schedule to main town of each district) | Sq.m | | | | 4,465.07 | 4,292.81 |
| RS1-017B | Supplying and paving inter locking 210 x 110 x 80mm (40N/mm ²) blocks in 1:2:4(12.5mm) cement concrete blocks (excluding blocks transport) (transport scheduled to main town of each district) | Sq.m | | | | 4,680.70 | 4,508.44 |
| RS1-017C | Supplying and paving inter locking 210 x 110 x 80mm (30N/mm ²) blocks in 1:2:4 (12.5mm) cement concrete blocks (excluding blocks transport) (transport | Sq.m | | | | 4,465.07 | 4,292.81 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| | scheduled to main town of each district) | | | | | | |
| 7.3.13 MISCELLANEOUS | | | | | | | |
| MS1-001 | Preparing, stock piling premix using pen. grade bitumen (excl. transport of aggregate) (site made) (excluding cost of bitumen) | Cu.m | | | | 16,698.58 | 16,838.43 |
| MS1-002 | Patching shallow holes, depth less than 20mm using hot bitumen 1.2 l/Sq.m and 12.5 mm chips single size at the rate of 13.75 Cu.deci m/Sq.m including hand tamping (rate excludes cost of bitumen and includes cost of materials) (excl. transport of aggregate & bitumen) | Sq. | | | | 219.40 | 243.71 |
| MS1-003 | Patching shallow holes, depth less than 20 mm using 10% - 20% cut back bitumen 1.2 ltr/Sq.m and 12.5 mm chips single size at the rate of 13.75 Cu.deci m/Sq.m including hand tamping (rate excludes cost of bitumen and includes cost of materials) (excl. transport of aggregate & bitumen) | Sq.m | | | | 215.85 | 240.17 |
| MS1-004 | Patching shallow pot holes, depth less than 20 mm using emulsion (CRS 1) at the rate of 1.2 ltr/Sq.m and 12.5 mm chips single size at the rate of 13.75 Cu.deci m/Sq.m including hand tamping, transport emulsion to site etc. (rate excludes cost of bitumen and includes cost of materials) (excl. transport of aggregate) | Sq.m | | | | 215.85 | 240.17 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| MS1-005 | Patching pot holes of medium depth of 20-75 mm with premix material (site made) using cut back bitumen 10-20% at the rate of 83.5 Cu.m of 19 mm and down gauge stone aggregate including preparation of surface, tack coat with 30% cut back bitumen at .75 l/Sq.m, trimming sides, laying premix, tamping etc. complete. (rate inclusive of premix made at site & tack coat) (excl. Transport of aggregate): (excluding cost of bitumen) | Sq.m | | | | 1,623.82 | 1,633.19 |
| MS1-006 | Patching pot holes using plant made premix bound including sealing the patching with emulsion (CRS-1) painting @ 7.3 l/mtm, cover with sand (transport of premix paid separately) (excluding cost of emulsion) | Mt. | | | | 5,418.74 | 5,135.47 |
| MS1-007 | Patching pot holes of medium depth of 20-75 mm using graded aggregate 19-12.5 mm using hot bitumen 1.75 ltr/Sq.m covered with blotton material at the rate of 1Cu.m/125 Sq.m, including preparation of surface tack coat with 30% cut back bitumen at .75 ltr/Sq.m, trimming sides, laying aggregate, tamping etc. complete (rate inclusive of aggregate but excl. transport of aggregate & bitumen) (excluding cost of bitumen) | Sq.m | | | | 1,262.69 | 1,343.73 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| MS1-008 | Patching deep pot holes deeper than 75 mm with c/b premix material (site made) to a depth of 37.5 mm (over the already prepared surface with aggregate and gravel paid separately) using 10-20% cut back bitumen at the rate of 83.5 ltr/Cu.m of 19 mm and downgraded aggregate incl. Preparation of surface, tack coat with 30% cut back bitumen at .75ltr/Sq.m, trimming sides, laying premix, tamping etc. complete (rate inclusive of premix made at site and tacl coat) (excl. transport of aggregate & bitumen) :(excluding cost of bitumen) | Sq.m | | | | 961.28 | 965.90 |
| MS1-009 | Patching pot holes more than 75 mm deep with water bound gravel material using 50 mm or 12.5 mm single size aggregate along with useable old aggregate obtained from picking and preparation of surface inc. Laying, watering, spreading gravel of approved quality and tamping as directed. (aggregate and gravel would be paid separately) | Sq.m | | | | 75.34 | 75.34 |
| MS1-010 | Patching ruts and depressions up to 75 mm depth using site made cold mix (cut back) material with the surface and edge prepared as per specifications and application of tack coat with 30% cut back bitumen at .75 l/Sq.m, (excl. transport of aggregate) (excluding cost of bitumen) | Sq.m. | | | | 1,401.27 | 1,410.64 |
| MS1-011 | Patching ruts and depressions upto 75 mm depth using plant made cold mix (cut back) material with the surface and edge prepared as per specifications and application of tack coat with 30% cut back bitumen at .75 l/Sq.m, (cold mix transport will be paid separately): (excluding cost of bitumen) | Sq.m | | | | 597.94 | 597.94 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| MS1-012 | Patching ruts and depressions deeper than 75 mm the surface and edge prepared as per specifications tack coat with 30% cut back bitumen at .75 l/Sq.m, trimming sides 50 mm down gauge aggregated laid and compacted and the top 40 mm laid and compacted with cold mix (cut back) material (aggregate 50 mm down gauge and transport will be paid separately) :(excluding cost of bitumen) | Sq.m | | | | 1,377.51 | 1,382.12 |
| MS1-013 | Patching ruts and depressions upto 75 mm depth the surface and edges prepared as per specifications and application of tack coat with 30% cut back bitumen at .75l/Sq.m, 50mm down gauge aggregated laid and compacted using hot bitumen (1.75 ltr/Sq.m covered with blotten material (sand) at the rate of 1 Cu.m/125 Sq.m (aggregate will be paid separately) (excluding cost of bitumen) | Sq.m | | | | 1,051.87 | 1,033.47 |
| MS1-014 | Patching ruts and depressions deeper than 75 mm depth the surface and edges prepared as per specifications and application of tack coat with 30% cut back bitumen at .75 ltr/Sq.m, 50 mm down gauge aggregated laid and compacted using hot bitumen (1.75 l/Sq.m covered with blotten material (sand) at the rate of 1 Cu.m/125 Sq.m (aggregate will be paid separately) (excluding cost of bitumen) | Sq.m | | | | 1,218.56 | 1,200.16 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| MS1-015 | Correcting & strengthening the edges of road by cold mix 40 mm thick prepared using cut back bitumen 10-20% at the rate of 83.5 l/Cu.m of 19 mm and down gauge aggregate over a tack coat using with 30% cut back bitumen at .75l/Sq.m, laid over 50mm and compacted including earth work excavation to a width of 225 mm and depth of 125 mm. (cost of aggregate and transport to be paid separately) (excluding cost of bitumen) | Sq.m | | | | 1,748.21 | 1,752.82 |
| MS1-016 | Correcting & strengthening the edges of road by cold mix 40mm thick prepared using cut back bitumen 10-20% at the rate of 83.5 ltr/Cu.m of 19 mm and down gauge aggregate over a tack coat using with 30% cut back bitumen at .75l/Sq.m, laid over 50mm and down gauge aggregate laid, on position watered and compacted with a bottom layer of 100 mm aggregate closely pact, including earth work excavation to a width of 225 mm and depth of 225 mm. (aggregate 100mm, 50mm down gauge and transport will be paid separately) :(excluding cost of bitumen) | Sq.m | | | | 2,084.82 | 2,089.44 |
| MS1-017 | Patching sealing with emulsion painting the surface by spray of CRS-1 at the rate of 0.75l/Sq.m squeezing the emulsion and spreading the blotton material (sand) at the rate of 1Cu.m/125 Sq.m (excluding cost of emulsion) | Sq.m. | | | | 97.83 | 79.47 |
| MS1-018 | Patching sealing with hot bitumen painting the surface by using 0.75 l/Sq.m squeegeing the bitumen and spreading the blotton material (sand) at the rate of 1Cu.m/125 Sq.m (transport of bitumen paid separately) (excluding cost of bitumen) | Sq.m. | | | | 100.23 | 81.87 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|--------------|------------|----------|--------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| MS1-019 | Patch sealing of pitted surface using hot sand bitumen mix 104 l/Cu.m of sand spread and hand tamped including brushing and cleaning the surface before application (excluding transport of bitumen): (excluding cost of bitumen) | Sq.m. | | | | 255.07 | 220.62 |
| MS1-020 | Patch sealing of pitted surface with aN emulsion sand slurry using CRS 1 or 2 at the rate of 136.5 l/Cu.m of sand mix properly laid, levelled & squeegeed including brushing and cleaning the surface before application: (excluding cost of emulsion) | Sq.m. | | | | 232.08 | 197.63 |
| MS1-021 | General upkeep of road sides including maintaining the right of way in a neat condition by trimming, weeding & clearing of the road sides, drains, drainage structures, scupper drains and cleaning minor slips | Sq.m. | | | | 38.50 | 38.50 |
| MS1-022 | Cleaning ordinary jungle including removing high growing plants and trees of girth less than 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) | Sq.m. | | | | 4.66 | 4.66 |
| MS1-023 | Cleaning medium jungle including remaining all high growing plants and trees of girth less than 300 mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed | Sq.m. | | | | 6.50 | 6.50 |
| MS1-024 | Cleaning heavy jungle including removing all high growing plants and trees of girth less than 300 mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed | Sq.m. | | | | 8.34 | 8.34 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| MS1-025 | Repairs to damage of shoulders verges and embankments slopes including making good depressions, ruts, holes and erosion path with approved gravelly soil and compacting the same with roller (8-10 ton) as directed (gravelly soil be paid separately if brought from outside) [SSCM 1201.3] | Cu.m | | | | 853.36 | 853.36 |
| MS1-026 | Re grading and re gravelling of shoulders with gravel of approved quality, duly compacted with roller (8-10 tons) as directed for repairing high sides caused by heavying's deposits and construction debris, to required levels by using a grader (120-140 hp) (gravel be paid for separately) [SSCM 1201.3(b)] | Cu.m | | | | 501.17 | 501.17 |
| MS1-027 | Re grading and re gravelling of shoulders with gravel of approved quality, duly compacted with roller (8-10 tons) as directed for repairing high sides caused by heavying's deposits and construction debris, to required levels by manually (gravel (loose volume) paid separately) [SSCM 1201.3(b)] | Cu.m | | | | 929.65 | 929.65 |
| MS1-028 | Replacing the damage cracked concrete slabs in the foot walks with precast/cast insity cement concrete 1:2:4 (19mm) using 19 mm & down gaige stone aggregate to a minimum thickness of 50 mm including fixing / laying in position with cement mortar 1:3 joints over a compacted bed etc. (excluding transport of aggregate) [SSCM 1204.3] | Sq.m | | | | 3,331.67 | 3,351.35 |
| MS1-029 | Cutting and removing fallen trees upto 600mm girth including cutting into required number of pieces including disposal as directed. Minimum piece shall not be less than 2.5 m in length [SSCM 1203.2] | No. | | | | 986.56 | 986.56 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| MS1-030 | Cutting and removing fallen trees upto 600 - 900 mm girth including cutting into required number of pieces including disposal as directed. Minimum piece shall not be less than 2 m. [SSCM 1203.2] | No. | | | | 1,409.38 | 1,409.38 |
| MS1-031 | Weeding masonry culverts small bridges and retaining walls [SSCM 1303.3] | No. | | | | 345.75 | 345.75 |
| MS1-032 | Masonry random rubble with boulders including collect [SSCM 1006.3(b)] | Cu.m | | | | 1,844.12 | 1,844.12 |
| MS1-033 | Fixing cats eyes in tar macadam including breaking road surface, barricade etc. [SSCM 810.3(c)] | No. | | | | 509.10 | 509.10 |
| MS1-034 | Reducing high sides in ordinary soil [SSCM 301.3/1201.3(c)] | Cu.m | | | | 849.82 | 849.82 |
| MS1-035 | Reducing high sides in medium soil | Cu.m | | | | 1,248.23 | 1,248.23 |
| MS1-036 | Reducing high sides in hard soil | Cu.m | | | | 1,646.64 | 1,646.64 |
| MS1-037 | Reducing high sides in soft rock | Cu.m | | | | 2,045.05 | 2,045.05 |
| MS1-038 | Reducing high sides in rock requiring blasting | Cu.m | | | | 4,799.80 | 4,799.80 |
| MS1-039 | White washing 1 coat to parapets of bridges and culverts. [SSCM 1403.3(e)] | Sq.m | | | | 61.93 | 61.93 |
| MS1-040 | White washing 2 coats to parapets of bridges and culverts | Sq.m | | | | 103.48 | 103.48 |
| MS1-041 | White washing 1 coat to parapets of bridges and culverts after cleaning attending to minor repairs | Sq.m | | | | 122.72 | 122.72 |
| MS1-042 | White washing 2 coats to parapets of bridges and culverts after cleaning attending to minor repairs | Sq.m | | | | 165.52 | 165.52 |
| MS1-043 | Painting with emulsion 1 coat to parapets of bridges and culverts, guard stones and k.m. posts after cleaning attending to minor repairs [SSCM 1501.3(a)-(v)] | Sq.m | | | | 406.94 | 406.94 |
| MS1-044 | Painting with enamel 1 coat to parapets of bridges and culverts, guard stones and | Sq.m | | | | 429.37 | 429.37 |

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| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|----------|----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| | k.m. posts after cleaning attending to minor repairs [SSCM 1501.3(a)-(v)] | | | | | | |
| MS1-045 | Painting with enamel 2 coats to parapets of bridges and culverts, guard stones and k.m. posts after cleaning attending to minor repairs [SSCM 1501.3(a)-(v)] | Sq.m | | | | 686.16 | 686.16 |
| MS1-046 | Painting with emulsion 2 coats to parapets of bridges and culverts, guard stones and k.m. posts after cleaning attending to minor repairs | Sq.m | | | | 677.16 | 677.16 |
| MS1-047 | Painting 1 coat emulsion paint to parapets of bridges and culverts, guard stones and k.m. posts including preparing surface of old work. [SSCM 1501.3(b)(v)] | Sq.m | | | | 347.73 | 347.73 |
| MS1-048 | Painting sub coat emulsion paint to parapets of bridges and culverts, guard stones and k.m. posts including preparing surface [SSCM 1501.3(b)] | Sq.m | | | | 305.75 | 305.75 |
| MS1-049 | Painting 1 coat emulsion paint to parapets of bridges and culverts, guard stones and k.m. posts including preparing surface of new work. [SSCM 1501.3(b)(v)] | Sq.m | | | | 331.52 | 331.52 |
| MS1-050 | Cleaning & painting 100 mm wide stripe for skirting to guard stones. [SSCM 1501.3(b)(v)] | lm | | | | 114.85 | 114.85 |
| MS1-051 | Painting 2 coats standard pedestrian crossing for carriageway. [SSCM 810.2(c)] | lm | | | | 3,454.84 | 3,454.84 |
| MS1-052 | Painting 1 coat standard pedestrian crossing for carriageway using road marking paint. [SSCM 810.2(c)] | lm | | | | 3,900.90 | 3,900.90 |
| MS1-053 | Erecting, barricading in jungle timber 75 - 100 mm dia. Vertical posts at .9 m centres and 1.2 m above ground including white washing. [SSCM 1709] | lm | | | | 884.63 | 884.63 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| MS1-054 | Temporary scaffolding for painting or tarring bridges and for weeding on bridges or retaining wall including dismantling after work [SSCM 1008.3(a)] | Sq.m | | | | 178.12 | 178.12 |
| MS1-055 | Roughening existing smooth tarred metaled carriageway by hand for bonding, collecting disposal of all loose materials. [SSCM 403.3(b)] | Sq.m | | | | 25.35 | 25.35 |
| MS1-056 | Supply of diesel for machineries: (ex-filling station) | l | | | | 325.00 | 325.00 |
| MS1-057 | Patching road with premix (loose volume) after prep. Surface with emulsion (css-1) at .75 ltr/Sq.m as tack coat, including internal transport and hand stamping. (supply of premix (loose vol.) Paid separately) [SSCM 1102.3(b)(i)] (excluding cost of emulsion) | Cu.m | | | | 9,563.36 | 9,563.36 |
| MS1-058 | Patching road with premix after preparing surface with emulsion (CSS-1) at .75 ltr/Sq.m as tack coat, including internal transport and hand stamping. (supply of premix (loose vol.) Paid separately) [SSCM 1102.3(b)(i)] (excluding cost of emulsion) | mt. | | | | 9,199.40 | 9,199.40 |
| MS1-059 | Painting two coats enamel paint on kerbs, after cleaning and preparing surfacing. | Sq.m. | | | | 676.39 | 676.39 |
| MS1-060 | Preparing and stock piling premix at site using 12.5 mm aggregate and emulsion CSS-1 (excluding transport of aggregate): (excluding cost of emulsion) | Cu.m | | | | 25,982.60 | 26,122.44 |
| MS1-061 | Breaking manually asphalt layer 2" - 3" thick on the carriageway for kerb laying | m | | | | 621.41 | 621.41 |

Road Works Rate - 2023

| New Code | Description of Item | Unit | Basic Rate (Rs) | | | | |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------|-----------------|--------------|------------|-----------|-----------|
| | | | Jaffna | Killinochchi | Mullaitivu | Vavuniya | Mannar |
| 7.3.14 SURVEYING, LEVELLING AND DAY WORKS | | | | | | | |
| SV1-001 | Supply of unskilled labour | day | | | | 2,200.00 | 2,200.00 |
| SV1-002 | Supply of semiskilled labour | day | | | | 2,300.00 | 2,300.00 |
| SV1-003 | Supply of skilled 'A' grade labour | day | | | | 3,000.00 | 3,000.00 |
| SV1-004 | Supply of skilled 'B' grade labour | day | | | | 2,450.00 | 2,450.00 |
| SV1-005 | Clearing jungle (light) to a width of 1.22 m for survey work | km | | | | 8,403.73 | 8,403.73 |
| SV1-006 | Clearing jungle (medium) to a width of 1.22 m for survey work | km | | | | 11,204.97 | 11,204.97 |
| SV1-007 | Clearing jungle (heavy) to a width of 1.22 m for survey work | km | | | | 16,807.45 | 16,807.45 |
| SV1-008 | Supply of labour for cleaning and cutting pegs and pegging | km | | | | 2,196.43 | 2,196.43 |
| SV1-009 | Levelling chaining and pegging and establishing bench marks on concrete rock or pegs and checking back levels | km | | | | 4,392.86 | 4,392.86 |
| SV1-010 | Surveying including fixing pickets & taking angles | km | | | | 4,392.86 | 4,392.86 |
| SV1-011 | Changing traverse lines and taking off-sets | km | | | | 5,857.14 | 5,857.14 |