

ROAD DEVELOPMENT DEPARTMENT -NORTHERN PROVINCE
H.S.R. - SCHEDULE OF PRICES FOR THE YEAR 2023 (MONTH OF SEPTEMBER),JAFFNA

NEW CODE	DESCRIPTION OF ITEM	UNIT	Rate (Sept 2023)
	LABOUR RATES (BASIC)		
B0-001	SKILLED A - (SK 'A')	DAY (8HRS)	3,000.00
B0-002	SKILLED B - (SK 'B')	DAY (8HRS)	2,500.00
B0-003	SEMI SKILLED - (S/SK)	DAY (8HRS)	2,300.00
B0-004	UNSKILLED - (U/SK)	DAY (8HRS)	2,200.00
	HIRE CHARGES (WET LEASE BASIC - INCLUDING OPERATOR)		
B0-101	TAR BOILER (HEATING WITH FIREWOOD) (LESS OPERATOR) *	DAY (6HRS)	100.00
B0-102	CONCRETE / ASPHALT MIXER (400 LTRS)	DAY (6HRS)	12,000.00
B0-103	BITUMEN SPRAYER (LESS OPERATOR) *	DAY (6HRS)	110.00
B0-104	WATER TANK + 50 MM. PUMB (LESS OPERATOR) *	DAY (6HRS)	4,691.16
B0-105	WELDING PLANT ENGINE DRIVEN : WITH WELDER	DAY (6HRS)	17,209.70
B0-106	PORKER VIBRATER (LESS OPERATOR)*	DAY (6HRS)	3,320.00
B0-107	PLATE COMPACTOR (90 KG) (LESS OPERATOR)*	DAY (6HRS)	4,636.65
B0-108	VIBRATING RAMMER (60 KG) (LESS OPERATOR)*	DAY (6HRS)	4,039.47
B0-109	VIBRATING ROLLER (1/2 - 1 TON)	DAY (6HRS)	9,743.06
B0-110	VIBRATING ROLLER (SMOOTH - 10 TONS)	DAY (6HRS)	46,500.00
B0-111	SMOOTH / ROAD ROLLER (8 - 10 TONS : STATIC)	DAY (6HRS)	24,750.00
B0-112	PNEUMATIC ROAD ROLLER (8 - 10 TONS)	HOUR	6,775.00
B0-112-A	VIBRATING ROLLER (0.75 - 1.25 TON)	DAY	13,425.00
B0-113	MOTOR GRADER (65 HP)	DAY (6HRS)	32,430.47
B0-114	MOTOR GRADER (120 - 140 HP)	DAY (6HRS)	56,400.00
B0-115	BACKHOE LOADER (JCB)	DAY (6HRS)	37,514.63
B0-116	WHELL LOADER (1.4 CU.M)	DAY (6HRS)	39,159.97
B0-116A	WHELL LOADER (1.7 CU.M)	DAY (6HRS)	40,370.00
B0-117	TRACTOR & TRAILOR (3TON:)	DAY (6HRS)	14,300.00
B0-118	LORRY / TIPPER / DT (EXCEEDING 10 KM)	KM/CU.M.	45.90
B0-119	-DO - (FOR LESS THAN 10 KM. DISTANCES)	KM/CU.M.	52.97
B0-119 -1	-DO - (FOR LESS THAN 03 KM. DISTANCES)	KM/CU.M.	51.19
B0-120	TRANSPORT OF PREMIX BY DUMP TRUCK **	KM/M.TONNE	33.54
B0-120A	TRANSPORT OF EMULSION PER 100 LITRES	KM/100 LTRS	3.53
B0-121	SAND / CHIP SPREADER - PROPELLED	DAY (6HRS)	49,032.66
B0-121A	SAND / CHIP SPREADER - TOWED	DAY (6HRS)	2,908.02
B0-122	FRAM TRACTOR & BROOM	DAY (6HRS)	13,318.68
B0-123	EMULSION SPRAYER SELF PROP. (4000 LITRES)	DAY (6HRS)	31,657.17
B0-124	WHEEL LOADER (2.7 - 3.1 CU.M)	DAY (6HRS)	54,550.93
B0-124A	WHEEL LOADER (2.0 - 2.3 CU.M)	DAY (6HRS)	44,000.08
B0-125	LORRY 3 TON (2.5 CU.M)	KM	88.28
B0-126	LORRY 5 TON (3.5 CU.M)	KM	108.57
B0-127	LORRY 7 TON (4.5 CU.M)	KM	128.00
B0-128	WATER BOWSER (6000 LITRES)	DAY (6HRS)	19,775.00
B0-129	ASPHALT PAVER (Crawler)	HOUR	11,994.63
B0-129A	ASPHALT PAVER (Wheel)	HOUR	11,950.83
B0-130	TANKER ONLY (20,000 LITRES)	HOUR	240.84
B0-131	PRIME MOVER OLD (FOR 20,000 L TANKER)	HOUR	10,823.72
B0-131A	PRIME MOVER NEW (FOR 30 T TRAILER)	HOUR	10,823.72
B0-132	BABY DUMPER .75 CU.M (LESS OPERATOR)	HOUR	2,173.81
B0-133	WATER PUMP 4" (WITH OPERATOR)	HOUR	2,086.10
B0-133A	WATER PUMP 2" (LESS OPERATOR)	HOUR	1,128.79
B0-134	SLUDGE PUMP 4" (WITH OPERATOR)	HOUR	2,788.62
B0-135	VIBRATING ROLLER (6 - 7 TONS) TANDEM	HOUR	4,127.71
B0-136	CONCRETE MIXER WITH LOAD CELL WEIGH BATCHER 14/10	DAY (6HRS)	14,165.02
B0-137	TROLLEY EMULSION (LESS OPERATOR)*	HOUR	104.48
B0-138	SPRAYER EMULSION HAND CART	HOUR	1,389.02
B0-139	ROAD MARKER HAND CART GAS HEATER	HOUR	1,628.46
B0-140	BITUMEN DISTRIBUTOR 750 LITRES	HOUR	2,628.89
B0-141	TANK TRUCK BITUMEN 10,000 LTR	HOUR	6,893.42
B0-142	STONE CRUSHER 40T/H	HOUR	21,022.31
B0-143	TRACK DRILL CRAWLER	HOUR	2,521.36
B0-144	COMPRESSOR AIR 750 CFM	HOUR	12,430.21
B0-145	SLURRY SEALING MACHINE	HOUR	19,502.23
B0-146	MOBILE CRANE 25 TON	HOUR	12,104.26
B0-146 A	MOBILE CRANE 30 TON - WET	HOUR	15,930.35
B0-147	ASPHALT PLANT 60T/H HOT MIX	HOUR	33,724.61
B0-148	COLD MIX PLANT 15T/H - 147 A ITEM DELETED	HOUR	
B0-149	PICKUP TRUCK 2WD - ITEM DELETED	KM	

NEW CODE	DESCRIPTION OF ITEM	UNIT	Rate (Sept 2023)
B0-150	FARM TRACTOR WITH WATER BOWSER	HOUR	2,383.33
B0-151	LORRY 17 TON SELF LOADING (WET)	KM	348.78
B0-152	TRACTOR WITH EMULSION BOWSER	HOUR	1,918.30
B0-153	EMULSION TANK TRUCK (8000 LITRES)	KM	271.22
B0-154	DOZER (CRAWLER TRACTOR) D-4,D-41(80 - 100 HP)	HOUR	8,598.24
B0-155	EXCAVATOR MOBILE	HOUR	12,362.04
B0-156	AIR COMPRESSOR 250 CFM	HOUR	4,916.67
B0-157	HAND HELD BREAKER (DEMOLISHER) LESS OPERATER	DAY	679.05
B0-158	ROCK DRILL HAND HELD (LESS DRILL STEEL)	HOUR	494.41
	SUPPLY OF SOIL FROM BORROW PITS INCLUDING		
	LOADING and TRANSPORT. (FOR QUANTITIES MORE THAN 300 CU.M.)		
	* SEE GENERAL NOTES FOR FURTHER DETAILS ON USING THIS RATE		
B0-201	APPROVED SOIL TYPE I & II FOR BASES & SHOULDERS	CU.M	4,000.00
B0-202	APPROVED SOIL TYPE I & II FOR EMBANKMENTS	CU.M	4,000.00
	AGGREGATE & RUBBLE		
	INCLUDING BLASTING, LOADING & PILING		
NOTE *	Unit rates are scheduled to the main town of each District (No transport will be added to 10km from that town) Refer 6.1 GENERAL SPECIFICATION OF ROAD WORKS FOR TRANSPORT		
B0-301	(150MM - 225MM) RUBBLE - (VEHICLE MEASUREMENT, EXCLUDING PILING)	CU.M	5,250.00
B0-302	(150MM - 225MM) RUBBLE PILED	CU.M	5,666.52
B0-303	(100MM) AGGREGATE PLANT PRODUCTION	CU.M	5,800.00
B0-308A	(19MM) AGGREGATE	CU.M	6,400.00
B0-309	(12.5MM) AGGREGATE	CU.M	5,650.00
B0-310	(37.5MM) - DO - , (S.S.C.M. TB : 1701-1 / 1701-4)	CU.M	6,000.00
B0-311	(50MM) - DO - , (S.S.C.M. TB : 1701-4)	CU.M	6,000.00
B0-312	CRUSHER FINES (6.3MM. DOWN WARDS)	CU.M	5,300.00
B0-313	(37.5MM) GRADED (TABLE 1701.5 FOR ABC)	CU.M	7,600.00
	AGGREGATE FOR SEAL COAT TREATMENTS (GRADING AS PER SSCM TABLE 1701-8)		
B0-314	AGGREGATE 19MM	CU.M	11,457.00
B0-315	AGGREGATE 12.5MM	CU.M	10,044.00
B0-316	AGGREGATE 9.5MM	CU.M	10,044.00
	SAND (Unit rates are scheduled to the main town of each District) (No transport will be added to 10km from that town)		
	Refer 6.1 GENERAL SPECIFICATION OF ROAD WORKS FOR TRANSPORT		
B0-331	RIVER SAND FOR ROAD SURFACE APPLICATIONS (SSCM TABLE 1701-9)	CU.M	6,250.00
B0-332	RIVER SAND FOR CONCRETE AND MASONRY WORK (SSCM TABLE 1701-2)	CU.M	6,250.00
	BRICKS (INCLUSIVE TRANSPORT)		
B0-340	COMMON BURNT CLAY BUILDING BRICKS (SLS 39:1978)	1000 NOS	Market Price
	BITUMEN & EMULSION		
B0-351	BITUMEN 80/100[200 LTR DRUMS]	LITRE	200.00
B0-351A	BITUMEN 60/70 [140 LTR DRUMS] (EX-STOCKIST)	LITRE	200.00
B0-352	EMULSION - C.S.S. 1	LITRE	159.00
B0-353	EMULSION - C.R.S. 1	LITRE	159.00
B0-354	EMULSION - C.R.S. 2	LITRE	165.00
B0-355	BITUMEN 80/100[BULK] (DELIVARY AT SITE) FOR ALL ASPH.PLANTS	KG	191.00
B0-355A	BITUMEN 60/70 [BULK] (DELIVARY AT SITE) FOR ALL ASPH.PLANTS	KG	191.00
B0-356	MC 30	LITRE	280.00

NEW CODE	DESCRIPTION OF ITEM	UNIT	Rate (Sept 2023)		
	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 - BINDER 80/100, 5% MIX* - DENSE [19MM]	M.TON	24,000.00		
B0-361A	ASPHALT CONCRETE : SURFACING MATERIAL - BINDER 60/70, 5% MIX* - DENSE [19MM]	M.TON			
B0-362	ASPHALT CONCRETE : BOND BASE MATERIAL - BINDER 3.53% MIX* - DENSE [37.5MM]	M.TON			
B0-362A	ASPHALT CONCRETE : BINDER COURSE MATERIAL - BINDER 60/70, 4.2% MIX* - DENSE [19MM]	M.TON			
	(FOR PROJECTS & MAINTENANCE)				
B0-365	ASPHALT CONCRETE - COLD MIX WITH CUT BACK 20% - BINDER 5.5% MIX* - DENSE [19MM]	M.TON			
B0-366	COLD MIXED ASPHALT WITH EMULSION CSS-1 (6.67% BY WGT OF AGG.) AND 19MM AGG.LESS TRANSP. OF BINDER	M.TON			
	* ADD COST OF TRANSPORT OF 59.17 LITRES OF EMUL.CSS-1, PER EACH M.TON OF COLD MIX				
	* FOR OTHER PERCENTAGES OF BINDER IN B0-361, B0-362, B0-365 AND B0-366, SEE GENERAL NOTES : SECTION 29, ITEM 12.				
	TIMBER & FOREWOOD (INCLUDING TRANSPORT COST)				
B0-391	SAWN TIMBER CLASS 1 (LOCAL)	CU.DECI.M	281.70		
B0-392	SAWN TIMBER CLASS 2 (LOCAL)	CU.DECI.M	133.15		
B0-393	TIMBER ROUND JUNGLE - 100MM MINIMUM AND 150MM AVERAGE DIAMETER	METRE	100.00		
B0-394	TIMBER ROUND JUNGLE - 150MM MINIMUM AND 200MM AVERAGE DIAMETER	METRE	125.00		
B0-395	FIREWOOD	CU.M	2,473.00		
B0-396	PLYWOOD (MR) FOR FORMWORK - 15MM THICK	SQ.M	1,958.00		
B0-397	BAMBOO TREE LENGTH GREATER THAN 8 METERS	NO.	490.00		
	CEMENT (INCLUDING TRANSPORT COST)				
B0-401	PORTLAND CEMENT (FOR ALL WORK)	BAG (50 KG)	1,920.00		
	STEEL AND STEEL ITEMS (INCLUDING TRANSPORT COST)				
B0-411	MILD STEEL	KG	290.00		
B0-411A	TOR STEEL	KG	290.00		
B0-431	BINDING WIRE	KG	443.20		
B0-432	WIRE NAILS, M.S.BOLTS & NUTS	KG	369.00		
B0-433	STAINLESS STEEL 20MM DIA.(FOR DOWELS)	METRE	2,064.45		
B0-434	GI PIPES,50MM DIAMETER:HEAVY DUTY TYPE	METRE	4,344.85		
B0-435	M.S SHEET,2MMTHICK	SQ.M	5,649.00		
	PRECAST CONCRETE ITEMS				
	EX - FACTORY : MINIMUM PRICE EXCLUDING GST				
	REINFORCED CONCRETE PIPES & COLLARS				
	DIAMETER - MM	LENGTH - MM	UNIT	PIPE	COLLAR
				A	B
B0-441	153 (6")	2438 (8')	01 NO.	8,333.00	1,800.00
B0-442	229 (9")	2438 (8')	01 NO.	10,600.00	2,000.00
B0-443	305 (12")	2438 (8')	01 NO.	13,000.00	2,500.00
B0-444	450 (1' 6")	2438 (8')	01 NO.	15,500.00	3,000.00
B0-445	610 (2' 0")	2438 (8')	01 NO.	25,636.00	3,500.00
B0-446	914 (3' 0")	1219 (4')	01 NO.	22,500.00	5,000.00
B0-447	1219 (4' 0")	1219 (4')	01 NO.	41,666.67	10,000.00
	PRECAST CONCRETE ITEMS				
B0-448	STD ROAD KERB 125 X 250 X 900 G25 CONCRETE		01 NO.		1,875.00
B0-449	PAVING SLAB 450 X 450 X 50 MM G20 CONCRETE		01 NO.		961.67
B0-450	BRIDGE KERB 915		1 NO.		3,325.00
B0-451	STD. UPRIGHTS FOR BRIDGES (NEW DESIGN)		1 NO.		4,596.67
B0-452	STD. HAND RAILS FOR BRIDGES (NEW DESIGN)		1 NO.		4,390.00
B0-453	COUPING PAIRS FOR HAND RAILS		1 PAIR		805.00
B0-454	RAIN WATER CHANNELS 609MM LONG		1 NO.		2,000.00
B0-455	CEMENT SAND HOLLOW BLOCK 16" X 8" X 4"		1 NO.		137.33
B0-456A	INTERLOCKING CONCRETE BLOCKS (210X110X60MM) (15N/mm ²)		1 NO.		75.00
B0-456B	INTERLOCKING CONCRETE BLOCKS (210X110X80MM) (40N/mm ²)		1 NO.		80.00
B0-456C	INTERLOCKING CONCRETE BLOCKS (210X110X80MM) (30N/mm ²)		1 NO.		75.00
NOTE *	(SEE PAGE 6 FOR PRICES OF P.C.C. BEAMS)				

NEW CODE	DESCRIPTION OF ITEM	UNIT	Rate (Sept 2023)
	BLASTING MATERIALS (INCLUDING TRANSPORT COST)		
B0-501	BLASTING POWDER	KG	2,054.30
B0-502	FUSE WIRE	M	830.90
B0-503	STEEL, JUMPER	KG	1,087.75
B0-504	ELECTRIC DETONATORS	NO.	167.70
B0-505	DYNA CORD	M	77.20
B0-506	GELIGNITE	KG	3,722.90
B0-507	AMMONIUM NITRATE	KG	1,161.80
B0-508	ORDINARY DETONATOR	NO.	12.00
	PAINTS (INCLUDING TRANSPORT COST)		
B0-531	BITUMINOUS EMULSION PAIN (CRS-2)	LITRE	173.68
B0-534	GLUE	KG	364.45
B0-537	LIME - BOILED	KG	28.95
B0-541	ENAMEL PAINT	LITRE	2,250.00
B0-542	PAINT - ANTI COROSIVE	LITRE	1,930.00
B0-543	PAINT - REFLECTIVE [DELETED]	LITRE	-
B0-544	PAINT - EMULSION	LITRE	1,860.00
B0-545	RUST REMOVER	LITRE	3,532.99
B0-546	EMULSION FOR EXTERIOR USE (WEATHERSHIELD)	LITRE	2,395.00
B0-547	ROAD MARKING PAINT (YELLOW)	LITRE	3,454.86
B0-548	ROAD MARKING PAINT (WHITE)	LITRE	3,005.21
	FUEL, OILS & LUBRICANTS		
B0-601	INDUSTRIAL KEROSENE OIL (COLOMBO)	LITRE	231.00
B0-602	MOULD OIL (INCLUDING TRANSPORT)	LITRE	157.50
B0-611	LUBRICANT (OIL)	LITRE	1,520.57
B0-612	AUTO DIESEL	LITRE	341.00
B0-613	PETROL	LITRE	361.00
B0-614	FURNACE OIL FOR BURNERS	LITRE	132.00
B0-615	GAS	KG	257.90
B0-616	LUBRICANT (GREASE)	KG	3,266.67
	MISCELLANEOUS (INCLUDING TRANSPORT COST)		
B0-631	BASKETS	01 NO.	300.00
B0-632	GUNNY BAGS NEW (LARGE)	01 NO.	101.50
B0-632A	POLY SACS (65KG CAPACITY)	01 NO.	71.80
B0-633	COTTON WASTE	KG	160.95
B0-634	SALT	KG	75.00
B0-635	EMPTY TAR BARRELS (140 LTRS)	NO	90.55
B0-636	P.V.C. PIPE 110 MM DIA TYPE 250 PE (WITH TRANS.)	METRE	1,374.55
B0-636B	P.V.C. PIPE 110 MM DIA TYPE 400 PE (WITH TRANS.)	METRE	2,521.95
B0-637	P.V.C. PIPE 50 MM DIA TYPE 400 (WITH TRANS.)	METRE	720.65
B0-638	HARD RUBBER 12MM THICK X 75MM WIDE (WITH TRANS.)	METRE	2,694.73
B0-639	POLYTHENE 325MM DIA GAUGE 300 (APPROX. 13.5 METERS/KG)	KG	922.50
	(TUBULAR FLAT WIDTH APP.505MM, WITH TRANS.)		
B0-640	ALLUMINIUM SHEET 24 SWG	SQ.METRE	7,096.55
B0-641	ANGLE IRON 50X50X6 MM	METRE	1,725.28
B0-642	M.S. PLATE 12MM THICK	SQ.METRE	33,894.00
B0-643	ADHESIVE 250GM TIN	NO	6,906.95
B0-644	EMULSIFIER -CSS/ CRS	KG	2,560.00
B0-645	EARLY STRENGTH ADMIXER (Usage:300 ml per 50kg Cement bag)	LTR	579.07
B0-646	TRAFFIC CONES	NO	3,013.50
B0-647	75MM X 8MM DIA NUTS AND BOLTS	NO	35.90
B0-648	SAW DUST (LOOSE)	CU.M	127.55
B0-649	DRILL STEEL	METRE	150.06
	PIECE RATES & ALLOWANCES		
	ALLOW FOR :		
B0-704	BARRICADING (SMALL WORK ITEMS)	ITEM	1,100.00
B0-705	BARRICADING, LIGHTING, SIGNALLING ETC FOR 100 M (STATIONARY OPERATIONS)	DAY	2,750.00
B0-711	CEMENT, SAND & WATER FOR JOINTING - HUME PIPE 152MM DIAMETER	JOINT	110.00
B0-712	- DO - 229 TO 610MM DIAMETER	JOINT	220.00
B0-713	- DO - 915MM DIAMETER	JOINT	440.00
B0-714	- DO - 1220MM DIAMETER	JOINT	770.00
B0-715	COIR ROPE (FOR SCAFFOLDING 93 SQ.M AREA)	ITEM	550.00
B0-716	COIR STRING FOR CUTTING SIDE DRAINS (PER 2.83 CU.M)	ITEM	82.50
B0-717	- DO - FIXING SCAFFOLDING (PER 93 SQ.M)	ITEM	440.00
B0-718	MINOR REPAIRS OF PARAPETS WITH CEMENT, SAND & WATER (PER 9.29 SQ.M)	ITEM	550.00

NEW CODE	DESCRIPTION OF ITEM	UNIT	Rate (Sept 2023)
B0-720	FUEL *(FOR LOOSENING ROAD SURFACE IN MANUAL BREAKING 50 MM DEPTH X 307 SQ.M)*	ITEM	110.00
B0-723	FUEL, FORGE ETC. (PER 2.83 CU.M BLASTING)	ITEM	220.00
B0-732	LADDERS (PER 93 SQ.M)	ITEM	550.00
B0-741	PAINT (FOR LETTERING & NUMBERING ITEMS)	ITEM	220.00
B0-746	PEGS (FOR TURFING IN 19 SQ.M AREA)	ITEM	550.00
B0-751	SAND PAPER & COTT.WASTE (PER 9.29 SQ.M)	ITEM	330.00
B0-752	SHARP. SCARIFIER TYNES (FOR 307 SQ.M)	ITEM	110.00
B0-761	TIMBER PLANKS & BAMBOOS (FOR 93 SQ.M)	ITEM	1,430.00
B0-762	TIMBER POST, HORIZONTAL ETC.(FOR BARRICADING WORK IN 4L.M)	ITEM	2,200.00
WATER FOR CONCRETING:			
B0-781	ALLOW FOR WATER FOR MIXING BY MACHINE PER	CU.M	55.00
B0-782	ALLOW FOR WATER FOR MIXING MANUALLY PER	CU.M	55.00
WATER FOR COMPACTION & GENERAL USE			
B0-784	ALLOW FOR GRAVEL COMPACTION PER	CU.M	27.50
B0-785	ALLOW FOR AGGREGATE COMPACTION PER	CU.M	38.50
B0-786	ALLOW FOR MOISTENING ROAD SURFACE	ITEM	110.00
B0-787	ALLOW FOR WATER BUCKET & COIR ROPE	ITEM	110.00
B0-788	WATER FOR GENERAL PURPOSE	LITRE	27.50
WHITE WASHING FOR BARRICADING			
B0-791	WHITE WASHING EMPTY BARRELS (PEN.GRADE)	01 NO.	250.00
B0-792	WHITE WASHING TIMBER POSTS, HORIZONTALS, ETC. (IN 4 L.M BARRICADING)	01 ITEM	93.75
FOLLOWING MATERIAL PRICES ARE FOR ESTIMATION ONLY * (PAYMENTS SHOULD BE BASED ON APPROVED TENDER PRICES)			
THERMOPLASTIC ROAD MARKING MATERIALS EXCLUDING TRANSPORT & VAT			
B0-800	THERMO PLASTIC ROAD MARKING MATERIALS (WHITE)*	KG	256.00
B0-801	THERMO PLASTIC ROAD - DO- (YELLOW)*	KG	256.00
B0-802	GLASS BEADS*	KG	256.00
B0-803	CATS EYE 100MM X 100MM*	NO.	4,008.00
P.C.C. BEAMS * EXCLUDING TRANSPORT & VAT			
	BEAM LENGTH	FT.	M
B0-810	P.C.C. BEAM	11'.0	3.35
B0-811	P.C.C. BEAM	14'.0	4.26
B0-812	P.C.C. BEAM	17'.0	5.18
B0-813	P.C.C. BEAM	20'.0	6.09
B0-814	P.C.C. BEAM	23'.0	7.01
B0-815	P.C.C. BEAM	32'.0	9.75
B0-816	P.C.C. BEAM	35'.0	10.67
B0-817	P.C.C. BEAM	40'.0	12.19
B0-818	P.C.C. BEAM	44'.0	13.41
B0-819	P.C.C. BEAM	53'.0	16.15
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
B0-851	2X1X.5 INCLU. COATED TIE (BINDING) WIRE @ 5% OF GABION WEIGHT	PER BOX	12,773.00
B0-852	1.5X1X1 INCLU. COATED TIE (BINDING) WIRE @ 5% OF GABION WEIGHT	PER BOX	13,692.55
B0-853	2X1X1 INCLU. COATED TIE (BINDING) WIRE @ 5% OF GABION WEIGHT	PER BOX	27,576.05
GEOTEXTILES * EXCLUDING TRANSPORT & VAT			
B0-860	GEOTEXTILES (NONWOVAN POLY PROPYLENE POLYMER TEAR RESISTANT > 400N AND APPARENT PORE SIZE < 200 NM)	PER SQ.M	560.00

Road Development Department - Northern Province

HSR Summary - 2023

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
*SEE SECTION I OF GENERAL NOTES FOR SELECTION OF MODE OF TRANSPORT			
T1-001	TRANSPORT OF SOIL 25M TO 100M BY ANY MEANS (INCLU.LOADING AND UNLOADING):	CU.M.	620.13
T1-002	TRANSPORT 100M TO 0.5KM BY ANY MEANS (EXCLUDING LOADING):	CU.M.	572.00
T1-003	TRANSPORT 0.5KM TO 1.0KM BY ANY MEANS (EXCLUDING LOADING):	CU.M.	612.86
T1-003A	TRANSPORT OF EACH SUBSEQUENT 1KM FROM 1.0 - 8.0 KM BY ANY MEANS (EXCLUDING LOADING):	CU.M.	95.33
T1-003B	TRANSPORT OF EACH SUBSEQUENT 1KM BEYOND 8.0 KM BY ANY MEANS (EXCLUDING LOADING):	CU.M.	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 METRES)	CU.M.	153.57
T1-007	TRANSPORT OF MATERIAL IN BULK EXCLUDING LOADING (FROM 3 KM UPTO 10 KILO METRES DISTANCE)	CU.M	52.97
T1-007A	TRANSPORT OF MATERIAL IN BULK EXCLUDING LOADING (FOR DISTANCE MORE THAN 10 KILO METRES)	CU.M	45.90
* T1-008 : CODE AMENDED AS T1-007A			
T1-009	TRANSPORT OF PREMIX IN BULK EXCLUDING LOADING OTHER THAN AT MIXING PLANT	M.TON/ KM	33.54
T1-010	TRANSPORT OF BARRELS OF BITUMEN FOR FIRST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOAD) :	NO.	86.08
T1-010A	TRANSPORT OF BARRELS OF BITUMEN FOR EACH SUBSEQUENT 1.0 KM, FROM 1.0 - 8.0 KM (EXCLUDING LOADING AND UNLOAD) :	NO.	18.15
T1-010B	TRANSPORT OF BARRELS OF BITUMEN FOR EACH SUBSEQUENT 1.0 KM BEYOND 8.0 KM (EXCLUDING LOADING AND UNLOAD) :	NO.	12.53

T1-011 & T1-012 CODE CHANGED

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
T1-013	LOADING BARRLES OF BITUMEN INCLUSIVE OF ROLLING UPTO 25M :	NO.	38.50
T1-014	UNLOADING BARRLES OF BITUMEN INCLUSIVE OF ROLLING AND STACKING :	NO.	16.50
T1-015	TRANSPORT OF HUME PIPES 152MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOAD) :	L.METR E	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 UNLOAD):	L.METR E	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 UNLOAD):	L.METR E	10.33
* T1-016 & T1-017 CODE CHANGED			
T1-018	TRANSPORT OF HUME PIPES 229MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOAD) :	L.METR E	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 UNLOAD):	L.METR E	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 UNLOAD) :	L.METR E	11.62
* T1-019 & T1-020 : CODE CHANGED			
T1-021	TRANSPORT OF HUME PIPES 305MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOAD) :	L.METR E	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 UNLOAD):	L.METR E	21.94
T1-021B	TRANSPORT OF HUME PIPES 305MM DIA. FOR EACH SUBSEQUENT 1.0 KM BEYOND 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOAD) :	L.METR E	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 UNLOAD) :	L.METR E	144.26

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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 UNLOAD) :	L.METR E	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 UNLOAD) :	L.METR E	23.24
* T1-025 & T1-026 : CODE CHANGED			
T1-027	TRANSPORT OF HUME PIPES 610MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOAD) :	L.METR E	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 UNLOAD) :	L.METR E	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 UNLOAD) :	L.METR E	30.99
* T1-028 & T1-029 : CODE CHANGED			
T1-030	TRANSPORT OF HUME PIPES 915MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOAD) :	L.METR E	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 UNLOAD) :	L.METR E	65.82
T1-030B	TRANSPORT OF HUME PIPES 915MM DIA. FOR EACH SUBSEQUENT 1.0 KM BEYOND 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOAD) :	L.METR E	46.48
* T1-031 & T1-032 : CODE CHANGED			
T1-033	TRANSPORT OF HUME PIPES 1220MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOAD) :	L.METR E	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 UNLOAD) :	L.METR E	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 UNLOAD) :	L.METR E	129.93

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
* T1-034 & T1-035 : CODE CHANGED			
T1-036	LOADING AND UNLOADING 152MM DIA. 2.44M LONG HUME PIPES :	NO.	118.80
T1-037	LOADING AND UNLOADING 229MM DIA. 2.44M LONG HUME PIPES :	NO.	138.60
T1-038	LOADING AND UNLOADING 305MM DIA. 2.44M LONG HUME PIPES :	NO.	275.00
T1-039	LOADING AND UNLOADING 457MM DIA. 2.44M LONG HUME PIPES :	NO.	457.60
T1-040	LOADING AND UNLOADING 610MM DIA. 2.44M LONG HUME PIPES :	NO.	596.20
T1-041	LOADING AND UNLOADING 915MM DIA. 1.22.44M LONG HUME PIPES :	NO.	1,100.00
T1-042	LOADING AND UNLOADING 1220MM DIA. 1.22M LONG HUME PIPES :	NO.	2,200.00
T1-043	TRANSPORT OF PRECAST KERB STONES (ALL TYPES) FOR ROAD WORKS, INCLUDING LOADING AND UNLOADING :	L.M./ KM	2.81
T1-044	TRANSPORT OF PRECAST KERB STONES FOR BRIDGE WORKS, INCLUDING LOADING AND UNLOADING :	L.M./ KM	4.22
T1-045	TRANSPORT OF PRECAST CONCRETE HAND RAILS UP-RIGHTS AND JOINTS FOR BRIDGE WORKS, INCLUDING LOADING AND UNLOADING :	L.M./ KM	6.29
T1-046	TRANSPORT OF PRECAST CONCRETE SLABS 450 X 450 X 50 MM FOR FOOT WALKS, INCLUDING LOADING AND UNLOADING :	SQ.M./ KM	7.72
T1-047	TRANSPORT OF PRECAST STANARD BOUNDARY MARKERS INCLUDING UNLOADING ONLY* :	NO. / KM	3.89
* SUPPLY RATE INCLUDE LOADING AT YARD.			
T1-048	TRANSPORT OF EMULSION :	100 L / KM	3.39
T1-049 (NEW)	TRANSPORT OF GABION MESH 4x1x1 M SIZE :	NO. / KM	1.94

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
SECTION II			
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		
1.	BE ADOPTED		
Note	TRANSPORTATION TO BE INCLUDED FOR SAND RELATED WORKS		
E1-001	EXCAVATION IN LOOSE SOIL(DRY)[SSCM 301.2(IV)] :	CU.M.	832.16
E1-002	EXCAVATION IN LOOSE SOIL (WED) IN SLIPS [SSCM 301.3(0)] :	CU.M.	1,031.36
E1-003	EXCAVATION IN ORDINARY SOIL (CUTTING MEASUREMENT)[SSCM 301.2(V)] :	CU.M.	1,230.57
E1-004	EXCAVATION IN ORDINARY SOIL (VEHICLE MEASUREMENT)[SSCM 301.2(V)] :	CU.M.	1,107.51
E1-005	EXCAVATION IN MEDIUM SOIL (CUTTING MEASUREMENT) [SSCM 301.2(IV)] :	CU.M.	1,628.98
E1-006	EXCAVATION IN MEDIUM SOIL (VEHICLE MEASUREMENT)[SSCM 301.2(V)] :	CU.M.	1,384.63
E1-007	EXCAVATION IN HARD SOIL (CUTTING MEASUREMENT)[SSCM 301.2(VII)] :	CU.M.	2,425.80
E1-008	EXCAVATION IN HARD SOIL (VEHICLE MEASUREMENT) [SSCM 301.2(VII)] :	CU.M.	2,789.66
E1-009	EXCAVATION IN UNCLASSIFIED SOIL (CUTTING MEASUREMENT)[SSCM 301.2a(I)] :	CU.M.	1,761.78
NOTE	SEE ITEM NOS. FROM E1-027 ON PAGE 27 FOR ROADWAY EXCAVATION USING MACHINERY.		
E1-010	EXCAVATION IN SOFT ROCK (CUTTING MEASUREMENT) [SSCM 301.2(VII)] :	CU.M.	2,625.00
E1-010A	EXCAVATION IN MUD/MARSHY MATERIAL (CUTTING MEASUREMENT)[SSCM 301.2(VII)] :	CU.M.	2,027.39
E1-011	EXCAVATION PIT/TRECH FOR FOUNDATION IN ORDINARY SOIL NOT EXCEEDING 1.5 M. DEEP INCLUDING LEVELLING AND RAMMING BOTTOM, EXCAVATION MATERIAL DEPOSITED AT SITE WITH IN 25 M OR AS DIRECTED. * (SHORING, DEWATERING IF NECESSARY SHALL BE PAID SEPARATELY) [SSCM 302.1-302.3] :	CU.M.	1,628.98

*** SEE GENERAL NOTES 24(2) FOR DETAILS REGARDING ADDITIONAL EXCAVATION REQUIRED FOR WORKING SPACE.**

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
E1-012	DITTO - HADR SOIL, -DO - DO - :	CU.M.	2,027.39
E1-013	DITTO - HADR SOIL, -DO - DO - :	CU.M.	2,824.20
E1-014	DITTO - IN UNCLASSIFIED SOIL, -DO - DO - :	CU.M.	2,160.19
E1-015	DITTO - MUD/MARSHY MATERIAL, -DO - DO - :	CU.M.	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
* NOTE : EXCAVATING ROCK FOR FOUNDATION TO BE PAID ON S.S.R.			
* ITEM NO. E1-021 DELETED			
E1-021	PILING AVAILABLE SOIL :	CU.M.	199.20
E1-022	LOADING AVAILABLE SOIL TO A TRACTOR OR EQUIVALENT :	CU.M.	262.95
E1-023 (AMEND.)	EXCAVATING ROCK, REQUIRING BLASTING, FOR ROADWAY FOR BOULDERS (EXCLUDING DOZING AWAY [SSCM 301.2 (III) & 306.1 - 306.4]) :	CU.M.	3,433.93
E1-024	BOULDERS SLEDGING, PILING, ETC..	CU.M.	3,712.46
E1-025	ROCK REQUIRING BLASTING :	CU.M.	4,290.53
E1-026 (AMEND.)	ROCK REQUIRING BLASTING AND PILING:	CU.M.	5,449.54
E1-027	ROADWAY EXCAVATION IN UNCLASSIFIED SOIL USING MACHINERY EXCLUDING LOADING AND PILING. (CUTTING MEASUREMENT)	CU.M.	391.05
E1-028	LOADING MATERIAL BY MACHINERY IN ROADWAY EXCAVATION (CUTTING MEASUREMENT) :	CU.M.	237.43
E1-029	TRIMMING / CAMBERING BY MOTOR GRADER (CUTTING MEASUREMENT) :	CU.M.	53.69
E1-029A	TRIMMING / CAMBERING BY MOTOR GRADER (CUTTING MEASUREMENT) :	SQ.M.	10.74

SECTION III

AGGREGATE / RUBBLE PILING INCLUDING LOADING

A1-001	SLEDGING AVAILABLE ROCK 150-225 MM RUBBLE INCLUDING PILING & LOADING :	CU.M.	2,933.75
A1-002	BLASTING ETC. & PILING 150-225 MM RUBBLE INCLUDING LOADING :	CU.M.	5,413.32

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
A1-002A (NEW)	BLASTING SLEDGING ETC. & PILING 150-225MM RUBBLE USING COMPRESSOR & HAND HELD DRILLS INCLUDING LOADING :	CU.M.	N/A
A1-003	BLASTING ETC. & PILING 100MM AGGREGATE, INCLUDING LOADING :	CU.M.	N/A
A1-004	BLASTING ETC. & PILING 75 MM AGGREGATE, INCLUDING LOADING :	CU.M.	N/A
A1-005	BLASTING ETC. & PILING 50 MM AGGREGATE, INCLUDING LOADING :	CU.M.	N/A
A1-006	BLASTING ETC. & PILING 37.5 MM AGGREGATE, INCLUDING LOADING :	CU.M.	N/A
A1-007	BLASTING ETC. & PILING 25 MM AGGREGATE, INCLUDING LOADING :	CU.M.	N/A
A1-008	BLASTING ETC. & PILING 19 MM AGGREGATE, INCLUDING LOADING : *	CU.M.	N/A
* PRIOR APPROVAL OF THE P.DD SHOULD BE OBTAINED FOR THE USE OF 19 MM HAND BROKEN AGGREGATE.			
A1-009	50 MM AGGREGATE, SINGLE SIZE CRUSHER PRODUCTION INCLUDING PILING AND LOADING [SSCM404.1-406.1: TABLE 1701-4]:	CU.M.	6,000.00
A1-010	37.5 MM AGGREGATE, SINGLE SIZE CRUSHER PRODUCTION INCLUDING PILING AND LOADING [SSCM404.1-406.1: TABLE 1701-4]:	CU.M.	6,000.00
A1-011	19 MM AGGREGATE, SINGLE SIZE CRUSHER PRODUCTION INCLUDING PILING AND LOADING [SSCM404.1-406.1]:	CU.M.	6,400.00
A1-012	12.5 MM AGGREGATE, SINGLE SIZE CRUSHER PRODUCTION INCLUDING PILING AND LOADING [SSCM404.1-406.1: TABLE 1701-4]:	CU.M.	5,650.00
<u>PLANT PRODUCTION AGGREGATE FOR DENSE GRADED AGGREGATE BASE COURSE</u>			
A1-013	AGGREGATE 37.5 MM, DOWN GRADED (SSCM - TABLE 1701.5) INCLUDING PILING & LOADING :	CU.M.	7,600.00
A1-014	CRUSHER FINES 6.3 MM DOWN, INCLUDING PILING & LOADING FOR 1.0 CU.M :	CU.M.	5,300.00
A1-015	AGGREGATE 19 MM FOR SEAL COAT TREATMENTS AS PER SSCM TABLE 1701-8, INCLUDING - DO -	CU.M.	11,457.00

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
A1-016	AGGREGATE 12.5 MM FOR SEAL COAT TREATMENTS AS PER SSCM TABLE 1701-8, INCLUDING - DO -	CU.M.	10,044.00
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.	6,059.26
	PRIOR APPROVAL OF THE P.DD SHOULD BE OBTAINED FOR THE USE OF BLENDED AGGREGATE IN RECTIFICATION OVERLAY CONSTRUCTION WORK.		
A1-018	PILING AVAILABLE AGGREGATE :	CU.M.	208.26
A1-019	PILING AVAILABLE RUBBLE :	CU.M.	416.52
A1-020	LOADING AVAILABLE AGGREGATE /RUBBLE :	CU.M.	398.41

SECTION IV
APPROVED EARTH FILLING & COMPACTION

RATES FOR BORROE EARTH SUPPLY GIVEN UNDER ITEM CODES EW1-001 & EW1-011 N THIS SHEDULE 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 PROCURAMENT PROCEDURE GIVEN IN "GENERAL NOTES", SHALL BE FOLLOWED.

*** NOTE**

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.	280.97
EW1-002	SPREADING PILED APPROVED SOIL (LOOSE VOLUME):	CU.M.	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

*** SEE GENERAL NOTES SECTION 26.4 FOR RATE ON COMPACTED VOLUME.**

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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 (NEW)	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
	* SEE GENERAL NOTES SECTION 26.4 FOR RATE ON COMPACTED VOLUME.		
EW1-004	APPROVED SOIL SPREAD & ROLLED IN STRIPS WHERE AVERAGE WIDTH IS LESS THAN 1.2 METRES FOR ROAD WIDENING, INCLUDING ROLLER HIRE CHARGES, FUEL & WATERING (LOOSE VOLUME)* [SSCM 601.1 TO 4]:	CU.M.	830.93
	* SEE GENERAL NOTES SECTION 26.4 FOR RATE ON COMPACTED VOLUME. ASSUMING 50 CU.M COPACTION 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
	* SEE GENERAL NOTES SECTION 26.4 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
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
EW1-009	TRIMMING, LEVELING AND COMPACTION OF ORIGINAL GROUND/SUBGRADE TO 100% STD. DENSITY. [SSCM 304.3 C] :	SQ.M.	114.91
EW1-010	TRIMMING, LEVELING AND COMPACTION OF ORIGINAL GROUND/SUBGRADE TO 95% STD. DENSITY. [SSCM 304.3 C] :	SQ.M.	104.46

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
EW1-011	APPROVED SOIL EXCAVATION FOR EMBANKMENT FILLING INCLUDING LAODING AND PILING (LOOSE VOLUME) [SSCM 601.1 TO 601.4] :	CU.M.	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.	4,199.20
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.	4,199.20
EW1-015	GRADING AND SPREADING BY MOTOR GRADER :	CU.M.	100.71

DATA FOR OUT PUT IN 6 HOURS SPREADING & COMPACTION

SECTION V
RUBBLE PITCHING / PAVING
(RUBBLE TO BE PAID SEPARATELY)

P1-001	PITCHED PAVING 225 MM THICK :	SQ.M.	507.53
P1-002	PITCHED PAVING 150 MM THICK :	SQ.M.	380.65
P1-003	FLAT PAVING 225 MM THICK :	SQ.M.	337.51
P1-004	FLAT PAVING 150 MM THICK :	SQ.M.	253.77

SECTION VI
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.	1,529.78
M1-002	BREAKING ROAD SURFACE TO 50 MM DEPTH BY HAND, SCREEN & REPLACE OLD AGGREGATE :	SQ.M.	146.22
M1-003	SCARIFYING ROAD SURFACE TO 50 MM DEPTH BY ROLLER, SCREEN & REPLACE OLD AGGREGATE :	SQ.M.	132.54

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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
M1-005	BREAKING 50 MM ADDITIONAL DEPTH BY HAND SCREENING & REPLACING OLD AGGREGATE :	SQ.M.	87.38
M1-006	SCARIFYING 50 MM ADDITIONAL DEPTH WITH ROLLER, SCREENING & REPLACING OLD AGGREGATE :	SQ.M.	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
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
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
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.	10,444.63
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.	9,886.06
	* M1-012 : DELETED		
M1-012A (NEW)	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)[SSCM 404.1] :	CU.M.	8,179.17

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
	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 EXCEEDING 1.2 METRES, FOR ROAD WIDENING. EXCLUDING TRANSPORT OF AGGREGATES (LOOSE VOLUME)* [SSCM 405.1 TO 4] :	CU.M.	10,072.91

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 LABOUE 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 (NEW)	GRADED 37.5 AGGREGATE BASE COURSE MATERIAL INCLUDING PILING, SPREAD & ROLLED IN STRIPS, AVERAGE WIDTH NOT EXCEEDING 1.2 METRES USING MACHINERY INCLUDING MOTOR GRADER & ROLLER HIRE CHARGES, FUEL & WATERING (LOOSE VOLUME)* [SSCM 405.1 TO 4]:	CU.M.	8,312.00
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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.

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
SECTION VII			
<u>ROAD SURFACE TREATMENT</u>			
<u>TRANSPORT OF EMULSION / BITUMEN TO BE PAID SEPARATELY</u>			
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.	113.20
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
S1-003	DOUBLE BITUMINOUS SURFACE TREATMENT WITH HOT BITUMEN (MANUAL) INCLUDING INTERNAL TRANSPORT (BINDER AND AGGREGATE PAID SEPARATELY) [SSCM 505.1 - 505.5 & TABLE 505-1] :	SQ.M.	200.76
S1-004	SINGLE BITUMINOUS SURFACE TREATMENT WITH HOT BITUMEN (MANUAL) INCLUDING INTERNAL TRANSPORT (BINDER AND AGGREGATE PAID SEPARATELY) [SSCM 505.1 - 505.5 & TABLE 505-1] :	SQ.M.	107.95
S1-005	DOUBLE BITUMINOUS SURFACE TREATMENT WITH EMULSION (CRS-1) (MANUAL) INCLUDING INTERNAL TRANSPORT (BINDER AND AGGREGATE PAID SEPARATELY) :	SQ.M.	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
S1-007	BITUMEN SURFACING SUBSEQUENT COAT USING 0.75 LTR/SQ.M INCLUDING BLINDING WITH SAND @ 125 SQ.M/CU.M [SSCM 503.1(b)]: (EXCLUDING COST OF BITUMEN) :	SQ.M.	90.15
S1-008	BITUMEN SURFACING 2ND/SUBSEQUENT COAT USING 1.0 LTR/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.	90.15
S1-009	BITUMEN SURFACING SUBSEQUENT COAT USING 0.75 LTR/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

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
S1-010	BITUMEN SURFACING 2ND/SUBSEQUENT COAT USING 1.0 LTR/SQ.M INCLUDING BLINDING WITH GRAVEL FREE OF CLAY WHERE SAND IS NOT AVAILABLE WITHIN 16 KM (NEW WORKS) [SSCM 503.4(c)]: (EXCLUDING COST OF BITUMEN) :	SQ.M.	75.48
S1-011	EMULSION/COLD BITUMEN(CRS-1) SURFACE TREATMENT 1ST COAT WITH 3.5 LTR/SQ.M INCLUDING BLINDING WITH SAND, @ 125 SQ.M/CU.M (MANUAL): (EXCLUDING COST OF EMULSION) :	SQ.M.	85.05
S1-012	EMULSION/COLD BITUMEN(CRS-1) SURFACE TREATMENT 1ST COAT WITH 3.5 LTR/SQ.M (USING TROLLEY, EMULSION), INCLUDING BLINDING WITH SAND, @ 125 SQ.M/CU.M : (EXCLUDING COST OF EMULSION):	SQ.M.	65.98
S1-013	EMULSION/COLD BITUMEN(CRS-1) SURFACE TREATMENT SUBSEQUENT COAT USING 3.5 LTR/SQ.M INCLUDING BLINDING WITH SAND, @ 125 SQ.M/CU.M (MANUAL): (EXCLUDING COST OF EMULSION) :	SQ.M.	66.04
S1-014	EMULSION/COLD BITUMEN(CRS-1) SURFACE TREATMENT SUBSEQUENT COAT WITH 0.75 LTR/SQ.M (USING TROLLEY, EMULSION), INCLUDING BLINDING WITH SAND, @ 125 SQ.M/CU.M : (EXCLUDING COST OF EMULSION) :	SQ.M.	58.82
S1-015	TACK COAT USING EMULSION (CSS-1) @ THE RATE OF 0.5 LTR/SQ.M INCLUSIVE OF BRUSHING, CLEANING ROAD SURFACE (MANUAL) [SSCM 502.3]: (EXCLUDING COST OF EMULSION) :	SQ.M.	19.96
S1-016	TACK COAT USING EMULSION (CSS-1) @ THE RATE OF 0.75 LTR/SQ.M INCLUSIVE OF BRUSHING, CLEANING ROAD SURFACE (MANUAL) [SSCM 502.3]:(EXCLUDING COST OF EMULSION) :	LETRE	39.93
S1-017	TACK COAT USING EMULSION (CSS-1) @ THE RATE OF 0.75 LTR/SQ.M INCLUSIVE OF BRUSHING, CLEANING ROAD SURFACE (MANUAL) [SSCM 502.1-502.3]: (EXCLUDING COST OF EMULSION) :	SQ.M.	19.96
S1-018	TACK COAT WITH 30% CUT BACK BITUMEN USING 0.5 LTR/SQ.M INCLUDING BRUSHING AND CLEANING ROAD SURFACE (MANUAL): (EXCLUDING COST OF BITUMEN) :	SQ.M.	75.83

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
S1-019	TACK COAT WITH 30% CUT BACK BITUMEN USING 0.5 LTR/SQ.M INCLUDING BRUSHING AND CLEANING ROAD SURFACE (MANUAL) (EXCLUDING COST OF BITUMEN) :	LETRE	151.65
S1-020	TACK COAT WITH 30% CUT BACK BITUMEN USING 0.75 LTR/SQ.M INCLUDING BRUSHING AND CLEANING ROAD SURFACE (MANUAL) [SSCM 503.4(d)]: (EXCLUDING COST OF BITUMEN) :	SQ.M.	93.68
S1-021	ROLLING OVER BLINDING MATERIAL SPREAD OVER SUBSEQUENT BITUMEN SURFACING USING DIESEL ROLLER (8-10 TONS) [SSCM 503.4(d)]:	SQ.M.	22.20
S1-022	PRIME COAT WITH EMULSION/COLD BITUMEN(CSS-1) USING 1 LTR/SQ.M INCLUDING BLINDING WITH SAND AT THE RATE OF 250 SQ.M/CU.M AND BRUSHING CLEANING AND MOISTENING ROAD SURFACE : (EXCLUDING COST OF EMULSION) :	SQ.M.	48.77
S1-023	PRIME COAT WITH EMULSION/COLD BITUMEN(CSS-1) USING 1 LTR/SQ.M WITHOUT BLINDING, BUT INCLUSIVE OF BRUSHING, CLEANING AND MOISTENING ROAD SURFACE : (EXCLUDING COST OF EMULSION) :	SQ.M.	20.44
S1-024	PRIME COAT WITH 30% CUT BACK BITUMEN USING 1 LTR/SQ.M INCLUDING BLINDING WITH SAND AT THE RATE OF 250 SQ.M/CU.M AND BRUSHING, CLEANING AND MOISTENING ROAD SURFACE : (EXCLUDING COST OF BITUMEN) :	SQ.M.	141.74
S1-025	PRIME COAT WITH 30% CUT BACK BITUMEN USING 1 LTR/SQ.M WITHOUT BLINDING BUT INCLUSIVE OF BRUSHING, CLEANING AND MOISTENING ROAD SURFACE : (EXCLUDING COST OF BITUMEN) :	SQ.M.	112.34
S1-026	SWEEPING OVER TARRED SURFACE TO ARREST BLEEDING :	SQ.M.	6.20
S1-027	APPLICATION OF ASPHALT EMULSION FOR SURFACE TREATMENT USING CRS - 1 (USING PLANT) "RATE PER LETRE" (EXCLUDING COST OF EMULSION) :	LITRE	13.47
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.	60.03

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
S1-029	SINGLE BITUMINOUS SURFACE TREATMENT WITH EMULSION(CRS-1) USING PLANT. (BINDER AND AGGREGATE PAID SEPARATELY) (RATE TO INCLUDE TRANSPORT COST OF AGGREGATE UP TO 16 KMS) [SSCM 505.5(b)] :	SQ.M.	100.02
S1-030	DOUBLE BITUMINOUS SURFACE TREATMENT WITH EMULSION(CRS-1) USING PLANT. (BINDER AND AGGREGATE PAID SEPARATELY) (RATE TO INCLUDE TRANSPORT COST OF AGGREGATE UP TO 16 KMS) [SSCM 505.5(e)] :	SQ.M.	201.89
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] :	M.T.	27,867.13
	(FOR OTHER BINDER CONTENTS SEE GENERAL NOTES - CLAUSE 29.8) :		
	* 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] :	M.T.	3,867.13
	(FOR OTHER BINDER CONTENTS SEE GENERAL NOTES - CLAUSE 29.8)		
	* 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 - 506] :	M.T.	3,867.13
	(FOR OTHER BINDER CONTENTS SEE GENERAL NOTES - CLAUSE 29.8)		
	* AVERAGE 0.6270 CU.M OF AGGREGATE REQUIRED FOR 1.0 METRIC TON OF PREMIX (ALL TYPES)		

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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 - 506] :	M.T.	3,867.13
	(FOR OTHER BINDER CONTENTS SEE GENERAL NOTES - CLAUSE 29.8)		
S1-034	LAY AND COMPACT ASPHALT PREMIX USING PAVER (COST OF PREMIX, AGGREGATE TRANSPORT* AND PREMIX TRANSPORT TO BE PAID SEPARATELY.) :	M.T.	2,196.43
	* AVERAGE 0.6270 CU.M OF AGGREGATE REQUIRED FOR 1.0 METRIC TON OF PREMIX (ALL TYPES)		
S1-035 (AMENDE D)	BITUMEN SURFACING (SAND SEALING - MANUAL) USING EMULSION(CRS-1) AT THE RATE OF 1LTR./SQ.M. INCLUDING PREPARING SURFACE, BLINDING WITH SAND AT THE RATE OF 4 CU.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.	75.65
S1-035A (NEW)	PATCHING MINOR POT HOLES USING SAND EMULSION MIX 1:8 WHERE NECESSARY, PRIOR TO SAND SEALING. (EXCLUDING COST OF EMULSION) :	SQ.M.	26.15
S1-036* (AMENDE D)	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.	79.78

***NOTE :** THE ABOVE RATE IS APPLICABLE ONLY IF CHIP SPREADER AND PNEUMATIC ROLLER ARE USED FOR THE CONSTRUCTION. OTHERWISE APPROVED SSR SHOULD BE ADOPTED.

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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 75 MM, ON EXISTING PAVEMENTS. [SSCM 406] (COST OF BINDER, AND AGGREGATE INCLUDING TRANSPORT TO BE PAID SEPARATELY) :	SQ.M.	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
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) :	M.T.	3,184.42
S1-040* (AMENDED)	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.	79.78
* 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.		
S1-041	SLURRY SEALING TO A THICKNESS OF 6 MM USING MACHINERY WITH MODIFIED EMULSION (USING CSS-1) AS THE BINDER (TRANSPORT OF AGGREGATE TO PAY SEPARATELY) : (EXCLUDING COST OF EMULSION) :	SQ.M.	122.42

SECTION VIII

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	2,540.42
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<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
MN1-002	PATCHING WITH HOT BITUMEN USING 21 LITRES PER 1/2 KM (EXCLUDING COST OF BITUMEN) :	1/2 KM	3,810.63
MN1-003	PATCHING WITH HOT BITUMEN USING 28 LITRES PER 1/2 KM (EXCLUDING COST OF BITUMEN) :	1/2 KM	5,080.84
MN1-004	PATCHING WITH HOT BITUMEN USING 35 LITRES PER 1/2 KM (EXCLUDING COST OF BITUMEN) :	1/2 KM	6,351.05
MN1-005	PATCHING WITH HOT BITUMEN USING 42 LITRES PER 1/2 KM (EXCLUDING COST OF BITUMEN) :	1/2 KM	7,621.26
MN1-006	PATCHING WITH HOT BITUMEN USING 49 LITRES PER 1/2 KM (EXCLUDING COST OF BITUMEN) :	1/2 KM	8,891.47
MN1-007	PATCHING WITH HOT BITUMEN USING 56 LITRES PER 1/2 KM (EXCLUDING COST OF BITUMEN) :	1/2 KM	10,161.68
MN1-008	EXTENSIVE PATCHING FOR EVERY ADDITIONAL 7 LTRS. HOT BITUMEN : (EXCLUDING COST OF HOT BITUMEN) :	1/2 KM	1,270.21
MN1-009	PATCHING WITH COLD BITUMEN (CRS-1) USING 14 LITRES PER 1/2 KM : (EXCLUDING COST OF COLD BITUMEN) :	1/2 KM	1,617.27
MN1-010	PATCHING WITH COLD BITUMEN (CRS-1) USING 21 LITRES PER 1/2 KM : (EXCLUDING COST OF COLD BITUMEN) :	1/2 KM	2,425.90
MN1-011	PATCHING WITH COLD BITUMEN (CRS-1) USING 28 LITRES PER 1/2 KM : (EXCLUDING COST OF COLD BITUMEN) :	1/2 KM	3,234.53
MN1-012	PATCHING WITH COLD BITUMEN (CRS-1) USING 35 LITRES PER 1/2 KM : (EXCLUDING COST OF COLD BITUMEN) :	1/2 KM	4,043.16
MN1-013	PATCHING WITH COLD BITUMEN (CRS-1) USING 42 LITRES PER 1/2 KM : (EXCLUDING COST OF COLD BITUMEN) :	1/2 KM	4,851.80
MN1-014	PATCHING WITH COLD BITUMEN (CRS-1) USING 49 LITRES PER 1/2 KM : (EXCLUDING COST OF COLD BITUMEN) :	1/2 KM	5,660.43
MN1-015	PATCHING WITH COLD BITUMEN (CRS-1) USING 56 LITRES PER 1/2 KM : (EXCLUDING COST OF COLD BITUMEN) :	1/2 KM	6,469.06
MN1-016	EXTENSIVE PATCHING FOR EVERY ADDITIONAL 7 LTRS. COLD BITUMEN CRS-1: (EXCLUDING COST OF COLD BITUMEN) :	1/2 KM	808.63

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
MN1-017	50 MM - 19 MM AGGREGATE ROLLER PATCHING :	CU.M.	6,775.76
MN1-018	50 MM - 19 MM AGGREGATE STAMPED PATCHING :	CU.M.	6,623.59

SECTION IX

ROAD SIDE AND DRAINAGE SYSTEM (SSCM 701.3)

(*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
DR1-002	CUTTING NEW SIDE DRAINS IN MED. SOIL : *	CU.M.	1,512.90
DR1-003	CUTTING NEW SIDE DRAINS IN HARD SOIL : *	CU.M.	1,929.42
DR1-004	CUTTING NEW SIDE DRAINS IN SOFT ROCK : *	CU.M.	2,137.68
DR1-005	CUTTING NEW SIDE DRAINS IN UNCLASSIFIED SOIL : *	CU.M.	1,512.90
DR1-005A	CUTTING SIDE DRAINES OF STD. DIMENSIONS IN UNCLASSIFIED SOIL USING MACHINE (BACK HOE J.C.B.) INCLUDING SHAPING, TRIMMING AND LEVELLING BOTTOM MANUALLY.	CU.M.	516.03
DR1-006	CUTTING NEW SIDE DRAINS IN ROCK : *	CU.M.	5,389.95
DR1-007	TURFING (EXCLUDING ROYALTY, TRANSPORT AND WATERING & MAINTENANCE) [SSCM 802.3a] :	SQ.M.	269.00
DR1-008	WATERING & MAINTAINING TURE FOR THREE MONTHS INCLUDING TRANSPORT OF WATER :	SQ.M.	417.31
DR1-009	LEVELLING & TRIMMING EARTH : *	SQ.M.	31.81
DR1-010	CLEARING SILT ECT. FROM KERBS & CHANNELS [SSCM 12053] : *	M	19.22
DR1-011	CUTTING SCUPPER DRAINS ON ANY SOIL OTHER THAN ROCK TO AN AVERAGE WIDTH OF 0.75 M WITH PROPER GRADIENT AND AVE. DEPTH OF 100 MM [SSCM 1304.3]: *	M	133.72
DR1-012	CLEARING & DESILTING OF CULVERTS [SSCM 1303.3]: *	NO.	392.33
DR1-013	LEVELLING CHOCKED CULVERTS (WITH HEAD ROOM > 1 M**) : *	CU.M.	1,628.62

** IF THE CULVERT HEAD ROOM IS LESS THAN 1 METRE, WORK SHALL BE CARRIED OUT ON DAY WORKS BASIS.

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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 100 M : *	M	48.19
DR1-015	CLEARING INLETS & OUTLETS OF CULVERTS : *	NO.	353.25

SECTION X

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
ST1-002	DEMOLISHING COURSED MASONRY IN CEMENT MORTAR INCLUDING STACKING OR LOADING. :	CU.M.	5,613.96
ST1-003	DEMOLISHING RANDOM RUBBLE MASONRY IN CEMENT MORTAR INCLUDING STACKING OR LOADING. :	CU.M.	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.	19,652.30
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.	20,384.19
ST1-006	RANDOM RUBBLE MASONRY, IN APPROVED CEMENTS & SAND MORTAR 1:6 WITH AVAILABLE RUBBLE 150-225 MM :	CU.M.	13,882.86
ST1-007	RANDOM RUBBLE MASONRY, IN APPROVED CEMENTS & SAND MORTAR 1:6 WITH AVAILABLE RUBBLE 150-225 MM :	CU.M.	14,614.75
ST1-008	DRY MASONRY WITH AVAILABLE HEAVY RUBBLE OR BOULDERS [SSCM 1006.3(B)] :	CU.M.	6,881.63
ST1-009	DRY RANDOM MASONRY WITH RUBBLE 150-225 MM EXCLUDING TRANSPORT OF RUBBLE & PILING) :	CU.M.	10,755.30
ST1-010	DRY RANDOM MASONRY WITH AVAILABLE RUBBLE 150-225 MM :	CU.M.	5,505.30
ST1-011	PACKING AVAILABLE RUBBLE AND AGGREGATE FILTER LAYERS BEHIND MASONRY WALLS :	CU.M.	1,429.77

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
ST1-012	CLAY PUDDLED & LAID BEHIND MASONRY WALLS (EXCL. TRANSPORT OF CLAY) [SSCM 705.3] :	CU.M.	3,621.82
ST1-013	GROUTING COURSED STONE MASONRY JOINTS WITH APPROVED CEMENT & SAND MORTAR 1:3 [SSCM 804.2 (C)] :	SQ.M.	647.11
ST1-014	GROUTING RUBBLE PAVING WITH CONCRETE CLASS C, 1:2:4(19 MM) (EXCL. TRANSPORT OF AGGR. FOR CONCRETE & PILING) :	CU.M.	3,352.05
ST1-015	GROUTING RUBBLE PAVING WITH APPROVED CEMENT & SAND MORTAR (1:3) :	SQ.M.	1,089.21
ST1-016	FORMING WEEP HOLES ON MASONRY CONSTRUCTION (LABOUR ONLY) [SSCM 706.3] :	NO.	512.50
ST1-017	FORMONG WEEP HOLES USING P.V.C PIPES OF INT. DIA. NOT LESS THAN 100 MM. COMPLETE WITH DRIPLEGE AND SURROUND FINISH SMOOTH :	M	1,727.90
ST1-018	SHORING WITH 37.5 MM THICK CLASS II TIMBER PLANKS UP TO 3 M DEPTH :	SQ.M.	1,462.15
ST1-019	SUPPLYING & FIXING CLASS II TIMBER STRUTS ETC. FOR SHORING UP 3 M DEPTH :	CU.DEC I M	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
ST1-021	LIFTING SOIL FOR EVERY 1.5M BEYOND THE INITIAL 1.5M :	CU.M. / LIFT	796.82
ST1-022	LIFTING WEDGE STONES EVERY 1.5 M BEYOND THE INITIAL 1.5 M :	CU.M. / LIFT	2,390.46
ST1-023	LIFTING RUBBLE OR CONCRETE 1.5 M BEYOND THE INITIAL 1.5 M :	CU.M. / LIFT	1,195.23
ST1-024	LOWERING WEDGED STONES EVERY 1.5 M BEYOND THE INITIAL 1.5 M :	CU.M./ LOWER	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
ST1-026	RENDERING 12.5 MM THICK IN CEMENT SAND MOTAR 1:2 MIX (ROUGH):	SQ.M.	1,103.72
ST1-027	RENDERING 12.5 MM THICK IN CEMENT SAND MOTAR 1:2 MIX (SMOOTH FINISH):	SQ.M.	1,298.43
ST1-028	RENDERING 19 MM THICK IN CEMENT SAND MOTAR 1:2 MIX (ROUGH):	SQ.M.	1,564.91
ST1-029	RENDERING 19 MM THICK IN CEMENT SAND MOTAR 1:2 MIX (SMOOTH FINISH):	SQ.M.	1,759.55

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
ST1-030	RENDERING 12.5 MM THICK IN CEMENT SAND MOTAR 1:3 MIX (ROUGH):	SQ.M.	1,039.98
ST1-031	RENDERING 12.5 MM THICK IN CEMENT SAND MOTAR 1:3 MIX (SMOOTH FINISH):	SQ.M.	1,253.36
ST1-032	RENDERING 19 MM THICK IN CEMENT SAND MOTAR 1:3 MIX (ROUGH):	SQ.M.	1,454.23
ST1-033	RENDERING 19 MM THICK IN CEMENT SAND MOTAR 1:2 MIX (SMOOTH FINISH):	SQ.M.	1,669.52
ST1-034	GRADE 10 1:4:8 (50MM) (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) (MANUAL) [SSCM 1001.4] :	CU.M.	21,591.00
ST1-035	GRADE 10 1:4:8 (50MM) (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) (USING CONCRETE MIXER) [SSCM 1001.8-1001.9] :	CU.M.	21,736.15
ST1-036	GRADE 10 1:4:8 (50MM) WITH 20% PLUMS (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) (MANUAL)	CU.M.	20,306.62
ST1-037	GRADE 10 (50MM) WITH 20% PLUMS (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) : (USING CONCRETE MIXER)	CU.M.	19,672.75
* NOTE :	WHEN HAND BROKEN AGGREGATE (50 MM OR 37.5 MM) ARE USED, INPLACE OF CRUSHER RUN AGGREGATE, ON APPROVAL BY PD/CE S.S.R.R TO BE PREPARED BASED ON THE SAME NORMS.		
ST1-038	GRADE 15 (37.5 MM) WITH 20% PLUMS (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) (MANUAL)	CU.M.	21,528.17
ST1-039	GRADE 15 (37.5 MM) WITH 20% PLUMS (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) :(USING CONCRETE MIXER)	CU.M.	20,870.99
ST1-040	GRADE 15 (37.5 MM) (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) [SSCM 1001.4] : (MANUAL)	CU.M.	24,694.53

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
ST1-041	GRADE 15 (37.5 MM) (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) : (USING CONCRETE MIXER)	CU.M.	24,046.93
ST1-042	GRADE 15 (19 MM) (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING): (MANUAL)	CU.M.	24,688.90
ST1-043	GRADE 15 (19 MM) (VOLUME BATCHING) USING CRISHED AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) : (USING CONCRETE MIXER)	CU.M.	23,893.31
ST1-044	GRADE 20 (37.5 MM) (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) : (MANUAL)	CU.M.	27,136.93
ST1-045	GRADE 20 (37.5 MM) (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) : (USING CONCRETE MIXER)	CU.M.	26,870.27
ST1-046	GRADE 20 (19 MM) (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) : (MANUAL)	CU.M.	26,924.32
ST1-047	GRADE 20 (19 MM) (VOLUME BATCHING) USING CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) : (USING CONCRETE MIXER)	CU.M.	26,636.46
ST1-048	MIXING & LAYING USING CONCRETE MIXER (W/BATCHING), CEMENT CONCRETE FOR GRADE 25(19MM) USING CRISHER RUN AGGREGATE IN FOUNDATIONS AND FLOORS. (EXCL. TRANSPORT OF AGGREGATE & PILING) : *	CU.M.	28,246.46
	* SEE GENERAL NOTES : CLAUSE 33.7		
ST1-048A	MIXING & LAYING USING CONCRETE MIXER (W/BATCHING), CEMENT CONCRETE FOR GRADE 25 (70% 37.5+30%19) USING CRISHER RUN AGGREGATES. (EXCL. TRANSPORT OF AGGREGATE & PILING) : *	CU.M.	26,348.29
	<i>* SEE GENERAL NOTES : CLAUSE 33.7</i>		
ST1-049	MIXING & LAYING USING CONCRETE MIXER (W/BATCHING), CEMENT CONCRETE FOR GRADE 30(19MM), WIYH CRISHER RUN AGGREGATE. (EXCL. TRANSPORT OF AGGREGATE & PILING) : *	CU.M.	31,678.40
	<i>* SEE GENERAL NOTES : CLAUSE 33.7</i>		

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
ST1-050	MIXING & LAYING USING CONCRETE MIXER (W/BATCHING), CEMENT CONCRETE FOR GRADE 40(19MM), WITH CRISHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) : *	CU.M.	35,080.54
	* SEE GENERAL NOTES : CLAUSE 33.7		
ST1-051	MIXING & LAYING CEMENT CONCRETE BY HAND :	CU.M.	6,735.65
ST1-052	MIXING & LAYING CEMENT CONCRETE BY POWER DRIVEN CONCRETE MIXER V/BATCHING :	CU.M.	6,095.59
ST1-053	CURING OF CONCRETE DECKS, SLABS, BEAMS, WALLS ETC. [SSCM 1011.11] :	SQ.M. / DAY	75.44
ST1-054	FABRICATE & LAY M.S. BARS AS REINFORCEMENT (INCL. TRANSPORT) :	KG	456.74
ST1-055	FABRICATE & LAY TOR STEEL AS REINFORCEMENT (INCL. TRANSPORT) :	KG	456.74
ST1-056	CUTING & LAYING REINFORCEMENT FABRIC (EXCLUDING COST OF REINFORCEMENT FABRIC) :	SQ.M.	296.28
ST1-057	SUPPLYING & FIXING 25 MM THICK PLANKS OF CLASS II TIMBER AS SHUTTERING, INCLUDING REMOVING [SSCM 1008.3 (b)] :	SQ.M.	1,830.82
ST1-058	SUPPLYING & FIXING CLASS II TIMBER BEARERS, JOISTS, ETC. INCLUDING DISMANTLING IN SHUTTERING [SSCM 1008.3 (a)] :	CU.DEC I M	85.79
ST1-059	100 - 150 MM DIA. ROUND JUNGLE TIMBER SUPPLIED & FIXED AS PROPS. :	M	131.19
ST1-060	150 - 200 MM DIA. ROUND JUNGLE TIMBER SUPPLIED & FIXED AS PROPS. :	M	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.	4,259.06
	CONSIDER A BEAM SECTION 300X450 MM AND 6100 MM LONG.		
ST1-062	FORMWORK SMOOTH FINISH WITH CLASS II TIMBER FOR BRIDGE COLUMN SHAFTS INCLUDING DISMANTLING. [SSCM 1008.3(b)] :	SQ.M.	3,885.42
	CONSIDER A COLUMN SECTION 225X225 MM AND 1200 MM HIGH.		

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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. : CONSIDER 2 NO. PANNELS OF 1M X 1M	SQ.M.	3,880.33
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.	1,944.71
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.	2,628.02
ST1-066	LAYING & JOINTING 152 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C) - 707.4] :	M	4,842.47
ST1-067	LAYING & JOINTING 229 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C) - 707.4] :	M	5,889.00
ST1-068	LAYING & JOINTING 305 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C) - 707.4] :	M	7,089.74
ST1-069	LAYING & JOINTING 457 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C) - 707.4] :	M	8,250.94
ST1-070	LAYING & JOINTING 610 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C) - 707.4] :	M	13,560.35
ST1-071	LAYING & JOINTING 915 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C) - 707.4] :	M	25,459.61
ST1-072	LAYING & JOINTING 1220 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C) - 707.4] :	M	46,137.47
ST1-073	LAYING & JOINTING 152 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS :	M	935.51
ST1-074	LAYING & JOINTING 229 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS :	M	998.29
ST1-075	LAYING & JOINTING 305 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS :	M	1,078.81
ST1-076	LAYING & JOINTING 610 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS :	M	2,097.51
ST1-077	LAYING & JOINTING 915 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS :	M	3,601.69

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
ST1-078	LAYING & JOINTING 1220 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS :	M	5,153.86
ST1-079	FIXING NEW BRIDE PLANKS RUNNERS AND STACKING OLD PLANKS (AVAILABLE) [SSCM 1402.2(a)] :	NO.	1,264.17
ST1-080	REMOVING & RE-SETTING OLD BRIDE PLANKS :	NO.	790.10
ST1-081	SUPPLYING & FIXING NEW BRIDE PLANKS OF CLASS I TIMBER :	CU.DEC I M	304.73
ST1-082	SUPPLYING & FIXING 31 MM THICK DECK PLANKS OF CLASS I TIMBER :	SQ.M.	11,101.59
ST1-083	FIXING NEW CHEQUERED OR M.S. PLATES ON TIMBER - DECKED BRIDGE. [SSCM 1402.2(d)] :	M	1,865.16
ST1-084	REMOVING & REFIXING NEW CHEQUERED M.S. PLATES ON TIMBER - DECKED BRIDGE. :	M	2,486.89
ST1-085	TIGHTENING BOLTS & NUTS OF CHEQUERED OR M.S. PLATES :	M	436.89
ST1-086	REMOVING & REFIXING 'U' CLIPS. [SSCM 1402.2(b)] :	NO.	266.50
ST1-087	CLEANING, WIRE BRUSHING & PAINTING STEEL WORK, ONE COAT ENAMEL PAINT. :	SQ.M.	427.14
ST1-088	CLEANING, WIRE BRUSHING & APPLYING TAR ON STEEL WORK , ONE COAT :	SQ.M.	266.62
ST1-089	CLEANING WITH COTTON WASTE & PAINTING STEEL WORK WITH ENAMEL PAINT, ONE COAT. :	SQ.M.	286.40
ST1-090	CHIPPING TO BARE METAL ETC. & PAINTING WITH ANTICORROSIVE PAINT, ONE COAT. :	SQ.M.	1,203.98
ST1-091	PAINTING WITH ONE COAT OF ENAMEL PAINT AFTER CLEANING, DERUSTING & APPLICATION OF ONE COAT ANTICORROSIVE PAINT.[SSCM 1401.3(C)] :	SQ.M.	947.05
ST1-092	PAINTING WITH TWO COAT OF ENAMEL PAINT AFTER CLEANING, DERUSTING & APPLICATION OF ONE COAT ANTICORROSIVE PAINT. :	SQ.M.	1,196.29
ST1-093	OILING STEEL CABLES ON SUSPENSION BRIDGES [SSCM 1405.3] :	SQ.M.	1,612.36

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
ST1-094	CLEANING BOOMS OF STEEL BRIDGES INCLUDING SCAFFOLDING WHERE NECESSARY [SSCM 1405.3] :	M	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.	4,198.76
ST1-096	DEMOLISHING REINFORCED CONCRETE AND DEBRIS CLEARED :	CU.M.	5,901.06
ST1-097	DEMOLISHING UNREINFORCED CONCRETE IN VERY HEAVY STRUCTURES BUILD UP OF GRADE 30 ABOVE CONCRETE IN WORK SUCH AS BRIDGE BEAMS & DECK SLABS, INCLUDING COLLECTING & REMOVING :	CU.M.	18,728.42
ST1-098	SUPPLYING & FIXING M.S. DOWELS, SPLICED AND DOVE TAILED WITH WEDGE AT ONE END, 16 MM DIA AND 1 MM LONG, BORING HOLES TO 0.3 M DEPTH IN FIXING :	NO.	1,091.83
ST1-099	SUPPLYING & FIXING M.S. DOWELS, SPLICED AND DOVE TAILED WITH WEDGE AT ONE END, 20 MM DIA AND 1 MM LONG, BORING HOLES TO 0.3 M DEPTH IN FIXING :	NO.	1,428.66
ST1-100	SUPPLYING & FIXING M.S. DOWELS, SPLICED AND DOVE TAILED WITH WEDGE AT ONE END, 25 MM DIA AND 1 MM LONG, BORING HOLES TO 0.3 M DEPTH IN FIXING :	NO.	1,987.46
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 AVE. 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	3,633.68
ST1-102	LAY STANDARD PRECAST BRIDGE KERBS (TYPE DRAWING NO. T/B/106-REV 1 OF RDA) (COST OF PRECAST KERBS INCLUDING TRANSPORT TO BE PAID SEPARATELY) :	LM	707.50
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	418.96

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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.	2,517.57
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.	1,507.50
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.) [TYPE DRAWING NO. T/B/102/B] :	LM	2,098.25
	* QUANTITY OF AGGREGATE REQUIRED FOR CONCRETING IN 1 M LENGTH IS EQUAL TO : 0.017 CU.M.		
ST1-107	CONSRUCTION OF R.C.C. GRADE 25(19 MM) END PILLASTER, TYPE I. (AGGR. TRANSPORT AND IRON PILING TO BE PAID SEPARATELY) [TYPE DRAWING NO. T/B/106-REV 1] :	NO.	73,404.07
	* AGGREGATE QUANTITIES REQUIRED :	- 0.08 CUM	
		- 0.95 CUM	
ST1-108	CONSRUCTION OF R.C.C. GRADE 25(19 MM) END PILLASTER, TYPE II. (AGGR. TRANSPORT AND IRON PILING TO BE PAID SEPARATELY) [TYPE DRAWING NO. T/B/106-REV 1] :	NO.	81,695.20
	* AGGREGATE QUANTITIES REQUIRED :	- 0.09 CUM	
		- 1.16 CUM	
ST1-109	CONSRUCTION OF R.C.C. GRADE 25(19 MM) END PILLASTER, TYPE III. (AGGR. TRANSPORT AND BUILTUP RUBBLE FOUNDATION TO BE PAID SEPARATELY) [TYPE DRAWING NO. T/B/106-REV 1] :	NO.	47,401.45
	* AGGREGATE QUANTITIES REQUIRED :	- 0.70 CUM	
ST1-110	CONSRUCTION OF R.C.C. GRADE 25(19 MM) END PILLASTER, TYPE IV. (AGGR. TRANSPORT TO BE SEPARATELY) [TYPE DRAWING NO. T/B/106-REV 1] :	NO.	50,978.56
	* AGGREGATE QUANTITIES REQUIRED :	- 0.70 CUM	

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
ST1-111	LAYING OF GRADE 20 CONCRETE PRECAST PIN KERBS IN GRADE 20(19) CONCRETE FOUNDATION AS ENDING : (AGGREGATE TRANSPORT TO BE PAID SEPARATELY) :	LM	1,232.12
	* 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 TOUGNE & GROOVED PLANKS WITH 50X50 MM STRUTS OF CLASS I TIMBER IN PANELS AS SMOOTH SHUTTERING FOR CONCRETE DRAINS :	SQ.M.	2,117.02
ST1-113	SUPPLY AND PACKING 50 - 200 MM DRY STONE LINING BEHIND ABUTMENTS AND WING WALLS : (AGGREGARTE TRANSPORT TO PAY SEPARATELY) :	CU.M.	7,519.03
ST1-114	LAYING GEOTEXILE ON PREPARED SURFACE SUPPLY AND TRANSPORT TO PAY SEPARATELY :	SQ.M.	80.60
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.	11,503.19
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.	12,098.78
ST1-117 (NEW)	CONSTRUCTION OF KERB INLET AS PER DRAWING TYPE - K1/T1 WITH COVER SLABS, AGGREGATE TRANSPORT TO PAY SEPARATELY:	NO.	18,253.56
NOTE :	EARTH EXCAVATION TO CONSIDER BY ENGINEER AS PER SITE CONDITION AND ADD SEPARATELY IF REQUIRED		
	<u>ITEMS RESERVED FOR BRIDGE WORKS ONLY</u>		
	<u>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</u>		
ST1-118 (NEW)	ADDITIONAL LABOUR FOR POURING, COMPACTING AND LEVELLING CONCRETE IN SCREED UNDER FOUNDATION SLAB :	CU.M.	1,141.59

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
ST1-119 (NEW)	ADDITIONAL LABOUR FOR POURING & COMPACTING CONCRETE IN ABUTMENT, WINGWALLS, CAPPING BEAMS INCLUDING SCREED OF BRIDGE DECKS. :	CU.M.	352.94
ST1-120 (NEW)	ADDITIONAL LABOUR FOR POURING, COMPACTING AND LEVELLING INFILER CONCRETE BETWEEN BRIDGE BEAMS INCLUDING SCREED OF BRIDGE DECKS. :	CU.M.	1,716.00
ST1-121 (NEW)	LAYING READY MIXED GRADE CONCRETE INCLUDING VIBRATION.* (SUPPLY OF CONCRETE TO BE PAID SEPARATELY) :	CU.M.	2,476.76
	<i>* Additional labour to be considered depending on the location of concretion.</i>		
ST1-122 (NEW)	SUPPLYING AND LAYING APPROVED HARD RUBBER BEARING PADS 75MM X 12MM OVER CAPPING BEAMS AND UNDER THE APPROACH SLABS :	M	2,830.70
ST1-123 (NEW)	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	205.46
ST1-124 (NEW)	230 MM DIA. PLYTHENE DISPLACES SUPPLIED AND FILLED WITH SAW DUST OR SIMILAR LIGHT MATERIAL IN DECK. TRANSPORT OF SAW DUST TO BE PAY SEPARATELY :	M	126.30
ST1-125 (NEW)	325 MM DIA. PLYTHENE DISPLACES SUPPLIED AND FILLED WITH SAW DUST OR SIMILAR LIGHT MATERIAL IN DECK. TRANSPORT OF SAW DUST TO BE PAY SEPARATELY :	M	190.81
ST1-126 (NEW)	PCC BEAMS (10.55 TO 13.5M) LAUNCHED INTO POSITION :	M	17,442.23
ST1-127 (NEW)	M.S. ANGLE IRON AND HARD RUBBER EXPANSION JOINTS AS PER DRAWING NO. T/B/107 REV.1 :	M	13,739.98

SECTION XI
KILOMETRE POSTS AND GUARD STONES

RF1-001	WHITE WASHING, TWO COATS TO GUIDE/GUARD STONE :	NO.	90.17
RF1-002	WHITE WASHING, TWO COATS K.M.STONES INC. NUMBERING & TAR SKIRTING :	NO.	962.26

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
RF1-003	PAINTING WHITE BACK GROUND ON PARAPETS ETC. & STENCILLING NOS. :	NO.	390.38
RF1-004	FIXING GUARD STONES IN ANY SOIL :	NO.	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.	9,045.04
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.	6,007.19
RF1-007	FIXING STANDARD TYPE K.M. STONE IN ANY SOIL :	NO.	2,087.50
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.	1,269.66
RF1-009	CASTING STANDARD TYPR GUARD STONES IN CONCRETE [1:2:4(19 MM) & CEMENT 282.5 KG/CU.M :	NO.	3,112.66
RF1-009A	CASTING STANDARD TYPR GUARD STONES IN CONCRETE G25(19) AS PER DRAWING NO. T/B/100-REV 1, FOR BRIDGES & CULVERTS :	NO.	4,718.28
RF1-010	ROUTE NUMBERING WITH REFLECTIVE PAINT ON 2 SIDES	NO.	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.	3,357.88
* NOTE :	19 MM AGGREGATE PER BOUNDARY MARKER	CU.M	

SECTION XII

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 & TRAFIC SIGN BOARDS ETC. FIXED IN CONCRETE [1:3:6(35.7 MM) AND CEMENT 219 KG/CU.M], (EXCLUDING TRANSPORT OF AGGREGATE) :	NO.	2,262.36
RS1-002	CLEANING WHITE WASHING 2 COAT TOWN NAME BOARDS (INC. TAR SKIRT) :	NO.	500.60

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
RS1-003	CLEANING, PAINTING ONE COAT & ERLETTERING ETC.TOWN TRAFIC SIGN BOARDS INC. PAINT POST IN B/W :	NO.	3,011.50
RS1-004	CLEANING AND PAINTING ONE COAT ON NOTICE BOARD:	SQ.M.	503.70
RS1-005	LETTERING & NUMBERING BELOW 50 MM :	NO.	68.65
RS1-006	LETTERING & NUMBERING 50 MM - 75 MM	NO.	82.38
RS1-007	LETTERING & NUMBERING 75 MM - 150 MM :	NO.	102.97
RS1-008	LETTERING & NUMBERING 150 MM - 225 MM :	NO.	137.29
RS1-009	PAINTING 2 COATS CONTINUOUS CENTRE LINE, 100 MM WIDE WITH ENAMEL PAINT :	M	198.25
RS1-010	PAINTING 1 COAT CONTINUOUS CENTRE LINE, 100 MM WIDE WITH ROAD MARKING PAINT (WHITE) :	M	214.23
RS1-0011	PAINTING 2 COATS BROKEN CENTRE LINE, 100 MM WIDE WITH ENAMEL PAINT :	M	180.00
RS1-012	PAINTING 1 COAT BROKEN CENTRE LINE, WITHOUT REFELECTIVE STUDS), 100 MM WIDE, AT 3 METRE INTERVALS WITH ROAD MARKING PAINT (WHITE) :	M	191.19
RS1-013	BARRICADING WITH EMPTY (HOT TAR) BARRELS INCLUDING WHITE WASHING, TRANSPORTING AND COST OF BARRELS :	NO.	550.07
RS1-014	REVETTMET TO BANKS ETC. WITH EMPTY BARRELS IN HORIZONTAL TIERS WITH VERTICAL BATTER (1:8), INCLUDING TRANSPORT OF BARRELS :	NO.	836.47
RS1-015 (AMENDED)	ROAD MARKING CONTINUOUS CENTRE LINE 100 MM WIDTH, USING THERMOPLASTIC PAINT(WHITE), INCLUSIVE BARRICADING :	SQ.M.	360.69
	(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 (AMENDED)	ROAD MARKING, STANDARD PEDESTRIAN CROSSING, USING THERMOPLASTIC PAINT(WHITE), INCLUSIVE BARRICADING :	M	790.87
	(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.		

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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 BLOCKS TRANSPORT) (TRANSPORT SCHEDULED TO MAIN TOWN OF EACH DISTRICT)	SQ.M	4,659.17
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	4,874.79
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 SCHEDULED TO MAIN TOWN OF EACH DISTRICT)	SQ.M	4,659.17

SECTION XIII
MISCELLANEOUS

MS1-001	PREPARING, STOCK PILING PREMIX USING PEN. GRADE BITUMEN (EXCL. TRANSPORT OF AGGREGATE) (SITE MADE) : (EXCLUDING COST OF BITUMEN) :	CU.M.	16,232.77
MS1-002	PATCHING SHALLOW HOLES, DEPTH LESS THAN 20MM USING HOT 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.	233.94
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.	230.39
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.	230.39

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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 LTR/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.	1,646.39
MS1-006	PATCHING POT HOLES USING PLANT MADE PREMIX BOUND INCLUDING SEALING THE PATCHING WITH EMULSION (CRS-1) PAINTING @ 7.3 LTR/M.TON, COVER WITH SAND (TRANSPORT OF PREMIX PAID SEPARATELY):(EXCLUDING COST OF EMULSION) :	M.T.	5,383.33
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 1 CU.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.	1,348.08
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 DOWN GRADED AGGREGATE INCL. PREPARATION OF SURFACE, TACK COAT WITH 30% CUT BACK BITUMEN AT .75 LTR/SQ.M, TRIMMING SIDES, LAYING PREMIX, TAMPING ETC. COMPLETE (RATE INCLUSIVE OF PREMIX MADE AT SITE AND TACK COAT) (EXCL. TRANSPORT OF AGGREGATE & BITUMEN) :(EXCLUDING COST OF BITUMEN) :	SQ.M.	965.09
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

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
MS1-010	PATCHING RUTS AND DEPRESSIONS UPTO 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 LTR/SQ.M, (EXCL. TRANSPORT OF AGGREGATE) : (EXCLUDING COST OF BITUMEN) :	SQ.M.	1,423.85
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 LTR/SQ.M, (COLD MIX TRANSPORT WILL BE PAIDSEPARATELY); (EXCLUDING COST OF BITUMEN) :	SQ.M.	583.54
MS1-012	PATCHING RUTS AND DEPRESSIONSDEEPER THAN 75 MM THE SURFACE AND EDGE PREPARED AS PER SPECIFICATIONS TACK COAT WITH 30% CUT BACK BITUMEN AT .75 LTR/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.	1,381.32
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 .75 LTR/SQ.M, 50 MM 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.	1,035.17
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 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.	1,201.86

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
MS1-015M	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 LTR/CU.M OF 19 MM AND DOWN GAUGE AGGREGATE OVER A TACK COAT USING WITH 30% CUT BACK BITUMEN AT .75 LTR/SQ.M, LAID OVER 50 MM 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.	1,752.02
MS1-016	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 LTR/CU.M OF 19 MM AND DOWN GAUGE AGGREGATE OVER A TACK COAT USING WITH 30% CUT BACK BITUMEN AT .75 LTR/SQ.M, LAID OVER 50 MM 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.	2,088.64
MS1-017	PATCHING SEALING WITH EMULSION PAINTING THE SURFACE BY SPRAY OF CRS-1 AT THE RATE OF 0.75 LTR/SQ.M SQUEEGING THE EMULSION AND SPREADING THE BLOTTON MATERIAL (SAND) AT THE RATE OF 1 CU.M/125 SQ.M : (EXCLUDING COST OF EMULSION) :	SQ.M.	95.54
MS1-018	PATCHING SEALING WITH HOT BITUMEN PAINTING THE SURFACE BY USING 0.75 LTR/SQ.M SQUEEGING THE BITUMEN AND SPREADING THE BLOTTON MATERIAL (SAND) AT THE RATE OF 1 CU.M/125 SQ.M (TRANSPORT OF BITUMEN PAID SEPARATELY) : (EXCLUDING COST OF BITUMEN) :	SQ.M.	97.93
MS1-019	PATCH SEALING OF PITTED SURFACE USING HOT SAND BITUMEN MIX 104 LTR/CU.M OF SAND SPEAD AND HAND TAMPED INCLUDING BRUSHING AND CLEANING THE SURFACE BEFORE APPLICATION (EXCLUDING TRANSPORT OF BITUMEN) : (EXCLUDING COST OF BITUMEN) :	SQ.M.	250.76
MS1-020	PATCH SEALING OF PITTED SURFACE WITH A EMULSION SAND SLURRY USING CRS 1 OR 2 AT THE RATE OF 136.5 LTR/CU.M OF SAND MIX PROPERLY LAID, LEVELLED & SQUEEGED INCLUDING BRUSHING AND CLEANING THE SURFACE BEFORE APPLICATION : (EXCLUDING COST OF EMULSION) :	SQ.M.	234.64

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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
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
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
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
MS1-025	REPAIRS TO DAMAGE OF SHOULDERS VERGES AND EMBANKMENTS SLOPES INCLUDING MAKING GOOD DEPRESSIONS, RUTS, HOLES AND ERROSION 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
MS1-026	REGRAIDING AND REGRAVELLING OF SHOULDERS WITH GRAVEL OF APPROVED QUALITY, DULY COMPACTED WITH ROLLER (8-10 TONS) AS DIRECTED FOR REPAIRING HIGH SIDES CAUSED BY HEAVYINGS DEPOSITS AND CONSTRUCTION DEBRIS, TO REQUIRED LEVELS BY USING A GRADER (120-140 HP) (GRAVEL BE PAID FOR SEPARATELY) [SCM 1201.3(b)] :	CU.M.	501.17
MS1-027	REGRAIDING AND REGRAVELLING OF SHOULDERS WITH GRAVEL OF APPROVED QUALITY, DULY COMPACTED WITH ROLLER (8-10 TONS) AS DIRECTED FOR REPAIRING HIGH SIDES CAUSED BY HEAVYINGS DEPOSITS AND CONSTRUCTION DEBRIS, TO REQUIRED LEVELS BY MANUALLY ((GRAVEL (LOOSE VOLUME) PAID SEPARATELY) [SCM 1201.3(b)] :	CU.M.	929.65

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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) [SCM 1204.3] :	SQ.M.	3,305.79
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
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
MS1-031	WEEDING MASONRY CULVERTS SMALL BRIDGES AND RETAINING WALLS [SSCM 1303.3] :	NO.	345.75
MS1-032	MASONRY RANDOM RUBBLE WITH BOULDERS INCLUDING COLLECT [SSCM 1006.3(b)] :	CU.M.	1,844.12
MS1-033	FIXING CATS EYES IN TAR MACADAM INCLUDING BREAKING ROAD SURFACE, BARRICADE ETC. [SSCM 810.3(C)] :	NO.	511.88
MS1-034	REDUCING HIGH SIDES IN ORDINARY SOIL [SSCM 301.3/1201.3(c)] :	CU.M.	849.82
MS1-035	REDUCING HIGH SIDES IN MEDIUM SOIL :	CU.M.	1,248.23
MS1-036	REDUCING HIGH SIDES IN HARD SOIL :	CU.M.	1,646.64
MS1-037	REDUCING HIGH SIDES IN SOFT ROCK :	CU.M.	2,045.05
MS1-038	REDUCING HIGH SIDES IN ROCK REQUIRING BLASTING :	CU.M.	4,824.98
MS1-039	WHITE WASHING 1 COAT TO PARAPETS OF BRIDGES AND CULVERTS. [SSCM 1403.3(e)] :	SQ.M.	61.93
MS1-040	WHITE WASHING 2 COATS TO PARAPETS OF BRIDGES AND CULVERTS :	SQ.M.	103.48
MS1-041	WHITE WASHING 1 COAT TO PARAPETS OF BRIDGES AND CULVERTS AFTER CLEANING ATTENDING TO MINOR REPAIRS :	SQ.M.	123.27

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
MS1-042	WHITE WASHING 2 COATS TO PARAPETS OF BRIDGES AND CULVERTS AFTER CLEANING ATTENDING TO MINOR REPAIRS :	SQ.M.	166.48
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.	366.25
MS1-044	PAINTING WITH ENAMEL 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.	402.58
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.	640.61
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.	601.21
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.	307.05
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.	270.48
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.	290.50
MS1-050	CLEANING & PAINTING 100 MM WIDE STRIPE FOR SKIRTING TO GUARD STONES. [SSCM 1501.3(b)(v)] :	LM	114.85
MS1-051	PAINTING 2 COATS STANDARD PEDESTRIAN CROSSING FOR CARRIAGEWAY. [SSCM 810.2(c)] :	LM	3,298.84
MS1-052	PAINTING 1 COAT STANDARD PEDESTRIAN CROSSING FOR CARRIAGEWAY USING ROAD MARKING PAINT. [SSCM 810.2(c)] :	LM	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

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
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
MS1-055	ROUGHNING EXISTING SMOOTH TARRED METALLED CARRIAGEWAY BY HAND FOR BONDING, COLLECTING DISPOSAL OF ALL LOOSE MATERIALS. [SSCM 403.3(b)] :	SQ.M.	25.35
MS1-056	SUPPLY OF DIESEL FOR MACHINERIES : (EX-FILLING STATION)	LTR	341.00
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.	9,495.14
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) :	M.T.	9,143.25
MS1-059	PAINTING TWO COATS ENAMEL PAINT ON KERBS, AFTER CLEANING AND PERPARING SURFACING. :	SQ.M.	630.84
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.	25,776.50
MS1-061 (NEW)	BREAKING MANUALLY ASPHALT LAYER 2" - 3" THICK ON THE CARRIAGEWAY FOR KERB LAYING :	M	621.41

SECTION XIV

SURVEYING, LEVELLING AND DAYWORKS

SV1-001	SUPPLY OF UNSKILLED LABOUR :	DAY	2,200.00
SV1-002	SUPPLY OF SEMISKILLED LABOUR :	DAY	2,300.00
SV1-003	SUPPLY OF SKILLED 'A' GRADE LABOUR :	DAY	3,000.00
SV1-004	SUPPLY OF SKILLED 'B' GRADE LABOUR :	DAY	2,500.00
SV1-005	CLEARING JUNGLE (LIGHT) TO A WIDTH OF 1.22 M FOR SURVEY WORK :	KM	8,403.73
SV1-006	CLEARING JUNGLE (MEDIUM) TO A WIDTH OF 1.22 M FOR SURVEY WORK :	KM	11,204.97

<u>CODE</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT</u>	<u>AMOUNT</u>
SV1-007	CLEARING JUNGLE (HEAVY) TO A WIDTH OF 1.22 M FOR SURVEY WORK :	KM	16,807.45
SV1-008	SUPPLY OF LABOUR FOR CLEANING AND CUTTING PEGS AND PEGGING :	KM	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
SV1-010	SURVEYING INCLUDING FIXING PICKETS & TAKING ANGLES :	KM	4,392.86
SV1-011	CHANGING TRAVERSE LINES AND TAKING OFF-SETS :	KM	5,857.14

****END*****