

2026 2nd Half

Highway Schedule of Rates

For Puttalam District

Effect from 03rd July 2026

Provincial Road Development

Department

North Western Province

PREFACE

Schedule of Rates for preparation of Engineers Estimates in Road construction works has performed under the preview of the administration of North Western Provincial Council in 2026. The Director of the NWP Road Development Department appointed two competent Committees for preparation of rates and review of rates.

Due considerations were given to the following Documents in the process of preparation of the Rates.

1. National Procurement Agency Guidelines for Procurement of Works
2. Provincial Financial Regulation of the North Western Provincial Council
3. Highway Schedule of Rates issued by the Road Development Authority
4. Standard Specifications for Road Works issued by the ICTAD
5. Condition of Contract for Road Works issued by the ICTAD

These rates were prepared according to standard analysis of HSR and few amended items by NWPRDD according to the work studies and experience related to “C” and “D” class Roads in North Western Province.

Any comments or suggestions on this document are welcome through following e-mail address, prddhead@gmail.com in order to prepare much better document.

The following committee carried out preparation of the Rates.

Supervision to the Rate Preparation Committee

Eng. J.M.T.B. Jayawardhana, Deputy Director- NWP Road Development Department

Rate Preparation Committee

- Chairman : Eng. J.M.T.B. Jayawardhana, Deputy Director- NWP Road Development Department
- Member : Eng. W.T.M.S.M.Wanninayake, Head Quarter Engineer
- Member : Eng. W.M.R.V.Wijepala, Head Quarter Engineer
- Member : Eng. B.C.H. Kulathilaka, Head Quarter Engineer
- Member : Mrs. P.M.S. Wijerathna, Technical Officer (Special Grade)

The rates prepared by the above committee was checked and reviewed by the following rate review committee.

Rate Review Committee

Eng. S.N.Jayasingha - Deputy Chief Secretary (Engineering Service),NWP

Eng. K.M.N.P.Kumarasinghe- Director, NWP Road Development Department

Eng. J.M.T.B. Jayawardhane - Deputy Director,NWP Road Development Department

H.S.R. - 2026 2nd HALF
TABLE OF CONTENTS

	PAGE NO.
PREAMBLE TO THE BILL OF QUANTITIES	a1
PRELIMINERIES	a3
H.S.R. - SCHEDULE OF PRICES	1
LABOUR RATES	1
HIRE CHARGES = AVERAGE	1
MATERIALS : AGGREGATE & RUBBLE:(Ex quarry)	1
PLANT PRODUCTION	2
ASPHALT PRODUCTION	2
SAND	2
GRAVEL	2
BRICKS (DILIVERD TO SITE)	2
BITUMEN	2
READY MIX CONCRETE	2
TIMBER & FIRE WOOD	2
TIMBER ROUND JUNGLE:	2
CEMENT	2
STEEL	2
REINFORCED CONCRETE PIPES	3
BLASTING MATERIALS	3
PAINTS	3
FUEL, OILS & LUBRICANTS	3
MISCELLANEOUS	3
PIECE RATES & ALLOWANCES	4
WATER FOR CONCRETING WITH.	4
WATER FOR COMPACTION :	5
WHITE WASHING:	5
CONCRETE COLLERS FOR HUME PIPES	5
PRECAST CONCRETE PRODUCTS	5
BRIDGE COMPONENTS	5
FENCE POSTS	5
GABION MESH EXCLUDING TRANSPORT	5
GEOTEXTILES EXCLUDING TRANSPORT	5
COST OF TRANSPORT FOR MATERIALS INCLUDING LOADING AND UNLOADING	6
Section I- Transport	7
Section II - Excavation including, unloading & transport within 10 m	9
Section III Aggregate ,Rubble piling & loading	10
Section IV - Gravel work	11
Section V- Rubble paving	11
Section VI -Aggregate & earth compaction.	11
Section VII -Road surface treatment	12
Section VIII -Road side & Drainage system	14
Section IX- Bridges culverts & retaining walls	15
Section X - Kilometre posts and guard stones	19
Section XI - Notice boards & sign boards	19
Section XII-Miscellaneous	20
Section XIII - surveying levelling	25

PREAMBLE TO THE BILL OF QUANTITIES

1. The Bidder is required to visit the site of the proposed work, as it is his responsibility to ascertain the conditions governing such as access to the site, the external working space, storage area, availability of materials, labour and services etc as no extras will be paid on the plea of want of information due to neglect on his part in this regard
2. Materials used shall be the best of it's kind. It shall conform to the relevant Sri Lanka Standard, and where such a standard is not available shall conform to the British Standards or as directed by the engineer
3. General directions and descriptions of work or materials given elsewhere in the bidding Documents are not necessarily repeated in the Bills of Quantities. For the full meaning of each Item, reference should be made to the applicable passages in the bidding Documents.
4. The prices and rates entered by the Contractor in the Bill of Quantities shall be deemed to cover the complete and finished works in the final position as required by the bidding Documents, including, inter alia, all costs and expenses which may be required in and for the construction and maintenance of the works, together with all risks, liabilities, contingencies, insurance, sampling, testing, providing all necessary assistance to the Engineer and in general all obligations imposed or implied by the contract.
5. Without affecting the generality of the foregoing provisions the prices and rates entered by the contractor in the Bills of Quantities shall also include, inter alia, all costs and expenses involved with or arising from the following:
 - i. The provision, storage, transport, handling, use, distribution and maintenance of all materials, plant, equipment, machinery and tools, including all costs, charges, dues demurrage or other outlays involved in carriage and importation.
 - ii. The provision and maintenance of all staff and labour and their payment, accommodation, transport, fares and other requirements.
 - iii. Setting out, including the location, construction and preservation of survey markers, measurement and supervision.
 - iv. The provision, storage, transport, use, handling, distribution and maintenance of all consumable stores fuel, water and electricity including the requirements of the Engineer's Representative and his staff.
 - v. The location, test proving, opening, operation, reinstatement of all quarries and borrow pits, as well as compensation and mining royalties costs associated with quarries and borrow pits or any other land the contractor may require additional to that provided free for the execution of the permanent works.
 - vi. Sampling, the transport of samples, testing, the carrying out of trial sections of earthworks or payment and the checking of all information given by the Engineer.
 - vii. Injury caused to the Works under Construction, Plant, Materials and consumable stores by weather.
 - viii. Repairs to the Works either prior to or during the Period of maintenance.
 - ix. Maintenance work as detailed in the Specifications and the Conditions of Contract and the maintenance of public amenities.

- x. Co-ordination with other Contractors or Authorities carrying out work either in connection with or adjacent to the Works.
 - xi. The supply of manufacturers test certificates.
 - xii. The protection of mains and services, and cost of repairs in case of damage caused by the Contractor.
 - xiii. Pumping and dewatering; the protection of excavation faces.
 - xiv. The provision and maintenance of temporary diversions in order that through traffic flow shall remain unobstructed through the contract period and in general the provision of all temporary works required in connection with the works.
 - xv. Insurance, custom duties, taxes(excluding VAT) levies, first aid, welfare and safety requirements and all other overheads and costs and profit.
- 6 A price or rate shall be entered against each Item in the Bills of Quantities whether quantities are stated or not. Item against which no price or rate is entered shall be deemed to be covered by the other prices or rates entered by the Contractor in the Bill of Quantities. The unit price or rate entered against any Item shall take Precedence over any miscalculation in the total sum against that Item. Where separate items have not been provided in the Bill of Quantities for work shall be deemed to have been included in the other prices and rates.
- 7 The Quantities given in the Bill of Quantities are estimated only and are given to provide a basis for the tender. No guarantee is given for their accuracy and payments to Contractor will be based on the prices and rates quoted in the bills applied to measured quantities for work done. The quantity for each Item of work executed by the Contractor in accordance with the Contract shall be measured net and no allowance will be made for waste, bulking, shrinkage decrease of volume due to compaction or the provision of working space.
- 8 The items in the Bills of Quantities are the general application to the whole of the works at any location on site or any part of the works as indicated in the bid documents or instructed by the Engineer's representative.
- 9 Tenders, which group several items together in the Bill of Quantities under one price, will not be accepted.
- 10 The Units of measurement described in the Bill of Quantities are Metric Units. Abbreviations in the Bill of Quantities are as follows: -

hrs	- Hours
km	- Kilometre
m	- Linear Metre
m ² or sqm	- Square Metre
m ³ or cum	- Cubic Metre
nos.	- Numbers
L.S	- Lump Sum
P.S	- Provisional Sum
nth.	- Month
ltr.	- Litre
kg.	- Kilogramme
mt	- Metric Tonne
mm.	- Millimetre
wk.	- Week

Special Note:

***16% Overheads and profit have been added to the combined rates. But No overheads and profit have been added to the basic rates.**

Guideline for preparing Bill No. 1, Preliminaries

Serial No	Description	Mode Payment Category	Percentage from Estimate	Unit
	Insurance and Securities			
1	Provisional Sum for Providing a Performance Security.	A	0.10	Item
2	Provisional Sum for Providing an Advance Payment Security.	A	0.42	Item
3	Provisional Sum for insurance of Works, Machinery & Equipment, Plant, materials, third party persons & property and Employer's personnel & property at site as per the Contract.	A	0.25	Item
4	Provisional Sum for insurance against accidents and injury to contractor's personnel as per the Contract.	A	0.15	Item
	Engineer's Facilities			
5	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the works, a temporary building for Engineer's office in conformity with the plans provided for Engineer's requirements, including necessary furniture and fittings, furnishing, sanitary facilities and other facilities	C	0.40	Item
6	Allow lump sum for providing telephone and facsimile facilities, electricity and water services for the Engineer's site office for their use in connection with the works.	D	0.25	Item
7	Allow lump sum for maintenance, rental, consumption charges etc. telephone and facsimile facilities, electricity and water services for the Engineer's site office for their use in connection with the works.	E	0.25	Item
	Contractor's Facilities			
8	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the works, a temporary site office of adequate size including staff rest room and toilets and other facilities for the Contractor's site management staff in accordance with the plans prepared by the contractor and concurred by the Engineer	C	0.50	Item
9	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the works, buildings to be used as workshops and stores for perishable materials. Buildings shall be Contractor accordance with the drawings prepared by the contractor and concurred by the Engineer. the lump sum shall also include for altering, modifying, or dismantling and re-erecting within the site all temporary building/ structures if required.	C	0.60	Item
10	Allow lump sum for constructing, maintaining, dismantling and 1. Worker's rest room, canteen facilities, kitchen Facilities to workmen shall conform to the latest public health and industrial regulations.	C	0.50	Item
11	Allow lump sum for providing telephone and facsimile facilities, electricity and water services for the Contractor's site office for their use in connection with the works.	D	0.40	Item
12	Allow lump sum for maintenance, rental, consumption charges etc. telephone and facsimile facilities, electricity and water services for the site Contractor's office for their use in connection with the works.	E	0.25	Item
13	Allow lump sum for Contractor's transport facilities at site.	E	0.40	Item

Serial No	Description	Mode Payment Category	Percentage from Estimate	Unit
	Construction Management and Supervision			
14	Allow lump sum for employing suitably qualified and experienced Category* Qualifications* Min. ^m Monthly & Experience Monthly* Emoluments Emoluments	E	3.50	Item
15	Allow lump sum for employing technical supervisory staff not Category* Qualifications* Min. ^m Monthly & Experience Monthly* Emoluments Emoluments	E	2.50	Item
	Setting Out			
16	Allow lump sum for employing a licensed land surveyor to define the building site work etc. check levels and carry out such other surveys as May be necessary to establish accurately the placing of forms and pouring of concrete and all other setting out in both vertical and horizontal plane.	F	0.30	
17	Allow lump sum for setting out of works in accordance with drawings and other written information given by the Engineer.	F	0.20	
	Quality, Standards and Progress			
18	Allow lump sum for provision of progress reports including photographic records and other schedules included in the ICTAD publication- Guidelines for Effective Construction Management. (ICTAD/CM/01), relevant to contract administration as directed by the Engineer.	E	0.10	Item
19	Allow lump sum for all cost in connection with preparing samples for testing, making arrangements for testing of materials, good etc, as stipulated in the specification, obtaining test reports and submitting the same to the engineer.	E	0.40	Item
20	Allow lump sum for provision of shop drawings, bar schedules etc. for Engineer's approval.	E	0.20	Item
21	Allow lump sum for provision of 2 sets of (hard copies and soft copies) as- built drawings of all services, for Engineer's approval.	D	0.20	Item

Serial No	Description	Mode Payment Category	Percentage from Estimate	Unit
	Health, Safety and Environment			
22	Allow lump sum for the following services throughout the period a. Employing workmen to clean and maintain all areas to be in good hygienic conditions including toilets, wash areas, kitchen etc. b. Supplying adequate drinking water, water for washing purposes, soap detergent, etc. throughout the period of construction.	E	0.28	Item
23	Allow lump sum for providing all necessary safety measures to workmen at site conforming to the latest industrial safety regulations and as directed by the engineer.	E	0.50	Item
24	Allow lump sum for making adequate provisions against air and noise pollution of surrounding areas. Hoarding and dust screens shall be provided to control dust escaping to surrounding areas.	E	0.20	Item
25	Allow lump sum for maintaining the site in a clean and orderly manner at all times and during the entire contract period. The contractor shall take due care to prevent water stagnation, eliminate mosquito breeding places at the site and this is to be ensured through internal monitoring mechanism.	E	0.10	Item
26	Allow lump sum for demobilization, removal of all rubbish & debris and clearing up site on completion, leaving all in good order and handing over.	G	0.10	Item
	Security and Protection			
27	Allow lump sum for employing an adequate number of security personnel and security systems on full time basis throughout the period of construction, and provide of necessary security lighting and a warning system.	E	0.50	Item
28	Allow lump sum for providing and maintaining necessary fencing, hoarding and gates for safeguarding the works, Materials and plant, as directed by the engineer.	E	0.30	Item
29	Allow lump sum for protection of public and private services at site. The contractor shall take due care to protect, water supply and drainage systems, telephone and overhead/ buried electrical cables etc. whose locations are identified and made available to the bidder at the time of bidding, unless earmarked for demolition, during the execution of the works. the contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith.	E	0.20	Item

Serial No	Description	Mode Payment Category	Percentage from Estimate	Unit
	Services and Facilities			
30	Allow lump sum for supply of water for the works and paying all charges and other expenses in connection with the supply form water mains or any other alternative method of water supply, storage and reticulation.	E	0.30	Item
31	Allow lump sum for supplying temporary electricity for the works including connection, distribution system for the works, internal arrangements and all payments to the authorities for consumption.	E	0.30	Item
32	Allow lump sum for providing hoisting equipment and other plant for the use of the works on site (dry hire).	F	0.50	Item
33	Allow lump sum for providing small machinery and equipment for the use of the works at site.	F	0.05	Item
34	Allow lump sum for erecting and maintaining scaffolding and/or self climbing platforms. Such scaffolding etc. shall be removed on completion and all works disturbed shall be made good.	F	0.40	Item
	Miscellaneous			
35	Allow lump sum for stamp duty in accordance with the prevailing regulations of the Government.	B	0.10	Item
36	Allow lump sum for providing and maintaining a name board to the specifications and / or as directed by the Engineer.	C	0.20	Item
37	Allow lump sum for excavation for trial pits/ trial trenches as specified or as directed by the engineer as for locating services etc.and reinstating the ground and making good disturbed work to the satisfaction of the engineer.	F	0.10	Item

H.S.R. - SCHEDULE OF PRICES

CODE	DESCRIPTION (ALL PRICES ARE EXCLUDING VAT)	UNIT	2026 2 nd half Rate (Rs.)
<u>LABOUR RATES</u>			
RO-001	SKILLED (A) - (SK A) (Welders,Electricians, Carpenters, Masons, etc.)	DAY	4,500.00
RO-002	SKILLED (B) - (SK B)	DAY	4,000.00
RO-003	SEMI SKILLED - (S/SK)	DAY	3,500.00
RO-004	UNSKILLED - (U/SK)	DAY	3,000.00
<u>** HIRE CHARGES = AVERAGE</u>			
RO-101	LORRY (17 TON) - MINIMUM 50 KM	KM	392.45
RO-101A	LORRY (7 TON) - MINIMUM 100 KM	KM	201.84
RO-101B	LORRY (3.5 TON) - MINIMUM 100 KM	KM	156.23
RO-101C	LORRY (3 - 5 TON)	Day	21,000.00
RO-101D	TIPPER (2.0 CUBE) - MINIMUM 100 KM	KM	222.10
RO-102	BACKHOE LOADER (90 HP)	DAY	54,331.60
RO-103	TRACTOR & TRAILER	DAY	14,500.00
RO-104	ROAD ROLLER (8 TON)	DAY	21,875.20
RO-105	LOW BED TRAILER (25 TON) - MINIMUM 50 KM	KM	530.94
RO-106	EXCAVATOR (130 HP)	HOURL	10,855.55
RO-107	MOTOR GRADER (135 HP)	DAY	66,550.40
BO-116	WHEEL LOADER 1.4 CU M.	DAY	44,236.77
RO-109	VIBRATING ROLLER (0.8 TON)	DAY	12,837.60
BO-102	CONCRETE & ASPHALT MIXER (400 LTR)	DAY	10,416.46
BO-104	WATER TANK + 50 MM. PUMP(Less Operator) #	DAY	4,317.05
BO-106	PORKER VIBRATOR (LESS OPERATOR)	DAY	2,511.98
BO-107	PLATE COMPACTOR 90KG (LESS OPERATOR)	DAY	4,945.14
BO-108	VIBRATING RAMMER 60KG (LESS OPERATOR)	DAY	4,826.03
BO-110	VIBRATING ROLLER (SMOOTH10TONS)	DAY	45,341.77
BO-111	SMOOTH ROAD ROLLER (8-10 TONS STATICS)	HOURL	3,210.46
BO-112	PNEUMATIC ROAD ROLLER (8-10 TONS)	HOURL	8,966.49
BO-118	MATERIAL TRANSPORT BY LORRY/TIPPER/DT (EXCEEDING 10 KM DISTANCES).	KM/CU.M.	51.41
BO-119	MATERIAL TRANSPORT BY LORRY/TIPPER/DT (FOR MORE THAN 3KM LESS THAN 10KM DISTANCES).	KM/CU.M.	54.95
BO-118A	MATERIAL TRANSPORT BY HIRED LORRY/TIPPER/DT (EXCEEDING 10 KM DISTANCES).	KM/CU.M.	51.41
BO-120	TRANSPORT OF PREMIX BY DUMPTRUCK	KM/M.TONNE	35.93
BO-122	FARM TRACTOR & BROOM	DAY	14,992.83
BO-128	WATER BOWSER (6000 LTR) - FOR BULK WORKS	DAY	27,364.41
BO-129A	ASPHALT PAVER	HOURL	13,959.66
BO-123	EMULSION SPRAYER (4000 LTR)	DAY	40,404.36
BO-133	WATER PUMP 4"	HOURL	1,500.00
BO-133A	WATER PUMP 2"	HOURL	1,100.00
BO-134	SLUDGE PUMP 4"	HOURL	3,603.14
BO-135	VIBRATING ROLLER (6-7 TONS) TANDEM	HOURL	4,879.18
BO-138	SPRAYER EMULSION (HAND CART)	HOURL	1,627.47
BO-139	ROAD MARKER (GAS HEATED)	HOURL	1,921.58
BO-146	MOBILE CRANE 25 TONS	HOURL	13,672.19

CODE	DESCRIPTION (ALL PRICES ARE EXCLUDING VAT)	UNIT	2026 2 nd half Rate (Rs.)
BO-144	AIR COMPRESSOR 750 CFM	HOURL	13,848.23
BO-146A	MOBILE CRANE 30 TONS	HOURL	17,751.38
BO-150	FARM TRACTOR WITH WATER BOWSER (2000 LTR)	DAY	17,604.28
BO-151	LORRY 17 TON SELF LOADING, WITH 10T CRANE - BOOM TRUCK (WET)	KM	345.86
BO-151 A	LORRY 17 TON SELF LOADING, WITH 10T CRANE - BOOM TRUCK (WET)	HOURL	6,031.98
BO-156	AIR COMPRESSOR 250 CFM	HOURL	8,819.12
BO-157	HAND HELD BREAKER / DEMOLISHER(LESS OPERATOR)	DAY	827.71
BO-154	DOZER (CRAWLER TRACTOR)	HOURL	9,636.66
BO-155	EXCAVATER MOBILE	HOURL	14,021.06
BO-158	ROCK DRILL HAND HELD (LESS DRILL STEEL)	HOURL	828.29
	TRACTOR WITH BUSH CUTTER	HOURL	2,360.00
	GRASS CUTTER / BUSH CUTTER WITH OPERATOR	DAY	7,080.00
	EXCAVATER (30 HP)	DAY	34,739.20
	<u>MATERIALS : AGGREGATE & RUBBLE:(Ex quarry)</u>		
RO-302	6" - 9" (150mm - 22mm) RUBBLE	CUBE	7,500.00
RO-303	4"(100mm) AGGREGATE	CUBE	9,000.00
RO-305	2"(50mm) AGGREGATE	CUBE	9,500.00
	<u>PLANT PRODUCTION</u>		
RO-306	1.5"(38mm) AGGREGATE	CUBE	11,300.00
RO-307	1"(25mm) AGGREGATE	CUBE	11,500.00
RO-308	0.75"18mm) AGGREGATE	CUBE	11,800.00
RO-308A	0.75"18mm) AGGREGATE	CUBE	11,800.00
RO-309	0.25"AGGREGATE	CUBE	10,500.00
RO-312	QUARRY DUST	CUBE	9,500.00
RO-313	1.5" AGGREGATE CRUSHER RUN	CUBE	11,300.00
RO-314	AGGREGATE BASE COURSE (ABC)	CUBE	11,500.00
	<u>ASPHALT PRODUCTION</u>		
RO-320	ASPHALT- BINDER CONCRETE (Without Transport)	M.TON	26,250.00
RO-321	ASPHALT- WEARING CONCRETE (Without Transport)	M.TON	27,000.00
	<u>SAND</u>		
	WASHED SAND FOR ROAD SURFACING APPLICATIONS (INCLUDING LOADING AND TRANSPORT)	CUBE	20,000.00
RO-331	RIVER SAND FOR ROAD SURFACING APPLICATIONS (INCLUDING LOADING AND TRANSPORT)	CUBE	31,500.00
RO-332	RIVER SAND FOR CONCRETE AND MASONRY WORKS (INCLUDING TRANSPORT)	CUBE	31,500.00
	<u>GRAVEL</u>		
RO-334	GRAVEL(INCLUDING LOADING)	CUBE	4,000.00
	<u>BITUMEN</u>		
RO-351	BITUMEN (80/100)	GALLONS	1,513.89
RO-352	EMULSION C. S S. 1	GALLONS	1,321.59
RO-352B	EMULSION C. R S. 1	GALLONS	1,321.59
RO-352A	EMULSION C. R S. 2	GALLONS	1,355.68
RO-356	CUTBACK BITUMEN- MC-30	GALLONS	2,190.91
	<u>READY MIX CONCRETE</u>		
RO-360	READY-MIX CONCRETE G-15 (40) - (INCLU. 15KM TRANSPORT)	CUBE	77,596.80
RO-361	READY-MIX CONCRETE G-20 (20) - (INCLU. 15KM TRANSPORT)	CUBE	79,012.80
RO-362	READY-MIX CONCRETE G-25(20) - (INCLU. 15KM TRANSPORT)	CUBE	80,712.00
	READY-MIX CONCRETE G-30(20) - (INCLU. 15KM TRANSPORT)	CUBE	84,960.00

CODE	DESCRIPTION (ALL PRICES ARE EXCLUDING VAT)	UNIT	2026 2 nd half Rate (Rs.)
<u>TIMBER & FIRE WOOD</u>			
BO-391	TIMBER CLASS 1	CU.FT	5,961.76
BO-392	TIMBER CLASS 2	CU.FT	3,483.00
BO-396	PLYWOOD(MR) FOR FORMWORK - 15 MM THICK	SQ.M	1,647.10
<u>TIMBER ROUND JUNGLE:</u>			
BO-393	4" MINIMUM & 6" AVERAGED DIAMETER	L.FT	37.80
BO-394	6" MINIMUM & 8" AVERAGED DIAMETER	L.FT	38.11
RO-395	FIRE WOOD WITH TRANSPORT	CU.YARD	2,673.11
<u>CEMENT</u>			
RO-401	CEMENT (WITH LOADING, TRANSPORTING & UNLOADING)	CWT.	1,822.03
<u>STEEL</u>			
RO-411	MILD STEEL (WITH TRANSPORT)	CWT.	12,500.00
R0-411A	TOR STEEL (WITH TRANSPORT)	CWT.	12,500.00
B0-431	BINDING WIRES	Kg.	321.75
B0-432	WIRE NAILS, M.S.BOLTS & NUTS	Kg.	298.45
<u>REINFORCED CONCRETE PIPES</u>			
	<u>DIAMETER</u>	<u>LENGTH</u>	
	FEET INCHES	FEET INCHES	
BO-441	0 6	8 0	1 No. 12,600.00
BO-442	0 9	8 0	1 No. 14,200.00
RO-443	1 0	8 0	1 No. 16,600.00
RO-444	1 6	8 0	1 No. 22,100.00
RO-445	2 0	8 0	1 No. 32,300.00
RO-446	3 0	8 0	1 No. 48,800.00
RO-447	4 0	8 0	1 No. 71,000.00
<u>BLASTING MATERIALS (INCLUDING TRANSPORT COST)</u>			
BO-501	BLASTING POWDER	Lb.	632.00
BO-502	FUSE WIRE	L.FT.	21.04
BO-503	STEEL, JUMPER	Lb.	225.77
BO-504	ELECTRIC FUSE	No.	584.30
BO-505	DYNA CORD	L.FT.	96.04
BO-506	GELIGNITE	Lb.	1,326.27
BO-507	AMONIUM NITRATE	Lb.	168.36
BO-508	ORDINARY DETONATOR	NOS	37.50
BO-509	CRACKING POWDER	KG	135.00
<u>PAINTS (INCLUDING TRANSPORT COST)</u>			
BO-531	BITUMIOUS EMULSION PAINT (CRS2)	GALLON	613.64
BO-534	GLUE	Lb.	559.09
BO-537	LIME - BOILED	Kg.	34.95
R0-541	ENAMEL PAINT (WITH TRANSPORT)	GALLON	10,209.45
R0-542	PAINT -ANTI CORROSIVE	GALLON	7,511.55
R0-544	PAINT -EMULSION (WITH TRANSPORT)	GALLON	6,501.82
BO-545	RUST REMOVER	GALLON	12,128.27
R0-546	EMULSION FOR EXTERIOR USE (WEATHER SHIELD) (WITH TRANSPORT)	GALLON	9,728.82
BO-547	ROAD MARKING PAINT (YELLOW)	GALLON	4,387.45
BO-548	ROAD MARKING PAINT (WHITE)	GALLON	4,515.41

CODE	DESCRIPTION (ALL PRICES ARE EXCLUDING VAT)	UNIT	2026 2 nd half Rate (Rs.)
<u>THERMOPLASTIC ROAD MARKING MATERIALS, EXCLUDING TRANSPORT & VAT</u>			
BO-800	THERMO PLASTIC ROAD MARKING MATERIAL (WHITE)	Kg.	231.00
BO-801	THERMO PLASTIC ROAD MARKING MATERIAL (YELLOW)	Kg.	231.00
BO-802	GLASS BEADS	Kg.	231.00
BO-803	CATS EYE (ALUMINIUM ROAD STUD,DOUBLE SIDED)	No	4,845.00
BO-806	ZEBRA BARRICADING TAPE (POLYTHENE)	METRE	31.76
<u>FUEL, OILS & LUBRICANTS</u>			
BO-601	INDUSTRIAL KEROSENE OIL	GALLON	1,972.73
BO-602	MOULD OIL	GALLON	545.45
BO-611	LUBRICANT	GALLON	6,128.59
RO-612	DIESEL	Ltr.	382.00
<u>MISCELLANEOUS</u>			
BO-631	BASKETS	NUMBER	300.00
BO-632	GUNNY BAGS	NUMBER	85.80
BO-633	COTTON WASTE	LBS.	86.20
BO-634	SALT	LBS.	34.09
BO-632A	POLYSACK	NUMBER	62.80
BO-636B	P.V.C. PIPE 110 MM DIA TYPE 400 PE (WITH TRANS.)	METRE	1,408.48
BO-637	P.V.C. PIPE 50 MM DIA TYPE 400 PE (WITH TRANS.)	METRE	554.10
BO-637A	P.V.C. PIPE 25 MM DIA TYPE 1000 PE (WITH TRANS.)	METRE	249.47
BO-637B	P.V.C. PIPE 90 MM DIA TYPE 400 PE (WITH TRANS.)	METRE	1,191.80
BO-637C	P.V.C. PIPE 90 MM DIA TYPE 600 PE (WITH TRANS.)	METRE	1,312.80
BO-637E	P.V.C. PIPE 160 MM DIA TYPE 400 PE (WITH TRANS.)	METRE	3,639.65
BO-637F	P.V.C. PIPE 160 MM DIA TYPE 600 PE (WITH TRANS.)	METRE	4,571.30
BO-637G	P.V.C. PIPE 160 MM DIA TYPE 1000 PE (WITH TRANS.)	METRE	5,577.48
BO-638	HARD RUBBER 12MM THICK X 75 MM WIDE (WITH TRANS)	METRE	2,694.73
BO-639	POLYTHENE 325 MM DIA GAUGE 300 (APPROX.14.0 METERS/KG) (TUBULAR FLAT WIDTH APP. 505 MM, WITH TRANS.)	KG	563.15
BO-639A	POLYTHENE 230 MM DIA GAUGE 300 (APPROX.19.5 METERS/KG) (TUBULAR FLAT WIDTH APP. 355 MM, WITH TRANS.)	KG	563.15
BO-639B	POLYTHENE 150 MM DIA GAUGE 300 (APPROX.28.0 METERS/KG) (TUBULAR FLAT WIDTH APP. 241 MM, WITH TRANS.)	KG	563.15
BO-640	ALLUMINIUM SHEET 24 SWG (WITH TRANSPORT)	SQ.METRE	2,031.45
BO-641	ANGLE IRON 50X50X6 MM (WITH TRANSPORT)	METRE	1,123.85
BO-642	M.S. PLATE 12 MM THICK (WITH TRANSPORT)	SQ.M	22,741.20
BO-646	TRAFFIC CONES	NO.	2,536.00
<u>PIECE RATES & ALLOWANCES</u>			
BO-704	BARRICADING (SMALL WORK ITEM)	ITEM	1,100.00
BO-705	BARRICADING,LIGHTNING SIGNALLING ETC.(300Ft.)	DAY	2,750.00
CEMENT, SAND & WATER FOR			
JOINTING HUME PIPES: [PER JOINT]			
BO-711	6" DIAMETER	JOINT	110.00
BO-712	9" TO 2 FEET IN DIAMETER	JOINT	220.00
BO-713	3 FEET IN DIAMETER	JOINT	440.00
BO-714	4 FEET IN DIAMETER	JOINT	770.00

CODE	DESCRIPTION (ALL PRICES ARE EXCLUDING VAT)	UNIT	2026 2 nd half Rate (Rs.)
BO-715	COIR ROPE (FOR SCAFFOLDING 93 SQ.M.AREA)	ITEM	550.00
BO 716	COIR STRING FOR: CUTTING SIDE DRAINS (PER CUBE)	ITEM	82.50
BO 717	--- DO --- FIXING SCAFFOLDING [PER 93 SQM AREA]	ITEM	440.00
BO 718	--- DO --- MINER REPAIRS OF PARAPETS WITH CEMENT, SAND & WATER (PER 9.29SQ.M)	ITEM	550.00
BO-720	FUEL [FOR LOOSENING ROAD SURFACE IN MANUAL BREAKING 50MM DEPTH X 307 SQM]	ITEM	110.00
BO-723	FUEL, FORGE ECT. [PER 2.83 CU.M BLASTING]	ITEM	220.00
BO-732	LADDERS [PER 93 SQM]	ITEM	550.00
BO-741	PAINT(FOR LETTERING & NUMBERING ITEMS)	ITEM	220.00
BO-746	PEGS [FOR TURFING IN 19 SQM]	ITEM	550.00
BO-751	SAND PAPER & COTT. WASTE PER 9.29 SQM	ITEM	330.00
BO-752	SHARPENING SCARIFIER TYNES [FOR 307 SQM]	ITEM	110.00
BO-761	TIMBER PLANK & BAMBOOS [FOR 93 SQM]	ITEM	1,430.00
BO-762	TIMBER POST, HORIZONTAL ETC. [FOR BARRICADING WORK IN 4LM]	ITEM	2,200.00
	<u>WATER FOR CONCRETING WITH.</u>		
BO-781	ALLOW FOR WATER (FOR MIXING BY MACHINE)	CUBE	155.65
BO-782	ALLOW FOR WATER (FOR MIXING MANUALLY)	CUBE	155.65
	<u>WATER FOR COMPACTION :</u>		
BO-784	ALLOW FOR WATER (GRAVEL COMPACTION)	CUBE	77.83
BO-785	ALLOW FOR WATER (AGGREGATE COMPACTION)	CUBE	108.96
BO-786	ALLOW FOR WATER (MOISTENING ROAD SURFACE)	ITEM	110.00
BO-787	ALLOW FOR WATER SUPPLY (BY BUCKET & COIR ROPE)	ITEM	110.00
BO-788	WATER FOR GENARAL PURPOSE	GALLON	125.00
	<u>WHITE WASHING FOR BARICADING:</u>		
BO-791	WHITE WASHING EMPTY BARRELS (BITUMEN)	NO	250.00
BO-792	WHITE WASHING TIMBER POSTS,HORIZONTALS,ETC(IN 4L.M. BARICADING)	ITEM	93.75
	<u>CONCRETE COLLERS FOR HUME PIPES</u>		
RO-800	6" dia. Coller	No	1,500.00
RO-801	9" dia. Coller	No	1,575.00
RO-802	1' dia. Coller	No	2,450.00
RO-803	1'-6" dia. Coller	No	4,280.00
RO-804	2' dia. Coller	No	4,340.00
RO-805	3' dia. Coller	No	5,580.00
RO-806	4' dia. Coller	No	7,068.00
	<u>PRECAST CONCRETE PRODUCTS</u>		
RO - 820	G25 Concrete paving block (220mm × 110mm × 80mm)(without transport)	No	80.00
RO - 821	G40 Concrete paving block (220mm × 110mm × 80mm)(without transport)	No	95.00

CODE	DESCRIPTION (ALL PRICES ARE EXCLUDING VAT)	UNIT	2026 2 nd half Rate (Rs.)
<u>BRIDGE COMPONENTS</u>			
RO - 830	Hand Rails(new design) (2m Long)	No	5,200.00
RO - 831	Uprights for Handrails(New Design)	No	4,800.00
RO - 832	Coupling Pairs	No	1,600.00
RO - 833	Bridge Krebs (3'-0" Long)	No	4,200.00
RO - 834	Road Krebs (1m Long)	No	2,100.00
RO - 835	Paving Slab (450mmx450mmx50mm)	No	830.00
RO - 836	Paving Slab R/F (450mmx450mmx50mm)	No	1,000.00
RO - 837	Pre-Cast Drains 24" dia(1000mm long)	No	6,800.00
RO - 838	Pre-Cast Drains 12" dia(3' 00" long) (305mmx915mm)	No	3,300.00
<u>GABION MESH EXCLUDING TRANSPORT</u>			
ZINC COATED GABION BOXES 2.7mm			
B0-850	1X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT	PER BOX	7,560.00
B0-851	2X1X0.5M INCLU. COATED TIE(BINDING) WIRE @ 5% OF GABION WEIGHT	PER BOX	9,450.00
B0-852	1.5X1X1M INCLU. COATED TIE (BINDING) WIRE @ 5% OF GABION WEIGHT	PER BOX	9,980.00
B0-853	2X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT	PER BOX	13,450.00
B0-854	3X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT	PER BOX	21,000.00
PVC COATED GABION BOXES 2.7/3.7mm			
B0-850A	1X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT	PER BOX	11,065.00
B0-851A	2X1X0.5M INCLU. COATED TIE(BINDING) WIRE @ 5% OF GABION WEIGHT	PER BOX	13,250.00
B0-852A	1.5X1X1M INCLU. COATED TIE (BINDING) WIRE @ 5% OF GABION WEIGHT	PER BOX	14,000.00
B0-853A	2X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT	PER BOX	18,875.00
B0-854A	3X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT	PER BOX	27,125.00
B0-855A	3X1.5X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT	PER BOX	36,750.00
<u>GEOTEXTILES EXCLUDING TRANSPORT</u>			
	POLYFELT TS 30 (155GSM-1.5MMTHICK)	PER 1 SQ.M	390.00
B0-860A	GEOTEXTILE- KET 11 (1.5MM THICK)	PER 1 SQ.M	137.50
B0-860B	GEOTEXTILE- KET 15 (1.9MM THICK)	PER 1 SQ.M	170.50
B0-860C	GEOTEXTILE- KET 28 (2.9MM THICK)	PER 1 SQ.M	350.00

COST OF TRANSPORT FOR MATERIALS

DISTANCE	BY LORRY	BY TRACTOR
Km	METAL	METAL
	EARTH GRAVEL	EARTH GRAVEL
	PER CUBE	PER CUBE
1	Rs776.00	Rs489.00
2	Rs917.00	Rs614.00
3	Rs1,058.00	Rs739.00
4	Rs1,199.00	Rs864.00
5	Rs1,340.00	Rs989.00
6	Rs1,481.00	Rs1,114.00
7	Rs1,622.00	Rs1,239.00
8	Rs1,763.00	Rs1,364.00
9	Rs1,904.00	Rs1,489.00
10	Rs2,045.00	Rs1,614.00
11	Rs2,186.00	Rs1,739.00
12	Rs2,327.00	Rs1,864.00
13	Rs2,468.00	Rs1,989.00
14	Rs2,609.00	Rs2,114.00
15	Rs2,750.00	Rs2,239.00

Ready mix concrete Transport

Transport will be free withing 15 km from concrete plant.

Additional transport charge of Rs.130.00 per m3 per1 km.

Transport of Asphalt concrete

35.93 M.TON PER KM

Schedule of rates

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
	Section I- Transport			
R1-001	Transport of soils 25m to 100m. by any means (including Loading & unloading)	m ³	981.00	
R1-002	Transport of soils 100m to 0.5Km by any means (excluding Loading)	m ³	674.00	
R1-003	Transport of soils 0.5Km to 1.0Km. by any means (excluding Loading)	m ³	723.00	
R1-004	Transport of each subsequent 1.0Km from 1.0- 8.0Km by any means (excluding loading)	m ³	119.00	
R1-005	Transport of each subsequent 1.0Km beyond 8.0Km by any means (excluding loading)	m ³	83.10	
T1-006	Transport of material in bulk excluding loading (for distance less than or equal 3km)	m ³	191.00	
T1-007	Transport of material in bulk excluding loading (from 3km up to 10km distance)	cu.m/km	63.70	
T1-007A	Transport of material in bulk excluding loading (for distance more than 10km distance)	cu.m/km	59.60	
T1-009	Transport of premix in bulk excluding loading other than at mixing plant	M.Ton/km	41.70	
R1-006	Transport of barrels of bitumen for first 1.0 Km (excluding loading & unloading)	ltr/km	0.29	
R1-007	Transport of barrels of bitumen for each subsequent 1 Km , from 1.0-8.0km, (excluding loading & unloading)	ltr/km	0.15	
R1-008	Transport of barrels of bitumen for each subsequent 1 Km, from 8.0-70Km (excluding loading & unloading)	ltr/km	0.09	
R1-008A	Transport of barrels of bitumen for each 1 Km beyond 70Km (excluding loading & unloading)	ltr/km	0.04	
R1-009	Loading barrels of bitumen including rolling up to 25 m	Barrel	57.40	
R1-010	Unloading barrels of bitumen including rolling & stacking	Barrel	30.20	
R1-011	Transport of Hume pipes 152mm dia. for first 1.0Km (excuding loading & unloading)	m	79.50	
R1-012	Transport of Hume pipes 152mm dia. for each subsequent 1.0km from 1.0- 8Km (excluding loading & unloading)	m	21.00	
R1-013	Transport of Hume pipes 152mm dia. each subsequent 1.0km beyond 8.0Km (excluding loading & unloading)	m	14.40	
R1-014	Transport of Hume pipes 229mm dia. for 1st 1.0Km of transport (excluding loading & unloading)	m	89.40	
R1-015	Transport of Hume pipes 229 mm dia. for each subsequent 1.0km from 1.0- 8Km (excluding loading & unloading)	m	23.60	
R1-016	Transport of Hume pipes 229mm dia. each subsequent 1.0km beyond 8.0Km (excluding loading & unloading)	m	16.20	
R1-017	Transport of Hume pipes 305mm dia. for 1st 1.0Km excluding loading & unloading	m	119.00	
R1-018	Transport of Hume pipes 305 mm dia. For each subsequent 1.0km from 1.0- 8Km (excluding loading & unloading)	m	31.50	
R1-019	Transport of Hume pipes 305mm dia. each subsequent 1.0km Beyond 8.0Km (excluding loading & unloading)	m	21.60	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
R1-020	Transport of Hume pipes 475mm dia. for 1st 1.0Km (excluding loading & unloading)	m	179.00	
R1-021	Transport of Hume pipes 475 mm dia. For each subsequent 1.0km , from 1.0-8.0Km (excluding loading & unloading)	m	47.30	
R1-022	Transport of Hume pipes 475mm dia.each subsequent 1.0km Beyond 8.0Km (excluding loading & unloading)	m	32.40	
R1-023	Transport of Hume pipes 610mm dia. for 1st 1.0Km (excluding loading & unloading)	m	238.00	
R1-024	Transport of Hume pipes 610 mm dia. For each subsequent 1.0km, from 1.0-8.0Km of transport (excluding loading & unloading)	m	63.00	
R1-025	Transport of Hume pipes 610mm dia. For each subsequent 1.0km beyond 8.0Km of transport (excluding loading & unloading)	m	43.20	
R1-026	Transport of Hume pipes 914mm dia. for 1st 1.0Km of transport (excluding loading & unloading)	m	358.00	
R1-027	Transport of Hume pipes 914 mm dia. For each subsequent 1.0km, from 1.0-8.0Km of transport (excluding loading & unloading)	m	94.50	
R1-028	Transport of Hume pipes 914mm dia. For each subsequent 1.0km beyond 8.0Km of transport (excluding loading & unloading)	m	64.80	
R1-029	Transport of Hume pipes 1219mm dia. for 1st 1.0Km of transport (excluding loading & unloading)	m	786.00	
R1-030	Transport of Hume pipes 1219 mm dia. for each subsequent 1.0km, from 1.0-8.0Km of transport (excluding loading & unloading)	m	260.00	
R1-031	Transport of Hume pipes 1219mm dia.for each subsequent 1.0km beyond 8.0Km of transport (excluding loading & unloading)	m	187.00	
R1-032	Loading & unloading 152 mm dia. Hume pipes.	m	71.40	
R1-033	Loading & unloading 229 mm dia. Hume pipes.	m	89.20	
R1-034	Loading & unloading 305 mm dia. Hume pipes.	m	178.00	
R1-035	Loading & unloading 475 mm dia. Hume pipes.	m	297.00	
R1-036	Loading & unloading 610 mm dia. Hume pipes.	m	387.00	
R1-037	Loading & unloading 914 mm dia. Hume pipes.	m	1,427.00	
R1-038	Loading & unloading 1219 mm dia. Hume pipes.	m	2,854.00	
T1-043	Transport of precast kerb stones (All types) for road works, including loading & unloading.	m/km	5.08	
T1-044	Transport of precast kerb stones for bridge works, including loading & unloading.	m/km	7.60	
T1-045	Transport of precast concrete hand rails, uprights & joints for bridge works, including loading & unloading.	m/km	10.50	
T1-046	Transport of precast concrete slabs 450x450x50 mm for foot walks, including loading & unloading.	sq.m/km	15.50	
T1-049	Transport of gabion mesh 4x1x1 m size box	No./km	3.60	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
	Section II- Roadway and foundation / trench manual excavation (less than 200m3)			
	<u>(including loading,unloading and transporting within 25meters distance unless other wise specified)</u>			
R1-051	Excavation in loose soil (dry) (sscm 301.2(IV))	m ³	1,300.00	
R1-052	Excavation in loose soil (wet) in slips (sscm 301.13(0))	m ³	1,615.00	
R1-053	Excavation in ordinary soil [sscm 301.2 (V)] [cutting measurements]	m ³	1,930.00	
R1-054	Excavation in ordinary soil [sscm 301.2 (V)] [vehical measurements]	m ³	1,737.00	
R1-055	Excavation in medium soil [sscm 301.2 (VI)] [cutting measurements]	m ³	2,560.00	
R1-056	Excavation in medium soil [sscm 301.2 (VI)] [vehical measurements]	m ³	2,176.00	
R1-057	Excavation in hard soil [sscm 301.2 (VII)] [cutting measurements]	m ³	3,819.00	
R1-058	Excavation in hard soil [sscm 301.2 (VII)] [vehicle measurements]	m ³	3,246.00	
E1-009	Excavation in unclassified soil [sscm 301.2a (I)] [cutting measurements]	m ³	2,770.00	
E1-010	Excavation in soft rock manually (cutting measurement) [sscm 301.2 (VII)]	m ³	4,137.00	
E1-010A	Excavation in mud/marshy material [cutting measurements] [sscm 301.2 (VII)]	m ³	3,190.00	
E1-011	Excavation pit/trench for foundation in ordinary soil not exceeding 1.5m deep including leveling & ramming bottom,excluding material deposited within 25m or as directed. (shoring, dewatering if necessary shall be paid separately)	m ³	2,560.00	
E1-012	Excavation pit/trench for foundation in medium soil not exceeding 1.5m deep including leveling & ramming bottom,excluding material deposited within 25m or as directed.(shoring, dewatering if necessary shall be paid separately)	m ³	3,190.00	
E1-013	Excavation pit/trench for foundation in hard soil not exceeding 1.5m deep including leveling & ramming bottom,excluding material deposited within 25m or as directed.(shoring, dewatering if necessary shall be paid separately)	m ³	4,449.00	
E1-015	Excavation pit/trench for foundation in mud/marsh soil not exceeding 1.5m deep including leveling & ramming bottom,excluding material deposited within 25m or as directed.(shoring, dewatering if necessary shall be paid separately)	m ³	3,820.00	
E1-019	Excavation soft rock not exceeding 1.5m depth.	m ³	5,079.00	
E1-029	Trimming/cambering by motor grader (cutting measurement)	m ³	74.70	
E1-029A	Trimming/cambering by motor grader (cutting measurement)	m ²	15.00	
R1-059	Piling available soil	m ³	315.00	
R1-061	Boulders sledging, piling, Etc.	m ³	6,193.00	
R1-062	Rock requiring blasting (bank measurment)	m ³	4,661.00	
R1-063	Rock requiring blasting & piling	m ³	7,915.00	
E1-030	Rock blasting using chemical powder fallen rocks of boulders> 1m3 (only for essential conditions) excluding loading & transporting after breaking	m ³	12,825.00	
E1-022	Loading available soil to a tractor or equivalent	m ³	416.00	
E1-027	Road excavation in unclassified soil using machinery excluding loading and piling. (cutting measurement)	m ³	517.00	
E1-028	Loading material by machinery in roadway excavations (cutting measurement)	m ³	244.00	
R1-121	Excavation in hard soil including loading, unloading & piling	m ³	3,683.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
	Section III Aggregate/Rubble piling & loading			
R0-310	Piling available aggregate	m ³	367.00	
A1-019	Piling available rubble	m ³	735.00	
R0-311	Loading available aggregate /rubble	m ³	630.00	
	Section -IV - Gravel work			
R1-122	Spreading piled gravel (loose volume)	m ³	428.00	
R1-123	Gravel spreading, watering & rolled including hire charges (loose volume)	m ³	839.00	
RI-123A	Gravel spread & rolled using machinery including motor grade r& roller hire charges fuel & watering	m ³	398.00	
EW1-006	Approved soil spread and compacted in places behind abutments and structures, shoulders above sub level and in service line trenches using 1/2 to 1 ton roller including watering (loose volume)	m ³	1,110.00	
EW1-007	Approved soil spread and compacted in 150 - 225 mm thick layers using machine rammer at narrow places including watering (loose volume)	m ³	1,305.00	
EW1-008	Spreading, Levelling, Compacting manually using standard cast iron stamper or equivalent and filling in 150mm - 225mm thick layers (loose volume)	m ³	1,417.00	
EW-009	Trimming, levelling & compaction of original ground/ subgrade to 100% STD density	m ²	145.00	
EW-010	Trimming,levelling & compaction of original ground/ subgrade to 95% STD density	m ²	133.00	
	Section - V - Rubble paving (cost of material will be paid seperately)			
R1-141	Pitched paving (225 mm) thick	m ²	896.00	
R1-142	Pitched paving (150 mm) thick	m ²	672.00	
R1-143	Flat paving (225 mm) thick	m ²	596.00	
R1-144	Flat paving (150 mm) thick	m ²	448.00	
	Section VI -Aggregate & earth compaction.			
	NOTE: COST OF AGGREGATE SUPPLY AND TRANSPORT, NOT INCLUDED IN THE RATES FOR ITEMS: R1-201,204,208,M1-007,008			
R1-201	Spreading , watering, rolling 100mm aggregate including roller hire charges (loose volume)	m ³	1,965.00	
R1-202	Breaking road surface to 50mm depth by hand, screen , & replacing old aggregate.	m ²	233.00	
R1-203	Scarifying road surface to 50mm depth by roller, screen , & replacing old aggregate.	m ²	174.00	
R1-204	Spreading , watering, rolling 50-18mm aggregate including roller hire charges. (loose volume)	m ³	3,082.00	
R1-204A	Spreading , watering, rolling 50-18mm aggregate including 0.8 ton vibrating roller hire charges. (loose volume)	m ³	2,741.00	
R1-205	Breaking additional 50mm depth by hand, screen , & replacing old aggregate.	m ²	140.00	
R1-206	Scarifying 50mm additional depth by roller, screen , & replacing old aggregate.	m ²	139.00	
M1-007	Spreading , watering, rolling 50-18mm aggregate in edge correction including roller hire charges. (loose volume)	m ³	3,749.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
M1-008	Spreading , watering, rolling 50-18mm aggregate in strips correction including roller hire charges. (loose volume)	m ³	3,097.00	
R1-208	Spreading and compacting 50-18mm aggregate by roller after applying tack coat in overlay (loose volume) (excluding tack coat).	m ³	2,798.00	
R1-209	Water bound macadam ,Spreading watering compacting 50-25 mm aggregate & filling the voids to refusal with crusher fines by watering and rolling to form a water bound macadam.	m ³	11,745.00	
R1-210	Dry bound macadam ,Spreading watering compacting 50-25 mm aggregate & filling the voids to refusal with crusher fines by watering and rolling to form a dry bound macadam.	m ³	10,649.00	
R1-212	Excavation of hard soil, watering & compacting by road roller	m ³	3,668.00	
M1-012A	Dense graded aggregate Base (ABC) supplying,spreading ,watering & compacting. graded 37.5mm aggregate to form a Dense aggregate Base using machinery including motor grader & roller hire charges. Transport and piling of aggregate To be paid separately (Loose volume)	m ³	5,456.00	
R1-214	Dense graded aggregate base (ABC) supplying ,spreading (manually), watering and compacting ,graded 37.5mm aggregate to form a Dense aggregate base for base correction areas, road widening,etc.excluding transport and piling of aggregate (Loose volume)	m ³	7,530.00	
R1-214 A	Dense graded aggregate base (ABC) supplying ,spreading (manually), watering and compacting using 1 ton roller, graded 37.5mm aggregate to form a Dense aggregate base for small works base correction areas, road widening,etc.excluding transport and piling of aggregate (Loose volume)	m ³	7,353.00	
R1-215	Dense graded aggregate base (ABC) supplying Spreading (manually) watering and compacting graded 37.5mm aggregate to form a Dense aggregate base for small works with base for base correction areas where water is available adjacent to the site, excluding transport and piling of aggregate (Loose volume)	m ³	7,366.00	
Section VII -Road surface treatment				
Transport of bitumen & emulsion paid separately.				
R1-301	Bitumen (80/100) surfacing First coat 2Lt./Sq.M including blinding with washed sand at the rate of 125sqm/m ³	m ²	950.00	1,089.44
R1-302	Bitumen (80/100) surfacing first coat 2Lt./Sq.M , including blinding with Chips 115sqm/m ³	m ²	928.00	1,067.48
S1-003	Double bituminous surface treatment with hot bitumen (manual) including internal transport (binder and aggregate are paid separately.)	m ²	528.00	
S1-004	Single bituminous surface treatment with hot bitumen (manual) including internal transport (binder and aggregate are paid separately.)	m ²	276.00	
S1-005	Double bituminous surface treatment with emulsion (CRS2) (manual) including internal transport (binder and aggregate are paid separately.)	m ²	520.00	
S1-006	Single bituminous surface treatment with emulsion (CRS2) (manual) including internal transport (binder and aggregate are paid separately.)	m ²	271.00	
R1-307	Bitumen (80/100) surfacing Subsequent Coat 0.75LT/SQ.M , including blinding with washed sand 125 sqm/m ³	m ²	425.00	
R1-308	Bitumen (80/100) surfacing Subsequent Coat (1LT/SQ.M) , including blinding with washed sand 125 sqm/m ³	m ²	522.00	591.81
R1-309	Bitumen (80/100) surfacing Subsequent Coat1 (0.75 LT/SQ.M) , including blinding with Chips 115sqm/m ³ (Where sand is not available within 16 km)	m ²	414.00	
R1-310	Bitumen (80/100) surfacing Subsequent Coat (1 LT/SQ.M), including blinding with Chips 115sqm/m ³ (Where sand is not available within 16 km)	m ²	511.00	580.80

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
R1-311	Bitumen Emulsion (CRS1) surfacing 1St Coat with (3.5 LT/SQ.M), including blinding with washed sand 125sqm/m3	m ²	1,310.00	
R1-312	Bitumen emulsion (CRS1) surfacing 1 St Coat with (3.5 LT/SQ.M) including blinding with washed sand 125sqm/m3 using Hand cart	m ²	1,296.00	
R1-313	Bitumen Emulsion (CRS1) surfacing Subsequent Coat (0.75 LT/SQ.M) , including blinding with washed sand 125sqm/m3	m ²	347.00	
R1-314	Bitumen Emulsion (CRS1) surfacing Subsequent Coat,with (0.75 LT/SQ.M) including blinding with washed sand 125sqm/m3 using Hand cart	m ²	355.00	
R1-315	Tack coat using(0.5Lt/Sq.m) Emulsion inclusive of emulsion, brushing & cleaning road surface using hand cart &Air compressor	m ²	213.00	242.68
R1-316	Tack coat using (0.75Lt/Sq.m) Emulsion inclusive of emulsion, brushing & cleaning road surface .	m ²	281.00	326.00
R1-317	Tack coat with 30% cut back bitumen (80/100)using (0.5Lt/Sq.m) inclusive of brushing & cleaning road surface.	m ²	277.00	
R1-318	Tack coat with 30% cut back bitumen (80/100) using (0.75Lt/Sq.m) inclusive of brushing & cleaning road surface.	m ²	381.00	
R1-319	Rolling over blinding material spread over subsequent bitumen surfacing using diesel roller.(8-10 tons)	m ²	22.80	
R1-319a	Rolling over blinding material spread over subsequent bitumen surfacing using vibrating roller.(0.8 tons)	m ²	20.00	
R1-321	Prime coat with emulsion using(1Lt/Sqm) inclusive of blinding with washed sand, brushing ,moistening & cleaning road surface using hand cart & Air compreser.	m ²	444.00	505.14
R1-322	Prime coat with emulsion using (1Lt/Sqm)without blinding but inclusive of brushing ,moistening & cleaning road surface.	m ²	372.00	432.37
R1-323	Prime coat with 30% cutback bitumen (80/100) using (1Lt/Sqm) inclusive of blinding with washed sand, brushing ,moistening & cleaning road surface.	m ²	523.00	
R1-324	Prime coat with 30% cutback bitumen (80/100) using (1Lt/Sqm)without blinding but inclusive of brushing ,moistening & cleaning road surface.	m ²	485.00	
R1-325	Sweeping over tarred surface to arrest bleeding	m ²	9.80	
R1-433	50-18mm aggregate roller patching (material will be paid separately)	m ³	9,159.00	
R1-434	50-18mm aggregate stamped patching (material will be paid separately)	m ³	11,400.00	
S1-031	Supply, Lay and Compact Asphalt premix (19mm, 60/70 Binder 4.7%) - Dense (Plant made) in wearing surface of small works such as Bridge Decking, Reinstatement of Trenches, etc. (Transport of Premix to be paid separately)	M. Ton	36,453.00	
S1-034	Lay & Compact asphalt concrete using paver (cost of supply and transport of premix to be paid separately)	M. Ton	2,822.00	
S1-039	Correction of corrugation, depressions and cambering road surface using asphalt concrete compacted by vibrating roller 0.5-1.0 Ton including internal transport (Application of tack coat and supply of asphalt concrete to be paid separately)	M. Ton	4,865.00	
Section VIII -Road side & Drainage system				
Note- Rate to includ spreading the resulting materials suitably in the vicinity unless otherwise directed.				
DR1-001	Cutting new side drains in ordinary soil (Manually)	m ³	1,859.00	
DR1-002	Cutting new side drains in medium soil (Manually)	m ³	2,593.00	
DR1-003	Cutting new side drains in hard soil (Manually)	m ³	3,328.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
DR1-004	Cutting new side drains in soft rock (Manually)	m ³	3,698.00	
DR1-005	Cutting new side drains In unclassified soil (Manually)	m ³	2,593.00	
R1-504	Cutting new side drains in rock (Manually)	m ³	6,874.00	
DR1-005A	Cutting new Side Drains of std. dimensions in unclassified soil using machineries including shaping, trimming and levelling bottom manually.	m ³	1,122.00	
DR1-005B	Cutting side Drains of unclassified soil using machine (backloe loader) including trimming and levelling bottom manually.	m ³	864.00	
DR1-005C	Cutting side Drains of unclassified soil using machine (excavoter) including trimming and levelling bottom manually.	m ³	933.00	
R1-505	Turfing (excluding royalty, watering & maintance)	m ²	539.00	
DR-008	Watering & maintaining turf for 3 months including transport of water.	m ²	747.00	
R1-506	Levelling & trimming earth (manual)	m ²	49.50	
R1-507	Clearing silt etc.from kerbs & channels	m	29.70	
R1-508	Cutting scupper drains in any soil other than rock to an average width of 0.75 M with the proper gradient and average depth of 100mm	m	231.00	
R1-509	Clearing and desilting of culverts	No	614.00	
R1-510	Clearing chocked culverts	m ³	2,560.00	
DR1-014	Cleaning desilting existing side drains & lead up drains to proper shape and gradient and transport of excavated materials from road side up to 100m	m	72.50	
R1-512	Clearing inlets & outlets of culverts	No	552.00	
Section IX- Bridges culverts & retaining walls				
R1-601	Demolishing dry coursed masonry including stacking or loading.	m ³	7,767.00	
R1-602	Demolishing coursed masonry in cement mortar including stacking or loading	m ³	9,027.00	
R1-603	Demolishing Random rubble masonry in cement mortar including stacking or loading	m ³	4,198.00	
R1-604	Random rubble masonry, 150mm-225mm rubble in approved cement & sand mortar 1:6	m ³	27,082.00	
R1-605	Random rubble masonry,150mm-225mm rubble in approved cement & sand mortar 1:6 with available Rubble.	m ³	23,703.00	
R1-606	Dry masonry with available heavy rubble or boulders	m ³	12,071.00	
R1-607	Dry random masonry with rubble 150-225mm	m ³	12,728.00	
R1-608	Dry random masonry with available 150-225mm rubble	m ³	9,656.00	
R1-609	Packing available rubble and aggregate filter layers behind masonry walls	m ³	2,245.00	
R1-610	Clay puddled & laid behind Masonry walls	m ³	4,546.00	
R1-611	Grouting coursed stone masonry joints with approved cement and sand mortar	m ²	1,052.00	
R1-612	Grouting rubble paving with cement concrete.1;2;4	m ³	4,774.00	
R1-613	Grouting rubble paving with approved cement & sand mortar.1;3	m ²	1,643.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
R1-614	Forming weep holes in masonry construction (labour only)	No.	892.00	
R1-614 A	Forming weep holes 2ft wide in masonry construction using p.v.c.pipe 110mmdia type 400 PE	m	3120.00	
R1-615	Shoring with 38mm thick class 2 timber planks up to 3m depth	m ²	1,864.00	
R1-616	Supplying and fixing class 2 timber struts etc. For shoring up to 3m depth	m ³	165,180.00	
R1-617	Lifting soil for every 1.5m beyond the initial 1.5m	m ³	1,260.00	
R1-618	Lifting wedge stone for every 1.5m beyond the initial 1.5m	m ³	3,779.00	
R1-619	Lifting rubble or concrete for every 1.5m beyond the initial 1.5m	m ³	1,889.00	
R1-620	lowering wedge stone for every 1.5m beyond the initial 1.5m	m ³	2,519.00	
R1-621	lowering rubble or concrete for every 1.5m beyond the initial 1.5m	m ³	1,260.00	
R1-622	Rendering 12.5mm thick in cement sand mortar 1:2 mix (Rough)	m ²	1,688.00	
R1-623	Rendering 19mm thick in cement sand mortar 1:2 mix (Rough)	m ²	2,260.00	
R1-624	Rendering 12.5mm thick in cement sand mortar 1:3 mix (Rough)	m ²	1,595.00	
R1-625	Rendering 19mm thick in cement sand mortar 1:3 mix (Rough)	m ²	2,174.00	
R1-626	Mixing laying manually cement concrete.(1:4:8) 2" (volume batching) using crusher run aggregate	m ³	29,988.00	
R1-627	Mixing laying using concrete mixer cement concrete.(1:4:8) 2" (volume batching) using crusher run aggregate	m ³	27,755.00	
R1-628	Mixing laying manually cement concrete.(1:4:8) 2" with 20% plums (volume batching) using crusher run aggregate	m ³	26,933.00	
R1-629	Mixing laying using concrete mixer cement concrete.(1:4:8) 2" ,with 20% plums (volume batching) using crusher run aggregate	m ³	24,699.00	
R1-630	Mixing laying manually cement concrete.(1:3:6) 1.5",with 20% plums (volume batching) using crusher run aggregate	m ³	30,173.00	
R1-631	Mixing laying using concrete mixer cement concrete.(1:3:6) 1.5"with 20% plums (volume batching) using crusher run aggregate	m ³	29,122.00	
R1-632	Mixing laying manually cement concrete.(1:3:6) 1.5" (volume batching) using crusher run aggregate	m ³	33,711.00	35,457.81
R1-633	Mixing laying using concrete mixer cement concrete.(1:3:6) 1.5" (volume batching) using crusher run aggregate	m ³	31,477.00	33,223.46
R1-633A	Mixing laying cement concrete.(1:3:6) 1.5" using concrete mixer and porker vibrator (volume batching) using crusher run aggregate	m ³	32,298.00	34,044.31
R1-634	Mixing laying manually cement concrete.(1:2:4) 0.75"(volume batching) using crusher run aggregate	m ³	35,672.00	37,821.22
R1-635	Mixing laying using concrete mixer cement concrete.(1:2:4) 0.75" (volume batching) using crusher run aggregate	m ³	33,780.00	35,929.85
R1-636	Mixing laying cement concrete. by hand (Without materials)	m ³	11,639.00	
R1-637	Mixing laying cement concrete. by concrete mixer (without materials)	m ³	9,405.00	
R1-637A	Laying & Compacting Ready Mix Concrete (without materials)	m ³	2,285.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
R1-638	Curing of deck surface by watering at least twice a day & keeping continuous moisture per day	m ²	41.60	
R1-639	Laying premixed bituminous wearing surface 18mm thick including compacting (hot bitumen)	m ²	2,920.00	
R1-640	Laying premixed bituminous wearing surface 18mm thick including compacting (Cold bitumen)	m ²	2,659.00	
R1-641	Fabricating and laying T.S.bars as reinforcement	kg	523.00	581.90
R1-641A	Fabricating and laying M.S.bars as reinforcement	kg	523.00	581.90
R1-642	Cutting and laying reinforcement fabric. (excluding cost of reinforcement fabric)	m ²	517.00	
R1-643	Supplying and fixing 25mm thick planks of class two timber as shuttering including Removing	m ²	2,344.00	
ST1-063	Formwork smooth finish using plywood (shutter 15 mm) and class II timber bearers, joists and jungle timber props for bridge abutments, wingwall, etc:	m ²	4,628.00	
ST1-063A	Formwork rough finish using plywood (shutter 15 mm) and class II timber bearers, joists and jungle timber props for bridge abutments, wingwall, etc:	m ²	4,025.00	
ST1-063B	Formwork smooth finish using plywood (shutter 15 mm) and class II timber bearers, joists and jungle timber props for drains & kerbs	m ²	3,616.00	
ST1-063C	Formwork rough finish using plywood (shutter 15 mm) and class II timber bearers, joists and jungle timber props for drains & kerbs	m ²	3,170.00	
ST1-064	Supplying & fixing 25mm thick planks and struts of class II timber as formwork rough finish, in foundation etc. Including removing. {sscm 1008.3(b)}	m ²	2,286.00	
R1-645	Supplying and fixing class two timber bearers joints etc. including Dismantling in foundation	m ³	146,776.00	
R1-646	Supplying and fixing 100-150mm round jungle timber as props	m	341.00	
R1-647	Supplying and fixing 150-200mm round jungle timber as props	m	328.00	
R1-648	Laying & jointing 152mm dia. Concrete pipes (transport and bedding material paid separately)	m	8,024.00	
R1-649	Laying & jointing 229mm dia. Concrete pipes (transport and bedding material paid separately)	m	8,889.00	
R1-650	Laying & jointing 305mm dia. Concrete pipes (transport and bedding material paid separately)	m	10,450.00	
R1-651	Laying & jointing 450mm dia. Concrete pipes (transport and bedding material paid separately)	m	13,717.00	
R1-652	Laying & jointing 610mm dia. Concrete pipes (transport and bedding material paid separately)	m	20,295.00	
R1-653	Laying & jointing 914mm dia. Concrete pipes (transport and bedding material paid separately)	m	30,569.00	
R1-654	Laying & jointing 1219mm dia. Concrete pipes (transport and bedding material paid separately)	m	43,901.00	
R1-655	Laying & jointing 152mm dia. Concrete pipes (available)	m	1,555.00	
R1-656	Laying & jointing 229mm dia. Concrete pipes (available)	m	1,634.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
R1-657	Laying & jointing 305mm dia. Concrete pipes (available)	m	1,776.00	
R1-658	Laying & jointing 610mm dia. Concrete pipes (Available)	m	3,483.00	
R1-658A	Laying & jointing 610mm dia. Concrete pipes (Available) using machineries (machine transport is be paid separately)	m	1,798.00	
R1-659	Laying & jointing 914mm dia. Concrete pipes (available)	m	5,585.00	
R1-659A	Laying & jointing 914mm dia. Concrete pipes (available) using machineries (machine transport is be paid separately)	m	3,312.00	
R1-660	Laying & jointing 1219mm dia. Concrete pipes (available)	m	7,884.00	
R1-660A	Laying & jointing 1219mm dia. Concrete pipes (available) using machineries (machine transport is be paid separately)	m	5,145.00	
R1-661	Fixing new bridge planks runners & stacking old planks (available)	No.	2,081.00	
R1-662	Removing & Resetting old bridge planks	No.	1,300.00	
R1-663	Supplying & fixing new bridge planks of class 1 timber	m ³	280,933.00	
R1-664	Supplying & fixing 1¼" deck planks of class 1 timber	m ²	11,754.00	
R1-665	Fixing chequered or M.S.plates on timber decked bridge	m	3,072.00	
R1-666	Remove & prefixing chequered or M.S.plates on timber decked bridge	m	4,096.00	
R1-667	Tightening nut & bolts of chequered or M.S.plates	m	731.00	
R1-668	Removing & prefixing 'U' clips	No.	446.00	
R1-669	Cleaning wire brushing and painting steel work one coat enamel paint	m ²	617.00	
R1-670	Cleaning wire brushing and applying tarring on steel work one coat	m ²	419.00	
R1-671	Cleaning with cotton waste and painting steel work with enamel paint one coat	m ²	334.00	
R1-672	Chipping to bare metal & painting with anticorrosive paint one coat	m ²	1,958.00	
R1-673	Painting one coat of enamel paint after applying anticorrosive paint after cleaning & brushing	m ²	1,385.00	
R1-674	Painting two coats of enamel paint after cleaning, derusting & application of one coat anticorrosive paint	m ²	1,745.00	
R1-675	Oiling steel cables on suspension bridges	m ²	2,044.00	
R1-676	Cleaning boom of steel bridge including scaffolding where necessary	m	170.00	
R1-677	Demolishing unreinforce concrete including cleaning debris in foundation & superstructure in dry condition excluding under water structures	m ³	6,630.00	
R1-678	Demolishing reinforced concrete including cleaning debris in foundation & superstructure in dry condition excluding under water structures	m ³	9,779.00	
R1-679	Supplying and fixing M.S.dowels spliced & dove tailed with wedge at one end 5/8" dia 3' long boring hole 1'ft depth in fixing (Using Machinery)	No.	2,542.00	
R1-680	Supplying and fixing M.S.dowels spliced & dove tailed with wedge at one end 3/4" dia 3' long boring hole 1'ft depth in fixing (Using Machinery)	No.	2,841.00	
R1-681	Supplying and fixing M.S.dowels spliced & dove tailed with wedge at one end 1" dia 3' long boring hole 1'ft depth in fixing (Using Machinery)	No.	3,748.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
	<u>Section X - Kilometre posts and guard stones</u>			
R1 701	White washing two coats to guard stones	No.	150.00	
R1702	White washing two coats to K.M.Post including numbering & tar skirting.	No.	1,598.00	
R1 703	Painting white background on parapets etc.& stencilling nos	No.	619.00	
R1 704	Fixing guard stone in any soil	No.	446.00	
R1 706	Casting standard K.M. Stones with R.C.C. 1;2;4 (19mm) concrete including curing for C,D,E roads	No.	8,351.00	
R1 707	Fixing standard type K.M.posts in any soil	No.	3,426.00	
R1 708	Fixing new or refixing guard stones in ct.concrete	No.	1,813.00	
R1 709	Casting standard type guard stone in 1;2;4 ct. concrete.	No.	4,393.00	
R1 710	Route numbering with reflective paint on 2 sides (Reflective paint to be paid separately)	No.	1,389.00	
	<u>Section XI - Notice boards & sign boards</u>			
R1 801	Fixing notice & traffic sign boards etc. in concrete 1:3:6	No.	3,714.00	
R1 802	Cleaning & white washing 2 coats to town name boards including tar skirting	No.	821.00	
R1 803	Cleaning , painting one coat & relettering etc. traffic sign boards including painting posts in B/W	No.	4,861.00	
R1 804	Cleaning , painting . 1 coat on notice board	m ²	937.00	
R1 805	Lettering & numbering below 50mm	No.	117.00	
R1 806	Lettering & numbering below 50-75mm	No.	140.00	
R1 807	Lettering & numbering below 75-150mm	No.	175.00	
R1 808	Lettering & numbering below 150-200mm	No.	234.00	
R1 809	Painting two coats continuous center line 100mm wide with road marking paint	m	281.00	
R1 810	Painting two coats broken center line 100mm wide with road marking paint	m	272.00	
R1 811	Barricading with empty (hot tar) barrels including White washing transporting and cost of barrels	No.	353.00	
R1 812	Revetment to banks etc. With empty barrels in horizontal ties with vertical batter (1:8) including transport of barrels	No.	919.00	
	<u>Section XII-Miscellaneous</u>			
R1 901	Preparing & stock piling premix using pen.grade 80/100 bitumen	m ³	53,341.00	
R1 902	Patching shallow pot holes less than 20mm depth using hot bitumen 2½" gals. Per square & ½" chips single size at the rate of 4.5 Cube,per square including hand stamping & transport of bitumen to site etc. Rates includes cost of bitumen & materials.	m ²	774.00	
R1 903	Patching shallow pot holes less than 20mm depth using 10-20% cut back bitumen 2½" gals. Per square & ½" chips single size at the rate of 4.5 Cube,per square including hand stamping & transport of bitumen to site etc. Rates includes cost of bitumen & materials.	m ²	823.00	
R1 904	Patching shallow pot holes less than 20mm depth using emulsion 2½" gals. Per square & ½" chips single size at the rate of 4.5 Cu,per square including hand stamping & transport of bitumen to site etc. Rates includes cost of bitumen & materials.	m ²	706.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
R1 905	Patching pot holes of medium depth 20-75mm with premix material using . 10-20% cut back bitumen at the rate of 52Gal.,per cube of ¾" and down gauge aggregate including preparation of surface ,tack coat with emulsion 1.5 gal/sqr .Trimming sides, laying premix tamping etc.(Rate including of premix & tack coat)	m ²	4,848.00	
R1 906	Patching pot holes of medium depth 20-75mm with graded aggregate .20mm-12mm using hot bitumen 4Gal/sqr.,coverd with blotting material at the rate of 2.5cu.ft./sqr including preparation of surface ,tack coat with emulsion 1.5 gal/sqr .Trimming sides, laying aggregate tamping etc.complete(Rate including of aggregate and tack coat)	m ²	2,692.00	
R1 907	Patching pot holes deeper than 75mm with premix material to a depth of 1½" (over the already prepared surface aggregate & gravel paid separately) ,using 10-20% cut back bitumen at the rate of 52gal/cu, including preparation of surface ,tack coat with emulsion 1.5 gal/sqr .Trimming sides, laying premix tamping etc.(Rate including of premix tack coat)	m ²	3,168.00	
R1 908	Patching pot holes deeper than 75mm with water bound gravel material using 2"-½" single size aggregate along with usable old aggregate obtain from picking & preparation of surface including laying watering,spreading gravel of approve quality & tamping as directed (Aggregate & gravel would be paid separately)	m ²	128.00	
R1 909	Patching ruts & depressions up to 75mm with cold mix (60/70cut back) material with the surface & edge prepared as per specifications and application of tack coat with emulsion (CSS1) 1.5Gals/sqr (cold mix supply and transport to be paid separately)	m ²	4,496.00	
R1 910	Patching ruts & depressions deeper than 75mm. The surface prepared as per specifications of tack coat with emulsion 1.5Gals/sqr ,Trimming edges. 2"down gage, aggregate laid & compacted with cold mix material (aggregate will be paid separately)	m ²	3,493.00	
R1 911	Patching ruts & depressions up to 75mm depth. The surface and edge prepared as per specifications and application of tack coat with emulsion 1.5Gals/sqr ,Trimming edges. 2"down gage, aggregate laid & compacted with hot bitumen 4gals/sqr covered with blotten material (sand) at the rate of 1cu.m/125sq.m(aggregate will be paid separately)	m ²	2,627.00	
R1 912	Patching ruts & depressions deeper than 75mm. The surface prepared as per specifications and application of tack coat with emulsion 1.5Gals/sqr ,Trimming edges. 2"down gage, aggregate laid & compacted with hot bitumen 4gals/sqr , covered with blotten material (sand) at the rate of 1cu.m/125sq.m (aggregate will be paid separately)	m ²	2,898.00	
R1-913	Correction & strengthening the edge of the road by cold mix 40mm thick prepared using cut back bitumen 10-20% at the rate of 52 gals/cu,of ¾" & down grade aggregate laid on possession watered & compacted . Including earth excavation to width of 225mm and depth of 125mm (cost of Aggregate will be paid separately)	m ²	4,121.00	
R1-914	Correction & strengthening the edge of the road by cold mix 40mm thick prepared using cut back bitumen 10-20% at the rate of 52 gals/cu,of ¾" & down grade aggregate laid on possession watered & compacted . with a bottom layer of 4" aggregate closely packed Including earth excavation to depth of 125mm Aggregate will be paid separately	m ²	4,663.00	
<u>Road surface maintenance</u>				
R1-915	Patch sealing with emulsion painting the surface by spray of C.R.S. 1 at the rate of 1.5 gal/sqr & spreading blotting material (sand) at the rate of 2.5 cu,ft/sqr (1cu.m/125sq.m)	m ²	424.00	
R1-915a	Patching With Cold Bitumen (CRS), Using 28 Ltrs Per 1 Kilo Meter:	km	15,247.00	
R1-915b	Patching With Cold Bitumen (CRS1), Using 42 Ltrs Per 1 Kilo Meter:	km	22,871.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
R1-915c	Patching With Cold Bitumen (CRS1), Using 56 Ltrs Per 1 Kilo Meter:	km	30,494.00	
R1-915d	Patching With Cold Bitumen (CRS1), Using 70 Ltrs Per 1 Kilo Meter:	km	38,118.00	
R1-916	Patch sealing with hot bitumen painting the surface by hot bitumen at the rate of 1.5 gal/sqr & spreading blotting material (sand) at the rate of 2.5 cu,ft/sqr	m ²	465.00	
R1-917	Patch sealing of pitted surface with hot sand bitumen mix 65 gal/cube of sand spread & hand stamping including brushing & cleaning the surface before application	m ²	1,101.00	
R1-918	Patch sealing of pitted surface with emulsion sand slurry using C.R,S 1 or2 at the rate of 85 gal/cube of sand mix properly laid ,levelled & squeezed including brushing & cleaning the surface before application	m ²	1,119.00	
R1-918A	Asphalt surface sealing to a thickness of 4-5mm, spreading by manually using modified emulsion aggregate slurry ,levelled & squeezed including brushing & cleaning the surface before application	m ²	1,350.00	
R1-919	General upkeep of road sides including maintaining the right of the way in neat condition by trimming ,weeding ,& clearing of the road sides, drains, drainage structures, scupper drain and clearing minor slips.	m ²	62.00	
R1-920	Clearing ordinary jungle, including removing high growing plants and trees of girth less than 25mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed.	m ²	7.60	
R1-920A	Clearing ordinary jungle (using grass cutting machine), including removing high growing plants and trees of girth less than 25mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed.	m ²	6.70	
R1-920B	Clearing ordinary jungle (using tractor with bush cutter), including removing high growing plants and trees of girth less than 25mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed.	m ²	5.90	
R1-921	Clearing medium jungle, including removing high growing plants and trees of girth less than 25mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed.	m ²	10.50	
R1-921A	Clearing medium jungle (using grass cutting machine), including removing high growing plants and trees of girth less than 25mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed.	m ²	9.20	
R1-921B	Clearing medium jungle (using tractor with bush cutter), including removing high growing plants and trees of girth less than 25mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed.	m ²	8.70	
R1-922	Clearing heavy jungle, including removing all high growing plants and trees of girth less than 25mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed.	m ²	13.50	
R1-922A	Clearing heavy jungle (using grass cutting machine), including removing all high growing plants and trees of girth less than 25mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed.	m ²	11.80	
R1-922B	Clearing heavy jungle (using tractor with bush cutter), including removing all high growing plants and trees of girth less than 25mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed.	m ²	11.50	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
R1-923	Repairs to damage of shoulders verges & embankments ,slopes including making good depression ruts ,holes and erosion paths with approved gravely soil.and compacting the same with roller. (gravely soil to be paid separately if brought from out side)	m ³	1,018.00	
R1-924	Regrading and re gravelling of shoulders with gravel of approved quality duly compacted with roller as directed for repairing high sides coursed heaving deposits and construction debris to required levels by using a grader (Gravel will be paid separately)	m ³	637.00	
R1-925	Regrading and re gravelling of shoulders with gravel of approved quality duly compacted with roller as directed for repairing high sides coursed heaving deposits and construction debris to required levels by manually. (Gravel will be paid separately)	m ³	1,164.00	
R1-926	Replacing the damaged or cracked concreteslabs in the foot walks with precast or cast insitu cement concrete 1:2:4 using ¾" down gauge stone aggregate to a minimum thickness of 2" including fixing in position with cement mortar 1:3 joints over completed bed etc..	m ³	8,945.00	
R1-927	Cutting and removing fallen trees up to600 mm in girth including cutting into required number of pieces and disposal as directed. Minimum piece shall not less than 2.5m	No.	1,561.00	
R1-928	Cutting and removing fallen trees 600- 900 mm in girth including cutting into required number of pieces and disposal as directed. Minimum piece shall not less than 2.m	No.	2,229.00	
R1-929	Weeding masonry culverts small bridges and retaining walls	No.	544.00	
R1-930	Masonry random rubble with boulders including collect	m ³	3,120.00	
R1-931	Fixing cats eyes in the tar macadam roads including breaking road surface,barricading etc.	No.	848.00	
R1-932	Reducing high sides in ordinary soil	m ³	1,321.00	
R1-933	Reducing high sides in medium soil	m ³	1,951.00	
R1-934	Reducing high sides in hard soil	m ³	2,581.00	
R1-935	Reducing high sides in soft rock	m ³	3,210.00	
R1-936	Reducing high sides in rock requiring blasting	m ³	6,250.00	
R1-937	White washing 1coat to parapets of bridges & culverts	m ²	98.90	
R1-938	White washing 2 coat to parapets of bridges & culverts	m ²	167.00	
R1-939	White washing 1 coat to parapets of bridges & culverts after cleaning & attending to minor repairs	m ²	168.00	
R1-940	White washing 2coat to parapets of bridges & culverts after cleaning & attending to minor repairs	m ²	236.00	
R1-941	Painting with emulsion 1 coat to parapets of bridges and culverts, guard stone and K.M.posts after cleaning and attending to minor repairs.	m ²	473.00	
R1-942	Painting with emulsion 2 coats to parapets of bridges and culverts, guard stone and K.M.posts after cleaning and attending to minor repairs.	m ²	781.00	
R1-943	Painting with emulsion 1 coats to parapets of bridges and culverts guard stone and K.M.posts including preparation of surface of old work	m ²	404.00	
R1-944	Painting with emulsion sub coat to parapets of bridges and culverts guard ston and K.M.posts including preparation of surface of old work	m ²	349.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
R1-945	Painting with emulsion one coat to parapets of bridges and culverts guard stone and K.M.posts including preparation of surface of new work	m ²	374.00	
R1-946	Cleaning and painting 100mm wide strip for skirting to guard stone	m	191.00	
R1-947	Painting two coats of Standard pedestrian crossing for carriage way	m	4,200.00	
R1-948	Erecting ,barricading in jungle timber 75-100mm dia.vertical posts at 3' centres & 4' above ground including white washing.	m	1,157.00	
R1-949	Temporary scaffolding for painting or tarring bridges & for weeding on bridges or retaining walls including dismantling after work	m ²	299.00	
R1-950	Roughening existing smooth tarred metalled carriage way by hand for bonding collecting disposal of all loose materials.	m ²	38.40	
R1-951	Supplying diesel for machineries (ex.filling station)	Litter	443.00	
R1-952	Patching road with premix after prepareing surface 30% cut back bitumen as tack coat.	m ³	19,950.00	19,129.09
R1-952A	Patching road with premix after prepareing surface with emulsion (CRS1) as tack coat including internal transport and compacting using stamper (Premix will be paid seperatly)	m ³	19,275.00	19,761.94
R1-952B	Patching road with premix cleaning after surface emulsion (CRS1) as tack coat and compacting using plate compactor (Premix will be paid seperatly)	m ³	18,039.00	18,526.02
R1-952C	Patching road with premix cleaning after surface emulsion (CRS1) as tack coat and compacting using 0.8Ton vibrating roller (Premix will be paid seperatly)	m ³	16,134.00	16,620.80
R1-953	Road marking continuous centre line (100mm width) using thermoplastic paint(white) inclusive barricading.	m	249.00	
R1-954	Road marking Standard pedestrian crossing using thermoplastic paint (yellow) inclusive barricading	m ²	2,449.00	
R1-955	Transport of Interlocking Concrete Paving Block per km transport (distance more than 25km and vehicle capacity more than 5 ton - within the province)	block/km	0.30	
R1-955 a	Transport of Interlocking Concrete Paving Block per km transport (short distance - within the province)	block/km	0.45	
R1-956	Paving of interlocking concrete blocks inclusive 50mm thick sand bedding and compaction.Supply and transport of Blocks and bedding material to be paid separately.(Depending on the design, Construction of side kerbs,ABC layer,sub grade preparation to be paid separately)	m ²	466.00	
R1-957	Suppling & Patching road with premix(using pen.grade 80/100 bitumen) after prepareing surface with emulsion (CRS1) as tack coat (with 30% cut back bitumen (80/100)using (0.5Lt/Sq.m) inclusive of brushing & cleaning road surface) including internal transport and compacting using stamper. (transport of premix will be paid seperatly)	m ³	78,147.00	

Code	Description of item	Unit	2 nd half Rate (Rs.)	
			without VAT	with VAT
	Section XIII- surveying levelling			
R1-1001	Supplying of U/Sk labour	Day	3,480.00	
R1-1002	Supplying of S/Sk labour	Day	4,060.00	
R1-1003A	Supplying of Sk-A labour	Day	5,220.00	
R1-1003B	Supplying of Sk-B labour	Day	4,640.00	
R1-1004	Clearing jungle (light) to a width of 4' for survey works	km	13,293.00	
R1-1005	Clearing jungle (medium) to a width of 4' for survey work	km	17,724.00	
R1-1006	Clearing jungle (heavy) to a width of 4' for survey work	km	26,586.00	
R1-1007	Supplying labours for cutting pegs & pegging survey work	km	3,560.00	