

SCHEDULE OF RATES - 2024

**BUILDING, IRRIGATION, ROAD WORKS
AND
MATERIAL TESTING
NORTHERN PROVINCE**

**Office of the Deputy Chief Secretary
Engineering Services
Northern Province
Jaffna**

Published by
Office of the Deputy Chief Secretary Engineering Services,
Northern Provincial Council
Provincial Council Complex,
Kandy Road,
Kaithady,
Jaffna

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1.PREFACE

It is my great pleasure to release the Schedule of Rates – 2024 for Northern Province.

The objective of this publication is to enhance the transparency and consistency among the stakeholders of construction industry in Northern Province by publishing a compiled Schedule of Rates for the year 2024 comprising rates for works related to Buildings, Irrigation and Roads construction and rates for quality control laboratories for the Northern Province.

In this exercise it is intended to harmonize the rates to the extent possible with the contribution of three major technical provincial departments namely Buildings Department, Irrigation Department and Road Development Department by adopting similar approach in deciding certain basic norms.

I strongly believe that this publication would not only serve as a guideline for non-technical departments to compare their rates while preparing the estimates, but also would iron-out certain concerns with regard to difference in rates among the institutions for similar items. In addition, it would also help the contractors to verify the practicality of their rates to avoid quoting unduly low rates and struggling to meet the quality requirements during execution. Therefore, it is anticipated that this publication would contribute to create a win-win situation between contractors and implementing agencies in assuring quality and value for money and intern minimize the disputes.

I wish to express my appreciation and gratitude to Deputy Chief Secretary – Engineering Services, Directors of Buildings Department, Road Development Department, Irrigation Department and their subordinates who have timely contributed at different levels to make this publication as an effective tool for estimation for the construction industry in Northern Province.

Any suggestions and opinions are appreciated for further improvement and enrichment for the future publications.

S.M. Saman Bandulasena

Chief Secretary

Northern Province.

2.BACKGROUND

In Northern Province there are three technical departments namely Buildings Department, Irrigation Department and Road Development Department entrusted with the task of implementing works related to their respective fields in accordance with generally accepted professional standards and practices and by observing sound management practices, and employing appropriate technology and safe and effective equipment, machinery, materials and methods.

One of the key activities of the departments is to prepare unit rates for works items in accordance with the specification of works, rate analysis and prevailing rates of machinery, materials and man power.

In order to do so Buildings Department adopts respective buildings related specifications published by the CIDA and rate analysis (Buildings Schedule Rates (BSR) of Provincial Buildings Department. Likewise, Irrigation Department adopts respective Irrigation related specifications published by the CIDA and rate analysis (Irrigation Schedule Rates (ISR) based on Data for Costing published by the Central Irrigation Department. Similarly, Road Development Department adopts respective Road related specification published by the CIDA and rate analysis (Highway Schedule Rates (HSR) published by the Road Development Authority.

Since it is found to be necessary to adopt respective rates prepared by each department for their activities in the context of employing appropriate technology and safe and effective equipment, machinery, materials and methods to suit their respective specifications, it is justifiable to have independent rates with acceptable variation in similar items.

Even though the departments are permitted to adopt their rates as explained above, it was strongly felt that similar approach is required in deciding certain basic norms. Hence it has been decided to involve all three technical departments to work together with the assistance of Deputy Chief Secretary – Engineering Service to harmonize the rates to the extent possible and publish a compiled Schedule of Rates comprising rates for Buildings related constructions, Irrigation related constructions, Road related construction and rates for quality control laboratories for the Northern Province.

This publication could be used as a guideline by other non-technical departments and contractors to compare their rates while preparing the estimates. But it is their responsibility to determine their rates in accordance with the proposed specification and the ground condition of the work site.

While the Provincial Departments of Buildings, Irrigation, Road Development, Engineering Services and Northern Provincial Council strives to make the information on this guidebook as timely and accurate as possible, the departments make no claims, promises, or guarantees about the accuracy, completeness, or adequacy of the contents of this guidebook, and expressly disclaims liability for errors and omissions in the contents of this guidebook.

3. THE COMMITTEE ENGAGED IN PREPARATION OF SCHEDULE OF RATES

This guidebook, consisting of Building Schedule Rates, Highway Schedule Rates, Irrigation Schedule Rates and Material Testing of 2024 were prepared by the committee, comprising followings members, with the concurrence of Provincial Directors of Engineering Departments under the guidance of Deputy Chief Secretary Engineering Services, Northern Province.

Committee Members

1. Eng S.Jeyaseelan - Acting Provincial Director (Department of Buildings, NP)
2. Eng.S.Vihirthan - Deputy Director (Department of Irrigation, NP)
3. Eng.Mrs.A.Vithyaparan - Director of School Works, (Department of Education, NP)
4. Eng.K.Kowsikan - Chief Engineer (Department of Road Development, NP)
5. Eng.S.Paraneetharan - Engineer (Department of Local Government, NP)
6. Eng.S.Sulaxana - Engineer (Department of Health, NP)

Other Key Supportive Staffs

1. Eng.S.Sarwarajah - Irrigation Engineer (Department of Irrigation, NP)
2. Eng.A.Sujeewah - Electrical Engineer, (Department of Buildings, NP)
3. Eng.K.Haatheesh - Executive Engineer (Department of Road Development, NP)
4. Mr.K.Vithusan - Draughtsman, (Department of Irrigation, NP)
5. Mr.S.Thavaseelan - Technical Officer (Department of Road Development, NP)
6. Mrs.S.Sivagowry - Work supervisor (Department of Buildings, NP)

GENERAL DATA
DEPARTMENT OF BUILDINGS,
IRRIGATION AND ROAD DEVELOPMENT

4 GENERAL DATA

4.1. OVERHEAD AND PROFIT FACTOR FOR WORKS

- Overhead and Profit (OH & P) factor is not included in the rates given in the schedule.
- Overhead and Profit factor shall be added to the rates given in this guideline by the entities that intent to use this guideline.
- Profit factor shall generally be 10% and the Over Head shall be in accordance with the recommendation of CIDA given by the Chairman CIDA's letter dated 03.10.2018.
- Provincial Departments shall adopt the Overhead & Profit in the following manner.

Profit	10 %
General Overhead	6 %
General Overhead & Profit	16%

- The site overhead shall be included in the Preliminaries as per the recommendation of CIDA given by the Chairman CIDA's letter dated 03.10.2018.
- For the CBO contracts, VAT shall be added for cement and reinforcement with the material cost given in the schedule before the addition of 10% of profit.
- If the departments are responsible for supervision of work, taking measurement and bill preparation for CBO contracts, the General Overhead shall be reduced to 2%.
- Cost for loading, unloading, material wastage and transport is included in the rates.
- For Irrigation & Agriculture roads such as earthen, gravel & concrete, ISR shall be used. For other type of Irrigation & Agriculture Road, HSR shall be used.
- Round the final abstract rate (with Overhead and Profit) to zero decimal.
- The basic rates do not include any sea transport expenses required to transport the material to islands, in such case price fixed for sea transport by the District Price Fixing Committee of Jaffna District shall be taken to account.
- Rates include all taxes other than VAT. VAT to be paid separately.

4.2. REINFORCEMENT: WEIGHTS, SPECIFIED SPACING'S AND UNIT WEIGHTS

Weights of metric (millimeter) bars in kilograms per square meter

Size (mm)	Weight per m (kg)	Length per M.Ton (m)	Spacing of Bars in Millimeters									
			75	100	125	150	175	200	225	250	275	300
6	0.222	4505	2.96	2.220	1.776	1.480	1.269	1.11	0.987	0.888	0.807	0.74
8	0.395	2532	5.267	3.950	3.16	2.633	2.257	1.975	1.756	1.58	1.436	1.317
10	0.616	1623	8.213	6.160	4.928	4.107	3.52	3.08	2.738	2.464	2.24	2.053
12	0.888	1126	11.84	8.880	7.104	5.920	5.074	4.44	3.947	3.552	3.229	2.96
16	1.579	633	21.05	15.790	12.630	10.530	9.023	7.895	7.018	6.316	5.742	5.263
20	2.466	406	32.88	24.660	19.730	16.440	14.09	12.33	10.96	9.864	8.967	8.22
25	3.854	259	51.39	38.540	30.830	25.690	22.02	19.27	17.13	15.42	14.01	12.85
32	6.313	158		63.130	50.500	42.090	36.07	31.57	28.06	25.25	22.96	21.04
40	9.864	101			78.910	65.760	56.37	49.32	43.84	39.46	35.87	32.88

Basic weight = 0.00785 kg/mm² per meter

Weight per meter = 0.006165 Θ^2 kg

Weight per mm² at spacing s (mm) = 6.165 Θ^2 /skg

Θ = diameter of bar in millimeters

4.3. BASIC LABOUR RATES ADOPTED

Category	Unit	Basic Rate (Rs)				
		Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Skilled Grade I	Day (8hrs)	3,000.00	2,900.00	3,000.00	3,000.00	3,400.00
Skilled Grade II	Day (8hrs)	2,500.00	2,500.00	2,800.00	2,500.00	2,750.00
Semi-Skilled	Day (8hrs)	2,300.00	2,200.00	2,500.00	2,300.00	2,600.00
Unskilled	Day (8hrs)	2,200.00	2,000.00	2,300.00	2,200.00	2,500.00

**RATES FOR
BUILDINGS WORKS**

5. RATES FOR BUILDINGS WORKS

5.1. GENERAL SPECIFICATION FOR BUILDINGS WORKS

- Specification for Building Works – Volume I – CIDA Publication No SCA/4/1-Revised edition – July 2004
- Specification for Building Works – Volume II – Sanitary installations - CIDA Publication No SCA/4/1-Revised edition – October 2001
- Specification for Water supply, sewerage & Storm water drainage works - CIDA Publication No SCA/3/2-Revised edition – April 2002
- Specification for Electrical & Mechanical Works associated with building & Civil Engineering - CIDA Publication No SCA/8 -Revised edition – August 2000

SPECIFICATION AND PRICING PREAMBLES

EXCAVATION AND EARTH WORK

Rates shall include for,

- a) Back filling, consolidating and disposal of surplus excavated materials as specified and as directed.
- b) All works under this section are measured net. (Working space not allowed)
- c) Keeping trenches free from water and in a clean and dry condition. (Excavation and construction period)
- d) For excavation beyond the depth of 5'-0" an additional unskilled labourer should be **added for every additional depth of 5'-0"**.
- e) Unless otherwise specified in the dewatering for excavation at construction period are measured separately.

CONCRETE WORKS

Assumptions:

- a) Mixing concrete using a concrete mixer 14/10 cuft capacity and manual loading are the basis on which the norms are worked
- b) A gang of one skilled and six unskilled labourers produce 3.00 cubes of concrete per day using a 14/10 cuft capacity concrete mixer. This is as per accepted practice.
- c) The production of concrete is at the mixer site, transporting mixed concrete and placing same in position is paid for separately.
- d) In concrete placing of concrete in column, beams and floors slabs on the ground floor the labour component allowed is for the placing of concrete between the ground floor and the top of the 1st floor slab which area is called the ground floor area similarly the area between the top of the 1st floor slab and the top of the 2nd floor slab is called the 1st floor area etc.
- e) Sand Bulking Factor - 1.15
- f) Metal Void Ratio - 1.20
- g) Water available at site.
- h) If water is not available allowance must be made for transport of water.
- i) River Sand & Granite metal to be used for all concrete works.
- j) For laying 2" thick concrete at depths more than 5'-0", **add 1/6 day unskilled labourer** for each additional 5'-0"
- k) For laying 3" thick concrete at depths more than 5'-0", **add 1/4 day unskilled labourer** for each additional 5'-0"

Buildings Works Rate 2024

Rates shall include for,

- a) All concrete shall be made dense with a vibrator, rate shall include for plant mixing, handling, hoisting, depositing, compacting, curing & making good after removal of form work.
- b) Unless otherwise specified in the respective items, all formwork and reinforcement are measured separately.
- c) R/F in position with tools of cover block in same mix.
- d) All costs in connection with the construction of "kickers"
- e) Approved Construction joints to be applied for concrete temporary stop ends as directed.
- f) Cement & steel should be S.L.S. certified. (Cement SLS 107, 1247, Steel SLS 375)
- g) The quality of the concrete should confirm to the relevant B.S, S.L.S and CIDA specification for building works.

FORMWORK, REINFORCEMENT & OTHER WORKS

Rates shall include for,

- a) All necessary boarding, supports, erecting, framing, cutting, angles, striking, removal cleaning, wetting etc.
- b) Unless otherwise specified in the respective items, all formwork and reinforcement are measured separately.
- c) Form work has been measured in the net contact surface measurement between concrete & form work.
- d) Plywood shuttering to produce to have fair face concrete finish. Mould oil should be applied to form work surface before using.(steel shuttering for columns included).
- e) Reinforcement shall conform to including binding wire, cutting bending, assembling, supplying fixing position, stools, spacer bar and fabricating steel according to British standard practice and as shown in structural drawing. All steel to be tor steel manufactured by SLS certified manufactures.
- f) Reinforcement as per B.S 4499 or 4461 having minimum characteristic strength of 500N/mm² for high yield steel and 250 N/mm² for mild steel.).

BRICK WORK

Rates shall include for,

Plumbing, angles, straight cutting, forming rebates, reveals and raking out joints for plastering.

PAVIOR

Rate shall include for,

- a) Wall Tiles should be manufactured by Lanka Wall Tile /Rocel ceramic / approved equivalent
- b) All floor tiles shall be Homogenous vitreous porcelain of industrial grade (heavy duty) Floor tile manufactured by Rocell or approved equivalent.
- c) Tile Mortar: Swisstek or equivalent

ROOF WORKS

Rate shall include for,

- a. Hoisting & fixing complete with nails, screws clips etc.
- b. All straight & square cutting & waste
- c. Two coats of wood preservative to roof & flat asbestos ceiling timber frame work
- d. All cutting notching, drilling, sinking trimming, framing, jointing splayed in position complete with all nails spiked screws & priming to joints & ends
- e. No application of any description shall be made on any timber is approved by the Eng.

CARPENTER & JOINER

Rate shall include for,

- a) All cutting, notching, drilling, sinking, trimming, framing, jointing, splayed edges & the like including fixing in position complete with all nails, spikes, joints and ends.
- b) No application of any description shall be made on any timber unless and until the timber is approved by the Engineer.
- c) All door frames shall be fixed with spur stones at the foot
- d) Hold fast 4Nos for each frame
- e) All doors & windows frames shall be fixed to block works with MS hold fast as directed.
- f) All doors & windows fittings to be approved before fixing.

ALUMINIUM WORKS

- a) Contractor should submit detailed shop drawings and fabricated samples of typical units of each type illustrating all construction details for prior approval of the Engineer.
- b) Frames shall be fixed to the structural openings with appropriate fixing plugs and anchor bolts.
- c) Interface between door / window frames and structural openings shall be properly caulked and sealed with flexible silicon sealant of a colour to be approved by the Engineer
- d) Corners and joints of frames and sashes shall be miter cut and staked with clears and mechanically crimped. Where staked joints are not possible. Frames/sashes shall be miter cut or square cut as required & assembled with stainless screws into appropriate cleats & integral screw groves within the extrusion. All shall be sealed with approved joint sealer to prevent leakages. Drainage points shall be provided as required.
- e) All openable sashes shall be provided with minimum two layers of Neoprene / EDPM weather stripping / Gaskets to form a continuous drought proof seal between sashes and frames.
- f) Windows shall be provided with heavy duty stainless steel (304) friction hinges, and die - cast powder coated aluminium fasteners.
- g) All doors / windows shall have stainless steel hinges & screws, locks shall be "Alpha" locks / approved quality.

ELECTRICAL INSTALLATION

- a) Recommended makes of Electrical Accessories,
- b) MCCB – Schneider, ABB, Terasaki, Siemens, Orange(sigma) or equivalent
- c) MCB'S and RCCB's – Schneider, Siemens, Crabtree, Eaton, Hager, Orange (sigma), Moeller, Legrand, F & G (Austria) or equivalent.
- d) Cable – ACL, Kelani, Sierra or equivalent.
- e) Ceiling Fan – KDK, National – Japanese origins or equivalent.
- f) Exhaust Fan – KDK, National – Japanese origins or equivalent.
- g) Switch and Socket Outlet – Tenby, Clipsal, MK, PDL, Kevilton, Orange or equivalent
- h) Fluorescent Lamp – The choke, Starter and Capacitor should be of good quality. British, French, Australia, German or equivalent and the tube should be preferably Thorn, Osram, National or equivalent. The fluorescent fittings should be fabricated. In gauge not smaller than 24 SWG Zinc coated metal, finished with power coating (white in colour).
- i) Distribution Board – Shall be in surface mount metal enclosure fabricated with zinc coated sheet metal of gauge not less than 1.8mm total enclosed, hinged door with protective cover plate for terminals, finished with powder coating of approved colour and components as specified in the BOQ.
- j) Energy Saving Bulbs – 4 Star rated
- k) LED Lamps – Bright, Green, Kevilton or equivalent

Buildings Works Rate 2024

5.2. GENERAL DATA TO BE USED FOR CALCULATIONS OF QUANTITIES

(a) Multiplication factors for calculation of painting areas of doors and windows

Description	Multiplication factor
Fully glazed doors / windows / fanlights	1.25
Glazed and paneled doors / windows / fanlights	1.50
Fully paneled doors / windows / fanlights	2.25
Ledge, braced and battened doors / windows / fanlights	2.25
Wooden louvered frames	3.00
Expanded metal or weld mesh with fillets or beadings only	0.75
Expanded metal or weld mesh with frame	1.00
Collapsible gate (open type)	1.50
Collapsible gate (closed type)	2.25
Corrugated asbestos or G.I sheets	1.25

(b) Rate adjustment for upper floors in the building

The rates given in this schedule are applicable only for ground work. Therefore, rates for upper floors can be calculated by using following multiplication factors and the rates given in this schedule.

Description	First floor	Second floor	Third floor
Concrete work	3%	5%	7%
Form work	3%	5%	7%
Reinforcement	2.5%	5%	7.5%
Brick work	5%	7%	10%
Calicut tile roof	3%	6%	9%
Asbestos roof	3%	5%	7%
Zink Aluminum roof	3%	5%	7%
Roof plumbing	3%	5%	7%
Ceiling	3%	5%	7%
Plastering	5%	10%	15%
Wall tiling	2%	4%	6%
Floor tiling	2%	4%	6%
Painting	3%	6%	9%

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
5.3 DEMOLISHER							
Dem - 001	Brick work in cement, demolished brick stacked and debris cleared.	m ³	1,633.00	1,484.00	1,707.00	1,633.00	1,855.00
Dem - 002	Brick work in lime, demolished brick - do- do	m ³	1,224.00	1,113.00	1,280.00	1,224.00	1,391.00
Dem - 003	Cadjan roofing or walling dismantled, timber stacked and debris cleared.	m ²	46.00	44.00	50.00	46.00	52.00
Dem - 004	Ceiling, existing, removed materials stacked and debris cleared.	m ²	146.00	138.00	157.00	146.00	164.00
Dem - 005	150 mm thick Cement concrete floor demolished, and debris cleared away.	m ²	1,066.00	969.00	1,114.00	1,066.00	1,211.00
Dem - 006	100 mm thick Cement concrete floor, reinforced, demolished in suspended floors, reinforcement removed and debris cleared.	m ²	1,539.00	1,399.00	1,609.00	1,539.00	1,749.00
Dem - 007	Corrugated sheets, Iron, Asbestos / Aluminium alloy, removed from roof or walls and stacked. [single storey]	m ²	178.00	167.00	182.00	178.00	202.00
Dem - 008	Door or window, size up to 40 S.ft removed from existing walls and stacked per door or window.	No	2,200.00	2,000.00	2,300.00	2,200.00	2,500.00
Dem - 009	Door or window, size over 40 S.ft removed from existing walls and stacked per door or window.	No	3,300.00	3,000.00	3,450.00	3,300.00	3,750.00
Dem - 010	Door or window, sash only up to 40 S.ft removed from existing walls and stacked.	No	294.00	281.00	319.00	294.00	328.00
Dem - 011	Door or window, sash only over 40 S.ft removed from existing walls and stacked.	No	441.00	422.00	478.00	441.00	492.00
Dem - 012	Down pipes, 4" to 6" dia. G.I old or decayed, removed from existing building and stacked.	Lm	75.00	68.00	79.00	75.00	85.00
Dem - 013	Drains demolished and debris cleared.	Lm	188.00	170.00	196.00	188.00	213.00
Dem - 014	Fence uprooted, Barbed wire rolled up and all materials stacked (length of fencing to measured).	Lm	343.00	311.00	358.00	343.00	389.00
Dem - 015	75 mm thick floors brick paved, demolished and debris cleared away.	m ²	133.00	121.00	139.00	133.00	151.00

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Dem - 016	Gate sash removed and stacked after demolishing cement concrete blocks or removing posts and separating pintles (demolishing brick work where necessary paid for separately).	No	2,200.00	2,000.00	2,300.00	2,200.00	2,500.00
Dem - 017	Glass panes in doors and windows and fanlight removed and stacked.	m ²	841.00	841.00	942.00	841.00	925.00
Dem - 018	Gutter, eaves, removed and stacked from roof of single storeyed building and stacked.	Lm	47.00	43.00	49.00	47.00	54.00
Dem - 019	Gutter, eaves, removed from roofs of 2 storeyed building and stacked.	Lm	71.00	65.00	74.00	71.00	81.00
Dem - 020	Partitions removed and stacked at site, including making good to walls and floors.	m ²	776.00	735.00	835.00	776.00	870.00
Dem - 021	Lime plastering chipped and debris cleared from site.	m ²	89.00	81.00	93.00	89.00	101.00
Dem - 022	Rendering cement, chipped from brick walls / floors and debris cleared away from site.	m ²	266.00	242.00	279.00	266.00	303.00
Dem - 023	Rendering cement, chipped from cement concrete walls / floors and debris cleared away from site.	m ²	400.00	363.00	418.00	400.00	454.00
Dem - 024	Roof, removing tiles with timber frame work, stacking serviceable material and cleaning debris in single storied building.	m ²	319.00	297.00	339.00	319.00	360.00
Dem - 025	Roof, removing tiles with timber frame work, stacking serviceable material and cleaning debris in 2 storied building.	m ²	444.00	410.00	469.00	444.00	502.00
Dem - 026	Rubble masonry in cement, demolished, rubble stacked and debris cleared away from site.	m ³	2,551.00	2,319.00	2,667.00	2,551.00	2,899.00
Dem - 027	Tiles, glazed demolished and debris cleared away from site.	m ²	474.00	431.00	495.00	474.00	538.00
Dem - 028	Tiles calicut or half round, removed from roof of single storeyed buildings and stacked at site.	m ²	118.00	108.00	124.00	118.00	135.00

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Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Dem - 029	Tiles calicut or half round, removed from roof of 2 storeyed buildings and stacked at site.	m ²	186.00	170.00	195.00	186.00	212.00
Dem - 030	Waterproof Treatment of hot bitumen taken off from flat roof and debris cleared away.	m ²	474.00	431.00	495.00	474.00	538.00
Dem - 031	Ceiling Asbestos with timber frame work removing and stacking serviceable materials single storeyed building including debris cleared away from site.	m ²	531.00	509.00	576.00	531.00	593.00
Dem - 032	Ceiling Asbestos with timber frame work removing and stacking serviceable materials 2 storeyed building including debris cleared away from site.	m ²	656.00	622.00	706.00	656.00	735.00
Dem - 033	Valance / Barge board removed, materials stacked and debris cleared away in single storeyed building.	Lm	47.00	43.00	49.00	47.00	54.00
Dem - 034	Valance / Barge board removed, materials stacked and debris cleared away in 2 storeyed building.	Lm	71.00	65.00	74.00	71.00	81.00
Dem - 035	Cement plastering soffit chipped, and debris cleared away from site.	m ²	350.00	318.00	366.00	350.00	397.00
Dem - 036	Wash Basin / sink / urinal with fittings removed and walls made good.	No	2,568.00	2,430.00	2,655.00	2,568.00	2,899.00
Dem - 037	Closet pedestal type disconnecting and plugging sewer connection and making good all affected walls and floors.	No	3,018.00	2,868.00	3,068.00	3,018.00	3,368.00
Dem - 038	Closet pedestal type disconnecting and plugging sewer connection.	No	1,300.00	1,225.00	1,325.00	1,300.00	1,475.00
5.4 EXCAVATOR							
Exc - 001	Removing top soil to a depth not exceeding 6" & depositing as directed within site.	m ²	237.00	215.00	248.00	237.00	269.00
Exc - 002	Excavation over site to reduce level in any material except rock requiring blasting including depositing and leveling as directed up to a distance not exceeding 10 m.	m ³	1,263.00	1,148.00	1,321.00	1,263.00	1,436.00

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Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Exc - 003	Excavation in trenches for walls/column pits, in soft/loose soil from 0 to 5ft deep, part return fill in and ram, and disposing surplus excavated material to a distance not exceeding 10 m. (Earth work support to be paid separately where necessary).	m ³	777.00	707.00	813.00	777.00	883.00
Exc - 004	Excavation in trenches for walls/column pits in ordinary soil from 0 to 5ft deep, part return fill in and ram, and disposing surplus excavated material to a distance not exceeding 10 m.	m ³	1,749.00	1,590.00	1,829.00	1,749.00	1,988.00
Exc - 005	Excavation in trenches for walls/column pits in hard/dense soil from 0 to 5ft deep, part return fill in and ram, and disposing surplus excavated material to a distance not exceeding 10 m.	m ³	2,721.00	2,474.00	2,845.00	2,721.00	3,092.00
Exc - 006	Excavation in trenches for walls/column pits in mud/wet soil from 0 to 5ft deep, part return fill in and ram, and disposing surplus excavated material to a distance not exceeding 10 m.	m ³	1,943.00	1,767.00	2,032.00	1,943.00	2,208.00
Exc - 007	Excavation in trenches for walls/column pits, in soft disintegrated rock (not requiring blasting) up to a depth of 5ft and disposing surplus excavated material to a distance not exceeding 10 m.	m ³	2,332.00	2,120.00	2,438.00	2,332.00	2,650.00
Exc - 008	Benching rock in foundation in 3"-6" steps. (Blasting prohibited)	m ²	6,227.00	6,120.00	6,886.00	6,227.00	6,893.00
Exc - 009	Soft rock excavation	m ³	3,145.00	2,898.00	3,322.00	3,145.00	3,569.00
Exc - 010	Hard rock excavation	m ³	4,735.00	4,382.00	5,018.00	4,735.00	5,371.00
Exc - 011	Anti-termite treatment on excavated foundation and compacted soil under floors with Bifenthrin chemical mix (Biflex Manufacturer) or equivalent as per manufactures specification.	m ²	510.00	490.00	460.00	615.00	510.00

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Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Exc - 012	Backfilling & compacting pits and trenches with selected earth available at site.	m ³	777.00	707.00	813.00	777.00	883.00
Exc - 013	Backfilling & compacting pits and trenches with gravel	m ³	5,247.00	3,348.00	3,860.00	3,825.00	2,509.00
Exc - 014	Backfilling & compacting pits and trenches with granite dust	m ³	6,182.00	5,380.00	5,689.00	5,451.00	3,728.00
Exc - 015	Backfilling & compacting pits and trenches with lime dust	m ³	4,435.00	N/A	N/A	N/A	N/A
Exc - 016	Backfilling & compacting pits and trenches with river sand	m ³	4,638.00	N/A	N/A	N/A	N/A
Exc - 017	Backfilling & compacting pits and trenches with river sand	m ³	10,124.00	6,233.00	7,152.00	6,873.00	7,588.00
	<i>Filling under floors</i>						
Exc - 018	Filling under floors including leveling watering and compacting in 6" layers with available and selected earth at site.	m ³	1,555.00	1,413.00	1,625.00	1,555.00	1,767.00
Exc - 019	Filling under floors including leveling watering and compacting in 6" layers with gravel	m ³	6,025.00	4,055.00	4,673.00	4,602.00	3,392.00
Exc - 020	Filling under floors including leveling watering and compacting in 6" layers with granite dust	m ³	6,959.00	6,087.00	6,502.00	6,228.00	4,611.00
Exc - 021	Filling under floors including leveling watering and compacting in 6" layers with lime dust	m ³	5,212.00	N/A	N/A	N/A	N/A
Exc - 022	Filling under floors including leveling watering and compacting in 6" layers with red earth	m ³	5,415.00	N/A	N/A	N/A	N/A
Exc - 023	Filling under floors including leveling watering and compacting in 6" layers with river sand.	m ³	10,901.00	6,940.00	7,965.00	7,650.00	8,472.00
Exc - 024	External earth filling around the building with Approved Earth	m ³	N/A	N/A	N/A	N/A	N/A
Exc - 025	External earth filling around the building with filling granite dust.	m ³	5,092.00	4,420.00	4,650.00	4,456.00	2,919.00
Exc - 026	External earth filling around the building with filling lime dust	m ³	N/A	N/A	N/A	N/A	N/A

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Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Exc - 027	External earth filling around the building with filling red earth	m ³	4,138.00	N/A	N/A	N/A	N/A
Exc - 028	Cutting turf sods loading to hand carts and transporting up to 30yards laying and watering for 30 days (Royalty for turf, pegging and transport beyond 30yards paid separately.)	m ²	1,098.00	1,008.00	1,146.00	1,104.00	1,250.00
Earthwork support							
Exc - 029	Earthwork support (open planking) in trenches up to a depth of 5ft 0" . Consider trench of length of 15'- 0" , width 3'- 0"and 5'- 0" depth open planking to both faces. [total area - 2/(15'x 5') =150 sqft.]	m ²	1,547.00	1,504.00	1,590.00	1,547.00	1,630.00
Exc - 030	Earthwork support (close planking) in trenches up to 5ft 0" depth. Consider trench of length of 15'-0" , width 3'- 0"and 5'- 0" depth planking to both faces. [total area - 2/(15'x 5') =150 sqft.]	m ²	2,344.00	2,287.00	2,394.00	2,344.00	2,448.00
Exc - 031	Earthwork support (Close planking) in deep excavation in trenches up to 15'- 0" depth. Consider trench length of 15ft 0" width 5'- 6" at top and 3'- 6" at bottom. [area supported 2/(15'x 15')= 450 sqft]	m ²	2,619.00	2,552.00	2,675.00	2,619.00	2,738.00
5.5 CONCRETE WORK							
Mixing Only							
Con - 001	Cement concrete 1 : 3 : 6 (1") hand mixing, up to one cube. (Shuttering paid for separately)	m ³	26,150.00	22,880.00	23,661.00	23,192.00	23,719.00
Con - 002	Cement concrete 1 : 3 : 6 (1") using mixer mix. (fuel and operator charges for machine is included)	m ³	22,112.00	19,437.00	19,532.00	19,353.00	19,225.00
Con - 003	Cement concrete 1 : 3 : 6 (1½") using mixer mix. (fuel and operator charges for machine is included)	m ³	21,950.00	19,274.00	19,207.00	19,190.00	18,900.00

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Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Con - 004	Cement concrete 1 : 2½ : 5 (1") using mixer mix. (fuel and operator charges for machine is included)	m ³	23,203.00	20,309.00	20,468.00	20,270.00	20,194.00
Con - 005	Cement concrete 1 : 2 : 4 (¾") hand mixing.	m ³	30,188.00	26,570.00	27,241.00	26,548.00	27,273.00
Con - 006	Cement concrete 1 : 2 : 4 (¾") using mixer mix. (fuel and operator charges for machine is included)	m ³	25,609.00	22,916.00	22,853.00	22,527.00	22,567.00
Con - 007	Cement concrete 1 : 1½ : 3 (¾") using mixer mix. (fuel and operator charges for machine is included)	m ³	27,936.00	25,583.00	25,495.00	25,208.00	25,237.00
Con - 008	Cement concrete 1 : 1 : 2 (¾") using mixer mix. (fuel and operator charges for machine is included)	m ³	34,616.00	32,066.00	31,876.00	31,577.00	31,543.00
Mixing and Placing							
Con - 009	2" thick cement concrete 1: 3: 6 (1") screed in foundation at depths not exceeding 5'-0"	m ²	1,275.00	1,128.00	1,153.00	1,135.00	1,148.00
Con - 010	2" thick cement concrete 1: 3: 6 (1½") screed in foundation at depths not exceeding 5'-0"	m ²	1,266.00	1,120.00	1,137.00	1,126.00	1,131.00
Con - 011	3" thick cement concrete 1: 3: 6 (1") screed in foundation at depths not exceeding 5'-0"	m ²	1,895.00	1,675.00	1,711.00	1,685.00	1,703.00
Con - 012	3" thick cement concrete 1: 3: 6 (1½") screed in foundation at depths not exceeding 5'-0"	m ²	1,883.00	1,663.00	1,686.00	1,673.00	1,678.00
Con - 013	3" thick cement concrete in floor 1 : 2½ : 5 (1")	m ²	1,978.00	1,742.00	1,782.00	1,755.00	1,777.00
Con - 014	3" thick cement concrete in floor 1 : 2 : 4 (¾")	m ²	2,162.00	1,940.00	1,964.00	1,927.00	1,958.00
Con - 015	3" thick cement concrete in floor 1 : 1½ : 3 (¾")	m ²	2,339.00	2,143.00	2,165.00	2,131.00	2,161.00
Con - 016	6" thick cement concrete screed in foundation, Mass concrete 1: 3: 6 (1½") at depths not exceeding 5'-0"	m ³	25,483.00	22,772.00	22,935.00	22,865.00	22,928.00
Con - 017	1:2:4 (¾") Reinforced cement concrete for footing, plinth beam and etc.	m ³	31,221.00	28,387.00	28,801.00	28,281.00	28,907.00
Con - 018	1 : 1½ : 3 (¾") Reinforced cement concrete for footing, plinth beam and etc.	m ³	33,548.00	31,054.00	31,443.00	30,962.00	31,577.00
Con - 019	Cement concrete 1:2:4 (¾") in 4½"x 6" column in ground floor	m ³	34,912.00	31,783.00	32,809.00	32,068.00	33,367.00

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Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Con - 020	Cement concrete 1 : 1½ : 3 (¾") in 4½"x 6" column in ground floor	m ³	37,239.00	34,450.00	35,451.00	34,748.00	36,037.00
Con - 021	Cement concrete 1:2:4 (¾") in 6"x 6" column in ground floor	m ³	34,770.00	31,622.00	32,642.00	31,877.00	33,128.00
Con - 022	Cement concrete 1 : 1½ : 3 (¾") in 6"x 6" column in ground floor	m ³	37,097.00	34,289.00	35,284.00	34,557.00	35,797.00
Con - 023	Cement concrete 1:2:4 (¾") in 9"x 9" column in ground floor	m ³	34,593.00	31,418.00	32,446.00	31,649.00	32,861.00
Con - 024	Cement concrete 1 : 1½ : 3 (¾") in 9"x 9" column in ground floor	m ³	36,920.00	34,085.00	35,088.00	34,330.00	35,530.00
Con - 025	Cement concrete 1:2:4 (¾") in 12"x 12" column in ground floor	m ³	33,677.00	30,553.00	31,451.00	30,702.00	31,761.00
Con - 026	Cement concrete 1 : 1½ : 3 (¾") in 12"x 12" column in ground floor	m ³	36,004.00	33,220.00	34,093.00	33,382.00	34,430.00
Con - 027	Cement concrete 1:2:4 (¾") in 13½" x 13½" column in ground floor	m ³	33,523.00	30,407.00	31,291.00	30,550.00	31,598.00
Con - 028	Cement concrete 1 : 1½ : 3 (¾") in 13½" x 13½" column in ground floor	m ³	35,850.00	33,074.00	33,933.00	33,230.00	34,267.00
Con - 029	Cement concrete 1 : 2 : 4 (¾") in 6" x 6" beam up to first floor.	m ³	36,599.00	33,336.00	34,493.00	33,681.00	35,055.00
Con - 030	Cement concrete 1 : 1½ : 3 (¾") in 6" x 6" beam up to first floor.	m ³	38,925.00	36,003.00	37,135.00	36,361.00	37,725.00
Con - 031	Cement concrete 1 : 2 : 4 (¾") in 9" x 6" beam up to first floor.	m ³	36,481.00	33,195.00	34,375.00	33,540.00	34,914.00
Con - 032	Cement concrete 1 : 1½ : 3 (¾") in 9" x 6" beam up to first floor.	m ³	38,808.00	35,862.00	37,017.00	36,220.00	37,584.00
Con - 033	Cement concrete 1 : 2 : 4 (¾") in 9" x 9" beam up to first floor.	m ³	36,399.00	33,082.00	34,330.00	33,471.00	34,918.00
Con - 034	Cement concrete 1 : 1½ : 3 (¾") in 9" x 9" beam up to first floor.	m ³	38,726.00	35,749.00	36,972.00	36,151.00	37,588.00
Con - 035	Cement concrete 1 : 2 : 4 (¾") in 5" thick floor slab in first floor.	m ³	31,195.00	28,207.00	28,783.00	28,204.00	28,944.00
Con - 036	Cement concrete 1 : 1½ : 3 (¾") in 5" thick floor slab in first floor.	m ³	33,522.00	30,874.00	31,425.00	30,884.00	31,614.00
Con - 037	Cement concrete 1 : 2 : 4 (¾") in 6" thick floor slab in first floor.	m ³	31,190.00	28,204.00	28,774.00	28,195.00	28,927.00

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Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Con - 038	Cement concrete 1 : 1½ : 3 (¾") in 6" thick floor slab in first floor.	m ³	33,517.00	30,870.00	31,416.00	30,875.00	31,596.00
Con - 039	Cement concrete 1 : 2 : 4 (¾") in 4½"x 6" continuous lintel in ground floor.	m ³	36,326.00	32,976.00	34,301.00	33,418.00	34,953.00
Con - 040	Cement concrete 1 : 1½ : 3 (¾") in 4½"x 6" continuous lintel in ground floor.	m ³	38,653.00	35,643.00	36,943.00	36,098.00	37,623.00
Con - 041	Cement concrete 1 : 2 : 4 (¾") in 9"x 9" continuous lintel in ground floor.	m ³	36,282.00	32,941.00	34,212.00	33,330.00	34,777.00
Con - 042	Cement concrete 1 : 1½ : 3 (¾") in 9"x 9" continuous lintel in ground floor.	m ³	38,608.00	35,608.00	36,854.00	36,010.00	37,446.00
Con - 043	Cement concrete 1 : 2 : 4 (¾") in 9"x 12" continuous lintel in ground floor.	m ³	36,277.00	32,937.00	34,203.00	33,320.00	34,757.00
Con - 044	Cement concrete 1 : 1½ : 3 (¾") in 9"x 12" continuous lintel in ground floor.	m ³	38,603.00	35,604.00	36,845.00	36,000.00	37,427.00
Con - 045	Cement concrete 1 : 2 : 4 (¾") in 12"x 15" continuous lintel in ground floor.	m ³	36,262.00	32,925.00	34,173.00	33,291.00	34,698.00
Con - 046	Cement concrete 1 : 1½ : 3 (¾") in 12"x 15" continuous lintel in ground floor.	m ³	38,589.00	35,592.00	36,815.00	35,971.00	37,368.00
Con - 047	Casting 12"x12", 2" thick cement concrete 1:2:4(¾") cover slab.	No	305.00	289.00	299.00	291.00	300.00
5.6 FORM WORK							
Con - 048	Sawn timber formwork to 9"x 9" cement concrete column in ground floor	m ²	4,074.00	3,971.00	4,252.00	4,076.00	4,328.00
Con - 049	Sawn timber formwork for concrete beam in ground floor	m ²	5,172.00	4,974.00	5,373.00	5,178.00	5,541.00
Con - 050	Sawn timber formwork for under side of first floor slab.	m ²	3,181.00	3,077.00	3,257.00	3,189.00	3,333.00
Con - 051	Sawn timber formwork for column footings, wall and plinth beam etc.	m ²	674.00	667.00	688.00	677.00	693.00
Con - 052	Formwork for lintels.	m ²	906.00	891.00	937.00	909.00	948.00
Con - 053	Shuttering for columns up to 4' 00" height, including transporting, erecting and dismantling, using prefabricated steel shutter halves and necessary fixing arrangements. The surface shall be clean and smooth. The rate shall inclusive of all probs and cleaning moulds.	m ²	999.00	973.00	1,037.00	999.00	1,057.00

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Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
5.7 REINFORCEMENT							
Con - 054	Tor steel reinforcement to lintels, slab, beam and column etc bent to shape laid in position & tied with GI wire as directed.	Kg	386.00	380.00	388.00	386.00	400.00
Con - 055	Mild steel reinforcement to lintels, slab, beam and column etc bent to shape laid in position & tied with GI wire as directed.	Kg	386.00	380.00	388.00	386.00	400.00
5.8 READY MIXED CEMENT CONCRETE							
Con - 056	Supplying and laying ready mixed cement concrete Grade 20 [Target mean strength 30N/mm ²]. Up to 30m ³ . Transport included.	m ³	40,073.00	42,950.00	65,623.00	59,140.00	34,525.00
Con - 057	Supplying and laying ready mixed cement concrete Grade 25 [Target mean strength 35N/mm ²]. Up to 30m ³ . Transport included.	m ³	42,073.00	45,450.00	66,623.00	61,140.00	35,425.00
Con - 058	Additional concrete pumping truck charges - Above 30.00 M3	m ³	1,050.00	1,050.00	1,050.00	1,050.00	1,050.00
5.9 MASONRY WORK							
Mas - 001	Random rubble masonry in cement mortar 1:5 in foundation	m ³	20,843.00	18,539.00	18,627.00	18,330.00	17,963.00
Mas - 002	Random rubble masonry in cement mortar 1:5 in superstructure	m ³	22,062.00	19,687.00	19,935.00	19,549.00	19,332.00
Mas - 003	Cement concrete block in 1:4:5 (¾") masonry in 1:5 cement and sand.	m ³	36,904.00	32,471.00	34,370.00	32,922.00	34,725.00
	150mm Block	m ²	5,536.00	4,871.00	5,156.00	4,938.00	5,209.00
	125mm Block	m ²	4,613.00	4,059.00	4,296.00	4,115.00	4,341.00
	100mm Block	m ²	3,690.00	3,247.00	3,437.00	3,292.00	3,473.00
Mas - 004	Cement sand block in 1:6 mix in masonry in 1:5 cement and sand.	m ³	26,416.00	22,571.00	24,560.00	23,589.00	25,318.00
	150mm Block	m ²	3,962.00	3,386.00	3,684.00	3,538.00	3,798.00
	125mm Block	m ²	3,302.00	2,821.00	3,070.00	2,949.00	3,165.00
	100mm Block	m ²	2,642.00	2,257.00	2,456.00	2,359.00	2,532.00

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Item Code	Description	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Hollow Block Masonry							
Mas - 005	8" thick Hollow block masonry in cement and sand mortar 1:5 with cavities unfilled.	m ²	4,801.00	4,681.00	4,823.00	4,554.00	4,875.00
Mas - 006	4" thick Hollow block masonry in cement and sand mortar 1:5 with cavities unfilled.	m ²	3,326.00	3,247.00	3,477.00	3,295.00	3,391.00
Mas - 007	Curb in cement concrete 1:2:4 (¾") 9" high and 3" thick, cement rendered ½" thick including excavation and backfilling	lm	2,135.00	2,020.00	2,215.00	2,078.00	2,259.00
Mas - 008	Padstones, cement, concrete 1:2:4 (¾") precast or in situ. 1'-6" x 0'-9" x 0'-6" .(450mmx225mmx150mm) (Casting and placing only, transport paid separately)	No	1,172.00	1,073.00	1,122.00	1,083.00	1,131.00
Mas - 009	Slabs over drain, cement concrete 3" thick, 1:2:4 (¾") reinforced with expanded metal and ½" cement rendered 1:2 (R/F paid for separately).	m ²	4,523.00	4,145.00	4,346.00	4,193.00	4,384.00
Mas - 010	Spur Stones, cement concrete 1:2:4 (¾") for door posts supplied and fixed.	Stone	128.00	122.00	137.00	127.00	140.00
Drains and Ramps							
Note: All drains and ramps shall be constructed with lean concrete base and with proper masonry works. If necessary reinforcement shall be used. In pricing the items, lean concrete, masonry works, back filling and reinforcement shall be measured and paid separately unless they are included in description.							
Mas - 011	Drains semi circular in cement concrete 1 : 2½ : 5 (1") 9" wide and 9" average depth, 3" thick sides and base, inclusive of ½" cement rendering 1:3 with necessary expansion, joints and excavation, but without ramp. (reinforcement and masonry paid separately)	Lm	3,379.00	3,071.00	3,318.00	3,153.00	3,383.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Mas-012	Drains semicircular in cement concrete 1: 2½: 5 (1") 9" wide and 9" average depth, 3" thick sides and base, inclusive of ½" cement rendering 1:3 and 750 mm wide ramp in 1: 2½: 5 (1"), 3" thick with necessary expansion joints and excavation and back filling. (reinforcement and masonry paid separately)	Lm	5,672.00	5,117.00	5,470.00	5,243.00	5,560.00
Mas-013	Drains semi circular in cement concrete 1 : 2 : 4 (¾") 9" wide and 9" average depth, 3" thick sides and base, inclusive of ½" cement rendering 1:3 with necessary expansion, joints and excavation, but without ramp. (reinforcement and masonry paid separately)	Lm	3,467.00	3,179.00	3,423.00	3,258.00	3,486.00
Mas-014	Drains semicircular in cement concrete 1 : 2 : 4 (¾") 9" wide and 9" average depth, 3" thick sides and base, inclusive of ½" cement rendering 1:3 and 750 mm wide ramp in 1 : 2 : 4 (¾"), 3"thick with necessary expansion joints and excavation . (reinforcement and masonry paid separately)	Lm	5,899.00	5,376.00	5,713.00	5,479.00	5,800.00
Mas-015	Ramp in cement concrete 1: 2½: 5 (1"), 3" thick, inclusive of ½" cement rendering 1:3 with necessary expansion, joints and excavation, [750 mm wide ramp].	m ²	2,248.00	1,988.00	2,063.00	2,024.00	2,080.00
Mas-016	Ramp in cement concrete 1: 2: 4 (¾"), 3" thick, inclusive of ½" cement rendering 1:3 with necessary expansion, joints and excavation, [750 mm wide ramp]. Rate include for 3"thick 18" height side wall with cement concrete 1: 2: 4 (¾")	m ²	3,812.00	3,427.00	3,507.00	3,432.00	3,523.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Mas - 017	Spreading with 25mm granite metal ramp including excavation, 75mm thick base concrete in 1:3:6(25mm), 3"thick curb wall concrete in 1:2:4(20mm) with 10mm dia tor steel at 300mm centers in vertical , horizontally 225mm spacing with 6mm dia mild steel, necessary formwork, earth filling depth not exceeding 350mm, rendering, etc.	m ²	7,350.00	6,492.00	6,713.00	6,591.00	6,793.00
5.10 BRICK WORK							
Bri - 001	Brick work in cement and sand 1:5 in foundation up to DPC	m ³	26,738.00	25,674.00	21,507.00	26,141.00	21,934.00
Bri - 002	Brick work in cement and sand 1:8 in foundation up to DPC	m ³	26,016.00	24,541.00	20,371.00	25,009.00	20,773.00
Bri - 003	Brick work in cement and sand 1:5 in 4 ½" thick wall in ground floor	m ²	3,216.00	3,072.00	2,609.00	3,130.00	2,659.00
Bri - 004	Brick work in cement and sand 1:5 in 9" thick wall in ground floor	m ²	6,208.00	5,932.00	4,983.00	6,043.00	5,083.00
Bri - 005	Brick work in cement and sand 1:5 in 13 ½" thick super structure in ground floor	m ²	9,388.00	8,979.00	7,528.00	9,142.00	7,674.00
Bri - 006	Brick work in cement and sand 1:5 in 9" thick super structure in ground floor	m ²	6,092.00	5,730.00	4,755.00	5,840.00	4,849.00
Bri - 007	Brick work (wire cut) in cement and sand 1:5 in 4 ½" thick wall in ground floor	m ²	7,872.00	7,746.00	8,169.00	7,801.00	7,919.00
Bri - 008	9" thick Brick work (wire cut) in cement and sand 1:5	m ²	15,079.00	14,821.00	15,614.00	14,929.00	15,140.00
Bri - 009	Brick work (wire cut) in cement and sand 1:5 in 13 ½" thick in ground floor	m ²	23,327.00	22,905.00	24,140.00	23,069.00	23,395.00
Bri - 010	3" thick brick paved floor in lime mortar 2:5 in ground floor	m ²	2,856.00	2,696.00	2,459.00	2,695.00	2,522.00
Bri - 011	Steps 1'- 1 1/2"x 0'- 6" in brick in cement and sand 1:5 with ½" thick cement and sand 1:2 rendering including necessary excavation.	Lm	2,665.00	2,483.00	2,216.00	2,539.00	2,260.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Bri - 012	Brick drains in cement and sand 1:5, 9" wide and 6"-9" average depth including cement rendering ½" thick 1:2 to exposed faces with 1' - 6" ramp necessary excavation.	Lm	4,213.00	3,984.00	3,797.00	4,089.00	3,880.00
Bri - 013	Brick drains in cement and sand 1:5, 9" wide and 6"-9" average depth including cement rendering ½" thick 1:2 to exposed faces without ramp including necessary excavation.	Lm	3,567.00	3,367.00	3,249.00	3,467.00	3,331.00
Bri - 014	Expansion joints in brick floors, filling with bitumen and sand.	Lm	105.00	100.00	113.00	105.00	116.00
5.11 PAVING WORK							
Pav - 001	Expansion joints in concrete floors filling with bitumen and sand (to full depth of concrete and rendering).	Lm	235.00	222.00	248.00	231.00	254.00
Floor tile							
Pav - 002	200mm x 200mm size, Non-skid floor tiles bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles. (Prime cost of 200mm x 200mm floor tile [Lanka tile or equivalent] NA / =)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 003	200mm x 200mm size, Non-skid floor tiles on existing bedding and pointed with tile grout to match the tiles. (Prime cost of 200mm x 200mm floor tile [Lanka tile or equivalent] NA / =)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 004	300mm x 300mm size, Non-skid floor tiles bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of 300mm x 300mm floor tile [Lanka tile or equivalent] NA / =)	m ²	N/A	N/A	N/A	N/A	N/A

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Pav - 005	300mm x 300mm size, Non-skid floor tiles on existing bedding and pointed with tile grout to match the tiles.(Prime cost of 300mm x 300mm floor tile [Lanka tile or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 006	400mm x 400mm size, Non-skid floor tiles bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of 400mm x 400mm floor tile [Lanka tile or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 007	400mm x 400mm size, Non-skid floor tiles on existing bedding and pointed with tile grout to match the tiles.(Prime cost of 400mm x 400mm floor tile [Lanka tile or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 008	600mm x 600mm size, Non-skid floor tiles bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles. (Prime cost of 600mm x 600mm floor tile [Lanka tile or equivalent] not less than 1,590.00 /= Excluding vat	m ²	7,565.00	7,435.00	7,625.00	7,523.00	7,733.00
Pav - 009	600mm x 600mm size, Non-skid floor tiles on existing bedding and pointed with tile grout to match the tiles. (Prime cost of 600mm x 600mm floor tile [Lanka tile or equivalent] not less than 1,590.00 = Excluding vat)	m ²	6,471.00	6,423.00	6,522.00	6,471.00	6,598.00
Pav - 010	300mm x 600mm size, Homogenous porcelain Matt floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA/=)	m ²	N/A	N/A	N/A	N/A	N/A

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Pav - 011	300mm x 600mm size, Homogenous porcelain Matt floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 012	300mm x 600mm size, Homogenous porcelain Matt floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 013	300mm x 600mm size, Homogenous porcelain Matt floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 014	300mm x 600mm size, Homogenous porcelain semi gloss floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] 860.00 /=)	m ²	7,933.00	7,803.00	7,993.00	7,891.00	8,101.00
Pav - 015	300mm x 600mm size, Homogenous porcelain semi gloss floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] 860.00/=)	m ²	6,839.00	6,790.00	6,890.00	6,839.00	6,965.00
Pav - 016	400mm x 400mm size, Homogenous porcelain Matt floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA/=)	m ²	N/A	N/A	N/A	N/A	N/A

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Pav - 017	400mm x 400mm size, Homogenous porcelain Matt floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA/=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 018	300mm x 300mm size, Homogenous porcelain Semi gloss floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 019	300mm x 300mm size, Homogenous porcelain Semi gloss floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA/=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 020	300mm x 300mm size, Homogenous porcelain Semi gloss floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA/=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 021	300mm x 300mm size, Homogenous porcelain Semi gloss floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 022	400mm x 400mm size, Homogenous porcelain Semi gloss floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Pav - 023	400mm x 400mm size, Homogenous porcelain Semi gloss floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA/=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 024	400mm x 400mm size, Homogenous porcelain Semi gloss floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 025	400mm x 400mm size, Homogenous porcelain Semi gloss floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] NA/=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 026	600mm x 600mm size, Homogenous porcelain Polished floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] not less than 2,500.00 /= Excluding vat)	m ²	10,137.00	10,007.00	10,197.00	10,095.00	10,305.00
Pav - 027	600mm x 600mm size, Homogenous porcelain Polished floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] not less than 2,500.00 /= Excluding vat)	m ²	9,043.00	8,994.00	9,094.00	9,043.00	9,169.00
Pav - 028	600mm x 600mm size, Homogenous porcelain Semi gloss floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] not less than 1,700.00/= Excluding vat)	m ²	7,876.00	7,746.00	7,936.00	7,834.00	8,044.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Pav - 029	600mm x 600mm size, Homogenous porcelain Semi gloss floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] not less than 1,700.00 /= Excluding vat)	m ²	6,782.00	6,734.00	6,833.00	6,782.00	6,909.00
Pav - 030	600mm x 600mm size, Homogenous porcelain Matt finish floor tile bedded in ½" cement mortar 1:2 and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] not less than 1,750.00 /= Excluding vat)	m ²	8,018.00	7,887.00	8,077.00	7,976.00	8,185.00
Pav - 031	600mm x 600mm size, Homogenous porcelain Matt finish floor tile on existing bedding and pointed with tile grout to match the tiles.(Prime cost of Floor tile [Rocell or equivalent] not less than 1,750.00 /= Excluding vat)	m ²	6,923.00	6,875.00	6,974.00	6,923.00	7,050.00
Tile skirting							
Pav - 032	100mm height tiles skirting to walls including 1:3 cement sand bed and tile mortar grout.(Prime cost of 600mm x 600mm floor tile [Lanka tile or equivalent] not less than 1,590.00/= Excluding vat)	Lm	582.00	579.00	583.00	582.00	589.00
Pav - 033	100mm height tiles skirting to walls including 1:3 cement sand bed and tile mortar grout.(Prime cost of 600mm x 600mm Polished Floor tile [Rocell or equivalent] not less than 2,500.00 /= Excluding vat)	Lm	855.00	852.00	856.00	855.00	862.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Pav - 034	100mm height tiles skirting to walls including 1:3 cement sand bed and tile mortar grout.(Prime cost of 600mm x 600mm semi gloss Floor tile [Rocell or equivalent] not less than 1,700.00 /= Excluding vat)	Lm	615.00	612.00	616.00	615.00	622.00
Pav - 035	100mm height tiles skirting to walls including 1:3 cement sand bed and tile mortar grout.(Prime cost of 600mm x 600mm Matt finish Floor tile [Rocell or equivalent] not less than 1,750.00/= Excluding vat)	Lm	630.00	627.00	631.00	630.00	637.00
	Wall tile						
Pav - 036	300mm x 600mm size, Glazed tile fixed to walls including bedding in 1/2" thick cement mortar 1:2 and raking and pointed with tile grout to match the tiles. (Prime cost of 300mm x 600mm wall tile [Lanka tile or equivalent] not less than 720.00/= Excluding vat)	m ²	6,429.00	6,299.00	6,489.00	6,387.00	6,597.00
Pav - 037	300mm x 600mm size, Glazed tile fixed to walls on existing rendered wall and raking and pointed with tile grout to match the tiles. (Prime cost of 300mm x 600mm wall tile [Lanka tile or equivalent] not less than 720.00/= Excluding vat)	m ²	5,335.00	5,287.00	5,386.00	5,335.00	5,462.00
Pav - 038	300mm x 450mm Glazed tile fixed to walls including bedding in 1/2" thick cement mortar 1:2 and raking and pointed with tile grout to match the tiles. (Prime cost of 300mm x 450mm Ceramic wall tile [Rocell or equivalent] NA /=)	m ²	N/A	N/A	N/A	N/A	N/A

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Pav - 039	300mm x 450mm Glazed tile fixed to existing rendered walls raking and pointed with tile grout to match the tiles. (Prime cost of 300mm x 450mm Ceramic wall tile [Rocell or equivalent] NA/=)	m ²	N/A	N/A	N/A	N/A	N/A
Pav - 040	300mm x 600mm Glazed tile fixed to walls including bedding in 1/2" thick cement mortor 1:2 and raking and pointed with tile grout to match the tiles. (Prime cost of 300mm x 600mm Ceramic wall tile [Rocell or equivalent] not less than 775.00 /= Excluding vat)	m ²	6,740.00	6,610.00	6,800.00	6,698.00	6,908.00
Pav - 041	300mm x 600mm Glazed tile fixed to existing rendered walls and raking and pointed with tile grout to match the tiles. (Prime cost of 300mm x 600mm Ceramic wall tile [Rocell or equivalent] not less than 775.00 /= Excluding vat)	m ²	5,646.00	5,598.00	5,697.00	5,646.00	5,772.00
5.12 ROOF WORK							
Roo - 001	Roof with calicut pattern tiles laid on kempas / special upper class timber frame work for hip roof in single storey building consisting of wall plate, beam, ridge plate, rafters, reepers etc. Rate to include calicut pattern ridge tile laid on bedded, cement and sand 1:5 and pointed with cement and sand 1:3 coloured to match the colour of tiles. (Prime cost of clay tile 110.00 /=)	m ²	8,374.00	8,237.00	8,452.00	8,283.00	8,494.00
Roo - 002	Gable end roof on ...do... ...do... ...do...	m ²	7,286.00	7,160.00	7,365.00	7,205.00	7,405.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Roo - 003	Hip Roof covering with calicut pattern clay tiles in single storey building on existing timber frame work. (Prime cost of clay tile not less than 110.00 /=-)	m ²	2,167.00	2,131.00	2,183.00	2,136.00	2,188.00
Roo - 004	Gable end roof on ...do... ...do... ..do...	m ²	2,026.00	2,000.00	2,045.00	2,005.00	2,051.00
Roo - 005	Roof with corrugated asbestos sheet fixed on kempas / special upper class timber frame work in single storeyed building	m ²	5,392.00	5,357.00	5,442.00	5,329.00	5,447.00
Roo - 006	Roof with corrugated asbestos sheet (Timber frame work and ridge covering measured separately)	m ²	2,081.00	2,069.00	2,096.00	2,018.00	2,081.00
Roo - 007	Asbestos close fittings ridging fixed complete with roofing screws or bolts (Hook)	Lm	2,158.00	2,146.00	2,182.00	2,158.00	2,192.00
Roo - 008	Ridging covering with calicut pattern ridge tiles bedded in cement lime mortar 1:1:4.	Lm	1,173.00	1,108.00	1,160.00	1,088.00	1,150.00
Roo - 009	Tiles, Calicut pattern, flat supplied and laid up to 5 tiles in single storeyed buildings. (Prime cost of clay tile not less than 110.00 /=-)	No	156.00	152.00	158.00	156.00	162.00
Roo - 010	Tiles, Calicut pattern, flat supplied and laid (above 5 and up to 25 tiles) in single storeyed buildings. (Prime cost of clay tile not less than 110.00 /=-)	No	128.00	127.00	129.00	128.00	131.00
Roo - 011	Tiles, Calicut pattern flat supplied and laid in any building. (Prime cost of clay tile not less than 110.00 /=-)	m ²	1,598.00	1,588.00	1,604.00	1,598.00	1,615.00
Roo - 012	Tiles, Calicut pattern flat supplied and laid in any building. (Tiles available at site)	m ²	118.00	108.00	124.00	118.00	135.00
Roo - 013	Shifting and re - laying calicut tiles	m ²	237.00	215.00	248.00	237.00	269.00
Roo - 014	¾ "x 9" high valance board in class I fixed with brass screws to ends of rafters.	Lm	2,223.00	2,201.00	2,260.00	2,221.00	2,275.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Roo - 015	24 BWG (1.2mm) galvanised iron sheet valley gutter 3'-0" girth over all once bent with end laps not less than 9" width including ¾" tongued and grooved planks in spl upper class laid to slope and profile on timber (with wood preservative) members.	Lm	12,298.00	12,179.00	12,413.00	12,279.00	12,537.00
Roo - 016	22 BWG (1.2mm) galvanised iron sheet valley gutter 3'-0" girth over all once bent with end laps not less than 9" width including ¾" tongued and grooved planks in spl upper class laid to slope and profile on timber (with wood preservative) members.	Lm	14,266.00	14,366.00	14,599.00	14,466.00	14,724.00
Roo - 017	24 BWG (1.2mm) galvanised iron flashing 1' - 6" girth overall 3 times bent with end laps not less than 6" lead soldered turned and tucked up to not less than 6" into chase cut in wall and pointed in cement mortar 1:2 lower end dressed over roof covering not less than 1'-0" wide.	Lm	3,501.00	3,437.00	3,510.00	3,484.00	3,587.00
Roo - 018	Supplying laying sandwich panel roofing GLAMT G5 A 0.44 - 0.35/0.32mm thick Zn-Al sheet, PV - 50mm panel weight 8.06 kg/m ² with necessary fittings self-tapping fasteners etc. On galvanized iron 'C' channel purlin as per manufacturer's specification. Purlin measured separately.(Prime cost of 50mm thickness sandwich panels roof sheet with transport [Top sheet 0.47mm thick & bottom sheet 0.35mm thick] 1,300.00 /= per Sqft Excluding vat)	m ²	14,856.00	14,828.00	14,911.00	14,856.00	14,932.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Roo - 019	Zinc aluminium Coated Profiled Steel Sheets shall be roll -formed from high tensile steel sheets to AS1397 - G 550 - AZ150 or other approved international standards, Minimum yield stress 550 Mpa and coating mass 150 g/m ² . The sheeting shall have a baked paint coating of Epoxy primer/ polyester paint of Epoxy primer / PVF2 paint on the top surface and Epoxy primer/ polyester paint at the back surface. Base steel section shall be not less than 0.42 mm thick and total coated thickness not less than 0.47 mm. Type of profile selected shall be suitable for the internal and end support spacing and conform to the manufacturer's printed literature. Approved colour laid on existing frame work and fixed with self-tapping fasteners etc. (Prime cost of 0.47mm Thickness Zinc Aluminium alloy coated trimclad roof sheet 335.00 /= per Sqft Excluding vat)	m ²	4,480.00	4,455.00	4,488.00	4,480.00	4,536.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Roo - 020	Zinc aluminium Coated Profiled Steel Sheets shall be roll -formed from high tensile steel sheets to AS1397 - G 550 - AZ200 or other approved international standards, Minimum yield stress 550 Mpa and coating mass 200 g/m ² . The sheeting shall have a baked paint coating of Epoxy primer/ polyester paint of Epoxy primer / PVF2 paint on the top surface and Epoxy primer/ polyester paint at the back surface. Base steel section shall be not less than 0.42 mm thick and total coated thickness not less than 0.47 mm. Type of profile selected shall be suitable for the internal and end support spacing and conform to the manufacturer's printed literature. Approved colour laid on existing frame work and fixed with self-tapping fasteners (NO 12-14 x 55 HGS (class 4)) etc. (Prime cost of 0.47mm Thickness Zinc Aluminium alloy coated trimclad roof sheet 370.00 / = per Sqft Excluding vat)	m ²	5,260.00	5,235.00	5,268.00	5,260.00	5,316.00
Roo - 021	Supplying & laying 0.47mm thick coloured Zn-Al high tensile ridging with 150g/m ² coating mass fixed with self tapping fasteners etc.	Lm	2,710.00	2,694.00	2,716.00	2,710.00	2,748.00
Roo - 022	Supplying & laying 0.47mm thick coloured Zn-Al high tensile ridging with 200g/m ² coating mass fixed with self tapping fasteners etc.	Lm	3,125.00	3,108.00	3,130.00	3,125.00	3,163.00
Roo - 023	Supplying & fixing 0.47mm thickness, 150g/m ² coating mass Zn-Al gutter with 700 mm girth on valance board with external brackets.	Lm	4,623.00	4,604.00	4,630.00	4,623.00	4,669.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Roo - 024	Supplying & fixing 0.47mm thickness, 200g/m ² coating mass Zn-Al gutter with 610 mm girth on valance board with external brackets.	Lm	4,899.00	4,879.00	4,906.00	4,899.00	4,945.00
Roo - 025	Supplying & fixing 100 x 100mm square 0.47mm thickness, 150g/m ² coating mass Zn-Al down pipe with necessary fittings.	Lm	3,069.00	3,049.00	3,076.00	3,069.00	3,117.00
Roo - 026	Supplying & fixing 100 x 100mm square 0.47mm thickness, 200g/m ² coating mass Zn-Al down pipe with necessary fittings.	Lm	3,986.00	3,966.00	3,993.00	3,986.00	4,034.00
Roo - 027	Supplying & laying 8mm thick heat installation with 75 x 75mm weld mesh (gauge 17) under amino (Zn/Al) sheet roofing.	m ²	1,186.00	1,163.00	1,195.00	1,186.00	1,245.00
Roo - 028	Supplying & laying 5mm thick heat installation with 75 x 75mm weld mesh (gauge 17) under amino (Zn/Al) sheet roofing.	m ²	1,069.00	1,046.00	1,078.00	1,069.00	1,128.00
Roo - 029	Supplying & laying 3mm thick heat installation with 75 x 75mm weld mesh (gauge 17) under amino (Zn/Al) sheet roofing.	m ²	1,057.00	1,034.00	1,066.00	1,057.00	1,116.00
5.13 CARPENTRY AND JOINERY WORK							
Car - 001	Horizontal ceiling lining using 4'- 0"x 4'- 0" flat asbestos cement sheets fixed to timber framework with 2 coats of colourless wood preservative including 1 1/2"x 1/2" beading and 2"x2"cover mouldings on timber frame work. Comprising of 4" x 2" 1200 mm centers joists and 2" x 2" bearers 600 mm centers in kempas timber/special upper class timber.	m ²	4,828.00	4,771.00	4,909.00	4,813.00	4,936.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Car - 002	Horizontal ceiling lining using 4'- 0"x 4'- 0" flat asbestos free sheets fixed to timber framework with 2 coats of colourless wood preservative including 1 1/2"x1/2"beading and 2"x2"cover mouldings on timber frame work. Comprising of 4" x 2" 1200 mm centers joists and 2" x 2" bearers 600 mm centers in kempas timber/special upper class timber.	m ²	4,770.00	4,713.00	4,851.00	4,755.00	4,878.00
Car - 003	Horizontal ceiling lining using 4'- 0"x 4'- 0" flat asbestos free sheets fixed to timber framework with 2 coats of colourless wood preservative including aluminium beading 1" wide both ways with rubber fillets to aluminium beading on timber frame work. comprising of 4"x 2" joists 1200mm centers, 2" x 2" bearers 600mm centers and 2"x1" spacer bearers not exceeding 600mm centres to from 600 x 600mm paneling in kempas timber/special upper class timber.	m ²	6,067.00	5,984.00	6,156.00	6,032.00	6,188.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Car - 004	Supplying and Installing Super flex suspended ceiling system. The frame members for suspended ceiling are in a standard kit(approved type). Main runners (38mm) are fixed at 1220 centers, securely suspended using 4mm dia adjustable GI hanging rod with spring clips to the structural soffit or roof structure, using an appropriate suspension at 1220mm centres, cross tees (27mm) of 1220mm length to be fixed between the main runners at 610mm centers and another cross tees (27mm) fixed at mid span between 10mm to form a grid structure of 610mm x 610mm in size. Wall angles (24mm) are fixed at wall edges.	m ²	3,106.00	3,053.00	3,182.00	3,108.00	3,219.00
Car - 005	Ceiling asbestos, flat in eaves fixed with clout headed nails to 2"x 2" & 2"x 1" bearers & spacers not exceeding 2'-0" centres both ways in kempas timber/ special upper class timber including 1 1/2"x1/2"beading and 2"x2" cover moulding on timber frame work. Rate to include 2 coats of wood preservative to timbers.	m ²	3,999.00	3,925.00	4,075.00	3,973.00	4,113.00
Car - 006	Ceiling asbestos, flat in eaves fixed with clout headed nails to 2"x 2" & 2"x 1" bearers & spacers not exceeding 2'-0" centres both ways in kempas timber / special upper class timber including aluminium beading 1" wide with rubber fillets to aluminium beading. Rate to include 2 coats of wood preservative to timbers.	m ²	5,236.00	5,163.00	5,313.00	5,211.00	5,351.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Car - 007	Cove mouldings Class I timber 2 "x 2" fixed with brass screws & plugs new or renewed.	Lm	918.00	914.00	924.00	918.00	927.00
Car - 008	Ceiling, upper side cleaned and debris cleared away.	m ²	59.00	54.00	62.00	59.00	67.00
Car - 009	Timber in special upper class fixed or renewed in roof beam and post.	m ³	285,336.00	284,276.00	290,636.00	285,336.00	290,901.00
Car - 010	Reapers 2"x 1" in Spl upper class timber supplied & fixed new / renewed with iron nails, up to 100 L.ft (shifting of iles paid for separately).	Lm	310.00	291.00	314.00	293.00	315.00
Car - 011	Reapers 2"x 1" in Spl upper class timber supplied & fixed new / renewed with iron nails, over 100 L.ft (shifting of tiles paid for separately).	Lm	301.00	282.00	303.00	283.00	304.00
Car - 012	Door single hung with frame having 1 1/8" to 1 1/4" thick glazed / panelled sash 3 3/4"x 2 3/4" timber frame in Special upper class timber. Complete with heavy quality brass fittings. [Lock paid separately]	m ²	29,220.00	28,977.00	30,275.00	29,225.00	30,375.00
Car - 013	Door double hung with frame having 1 1/8" to 1 1/4" thick glazed / panelled sash 3 3/4"x 2 3/4" timber frame in Special upper class timber. Complete with heavy quality brass fittings. [Lock paid separately]	m ²	29,275.00	29,058.00	30,286.00	29,279.00	30,375.00
Car - 014	Plywood door single hung with frame having 1 1/4" thick sash 3 3/4"x 2 3/4" timber frame in Special upper class timber. Complete with heavy quality brass fittings. [Lock paid separately]	m ²	18,393.00	18,528.00	18,886.00	18,397.00	18,934.00
Car - 015	Supplying and fixing Seal core wood composite door with frame fixed with fittings and necessary locking arrangements.	m ²	16,914.00	16,827.00	17,088.00	16,914.00	17,153.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Car - 016	Door / window ledged braced and battened single hung with frame having ¾" to 7/8" thick tongued and grooved planks in Special upper class timber and 3 ¾"x 2 ¾" timber frame in Special upper class timber. Complete with heavy quality brass fittings. [Lock paid separately]	m ²	31,172.00	30,964.00	31,838.00	31,179.00	31,926.00
Car - 017	Window glazed 1¼" thick openable sashes with 3 ¾"x 2 ¾" timber frame and mullions in Special upper class timber. Complete with heavy quality brass fittings.	m ²	29,044.00	28,851.00	30,103.00	29,064.00	30,239.00
Car - 018	1/8" glass panes exceeding 1'- 00" but not exceeding 4 square feet cut and fixed with timber beadings to doors and windows.	m ²	6,755.00	6,635.00	6,958.00	6,898.00	7,191.00
Car - 019	Door or window, removing easing and re-fixing.	Sash	881.00	844.00	956.00	881.00	984.00
Car - 020	Door or window, easing only.	Sash	313.00	313.00	350.00	313.00	344.00
Car - 021	Door or window frames renewed in short lengths with special upper class timber.	m ³	438,383.00	438,383.00	454,947.00	438,383.00	452,187.00
Car - 022	Door or window sashes available fixed in position (fittings paid separately)	Sash	1,763.00	1,688.00	1,913.00	1,763.00	1,969.00
Car - 023	Door sashes swing, removed and re-fixed in new position.	Sash	1,175.00	1,125.00	1,275.00	1,175.00	1,313.00
Car - 024	Door frame 4"x 3" in special upper class timber supplied and fixed in position.	m ²	12,720.00	12,538.00	13,052.00	12,720.00	13,157.00
5.14 BRASS FOUNDER							
Bra - 001	Bolts barrel, brass, polished, 4" heavy quality supplied and fixed with brass screws.	No	940.00	928.00	965.00	940.00	975.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Bra - 002	Bolts barrel, brass, polished, 6" heavy quality supplied and fixed with brass screws.	No	1,150.00	1,138.00	1,175.00	1,150.00	1,185.00
Bra - 003	Skelton bolt, brass, polished, 12" heavy quality supplied and fixed with brass screws.	No	3,865.00	3,852.00	3,890.00	3,865.00	3,899.00
Bra - 004	Casement fastener brass with mortice plate, polished heavy quality supplied and fixed with brass screws.	No	1,270.00	1,253.00	1,303.00	1,270.00	1,316.00
Bra - 005	Casement stays, polished 10" heavy quality supplied and fixed.	No	772.00	760.00	797.00	772.00	806.00
Bra - 006	Fanlight catches brass heavy quality with brass screws fixed complete.	No	790.00	773.00	823.00	790.00	836.00
Bra - 007	Hinges brass 4" x 3" heavy quality supplied & fixed with brass screws complete.	No	2,146.00	2,129.00	2,179.00	2,146.00	2,192.00
Bra - 008	Hinges center pivot (consisting of 2 pieces) brass polished heavy quality supplied and fixed with brass screws complete.	Set	852.00	840.00	877.00	897.00	887.00
Bra - 009	Draw Rings, brass 1 ¾" to 1½" supplied and fixed to doors & windows with brass screws.	No	312.00	318.00	330.00	322.00	334.00
Bra - 010	Rim lock with chromium plated handle. (Prime cost of Rim lock with screws & handle not less than 4,800.00 /= Per No)	No	5,975.00	5,925.00	6,075.00	5,975.00	6,113.00
Bra - 011	Mortice lock [Single lever] with handle. (Prime cost of Mortice lock with screws & handle not less than 2,750.00 /= Per No)	No	5,100.00	5,000.00	5,300.00	5,100.00	5,375.00
Bra - 012	Mortise lock [Single lever] with handle. (Prime cost of Mortice lock with screws & handle not less than 6,000.00 /= Per No)	No	8,350.00	8,250.00	8,550.00	8,350.00	8,625.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
5.15METAL WORK							
Met - 001	Supplying and fixing 100mm x 50mm x (12-20)mm size, 2mm thick G.I "C" purlin fixed to wall at not exceeding 900mm centres and joints should be bolted with 2 Nos 12mm dia bolts and nuts other side welding with cleats minimum length 450mm	Lm	2,435.00	2,431.00	2,437.00	2,435.00	2,447.00
Met - 002	Supplying and fixing 100mm x 50mm x (12-20)mm size, 2mm thick G.I Zinc Coated and Chromate Passivated "C" purlin fixed to wall at not exceeding 900mm centers and joints should be bolted with 2 Nos 12mm dia bolts and nuts other side welding with cleats minimum length 450mm	Lm	2,435.00	2,431.00	2,437.00	2,435.00	2,447.00
Met - 003	Supplying and fixing 150mm x 65mm x (14-20)mm size, 2mm thick G.I "C" purlin fixed to wall at not exceeding 900mm centres and joints should be bolted with 2 Nos 12mm dia bolts and nuts other side welding with cleats minimum length 450mm	Lm	3,326.00	3,321.00	3,328.00	3,326.00	3,338.00
Met - 004	Supplying and fixing 150mm x 65mm x (14-20)mm size, 2mm thick G.I Zinc Coated and Chromate Passivated "C" purlin fixed to wall at not exceeding 900mm centres and joints should be bolted with 2 Nos 12mm dia bolts and nuts other side welding with cleats minimum length 450mm	Lm	3,326.00	3,321.00	3,328.00	3,326.00	3,338.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Met - 005	Supplying and fixing 50mm x 50mm x 6mm thick Angle iron purlin fixed to wall with necessary steel anchoring and concrete at not exceeding 900mm centres and joints should be bolted with 2 Nos 12mm dia bolts and nuts other side welding with cleats minimum length 225mm in next reduced angle iron including two coats of Anticorrosive paint and 2 coats of enamel paint as directed.	Lm	1,933.00	1,918.00	1,933.00	1,930.00	1,966.00
Met - 006	Supplying and fixing 63mm x 63mm x 6mm thick Angle iron purlin fixed to wall with necessary steel anchoring and concrete at not exceeding 900mm centers and joints should be bolted with 2 Nos 12mm dia bolts and nuts other side welding with cleats minimum length 225mm in next reduced angle iron including two coats of Anticorrosive paint and 2 coats of enamel paint. directed.	Lm	2,508.00	2,492.00	2,508.00	2,506.00	2,548.00
Met - 007	End Truss - 2/50mm x 50mm x 6mm including 1:2:4(20mm) concreting 2 Nos 12mm dia steel rod 225mm long welded to end truss with 2 coats of anticorrosive paint and 2 coats of enamel paint.	Lm	4,782.00	4,704.00	4,771.00	4,757.00	4,897.00
Met - 008	End Truss - 2/63mm x 63mm x 6mm including 1:2:4(20mm) concreting 2 Nos 12mm dia steel rod 225mm long welded to end truss with 2 coats of anticorrosive paint and 2 coats of enamel paint.	Lm	5,775.00	5,697.00	5,764.00	5,750.00	5,890.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Met - 009	25mm x 6mm, Flat iron 1' - 0" long weld to end purlin as bracket to fix valance board with two coats of anticorrosive paint and 2 coats of enamel paint and bolt & nut.	No	135.00	132.00	134.00	134.00	145.00
Met - 010	50mm x 6mm, Flat iron 1' - 0" long weld to end purlin as bracket to fix valance board with two coats of anticorrosive paint and 2 coats of enamel paint and bolt & nut.	No	235.00	270.00	257.00	265.00	239.00
Met - 011	M.S Bar 5/8" dia (16mm) supplied & fixed in window frame at 4" crs. & Painted with 1 coat red lead & 2 coats of enamel paint.	Lm	621.00	614.00	631.00	621.00	644.00
Met - 012	Iron grill supplied & fixed to safety of window with 16mm x 5.5mm flat iron & 12mm x 5.5mm flat iron uprights welded at 75mm c/c & horizontally welded at 150mm c/c. Rates including for single coat of anticorrosive paint & 2 coats of enamel paint.	m ²	10,395.00	10,283.00	10,400.00	10,375.00	10,727.00
Met - 013	B.R.C Weld mesh gauge 10, fixed to existing frames with staples (fillets and beading paid for separately).	m ²	2,209.00	2,153.00	2,265.00	2,209.00	2,349.00
Met - 014	B.R.C Weld mesh gauge 10 supplied & fixed to window frames with 2"x ½" Spl upper class timber beading & painting weldmesh with 1coat Red Lead & 2 coats anticorrosive paint, & beading with primer, undercoat & 2 coats oil paint to approved tint, Rate to include for making openings for bolts, casement stays etc.	m ²	6,704.00	6,514.00	6,861.00	6,614.00	7,108.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Met - 015	B.R.C ½" x ½" Chicken mesh supplied & fixed to window frames with 2"x ½" Spl upper class timber beading & painting weldmesh with 1coat Red Lead & 2 coats anticorrosive paint, & beading with primer, undercoat & 2 coats oil paint to approved tint, Rate to include for making openings for bolts, casement stays etc.	m ²	6,510.00	6,320.00	6,667.00	6,420.00	6,914.00
Met - 016	Mild steel roof truss 9.00m span centre to centre for Zn-Al roof and eaves extended both side upto 1050mm, Consisting of 2Nos. 63mmx63mmx6mm thick angles as top and bottom chords, 2Nos. 50mmx50mmx6mm thick angles as struts, 1No. 50mmx50mmx6mm thick angles as ties, 10mm thick gusset plates, base plates & sole plates, mild steel rag bolt, cleats not less than the size of purlin etc. & all details as per the drawing (Project No: S 1363/J, Sheet 01/05). Rate include for fabricating and application of two coats of anticorrosive paint and two coats of enamel paint as directed (matt finish), transporting, hoisting, fixing in position.	No	241,297.00	239,517.00	246,342.00	244,717.00	248,392.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Met - 017	Mild steel roof truss 7.50m span centre to centre for Zn-Al sheet and eaves extended both side upto 1050mm, Consisting of 2Nos. 50mmx50mmx6mm thick angles as top and bottom chords, 1No. 50mmx50mmx6mm thick angles as struts & ties, 10mm thick gusset plates, base plates & sole plates, mild steel rag bolt, cleats not less than the size of purlin etc. & all details as per the drawing (Project No: S 1363/J, Sheet 02/05). Rate include for fabricating and application of two coats of and anticorrosive paint and two coats of enamel paint as directed (matt finish), transporting, hoisting, fixing in position.	No	145,907.00	144,590.00	149,563.00	148,363.00	150,703.00
Met - 018	Mild steel roof truss 7.50m span centre to centre for calicut tile roof, Consisting of 2Nos. 50mmx50mmx6mm thick angles as top and bottom chords, 1No. 50mmx50mmx6mm thick angles as struts & ties, 10mm thick gusset plates, base plates & sole plates, mild steel rag bolt, cleats not less than the size of purlin etc. & all details as per the drawing (Project No: S 1363/J, Sheet 03/05). Rate include for fabricating and application of two coats of and anticorrosive paint and two coats of enamel paint as directed (matt finish), transporting, hoisting, fixing in position.	No	142,761.00	141,445.00	146,417.00	145,217.00	147,557.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
	5.16 PLASTERE						
Pla - 001	¾" thick DPC in cement sand 1:2 finished with 2 coats hot tar.	m ²	1,799.00	1,631.00	1,775.00	1,702.00	1,831.00
Pla - 002	5/8" thick plastering to wall in lime and sand 2:5 including floating with lime putty.	m ²	1,417.00	1,307.00	1,410.00	1,278.00	1,450.00
Pla - 003	5/8" thick plastering to wall in cement and sand 1:3 including cement floating.	m ²	1,076.00	982.00	1,074.00	1,023.00	1,108.00
Pla - 004	3/8" thick plastering to soffit of slab in cement and sand 1:3 including floating with lime putty.	m ²	1,666.00	1,551.00	1,723.00	1,603.00	1,768.00
Pla - 005	3/8" thick plastering to soffit of slab in cement and sand 1:3.	m ²	1,599.00	1,484.00	1,656.00	1,545.00	1,701.00
Pla - 006	3/8" thick plastering to side and soffit of beams in cement and sand 1:3 including floating with lime putty.	m ²	1,413.00	1,309.00	1,448.00	1,350.00	1,486.00
Pla - 007	3/8" thick plastering to side and soffit of beams in cement and sand 1:3.	m ²	1,346.00	1,242.00	1,381.00	1,292.00	1,419.00
Pla - 008	5/8" thick plastering to wall in lime, cement and sand 1:1:5 finished semi rough with wooden float.	m ²	1,086.00	987.00	1,074.00	1,000.00	1,103.00
Pla - 009	5/8" thick plastering to wall in lime, cement and sand 1:1:5 finished smooth with lime putty floating.	m ²	1,369.00	1,263.00	1,374.00	1,270.00	1,406.00
Pla - 010	5/8" thick plastering to wall in cement and sand 1:4 finished smooth.	m ²	963.00	867.00	952.00	909.00	987.00
Pla - 011	5/8" thick plastering to wall in cement and sand 1:3 to internal and external wall.	m ²	1,029.00	933.00	1,017.00	974.00	1,053.00
Pla - 012	½" thick rendering in cement and sand 1:3 finished smooth.	m ²	1,032.00	945.00	1,044.00	990.00	1,082.00
Pla - 013	½" thick rendering in cement and sand 1:2 in floors finished smooth.	m ²	1,153.00	1,066.00	1,165.00	1,111.00	1,203.00
Pla - 014	½" thick rendering in cement and sand 1:2 in coloured cement floors finished smooth.	m ²	1,253.00	1,166.00	1,264.00	1,211.00	1,303.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Pla - 015	¾" thick rendering in cement and sand 1:3 in floors finished smooth.	m ²	1,432.00	1,304.00	1,433.00	1,364.00	1,483.00
Pla - 016	¾" thick rendering in cement and sand 1:2 in floors finished smooth.	m ²	1,535.00	1,406.00	1,535.00	1,467.00	1,586.00
Pla - 017	¾" thick rendering in cement and sand 1:2 in coloured cement floors finished smooth.	m ²	1,634.00	1,506.00	1,635.00	1,566.00	1,686.00
Pla - 018	½" x 6" skirting in cement & sand 1:3 projected or flush to walls finished with colour floating including forming groove.	Lm	633.00	604.00	673.00	626.00	689.00
Pla - 019	½" x 4" skirting in cement & sand 1:3 projected or flush to walls finished with colour floating including forming groove.	Lm	364.00	350.00	388.00	359.00	393.00
Pla - 020	½" x 4" skirting in cement & sand 1:3 projected or flush to walls finished with floating including forming groove.	Lm	354.00	340.00	378.00	349.00	382.00
Pla - 021	Plaster bands laid over tiles 4" to 6" wide on roof in cement, sand and lime mortar 1:1:4.	Lm	338.00	310.00	341.00	320.00	354.00
Pla - 022	Reveal plastering wide in 1:3, 5/8" thick not exceeding 6" wide.	Lm	261.00	244.00	270.00	253.00	277.00
Pla - 023	Cover moulding 2 ½" x 2 ½" in cement mortar 1:2 built in existing wall.	Lm	477.00	451.00	502.00	469.00	515.00
Pla - 024	¾" thick rendering in cement and sand 1:2 with pudlo cement.	m ²	1,579.00	1,458.00	1,577.00	1,517.00	1,629.00
5.17 WATER PROOFING							
Wat - 001	Supplying and laying 1000 gauge polythene on compacted earth area.	m ²	136.00	130.00	144.00	148.00	157.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Wat - 002	Supplying and applying 2 coats of Masterseal 540 water proofing system strictly according to manufacturer's specifications. Reinforced all vertical / horizontal intersections with Glasscoat 60 in a strip 200mm wide, cure the application for 2day and check for water tightness. Rate including cement and sand rendering / plastering 1:3 in two times for brick/ cement sand block wall.	m ²	5,471.00	5,265.00	5,505.00	5,387.00	5,646.00
Wat - 003	Prepare the concrete surface and applying 2 coats of Masterseal 540 water proofing membrane according to the manufacturers' specifications. Reinforced all vertical / horizontal intersections with Glascoat 60 in a strip 200 mm wide , cure the application for 2 days and check for water tightness. Rate to include for 12 mm thick cement sand rendering 1:2 for toilet floor and sunshade.	m ²	4,937.00	4,824.00	4,988.00	4,896.00	5,081.00
5.18 PAINTER AND DECORATOR							
Pai - 001	Prepare and apply of preservative (oil type) to structural timber including touching up cut ends etc. after fixing.	m ²	561.00	543.00	573.00	561.00	622.00
Pai - 002	Prepare surface of steel truss and apply two coats of anticorrosive primer.	m ²	1,478.00	1,410.00	1,480.00	1,464.00	1,577.00
Pai - 003	Apply one coat of anticorrosive primer and two coats of enamel paint on already shop primed and erected steel roof truss.	m ²	1,832.00	1,776.00	1,836.00	1,825.00	1,965.00
Pai - 004	Prepare and apply two coats of primer and finishing coat of enamel paint to mild steel [Angle / flat] gate.	m ²	1,993.00	1,925.00	1,989.00	1,973.00	2,065.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Pai - 005	Painting steel on new work with 2 coats of anticorrosive paint.	m ²	542.00	526.00	538.00	538.00	586.00
Pai - 006	Painting steel work, 1 coat, with anticorrosive paint including removing scarce and wire brushing. (Old work)	m ²	401.00	390.00	397.00	397.00	423.00
Pai - 007	Painting new timber work with 2 coats of wood preservative .	m ²	327.00	322.00	332.00	327.00	358.00
Pai - 008	Preparing and painting wood work with primer and 2 coats of enamel paint.	m ²	1,372.00	1,345.00	1,378.00	1,372.00	1,453.00
Pai - 009	Painting new wood work with approved wood primer 1 coat.	m ²	439.00	433.00	439.00	439.00	466.00
Pai - 010	Painting, enamel paint including washing cleaning & smoothing down with sandpaper, 1 coat. (Old work)	m ²	457.00	450.00	457.00	457.00	484.00
Pai - 011	Painting, enamel paint including washing cleaning & smoothing down with sandpaper, 2 coats. (Old work)	m ²	870.00	858.00	870.00	870.00	919.00
Pai - 012	White or colour washing two coats of in single storeyed buildings, including patching and preparing surface.	m ²	94.00	91.00	95.00	94.00	102.00
Pai - 013	Painting walls with internal primer to internal walls.	m ²	219.00	212.00	216.00	216.00	233.00
Pai - 014	Painting walls with external primer to external walls.	m ²	308.00	302.00	306.00	306.00	322.00
Pai - 015	Prepare and apply one coat of internal primer and two coats of emulsion paint to walls.	m ²	941.00	925.00	938.00	938.00	992.00
Pai - 016	Prepare and apply one coat of internal primer and two coats of emulsion paint to soffit of slab.	m ²	1,023.00	1,004.00	1,020.00	1,020.00	1,085.00
Pai - 017	Painting walls with emulsion paint, 2coats including preparing surface of old work.	m ²	668.00	658.00	666.00	666.00	699.00
Pai - 018	Painting walls with emulsion paint, 1coat including preparing surface of old work.	m ²	356.00	350.00	354.00	354.00	370.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Pai - 019	Prepare and apply one coat of external primer and two coats of whether shield emulsion paint to external walls.	m ²	1,084.00	1,069.00	1,081.00	1,081.00	1,129.00
Pai - 020	Painting walls with weather shield emulsion paint, 2coats including preparing surface of old work.	m ²	762.00	752.00	760.00	760.00	793.00
Pai - 021	Painting walls with weather shield emulsion paint, 1coat including preparing surface of old work.	m ²	407.00	401.00	405.00	405.00	421.00
Pai - 022	Cement washing to walls of single storeyed buildings 2coats	m ²	130.00	123.00	132.00	129.00	144.00
Pai - 023	Varnishing 2 coats with copal varnish after sand papering .	m ²	723.00	707.00	728.00	723.00	761.00
Pai - 024	Preparing and applying floor polish.	m ²	330.00	324.00	330.00	330.00	354.00
Pai - 025	Painting, epoxy floor paint including washing cleaning & smoothing down 1 coat.	m ²	637.00	631.00	637.00	637.00	661.00
Pai - 026	Painting, epoxy floor paint including washing cleaning & smoothing down 2 coats.	m ²	1,256.00	1,244.00	1,256.00	1,256.00	1,304.00
Pai - 027	Ceiling painting, 2 coats of emulsion painting for ceiling.	m ²	837.00	811.00	842.00	834.00	887.00
Pai - 028	Ceiling painting, 1 coat of emulsion painting for ceiling.	m ²	462.00	446.00	463.00	459.00	488.00
Pai - 029	Prepare and apply skim coat for internal walls including finished smooth as directed.	m ²	441.00	425.00	447.00	441.00	479.00
5.19 PLUMBING AND DRAINAGE WORK							
Plu - 001	Wash Basin with pedestal 575mm x 450mm size, chromium plated pillar tap, waste plug and angle valve supplied & fixed complete.(Prime cost not less than for Wash basin with pedestal 21,566.00 /= & Chromium plated pillar tap 7,300.00 /= Excluding vat)	No	34,518.00	34,243.00	34,693.00	34,518.00	35,181.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Plu - 002	Wash Basin with pedestal 575mm x 450mm size, chromium plated pillar tap, waste plug and angle valve supplied & fixed complete.(Prime cost not less than for Wash basin with pedestal 21,652.00 /= & Chromium plated pillar tap 2" 7,300.00 /= Excluding vat)	No	34,606.00	34,331.00	34,781.00	34,606.00	35,269.00
Plu - 003	Closet, pedestal approved type with low level glazed, earthenware flushing cistern, flush pipe, double plastic seat cover, ½" stopcock, trap etc. Supplied & fixed complete. (Prime cost not less than for Low level closet, tank & seat cover 40,871.00 /= Excluding vat)	No	48,533.00	48,233.00	48,708.00	48,533.00	49,296.00
Plu - 004	Closet, pedestal approved type with low level glazed, earthenware flushing cistern, flush pipe, double plastic seat cover, ½" stopcock, trap etc. Supplied & fixed complete. (Prime cost not less than for Low level closet, tank & seat cover 48,697.00 /= Excluding vat)	No	56,516.00	56,216.00	56,691.00	56,516.00	57,278.00
Plu - 005	Sink, glazed, earthenware 24"x 15"x 7" supplied approved quality and fixed with waste plug complete. (Prime cost not less than for ceramic lab sink with waste plug and chain 30,435.00 /= Excluding vat)	No	33,644.00	33,494.00	33,694.00	33,644.00	33,994.00
Plu - 006	Closet squatting type, large with trap supplied & fixed. (Prime cost not less than for Squatting pan [large] with foot rest & trap 9,217.00 /= Excluding vat)	No	15,514.00	15,214.00	15,614.00	15,514.00	16,214.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Plu - 007	Vitreous bidet suite fixed complete to working order. (Prime cost of Bidet not less than 19,500.00 /= Excluding vat)	No	25,090.00	24,790.00	25,190.00	25,090.00	25,790.00
Plu - 008	1 No. Bowl type Urinal with flush valve & bottle trap complete to working orders. (Prime cost not less than for Urinal bowls 34,522.00 /= Flush valve 10,870.00 /= Excluding vat)	No	54,058.00	53,758.00	54,233.00	54,058.00	54,820.00
Plu - 009	Bowl type urinal with trap. (Prime cost of Urinal bowl not less than 34,522.00 /= Excluding vat)	No	37,652.00	37,615.00	37,665.00	37,652.00	37,740.00
Plu - 010	Supplied and fixed Ceramic urinal separater (Prime cost of urinal separater not less than 25,400.00 /= per No Excluding vat)	No	26,242.00	26,205.00	26,255.00	26,242.00	26,330.00
Plu - 011	Supplied and fixed single board stainless steel kitchen sink with chromium plated swan neck tap and bottle trap. (Prime cost not less than for Stainless steel kitchen sink 20,957.00 /= & Chromium plated swan neck tap 5,650.00 /= Excluding vat)	No	32,576.00	32,426.00	32,926.00	32,776.00	32,976.00
Plu - 012	Flushing cistern, low level, plastic supplied and fixed complete.	No	9,230.00	9,080.00	9,280.00	9,230.00	9,580.00
Plu - 013	Flushing cistern, high level, plastic supplied and fixed complete.	No	11,270.00	11,120.00	11,320.00	11,270.00	11,620.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Plu - 014	Supplying and fixing Disable person toilet fittings imported. All complete as directed. (Prime cost not less than for Disable person closet, cistern & seat cover 185,000.00/=, wash basin 85,000.00 / =, Elbow action basin tap 16,500.00/=, ½"dia Bidet shower 2,700.00 / =, 70 S - 1060 grab rail 95,000.00 / =, 70 S - 1010 grab rail 57,500.00 / =, 70 S - 1030 grab rail 87,000.00 / =, 70 S - 1070 paper holder 32,000.00 / = & 1¼" dia Waste 2,500.00 / = Excluding vat)	No	590,948.00	590,298.00	591,451.00	591,150.00	592,399.00
Plu - 015	Mirror, bathroom type, supplied & fixed to wall with rawl plugs. (Prime cost of Mirror with fittings - Flat model not less than 4,800.00 / = Excluding vat)	No	5,084.00	5,077.00	5,084.00	5,084.00	5,109.00
Plu - 016	Towel rail 600mm long ¾" dia chromium plated. (Prime cost of 600mm Long Chromium plated towel rail not less than 11,914.00 / = Excluding vat)	No	12,527.00	12,515.00	12,527.00	12,527.00	12,577.00
Plu - 017	Soap tray, plastic, supplied & fixed to wall with rawl plugs.	No	1,140.00	1,128.00	1,140.00	1,140.00	1,190.00
Plu - 018	Tooth brush holder, chromium plated supplied & fixed to wall with rawl plugs.(Prime cost of Chromium plated Tooth brush holder not less than 5,600.00/= Excluding vat)	No	6,087.00	6,075.00	6,087.00	6,087.00	6,137.00
Plu - 019	Supply and fixing 3" size adjustable Shower rose, chromium plated (Prime cost of Chromium plated jet shower rose not less than 2,550.00 / = Excluding vat)	No	2,764.00	2,754.00	2,767.00	2,764.00	2,785.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Plu - 020	Supply and fixing 8" square head adjustable rain shower, chromium plated (Prime cost of Chromium plated rain shower not less than 11,740.00/= Excluding vat)	No	12,137.00	12,128.00	12,140.00	12,137.00	12,159.00
Plu - 021	Supplied and fixed plastic Bidet Shower. (Prime cost of plastic bidet shower not less than 2,000.00/= Excluding vat)	No	2,203.00	2,193.00	2,206.00	2,203.00	2,224.00
Plu - 022	Brass Bib Tap ½" [English] Pegler	No	3,685.00	3,672.00	3,689.00	3,685.00	3,714.00
Plu - 023	Brass Bib Tap ¾" [English] Pegler	No	4,195.00	4,182.00	4,199.00	4,195.00	4,224.00
Plu - 024	Chromium plated [plumber] tap ¾" supplied & fixed. (Prime cost of ¾" dia Chromium plated bib tap not less than 4,421.00 / = Excluding vat)	No	4,726.00	4,714.00	4,730.00	4,726.00	4,755.00
Plu - 025	Plastic tap ¾" supplied & fixed.	No	1,186.00	1,173.00	1,190.00	1,186.00	1,215.00
Plu - 026	Ball Cocks, plastic ½" supplied & fixed.	No	784.00	765.00	790.00	784.00	828.00
Plu - 027	Ball Cocks, plastic ¾" supplied & fixed.	No	1,049.00	1,030.00	1,055.00	1,049.00	1,093.00
Plu - 028	Ball Cocks, plastic 1" supplied & fixed.	No	1,243.00	1,224.00	1,249.00	1,243.00	1,287.00
Plu - 029	Ball Cocks, plastic 1 ¼" supplied & fixed.	No	1,753.00	1,734.00	1,759.00	1,753.00	1,797.00
Plu - 030	Ball Cocks, plastic 1 ½" supplied & fixed.	No	2,161.00	2,142.00	2,167.00	2,161.00	2,205.00
Plu - 031	Ball Cocks, plastic 2" supplied & fixed.	No	3,191.00	3,172.00	3,197.00	3,191.00	3,235.00
Plu - 032	Brass Gate Valve 1 ¼" supplied and fixed [English type]. (Prime cost of 1¼"dia Brass gate valve not less than 10,000.00/= Excluding vat)	No	10,963.00	10,940.00	10,971.00	10,963.00	11,018.00
Plu - 033	Brass Gate Valve 2" supplied and fixed [English type]. (Prime cost of 2" dia Brass gate valve not less than 20,000.00/= Excluding vat)	No	21,479.00	21,456.00	21,487.00	21,479.00	21,534.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Plu - 034	Pipes pvc ½" dia. supplied & fixed.(20mm dia) Type PNT14	Lm	211.00	209.00	212.00	211.00	217.00
Plu - 035	Pipes pvc ¾" dia. supplied & fixed. (25mm dia) Type PNT11	Lm	423.00	420.00	423.00	423.00	428.00
Plu - 036	Pipes pvc 1" dia. supplied & fixed. (32mm dia) Type PNT11	Lm	570.00	567.00	572.00	570.00	579.00
Plu - 037	Pipes pvc 1¼" dia. supplied & fixed Type PNT11 with excavation & back filling. [40mm]	Lm	1,007.00	988.00	1,016.00	1,007.00	1,041.00
Plu - 038	Pipes pvc 1¼" dia. supplied & fixed PNT9 with excavation & back filling. [40mm]	Lm	796.00	777.00	805.00	796.00	830.00
Plu - 039	Pipes pvc 1¼" dia. supplied & fixed Type PNT11 without excavation. [40mm]	Lm	845.00	840.00	847.00	845.00	857.00
Plu - 040	Pipes pvc 1¼" dia. supplied & fixed Type PNT9 without excavation. [40mm]	Lm	634.00	629.00	636.00	634.00	646.00
Plu - 041	Pipes pvc 1½" dia. supplied & fixed Type PNT11 with excavation & back filling. [50mm]	Lm	1,430.00	1,410.00	1,439.00	1,430.00	1,463.00
Plu - 042	Pipes pvc 1½" dia. supplied & fixed Type PNT9 with excavation & back filling. [50mm]	Lm	1,240.00	1,220.00	1,249.00	1,240.00	1,273.00
Plu - 043	Pipes pvc 1½" dia. supplied & fixed Type PNT11 without excavation. [50mm]	Lm	1,267.00	1,262.00	1,269.00	1,267.00	1,279.00
Plu - 044	Pipes pvc 1½" dia. supplied & fixed Type PNT9 without excavation. [50mm]	Lm	1,077.00	1,072.00	1,079.00	1,077.00	1,089.00
Plu - 045	Pipes pvc 2" dia. supplied & fixed Type PNT11 with excavation & back filling. [63mm]	Lm	2,126.00	2,105.00	2,136.00	2,126.00	2,163.00
Plu - 046	Pipes pvc 2" dia. supplied & fixed Type PNT9 with excavation & back filling. [63mm]	Lm	1,789.00	1,768.00	1,798.00	1,789.00	1,825.00
Plu - 047	Pipes pvc 2" dia. supplied & fixed Type PNT11 without excavation. [63mm]	Lm	1,964.00	1,958.00	1,966.00	1,964.00	1,978.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Plu - 048	Pipes pvc 2" dia. supplied & fixed Type PNT9 without excavation. [63mm]	Lm	1,626.00	1,620.00	1,628.00	1,626.00	1,641.00
Plu - 049	Supply and fix approved manufactures fiber glass PE+ (Slon or equivalent) 500 liter water tank approved type by Engineer [double layer]. (Prime cost of 500 lit water tank not less than 7,000.00 /= Excluding vat)	No	8,410.00	13,112.00	13,237.00	13,200.00	13,362.00
Plu - 050	Supply and fix approved manufactures fiber glass PE+ (Slon or equivalent) 1000 liter water tank approved type by Engineer (double layer). (Prime cost of 1000 lit water tank not less than 8,000.00 /= Excluding vat)	No	9,440.00	9,353.00	9,478.00	9,440.00	9,603.00
Plu - 051	Supply and fix approved manufactures fiber glass PE+ (Slon or equivalent) 2000 liter water tank approved type by Engineer (double layer). (Prime cost of 2000 lit water tank not less than 25,500.00 /= Excluding vat)	No	27,465.00	27,378.00	27,503.00	27,465.00	27,628.00
Plu - 052	Supply and fix approved manufactures fiber glass (Slon or equivalent) 550 liter water tank approved type by Engineer [Triple layer]. (Prime cost of 550 lit water tank not less than 11,650.00 /= Excluding vat)	No	13,200.00	13,112.00	13,237.00	13,200.00	13,362.00
Plu - 053	Supply and fix approved manufactures fiber glass (Slon or equivalent) 1100 liter water tank approved type by Engineer (Triple layer). (Prime cost of 1100 lit water tank not less than 25,500.00 /= Excluding vat)	No	27,465.00	27,378.00	27,503.00	27,465.00	27,628.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Plu - 054	Supply and fix approved manufactures fiber glass PE+ (Slon or equivalent) 2200 liter water tank approved type by Engineer (Triple layer). (Prime cost of 2200 lit water tank not less than 54,000.00 /= Excluding vat)	No	56,820.00	56,733.00	56,858.00	56,820.00	56,983.00
Plu - 055	Eaves gutters 4" square type pvc fixed with aluminium brackets.	Lm	1,402.00	1,382.00	1,399.00	1,392.00	1,416.00
Plu - 056	Down pipe 3½" (88mm) Pvc fixed with wooden plugs to wall etc.	Lm	1,178.00	1,151.00	1,188.00	1,168.00	1,211.00
Plu - 057	Drains, pvc type PNT7 4" laid on cement concrete 6" thick up to 2'-0" depth of invert including excavation & cement concrete hunching (1:3:6 - 1" metal).	Lm	4,496.00	4,228.00	4,355.00	4,306.00	4,421.00
Plu - 058	Drains, pvc type PNT9 4" supplied and fixed	Lm	2,502.00	2,500.00	2,507.00	2,508.00	2,520.00
Plu - 059	Drains, pvc type PNT7 4" supplied and fixed	Lm	2,059.00	2,057.00	2,064.00	2,066.00	2,077.00
Plu - 060	Gulley pvc 6" supplied & fixed including gulley box.	No	4,902.00	4,552.00	4,682.00	4,549.00	4,673.00
Plu - 061	Wire Dome 2" Supplied & fixed	No	594.00	591.00	594.00	594.00	606.00
Plu - 062	Manhole 2' x 2' & up to 2'-0" deep, 5" thick block in cement sand 1:3 walls & cement rendered ½" (1:2) with 6" cement conc.foundation 1:3:6 (1" metal) including forming channels but without cover.	No	21,159.00	17,184.00	18,344.00	18,374.00	18,764.00
Plu - 063	Manhole 3'- 6" x 2'- 3" & 2'-0" to 4'-00" deep, 5" thick block in cement sand 1:3 walls & cement rendered ½" (1:2) with 6" cement conc.foundation 1:3:6 (1" metal) including forming channels but without cover.	No	36,367.00	28,950.00	30,790.00	31,118.00	31,468.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Plu - 064	Manhole cover reinforced concrete 3" thick 2'- 00"x 2'- 00" approx. supplied & fixed reinforced with 1/4" dia M.S.rods at 3" centres both ways.	m ²	7,351.00	7,006.00	7,413.00	7,136.00	7,539.00
Plu - 065	Chamber 9" x 9" & up to 9" deep, 3" thick 1:3:6 (1") cement conc walls & cement rendered ½" (1:2) with 3" cement conc. foundation in 1:3:6 (1") with cover.	No	5,067.00	4,554.00	4,804.00	4,616.00	4,807.00
Plu - 066	Chamber 1'- 00" x 1'- 00" & up to 1'- 00" deep, 3" thick 1:3:6 (1") cement conc walls & cement rendered ½" (1:2) with 3" cement conc. foundation in 1:3:6 (1") with cover.	No	5,273.00	4,591.00	4,906.00	4,661.00	4,896.00
Plu - 067	Angle valve, chromium plated ½" supplied & fixed.	No	2,467.00	2,448.00	2,473.00	2,467.00	2,511.00
5.20 ELECTRICAL INSTALLATION							
Ele - 001	MCCB 40 Amp 4 pole, with four way metal enclosure , etc. (Prime cost of MCCB 40 Amp 4 pole [Orange, Schnieder or equivalent] 30,800.00 / =)	No	43,338.00	43,038.00	43,438.00	43,338.00	44,038.00
Ele - 002	MCCB 60 Amp 4 pole, with four way metal enclosure , etc. (Prime cost of MCCB 60 Amp 4 pole [Orange, Schnieder or equivalent] 42,800.00 / =).	No	55,338.00	55,038.00	55,438.00	55,338.00	56,038.00
Ele - 003	Earth electrode copper rod, 10mm dia, 1200mm long, 2.5mm ² , earth wire, conduit etc. (Prime cost of Earth copper rod 10mm dia, 1200mm long 3,500.00 / =)	No	7,825.00	7,675.00	7,875.00	7,825.00	8,175.00
Ele - 004	Exhaust fan (8 inch) with 13A Socket outlet (KDK or equivalent)	No	38,865.00	38,678.00	38,928.00	38,865.00	39,303.00

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Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Ele - 005	13 Amp switched socket outlet with 2.5mm ² wire, 2.5mm ² earth wire, sunk box, screws, conduit etc. (Prime cost of 13 Amp plug with switch [Clipsal, Orange, ACL or equivalent] 1,200.00/=)	No	13,465.00	13,353.00	13,503.00	13,465.00	13,728.00
Ele - 006	Wall mounted fan (16 inch)with 13 Amp Socket outlet (KDK or equivalent)	No	35,153.00	35,003.00	35,203.00	35,153.00	35,503.00
Ele - 007	Light point with 1.0mm ² wiring, flexible wire, round plug, ceiling rose, switch, sunk box, holder, conduit, screws, clips, pins, etc.	No	4,701.00	4,626.00	4,726.00	4,701.00	4,876.00
Ele - 008	Pendant lamp with 1.0mm ² wiring, flexible wire, round plug, ceiling rose, switch, sunk box, holder, 23 W energy saver bulb with one year warranty, shade conduit, screws, clips, pins, etc.(Prime cost of 23 W Pendant lamp with shade [Orange or equivalent] 1,350.00 /=-)	No	6,701.00	6,589.00	6,739.00	6,701.00	6,964.00
Ele - 009	Water tight set with 15 W CFL lamp 1.0mm ² wiring, flexible wire, switch, sunk box, energy saver bulb with one year warranty, shade conduit, screws, clips, pins, etc. (Prime cost of Water tight lamp with shade [Orange or equivalent] 3,400.00 /=-)	No	7,978.00	7,866.00	8,016.00	7,978.00	8,241.00
Ele - 010	1200 x 600mm size, reflector model 2 x 36 W fluorescent lamp with 1.0mm ² wiring, flexible wire, switch, sunk box, holder, conduit, screws, clips, pins, etc. (Prime cost of 1200mm x 600mm Size, reflector model 2 x 36W fluorescent lamp [Orange, Kevilton or equivalent] 21,000.00 /=-)	No	N/A	N/A	N/A	N/A	N/A

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Ele - 011	600 x 600mm size, reflector model 3 x 18w fluorescent lamp with 1.0mm ² wiring, flexible wire, switch, sunk box, conduit, screws, clips, pins, etc. (Prime cost of 600mm x 600mm Size, reflector model 3 x 18W fluorescent lamp [DLS, Yamadha or equivalent]15,140.00/=)	No	N/A	N/A	N/A	N/A	N/A
Ele - 012	1200mm fluorescent lamp set with 1.0mm ² wiring, flexible wire, round plug, ceiling rose, switch, sunk box, holder, adapter. conduit, screws, clips, pins, etc. (Prime cost of 1200 mm Long fluorescent lamp [Orange, Kevilton or equivalent]2,400.00/=)	No	N/A	N/A	N/A	N/A	N/A
Ele - 013	600mm fluorescent lamp set with 1.0mm ² wiring, flexible wire, round plug, ceiling rose, switch, sunk box, holder, adapter. conduit, screws, clips, pins, etc. (Prime cost of 600 mm Long fluorescent lamp [Orange, Kevilton or equivalent] 1,800.00/=)	No	N/A	N/A	N/A	N/A	N/A
Ele - 014	Hood lamp with 1.0mm ² wiring, switch, sunk box, conduit, screws, clips, pins, etc. (Prime cost of Hood lamp [Orange, Bright or equivalent] 2,500.00 /=-)	No	7,181.00	7,069.00	7,219.00	7,181.00	7,444.00
Ele - 015	Wall bracket with CFL lamp set with 1.0mm ² wiring, switch, sunk box, conduit, screws, clips, pins, etc. (Prime cost of Wall bracket lamp [Orange, Bright or equivalent] 3,600.00/=)	No	8,281.00	8,169.00	8,319.00	8,281.00	8,544.00

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Ele - 016	Ceiling fan (KDK, N56 RG Modal) 1400mm sweep, 225 CMM air delivery, 5 speed regulator with 1.0mm ² wiring, flexible wire, round plug, switch, sunk box, fan hook, conduit, screws, clips, pins, etc. (Prime cost of Ceiling fan [KDK, N56 RG Model or equivalent] 26,000.00 /=-)	No	31,821.00	31,571.00	31,871.00	31,701.00	32,271.00
Ele - 017	Ceiling fan (Bajaj) – Regal 1400mm sweep, 205 CMM air delivery, 5 speed regulator with 1.0mm ² wiring, flexible wire, round plug, switch, sunk box, fan hook, conduit, screws, clips, pins, etc. (Prime cost of Ceiling fan [Bajaj or equivalent] 15,000.00 /=-)	No	20,821.00	20,571.00	20,871.00	20,701.00	21,271.00
Ele - 018	LED light point 1mm ² wire, sunk box, switch, conduit, etc.	No	3,815.00	3,740.00	3,840.00	3,815.00	3,990.00
Ele - 019	12W LED panel light fitting with 1mm ² wiring, sunk box, switch conduit etc. (Prime cost of 12W LED [Bright, Kevilton or equivalent] 3,100.00 /=-)	No	7,565.00	7,453.00	7,603.00	7,565.00	7,828.00
Ele - 020	18W LED Panel light fitting with 1mm ² wiring, sunk box, switch conduit etc. (Prime cost of 18W LED [Bright, Kevilton or equivalent] 3,800.00 /=-)	No	8,265.00	8,153.00	8,303.00	8,265.00	8,528.00
Ele - 021	24W LED panel light fitting with 1mm ² wiring, sunk box, switch conduit etc. (Prime cost of 24W LED [Bright, Kevilton or equivalent] 5,800.00 /=-)	No	10,265.00	10,153.00	10,303.00	10,265.00	10,528.00
Ele - 022	Calling bell with 1.0mm ² wiring, round plug, bell bush, sunk box, conduit, screws, clips, pins, etc. (Prime cost of Calling bell [Polychrome or equivalent] 1,100.00 /=-)	No	6,550.00	6,438.00	6,588.00	6,550.00	6,813.00

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Ele - 023	Single phase Distribution board 10 Way ABC box with conduit, 6 Amp or 10 Amp or 16 Amp or 20 Amp necessary circuit breakers, 40Amp isolated main switch & 40Amp trip switch with indicator bulb etc. (Prime cost of ABC Box 10 way [Polychrome or equivalent] 2,250.00 /=-)	No	20,620.00	20,395.00	20,695.00	20,620.00	21,145.00
Ele - 024	Single phase Distribution board 12 Way ABC Box with conduit, 6 Amp or 10 Amp or 16 Amp or 20 Amp necessary circuit breakers, 40Amp isolated main switch & 40Amp trip switch with indicator bulb etc. (Prime cost of ABC Box 12 Way [Polychrome or equivalent] 2,700.00 /=-)	No	22,850.00	22,625.00	22,925.00	22,850.00	23,375.00
Ele - 025	Single phase Distribution board 16 Way ABC Box with conduit, 6 Amp or 10 Amp or 16 Amp or 20 Amp necessary circuit breakers, 40Amp isolated main switch & 40Amp trip switch with indicator bulb etc. (Prime cost of ABC Box 16 way[Polychrome or equivalent]) 4,000.00 /=-)	No	27,470.00	27,245.00	27,545.00	27,470.00	27,995.00
Ele - 026	RCCB single phase 40 amp, 2P screws etc. (Prime cost of RCCB single phase - 40 amp [Orange, Schnieder or equivalent] 6,200.00 /=-)	No	8,430.00	8,355.00	8,455.00	8,430.00	8,605.00
Ele - 027	40 Amp isolator main single phase. (Prime cost of Isolator - 40 amp [Orange, Schnieder or equivalent] 2,700.00/=-)	No	3,350.00	3,313.00	3,363.00	3,350.00	3,438.00
Ele - 028	Service bracket 1500mm long, 50x50x6mm angle iron bend to shape fix to wall or timber with bolt & nut, conduit, making holes, painting, etc.	No	7,675.00	7,525.00	7,725.00	7,675.00	8,025.00

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Ele - 029	Supplying and installing 6.0mm ² twin wire with conduit etc.	Lm	1,342.00	1,337.00	1,344.00	1,342.00	1,354.00
Ele - 030	Telephone socket outlet with two pair wire, multy connector, sunk box, screws, conduit etc. (Prime cost of Telephone socket outlet [Kryton, 3M or equivalent] 1,620.00 /=-)	No	6,460.00	6,385.00	6,485.00	6,460.00	6,635.00
Ele - 031	TV socket outlet with TV antena wire, multy connector, sunk box, screws, conduit etc. (Prime cost of TV socket outlet [Kryton, 3M or equivalent] 1,620.00 /=-)	No	6,460.00	6,385.00	6,485.00	6,460.00	6,635.00
Ele - 032	Supplying and installing 6.0mm ² earth wire with conduit etc.	Lm	496.00	491.00	498.00	496.00	508.00
Ele - 033	Supplying and installing 10.0mm ² (Cu/PVC/PVC) unarmoured 4 core wire with conduit etc.	Lm	4,823.00	4,813.00	4,826.00	4,823.00	4,846.00
Ele - 034	Supplying and installing 16.0mm ² (Cu/ PVC/ PVC) 4 core unarmoured wire with conduit etc.	Lm	7,086.00	7,076.00	7,089.00	7,086.00	7,109.00
Ele - 035	Supplying and installing 10.0mm ² earth wire with conduit etc.	Lm	782.00	777.00	784.00	782.00	794.00
Ele - 036	Supplying and installing 16.0mm ² earth wire with conduit etc.	Lm	1,176.00	1,171.00	1,178.00	1,176.00	1,188.00
Ele - 037	Supplying and installing 10.0mm ² (Cu/PVC/PVC) 4 core unarmoured cable and 10.0mm ² earth wire.	Lm	5,601.00	5,586.00	5,606.00	5,601.00	5,636.00
Ele - 038	Supplying and installing 16.0mm ² (Cu/PVC/PVC) 4 core unarmoured cable and 16.0mm ² earth wire.	Lm	8,258.00	8,243.00	8,263.00	8,258.00	8,293.00

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Ele - 039	25mm ² (CU /XLPE /SWA / PVC) 4 core armoured cable laying with necessary accessories and materials to working order.	Lm	12,441.00	11,973.00	12,171.00	12,093.00	12,277.00
Ele - 040	35mm ² (CU /XLPE /SWA / PVC) 4 core armoured cable laying with necessary accessories and materials to working order.	Lm	15,862.00	15,394.00	15,592.00	15,514.00	15,697.00
Ele - 041	Supplying and fixing Electric pump with motor single phase 1.5 Hp with starter, on cement concrete bed 2'- 00"x 1'- 6"x 0"- 6" in 1:2:4 (20mm) mix with 4 Nos 3/8"x 6" rag bolt and nuts,rendered cement mortar 1:2 including foot valve, starter switch. All completed to working order with necessary connecting accessories. (Prime cost of Centrifugal electric Water pump 1.5 Hp [Jinesena] 120,000.00 /=, Starter [Schnieder, Orange or equivalent] 10,100.00 /=)	No	139,500.00	139,150.00	139,600.00	139,500.00	140,400.00
Ele - 042	Supplying and fixing Electric pump with motor single phase 1.0 Hp with starter, on cement concrete bed 2'- 00"x 1'- 6"x 0"- 6" in 1:2:4 (20mm) mix with 4 Nos 3/8"x 6" rag bolt and nuts,rendered cement mortar 1:2 including foot valve, starter switch. All completed to working order with necessary connecting accessories. (Prime cost of Centrifugal electric Water pump 1.0 Hp [Solex 58,000.00 /= Excluding vat], Starter [Schnieder, Orange or equivalent] 10,100.00 /=)	No	79,500.00	79,150.00	79,600.00	79,500.00	80,400.00

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Ele - 043	Supplying and fixing Electric pump with motor single phase 1.0 Hp with starter, on cement concrete bed 2'- 00"x 1'- 6"x 0"- 6" in 1:2:4 (20mm) mix with 4 Nos 3/8"x 6" rag bolt and nuts,rendered cement mortar 1:2 including foot valve, starter switch. All completed to working order with necessary connecting accessories. (Prime cost of Centrifugal Electric Water pump 1.0 Hp [Singer 58,000.00 /= Excluding vat], Starter [Schnieder, Orange or equivalent] 10,100.00/=)	No	79,500.00	79,150.00	79,600.00	79,500.00	80,400.00
Ele - 044	Ceiling fan (Havells Riga Modal) 1400mm sweep, 225 CMM air delivery, 5 speed regulator with 1.0mm2 wiring, flexible wire, round plug, switch, sunk box, fan hook, conduit, screws, clips, pins, etc. (Prime cost of Ceiling fan [Havells Riga model] 13,500.00 /=)	No	19,321.00	19,071.00	19,371.00	19,201.00	19,771.00
5.21 MISCELLANEOUS							
Mis - 001	Fence barbed wire pvc coated (12 gauge), 4 points, 3" aparts, supplied and fixed in existing concrete posts with G.I staples.	Lm	77.00	78.00	81.00	80.00	76.00
Mis - 002	Fence barbed wire GI, 14 gauge, 4 points, 3" aparts, supplied and fixed in existing concrete posts with G.I staples.	Lm	71.00	72.00	74.00	74.00	76.00
Mis - 003	Intermediate fence posts , cement conc 1 : 1½ : 3 (¾") reinforced with 4 Nos. 8 mm dia Tor steel wound round with No 14 BWG wire to form a striup at 175 mm C-C, 2100 mm high square section 100" to 150" fixed complete as per project No S1362, sheet No 01/04.	Post	6,926.00	6,680.00	7,081.00	6,818.00	7,186.00

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Mis - 004	Intermediate fence post, cement conc 1 : 1½ : 3 (¾") reinforced with 4 Nos. 10 mm dia. Tor Steel with 5.5 mm dia striirups at 200 C-C, 2400 mm high square section 100 mm to 150mm fixed complete as per project No S1362, sheet No 03/04.	Post	9,862.00	9,425.00	9,837.00	9,511.00	9,862.00
Mis - 005	End post 2325 mm high, with 2 Nos struts for Type barbed wire fence fixed complete in cement concrete as per project No S1362, sheet No 02/04.	Post	36,558.00	34,362.00	35,621.00	34,628.00	35,618.00
Mis - 006	End post 2400 mm high, with 2 Nos struts for Type barbed wire fence fixed complete in cement concrete as per project No S1362, sheet No 04/04.	Post	40,394.00	38,813.00	40,385.00	39,114.00	40,462.00
Mis - 007	String Bolts 1/2" dia made and fixed 18" long (Approx).	No	1,526.00	1,451.00	1,551.00	1,526.00	1,701.00
Mis - 008	Fence barbed wire pvc coated, 7 strands 12 B.W.G with 4 points at 75 mm centres & R.C.C posts 1 : 1½ : 3 (¾") metal reinforced with 4 Nos. 8 mm dia Tor Steel with 14 B.W.G stirrups at 175 mm C-C. post to be fixed at 8'-0" C-C. including excavation, cement conc foundation 1:3:6 (1") metal to corner posts & struts & string bolts,all as per type plan S1362, Sheet No 1/4 & 2/4 struts to be reinforced with 4Nos. 10mm Tor seel & corner posts with 4 Nos. 12 mm Tor steel. Rate to include for additional post and struts for more than 100'-0" and 2 coats of white washing to all concrete post.	Lm	4,915.00	4,728.00	4,983.00	4,830.00	5,029.00

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Mis - 009	Fence barbed wire GI, 7 strands 12 B.W.G with 4 points at 75 mm centres & R.C.C posts 1: 1½: 3 (¾") metal reinforced with 4 Nos. 8 mm dia, with 14 B.W.G stirrups at 175 mm C-C. Post to be fixed at 8'-0" C-C. Including excavation, cement conc foundation 1:3:6 (1") metal to corner posts & struts & string bolts, all as per type plan S1362, Sheet No 1/4 & 2/4 struts to be reinforced with 4Nos. 10mm Tor seel & corner posts with 4 Nos. 12 mm Tor Steel. Rate to include for additional post and struts for more than 100'-0" and 2 coats of white washing to all concrete post.	Lm	4,869.00	4,682.00	4,937.00	4,784.00	5,029.00
Mis - 010	Fence barbed wire pvc coated, 10 strands 12 B.W.G with 4 points at 75 mm centres & R.C.C posts 1 : 1½ : 3 (¾") metal reinforced with 4 Nos. 10 mm tor steel with 5.5 mm stirrups at 200 mm C-C. post to be fixed at 8'-0" C-C. including excavation, cement concrete foundation 1:3:6 (1") metal to intermediate posts, corner posts & struts & string bolts, all as per type plan S1362, Sheet No 3/4 & 4/4 struts to be reinforced with 4Nos. 10mm Tor seel & corner posts with 4 Nos. 12 mm tor steel. Rate to include for additional post and struts for more than 100'-0" and 2 coats of white washing to all concrete post.	Lm	6,371.00	6,134.00	6,403.00	6,220.00	6,405.00

Buildings Works Rate 2024

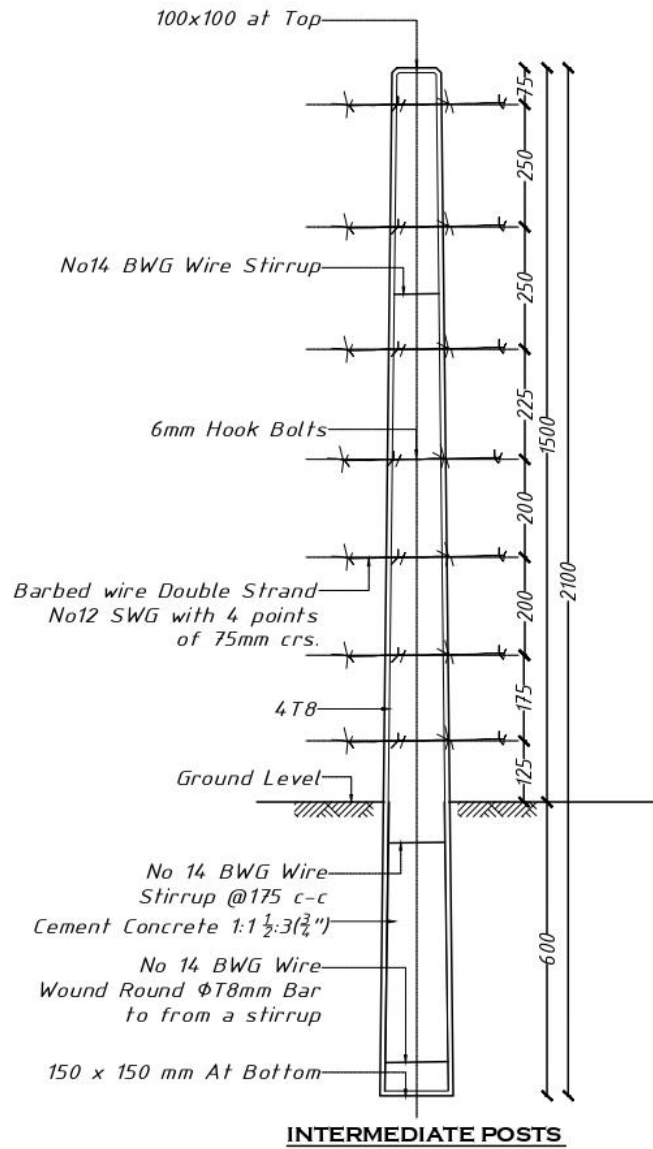
Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Mis - 011	Fence barbed wire GI, 7 strands 14 B.W.G with 4 points at 75 mm centres & R.C.C posts 1 : 1½ : 3 (¾") metal reinforced with 4 Nos. 10 mm tor steel with 5.5 mm stirrups at 200 mm C-C. post to be fixed at 8'-0" C-C. including excavation, cement conc foundation 1:3:6 (1") metal to intermediate posts, corner posts & struts & string bolts,all as per type plan S1362, Sheet No 3/4 & 4/4 struts to be reinforced with 4Nos. 10mm Tor seel & corner posts with 4 Nos. 12 mm tor steel. Rate to include for additional post and struts for more than 100'-0" and 2 coats of white washing to all concrete post.	Lm	6,177.00	5,940.00	6,210.00	6,027.00	6,277.00
5.22 ALUMINIUM WORK							
Alu - 001	Supplying & fixing 100 mm Door 1.6mm thick single sash Aluminium door (Aluminium composite panel & glazed) consisting 5mm thick glass panes, 4 mm thick aluminium composite panel, door lock, stainless steel hinges, one pair stainless steel handle, 1No door closer, rubber, wool felt, screws, riverts & any other necessary fittings. All complete as per detail drawing. [Door closer paid separately] (Project No: S 1363/J, DRG-Door & Window)	m ²	35,327.00	35,327.00	35,312.00	38,078.00	35,312.00

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Alu - 002	Supplying & fixing 100 mm Door 1.6mm thick double sash Aluminium door (Aluminium composite panel & glazed) consisting 5mm thick glass panes, 4 mm thick aluminium composite panel, door lock, stainless steel hinges, two pair stainless steel handle, 2No Door closer, rubber, wool felt, screws, riverts & any other necessary fittings. All complete as per detail drawing. [Door closer paid separately] (Project No: S 1363/J, DRG-Door & Window)	m ²	33,682.00	33,682.00	33,669.00	37,321.00	33,669.00
Alu - 003	Supplying & fixing 70 mm, 1.5mm thick Aluminium glazed casement window consisting 5mm thick glass panes, casement lock, stainless steel bar hinges, rubber, screws, riverts & any other necessary fittings. All complete as per detail drawing. (Project No: S 1363/J, DRG-Door & Window)	m ²	33,337.00	33,606.00	33,510.00	37,964.00	33,606.00
Alu - 004	Supplying & fixing 70 mm, 1.3mm thick Aluminium glazed sliding window consisting 5mm thick glass panes, sliding lock, roller, rubber, screws, riverts & any other necessary fittings. All complete as per detail drawing. (Project No: S 1363/J, DRG-Door & Window)	m ²	21,363.00	21,363.00	21,228.00	25,586.00	21,228.00

Buildings Works Rate 2024

Item Code	Description	Unit	Basic Rate (Rs.)				
			Jaffna	Kilinochchi	Mullaitivu	Mannar	Vavuniya
Alu - 005	Supplying & fixing 80 mm, 1.5mm thick Aluminium glazed sliding window consisting 5mm thick glass panes, sliding lock, roller, rubber, screws, riverts & any other necessary fittings. All complete as per detail drawing. (Project No: S 1363/J, DRG-Door & Window)	m ²	29,539.00	29,539.00	29,405.00	33,763.00	29,405.00
Alu - 006	Supplying & fixing 70 mm, 1.2mm thick Aluminium glazed fanlight consisting 5mm thick glass panes, lock, rubber, screws, riverts & any other necessary fittings. All complete as per detail drawing. (Project No: S 1363/J, DRG-Door & Window)	m ²	38,066.00	38,783.00	38,632.00	45,562.00	38,783.00
Alu - 007	Supplying & fixing 70 mm, 1.2mm thick Aluminium louver pannel fanlight. All complete as per detail drawing. (Project No: S 1363/J, DRG-Door & Window)	m ²	51,305.00	51,305.00	51,305.00	51,305.00	51,305.00
Alu - 008	Supplying & fixing hydrolic door closer. [VVP or equivalent]	No	8,025.00	8,013.00	8,025.00	8,025.00	8,075.00
Alu - 009	Supplying & affix sand blast sticker as per instructions. [Shall be measured to the area of glass]	m ²	742.00	735.00	744.00	742.00	758.00

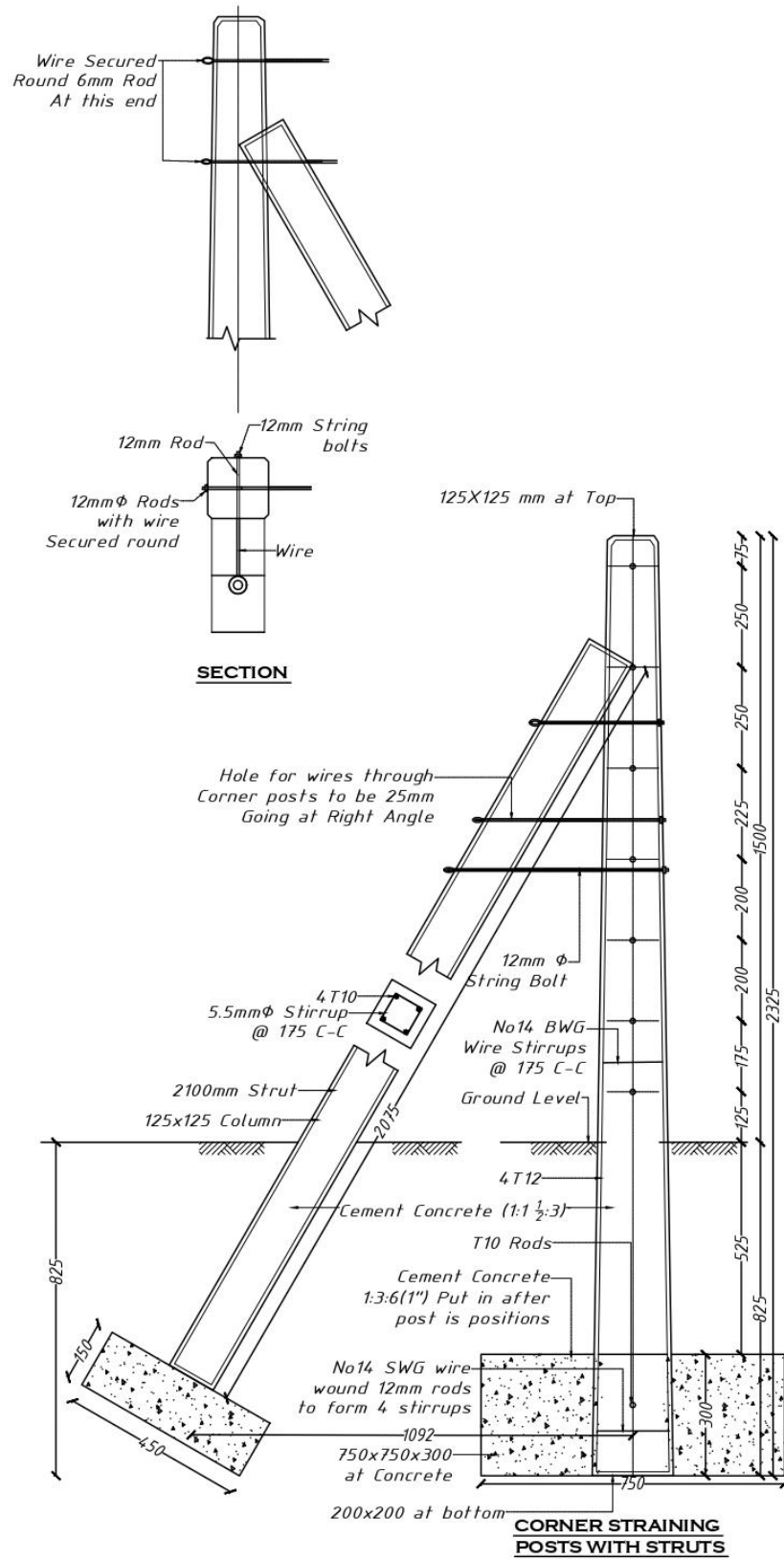


INTERMEDIATE POSTS



DETAILS OF HOOK BOLTS

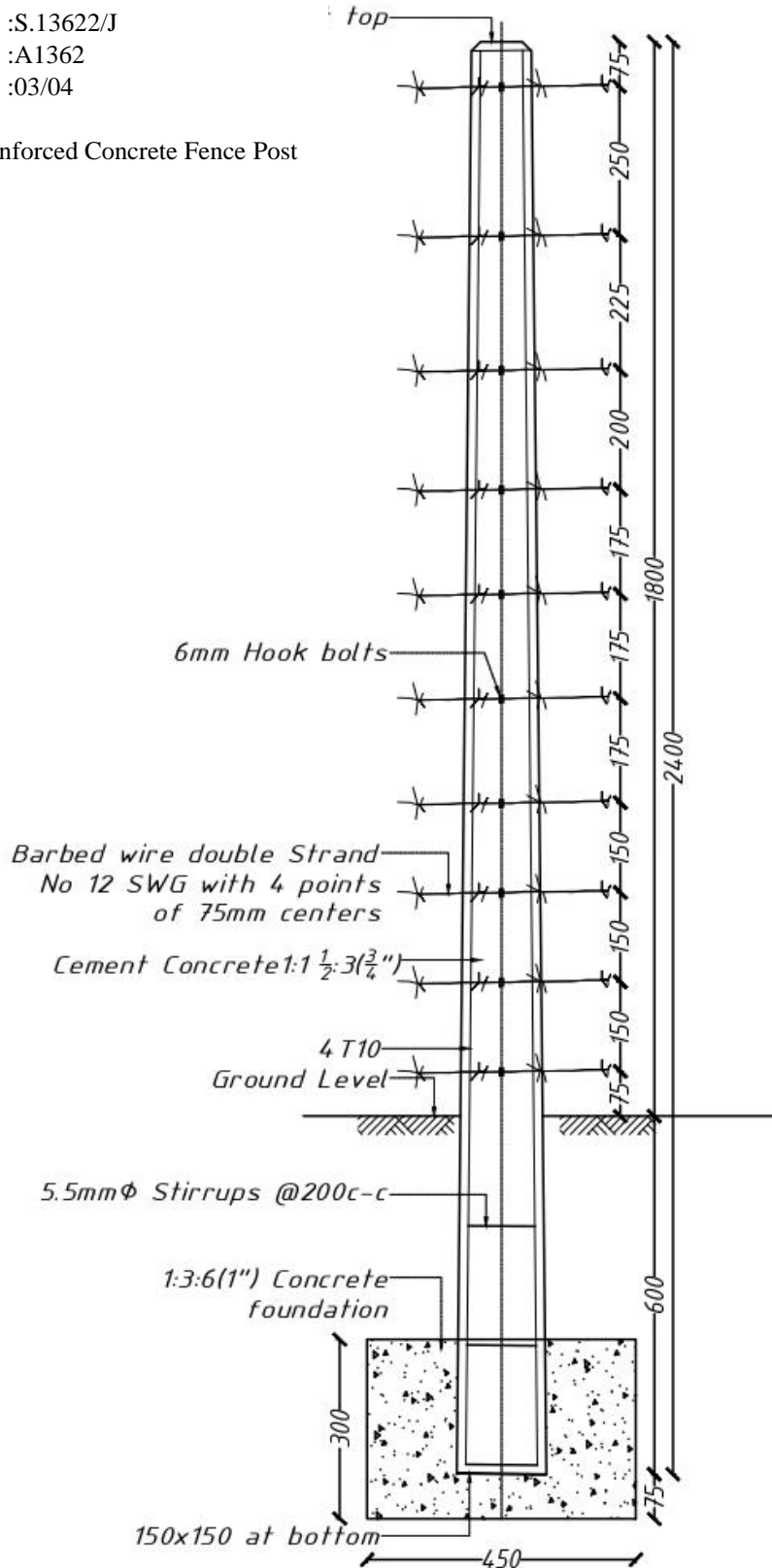
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 DRG No :A1362
 Sheet No :01/04
 Not to Scale
 Fencing with Reinforced Concrete Fence Post 2100mm Height



Project No :S.13621/J
 DRG No :A1362
 Sheet No :02/04
 Not to Scale
 Fencing with Reinforced Concrete Fence Post 2100mm Height

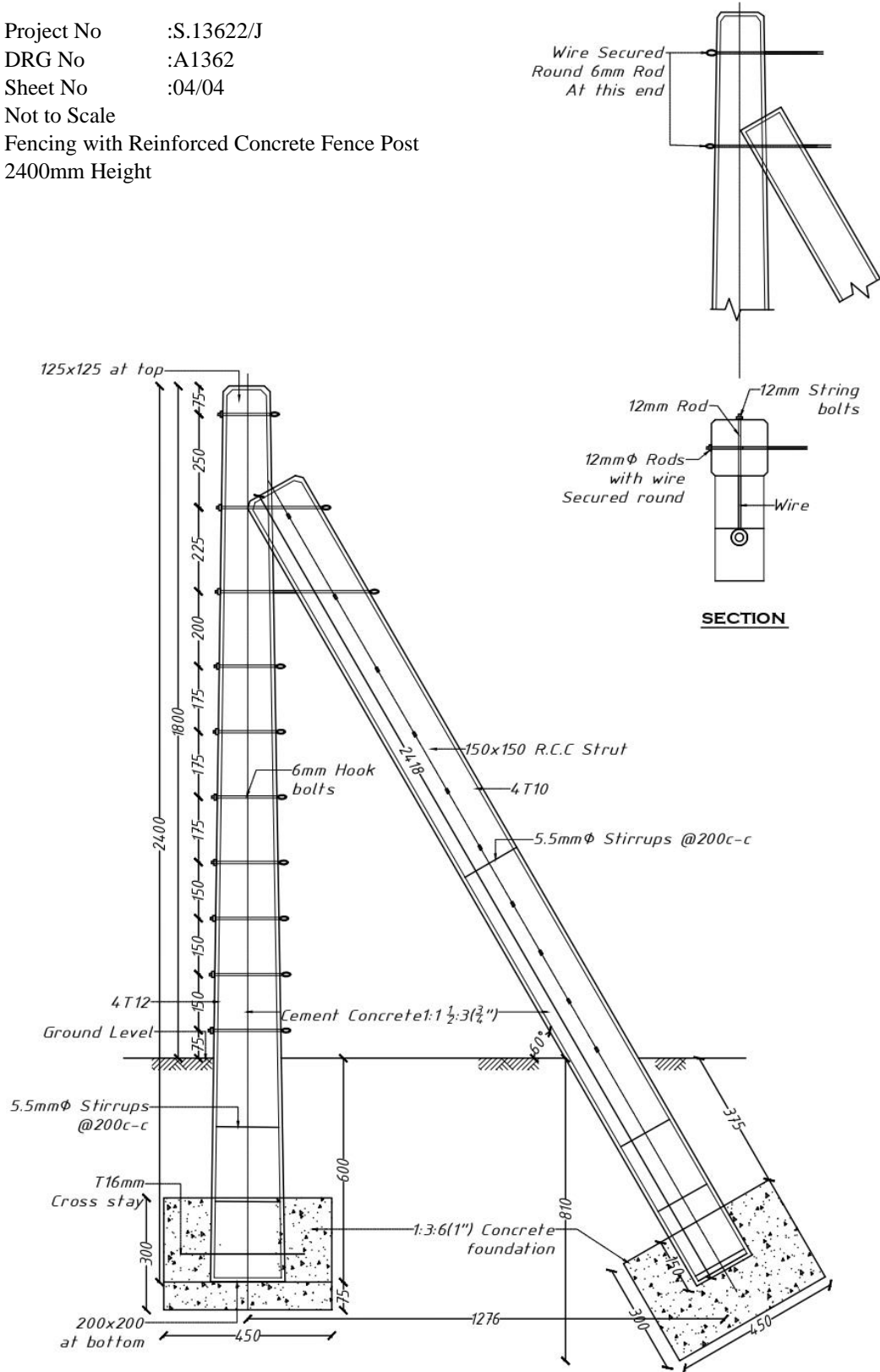
Buildings Works Rate 2024

Project No :S.13622/J
 DRG No :A1362
 Sheet No :03/04
 Not to Scale
 Fencing with Reinforced Concrete Fence Post
 2400mm Height




INTERMEDIATE POSTS

Project No :S.13622/J
 DRG No :A1362
 Sheet No :04/04
 Not to Scale
 Fencing with Reinforced Concrete Fence Post
 2400mm Height



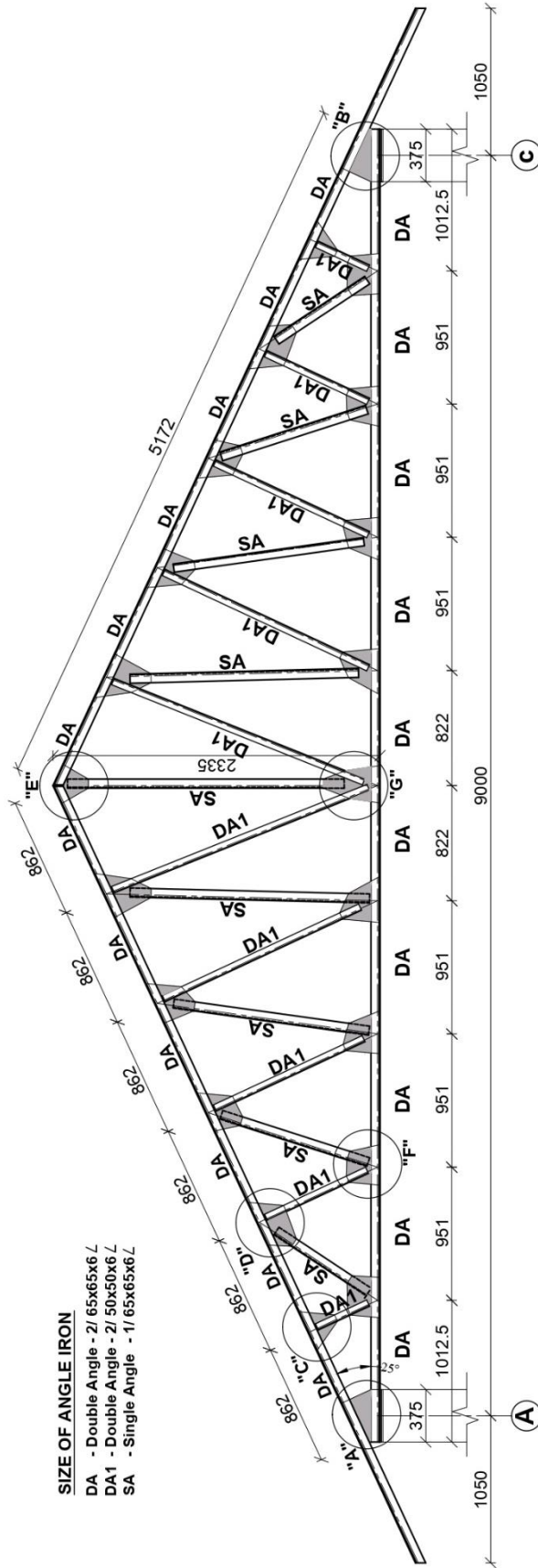
CORNER STRAINING POSTS WITH STRUTS

- Note:-
- 1.Reinforcement Cover 25mm
 - 2.Fixing R.C.C Post & Other details
Please refer Drawing S.1362/J.
 - 3.All Corner of the post to be splayed
 - 4.Reinforcement cement concrete to be 1:1 1/2 :3(3/4)"

- Note :-
1. Zn/Al roof (Pitch 25°).
 2. Thickness of weld to be 10mm.
 3. All welding shown thus: .
 4. Minimum length of weld to be 50mm.
 5. Total welding length to the gusset plate with the member should maintain minimum 150mm. Where the member refers to the structural element or portion of structural element in between two consecutive joint.
 6. Double Angles to be spot weld at top & bottom at 600mm c/s. (Staggered)
 7. All Gusset plates to be 10mm thick Mild steel.
 8. Rag bolts to be 16mm Ø minimum 225mm long.
 9. Base plate fixed to truss & the Cover plate fixed over column or beam to be machined smooth at the surfaces of contact. Grinding is recommended and a Protective layer of grease to be applied.
 10. Slotted holes to be provided on same side for all trusses. Bolts to be tightened in stages to ensure the sliding.
 11. The Dimensions may be differed according to the site conditions.
 12. Member sizes mentioned here are minimum requirements.

Project No : S.1363/J
 DRG : Truss
 Sheet No : 01/05

Truss for Zn-Al - Span 9,000mm c/c (Pitch 25°) TRUSS



SIZE OF ANGLE IRON

- DA - Double Angle - 2/ 65x65x6 L
- DA1 - Double Angle - 2/ 50x50x6 L
- SA - Single Angle - 1/ 65x65x6 L

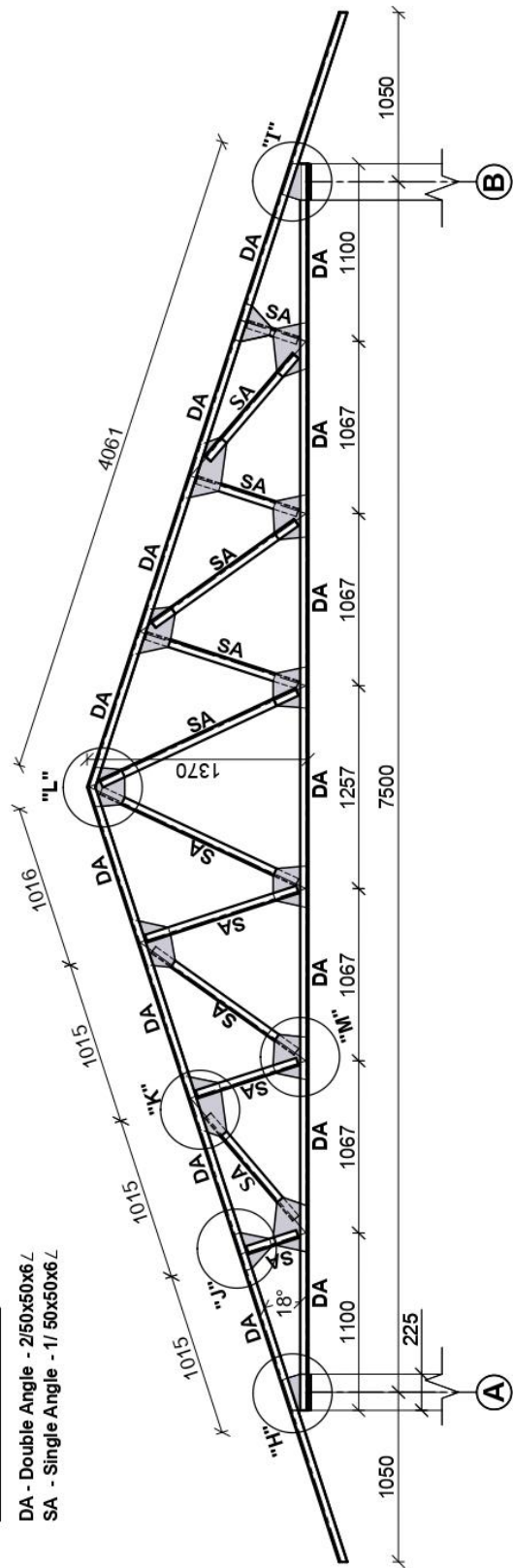
- Note :-
1. Zn/Al roof (Pitch 18°).
 2. Thickness of weld to be 10mm.
 3. All welding shown thus. — — — — —
 4. Minimum length of weld to be 50mm.
 5. Total welding length to the gusset plate with the member should maintain minimum 150mm. Where the member refers to the structural element or portion of structural element in between two consecutive joint.
 6. Double Angles to be spot weld at top & bottom at 600mm c/cs. (Staggerd)
 7. All Gusset plates to be 10mm thick Mild steel.
 8. Rag bolts to be 16mm Ø, minimum 225mm long.
 9. Base plate fixed to truss & the Cover plate fixed over column or beam. to be machined smooth at the surfaces of contact. Grinding is recommended and a Protective layer of grease to be applied.
 10. Slotted holes to be provided on same side for all trusses. Bolts to be tightened in stages to ensure the sliding.
 11. The Dimensions may be differed according to the site conditions.
 12. Member sizes mentioned here are minimum requirements.

Project No : S.1363/J
 DRG : Truss
 Sheet No : 02/05

Truss for Zn/Al Roof - Span 7,500 c/c (Pitch 18°) TRUSS

SIZE OF ANGLE IRON

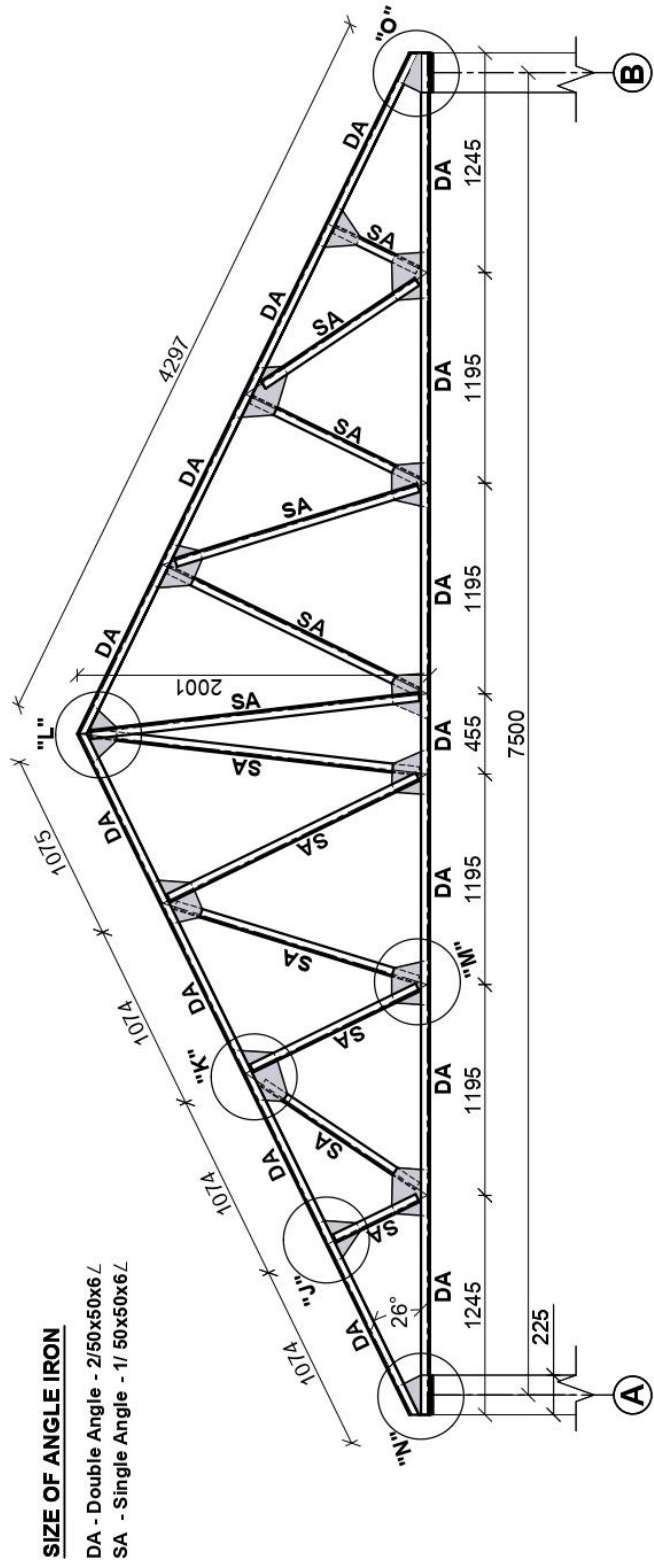
- DA - Double Angle - 2/50x50x6 L
- SA - Single Angle - 1/ 50x50x6 L

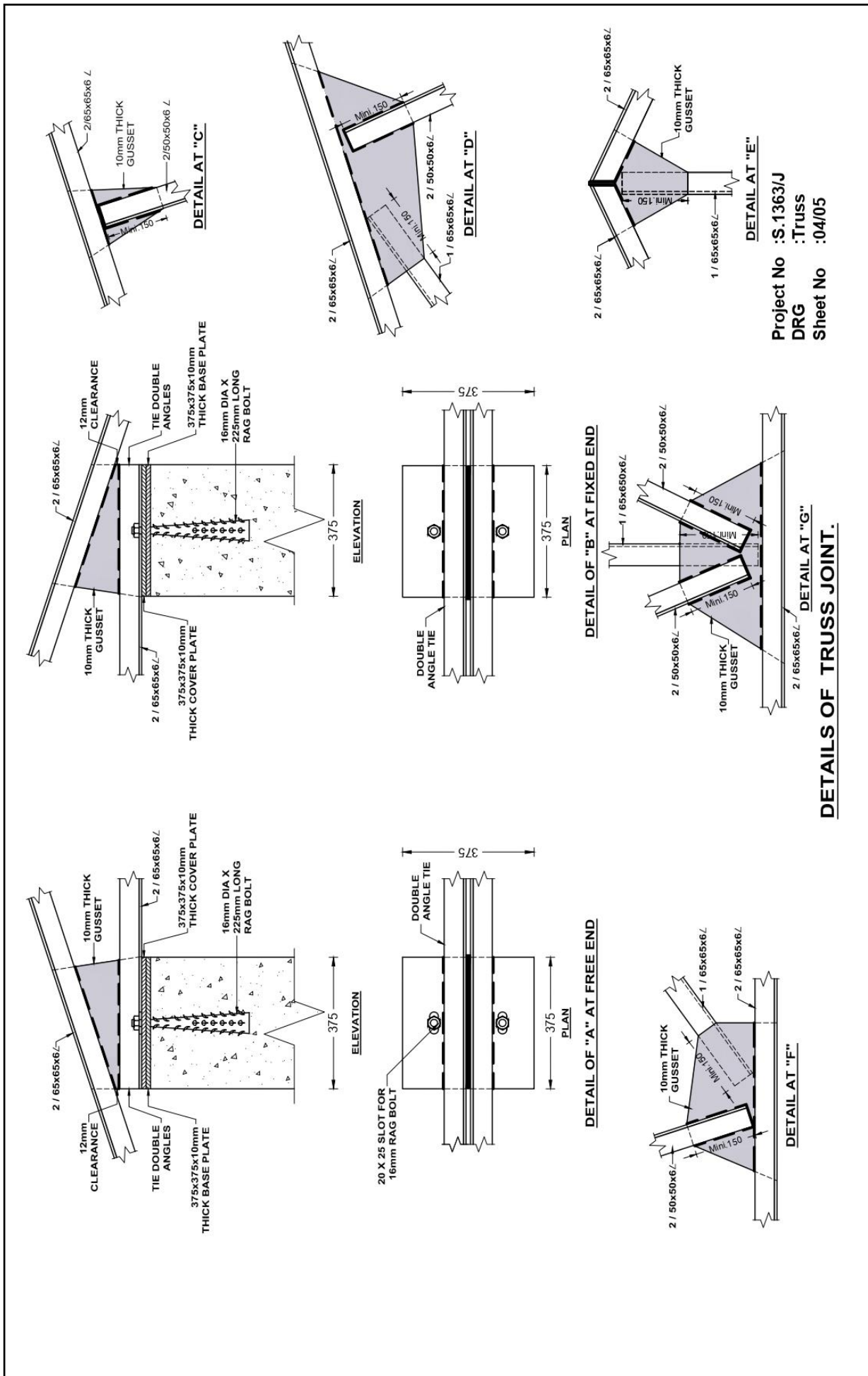


Project No : S.1363/J
 DRG : Truss
 Sheet No : 03/05

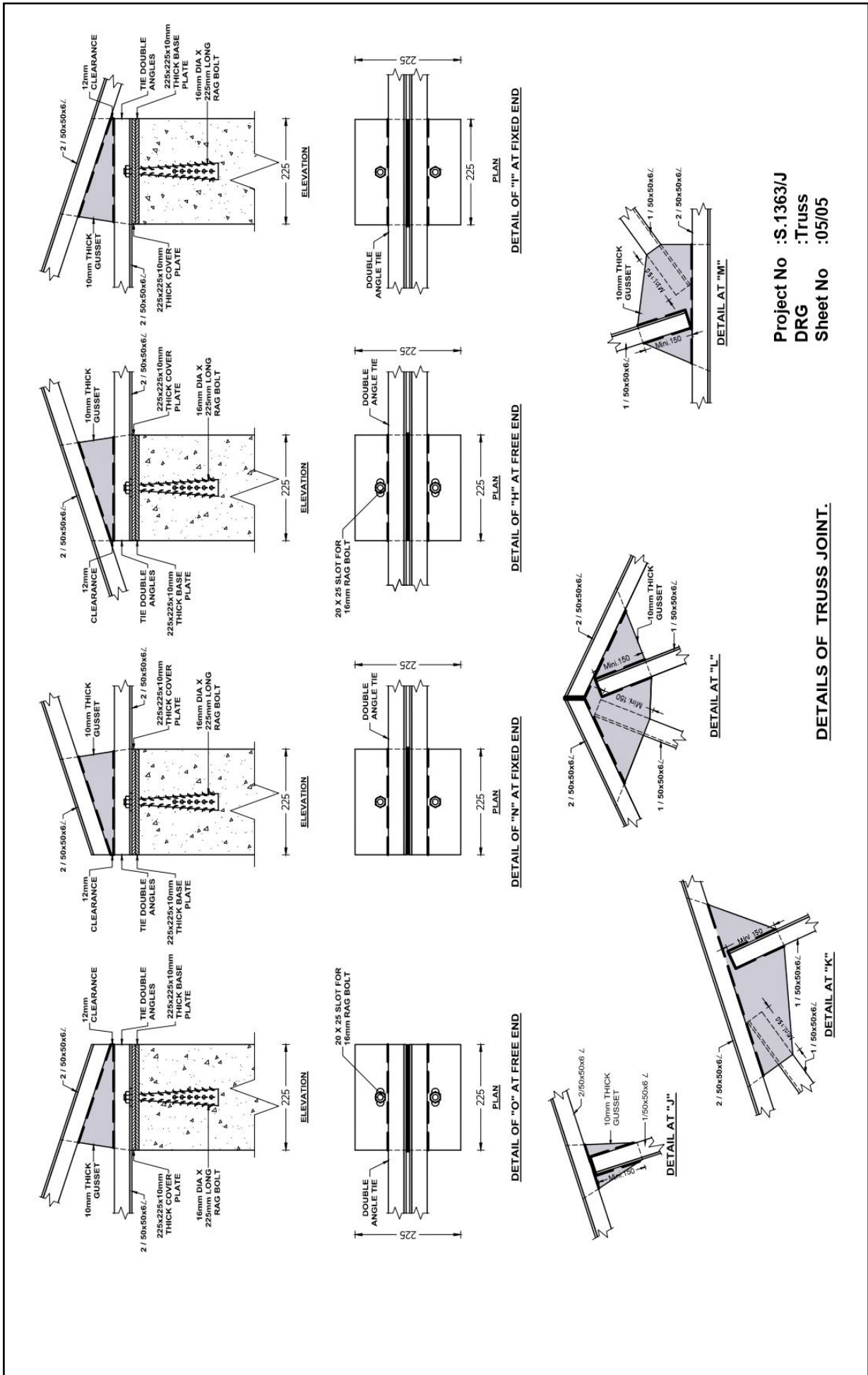
- Note :-
1. Zn/Al roof (Pitch 26°).
 2. Thickness of weld to be 10mm.
 3. All welding shown thus. ———
 4. Minimum length of weld to be 50mm.
 5. Total welding length to the gusset plate with the member should maintain minimum 150mm. Where the member refers to the structural element or portion of structural element in between two consecutive joint.
 6. Double Angles to be spot weld at top & bottom at 600mm c/s. (Staggered)
 7. All Gusset plates to be 10mm thick Mild steel.
 8. Rag bolts to be 16mm Ø, minimum 225mm long.
 9. Base plate fixed to truss & the Cover plate fixed over column or beam to be machined smooth at the surfaces of contact. Grinding is recommended and a Protective layer of grease to be applied.
 10. Slotted holes to be provided on same side for all trusses. Bolts to be tightened in stages to ensure the sliding.
 11. The Dimensions may be differed according to the site conditions.
 12. Member sizes mentioned here are minimum requirements.

Truss for Calicut Roof - Span 7,500 c/c (Pitch 26°) TRUSS





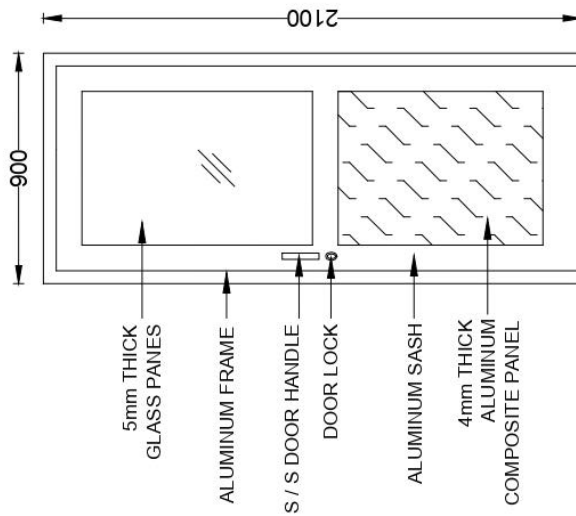
Project No :S.1363/J
 DRG :Truss
 Sheet No :04/05



Project No :S.1363/J
 DRG :Truss
 Sheet No :05/05

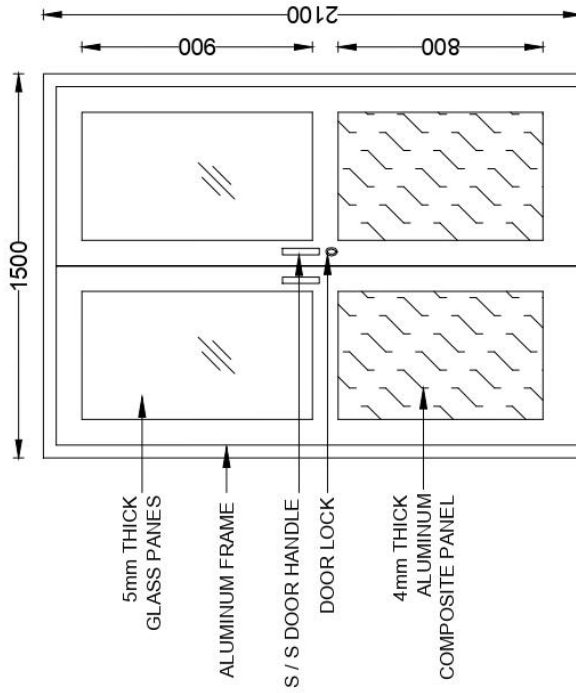
DETAILS OF TRUSS JOINT.

Supplying & fixing 100 mm Door 1.6mm thick single sash Aluminium door (Aluminium composite panel & glazed) consisting 5mm thick glass panes on top, 4 mm thick aluminium composite panel at bottom, door lock, stainless steel hinges, one pair stainless steel handle, 1No door closer, rubber, wool felt, screws, reverts & any other necessary fittings.



Alu 001 - SINGLE HUNG DOOR

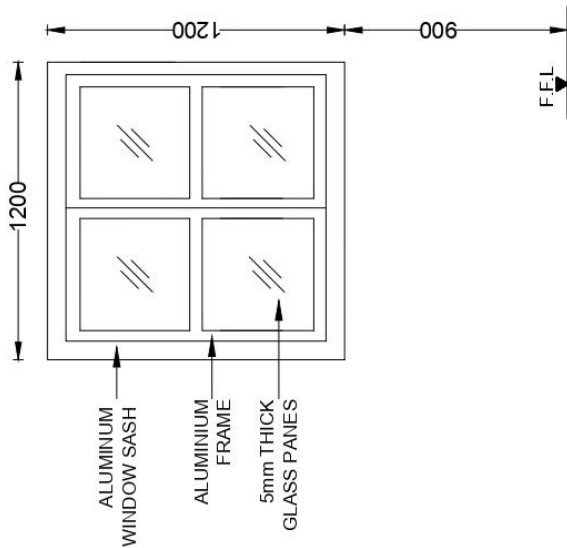
Supplying & fixing 100 mm Door 1.6mm thick double sash Aluminium door (Aluminium composite panel & glazed) consisting 5mm thick glass panes on top, 4 mm thick aluminium composite panel at bottom, door lock, stainless steel hinges, two pair stainless steel handle, 2No Door closer, rubber, wool felt, screws, reverts & any other necessary fittings.



Alu 002 - DOUBLE HUNG DOOR

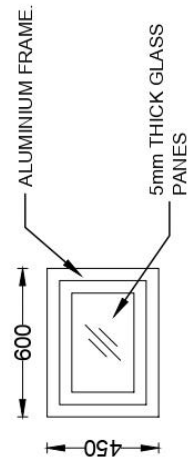
Project No :S.1363/J
 DRG :Door & Window
 Sheet No :01/02

Supplying & fixing 70 mm, 1.5mm thick Aluminium glazed casement window consisting 5mm thick glass panes, casement lock, stainless steel bar hinges, rubber, screws, reverts & any other necessary fittings.



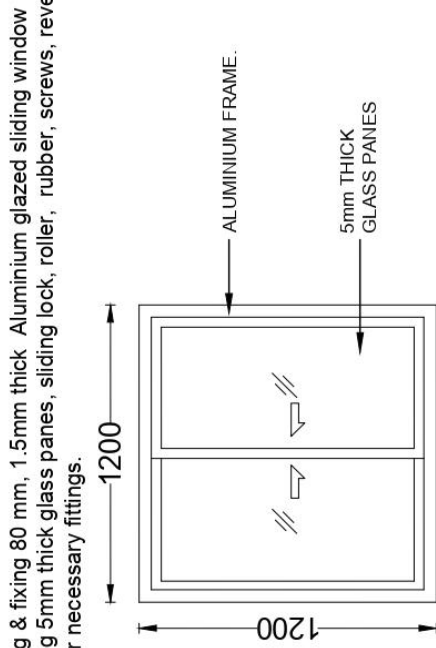
Alu 003 - CASEMENT WINDOW

Supplying & fixing 70 mm, 1.2mm thick Aluminium glazed top hung fanlight consisting 5mm thick glass panes, lock, rubber, screws, reverts & any other necessary fittings.



Alu 006 - FAN LIGHT TOP HUNG

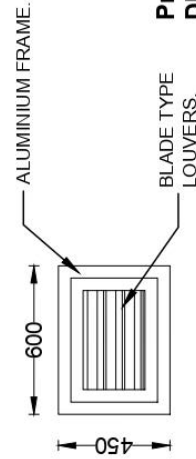
Supplying & fixing 70 mm, 1.3mm thick Aluminium glazed sliding window consisting 5mm thick glass panes, sliding lock, roller, rubber, screws, reverts & any other necessary fittings.



Alu 004 & Alu 005 - SLIDING WINDOW

Supplying & fixing 80 mm, 1.5mm thick Aluminium glazed sliding window consisting 5mm thick glass panes, sliding lock, roller, rubber, screws, reverts & any other necessary fittings.

Supplying & fixing 70 mm, 1.2mm thick Aluminium louver panel.



Alu 007 - LOUVER PANEL

Project No :S.1363/J
 DRG :Door & Window
 Sheet No :02/02

**RATES FOR
IRRIGATION WORKS**

6. RATES FOR IRRIGATION WORKS

6.1. GENERAL SPECIFICATIONS FOR IRRIGATION WORKS

- Specification for Irrigation & Land Drainage – Published on January 2017
CIDA Publication No: CIDA/SP/102
- Specification for Building Works (Volume I) – [3rd Edition (Revised) – July 2004]
ICTAD Publication No: SCA/4/1
- Specification for Electrical & Mechanical Works - [2nd Edition (Revised) – August 2000]
ICTAD Publication No: SCA/8
- Data for Costing of civil works Published by Irrigation Department third revision 1st January 1980.
- Rates included all taxes other than VAT. VAT to be paid separately.

Irrigation Works Rate 2024

6.2 NORMS FOR CLEARING AND EARTH WORK			
No	Description	Unit	Qty
	CLEARING - MANUAL		
1	Clearing and grubbing light jungle clearing	L.Day / Ha	74
2	Shrub & thorny jungle clearing	L.Day / Ha	49
3	Secondary growth jungle clearing	L.Day / Ha	37
4	Weeding	L.Day / m ²	0.004
5	Stripping top soil	L.Day / m ³	0.785
6	Scarifying top soil	L.Day / m ²	0.02
	CLEARING - MACHINERY		
7	Clearing and grubbing light jungle	Ha / Day	1.619
	Burning to asses	L.Day / Ha	2
8	Shrub & thorny jungle clearing	Ha / Day	2.429
	Burning to asses	L.Day / Ha	2
9	Medium jungle clearing	Ha / Day	1.214
	Burning to asses	L.Day / Ha	2
10	Common jungle clearing	Ha / Day	1.416
	Burning to asses	L.Day / Ha	2
11	Heavy jungle clearing	Ha / Day	1.335
	Burning to asses	L.Day / Ha	2
12	Stripping top soil along the upstream slope, downstream slope and top of the bund to a thickness of 0.075 meters in order to receive new earth by machinery and spoils to be disposed outside the reservation as directed		
	Stripping by Dozer	m ³ /day	1,471.6
	Loading by Back-hoe	m ³ /day	1,279.16
	EARTH WORK - MANUAL		
13	Earth Excavation in foundation and back filling / spoil to waste / dump including watering and compaction	L.Day / m ³	1.04
14	Borrowing earth from identified borrow areas including transport and placing in tank bund to the design profile in 225 mm layers including watering and compacting		
	Borrow Earth cut and lift 5' haul 200'	L.Day / m ³	0.883
	Placing and compaction in tank bund including picking roots and spreading	L.Day / m ³	0.213
	Watering on tank bund for compaction	L.Day / m ³	0.01
	Less haul 200ft (0.196 L.day per 100 ft)	L.Day / m ³	0.392
15	Earth Excavation from borrow and forming canal bund including watering and compacting		
	Borrow Earth cut and lift 5' haul 200'	L.Day / m ³	0.883
	Placing and compaction in canal bund including picking roots and spreading	L.Day / m ³	0.213
	Watering on canal bund for compaction	L.Day / m ³	0.01
	Less haul 200ft (0.196 L.day per 100 ft)	L.Day / m ³	0.392

Irrigation Works Rate 2024

No	Description	Unit	Qty
16	Earth Cutting in canal and forming canal bund including watering and compacting		
	Borrow Earth cut and lift 5' haul 200'	L.Day / m ³	0.883
	Placing and compaction in canal bund	L.Day / m ³	0.213
	Watering on canal bund for compaction	L.Day / m ³	0.01
	Less haul 100ft	L.Day / m ³	0.196
17	Desilting in canal and spoil to waste as directed		
	Desilt manual	m ³ /Day	1.415
	EARTH WORK - MACHINERY		
18	Borrowing earth from identified borrow areas including transport, benching, placing in layers average thickness not more than 225mm as earth filling in existing bund embankment and picking roots, watering as directed, compacting by vibrating compactor		
	Borrow Earth - Dozing by Dozer	m ³ /Day	633.92
	Loading by Back-hoe	m ³ /Day	289.23
	Spreading by dozer - 100 ft	m ³ /Day	3,090.36
	Picking roots by manual	L.Day / m ³	0.024
	Watering on tank bund for compaction by Bowser	m ³ /Day	142
	Compaction in tank bund by Sheep Foot roller	m ³ /Day	1,881.4
19	Earth Excavation from borrow and forming Canal bund including Compaction by Machinery and shaping by manual		
	Borrow Earth by Excavator	m ³ /Day	289.23
	Shaping by manual	m ³ /Day	100
	Compacting by Back - hoe	m ³ /Day	300
20	Earth Cutting in canal or canal reservation and forming Canal bund including Compaction by Machinery and shaping by manual		
	Earth cutting by Back - hoe	m ³ /Day	289.23
	Shaping by manual	m ³ /Day	100
	Compacting by Back - hoe	m ³ /Day	300
21	Earth cutting in canal and spoil to waste as directed		
	Earth cutting by Excavator	m ³ /Day	289.23
22	Earth deduction along spill tail canal and spoil to deposit		
	Earth - Dozing by Dozer	m ³ /Day	633.92
	Loading by Back-hoe	m ³ /Day	289.23
23	Earth deduction along spill tail canal and level / heap		
	Earth - Dozing by Dozer	m ³ /Day	633.92

Irrigation Works Rate 2024

No	Description	Unit	Qty
24	Earth Excavation from borrow and forming canal bund by manual Transport by tractor (Earth cutting by machinery)		
	Earth cutting by Excavator	m ³ /Day	289.23
	Placing and compaction in tank bund by manual	L.Day / m ³	0.213
	Watering on tank bund for compaction by manual	L.Day / m ³	0.01
25	Cut open the bund and Spoil to waste by machinery		
	Cut open by Excavator	m ³ /Day	289.23
26	Cut open the bund by Machinery and filling by manual		
	Cut open by Excavator	m ³ /Day	289.23
	Refilling haul manual 100'	L.Day / m ³	0.196
	Placing and compaction in tank bund manual	L.Day / m ³	0.213
	Watering on tank bund for compaction manual	L.Day / m ³	0.01
27	Cut open the bund and refilling including watering and compaction by machinery		
	Cut open by Excavator	m ³ /Day	289.23
	Refilling by Back-hoe	m ³ /Day	904
	Spreading manual	L.Day / m ³	0.09
	Watering on tank bund for compaction by bowser	m ³ /Day	142
	Compaction in tank bund by sheep foot roller	m ³ /Day	141.5
	GRAVEL WORK		
28	Furnishing, transporting, placing and spreading of gravel on the bund including watering and compaction by manual		
	Gravel cut and lift 5' haul 200'	L.Day / m ³	1.04
	Placing and compaction in tank bund including picking roots and spreading	L.Day / m ³	0.213
	Watering on tank bund for compaction	L.Day / m ³	0.01
	Less haul 50'	L.Day / m ³	0.196
29	Furnishing, transporting, placing and spreading of gravel on the bund including watering and compaction by machinery		
	Gravel Cutting by Back-hoe	m ³ /Day	245.36
	Spreading by dozer - 100'	m ³ /Day	2,988.5
	Watering on tank bund for compaction by bowser	m ³ /Day	142
	Compaction in tank bund by Sheep Foot Roller	m ³ /Day	1,881.4
30	Furnishing and placing 0.15m thick gravel bedding for placement of Rip rap as directed		
	Spreading by dozer - 100 '	m ³ /Day	2,988.5
	Compaction in tank bund by Dozer	m ³ /Day	664.107

Irrigation Works Rate 2024

No	Description	Unit	Qty
	ROAD WAY		
31	Trimming and comparing road way by machinery		
	Data for 1025 sq.m. for a 200mm thick layer		
	Volume of soil in the area	cu.m(VankVol)	205
	Grader blade efficiency	%	85
	Time for 4 passes in 1025 sq.m area	Hours	1.5
	Hire charges 120 - 140 hp motor grader	Hours	1.5
	Cost of banks men s/sk	Hours	1.5
32	Earth Excavation from borrow and forming Road way		
	Borrow Earth Dozing by Dozer	m ³ /Day	633.92
	Loading by Back-hoe	m ³ /Day	289.23
	Spreading by Dozer - 100'	m ³ /Day	2,988.5
	Picking roots Manual	L.Day / m ³	0.024
	Watering on tank bund for compaction by Bowser	m ³ /Day	142
	Compaction in road way by Vibrating roller	m ³ /Day	2,822.1
33	Furnishing, transporting, placing and spreading of gravel on the road way including watering and compaction		
	Gravel Cutting by Back-hoe	m ³ /Day	245.36
	Spreading by Dozer - 100'	m ³ /Day	1,992.32
	Watering on tank bund for compaction	m ³ /Day	142
	Compaction in road way by Vibrating roller	m ³ /Day	1,881.4
34	Supplying turf sods to site, preparation and dressing of surface, firmly placing and full turfing to new fill and watering and kept moist till grass root up as directed by the Engineer.		
	Cutting and planting turf in slopes	L.Day / m ²	0.072
	L.days for watering	L.Day / m ²	0.0011
	Water for turf	1	12.474
	Loading / unloading	L.Day / m ²	0.0269

Irrigation Works Rate 2024

6.3 NORMS FOR CONCRETE AND OTHERS			
No	Description	Unit	Quantity
1	Reinforcement		
	Material including 25% for waste & lap of unit rate for 1kg Tor steel reinforcement	kg	1.25
	2% Cost of Tor steel for bindings wire		
	1% Cost of Tor Steel for cover blocks		
	Skilled Labour	L.Day	0.01
	Unskilled Labour	L.Day	0.03
2	Formwork in Timber		
	Plywood	Sq	1.15
	25 % cost of Planks for struts and battens		
	Assorted wire nails	kg	7
	5 % cost of Planks for deboning materials		
	Skilled for making for 6 uses	L.Day	0.5
	Unskilled for making for 6 uses	L.Day	0.5
	Unskilled for fixing and removing	L.Day	1
3	6"-9" Random Rubble Masonry		
	Cement	bags	2
	Rubble	m ³	1.37
	Sand	m ³	0.34
	Water	lit	58.83
	Mason	L.Day	0.26
	Labourer	L.Day	1.77
4	6"-9" Random Rubble Pitching - Thickness 9"		
	Cement	bags	0.45
	Rubble	m ³	0.33
	Sand	m ³	0.08
	Water	lit	14.24
	Mason	L.Day	0.054
	Labourer	L.Day	0.38
5	300-450mm Removing Rip Rap		
	Labourer Removing existing rip rap	L.Day	0.21
6	300-450mm Removing and Repacking Rip Rap		
	Labourer Removing existing rip rap	L.Day	0.21
	Labourer Repacking rip rap	L.Day	0.21
7	Supplying & Dumping Rip Rap 300 - 450mm		
	Rubble 300 - 450mm	m ³	1.05
8	Placing & Packing Rip rap (Manual)		
	Labourer for placing & packing rip rap	L.Day	0.23

Irrigation Works Rate 2024

No	Description	Unit	Qty
9	Rubble Packing (Manual)		
	Rubble 150mm-225mm	m ³	1.05
	Back Hoe	M.Hrs	0.028
	Internal Transport	m ³	1
	Placing & packing	day	0.2

No.	Description	Unit	Machinery			Manual		
			1:3:6	1:2:4	1:1 ¹ / ₂ :3	1:3:6	1:2:4	1:1 ¹ / ₂ :3
10.0	Cement	bags	4.54	6.40	8.10	4.54	6.40	8.10
11.0	Metal	m ³	0.92	0.88	0.82	0.92	0.88	0.82
12.0	Sand	m ³	0.46	0.44	0.41	0.46	0.44	0.41
13.0	Water	lit	158.90	160.00	182.25	158.90	160.00	182.25
14.0	Skilled Labour	day	0.35	0.35	0.35	0.35	0.35	0.35
15.0	Unskilled Labour	day	1.06	1.06	1.06	2.74	2.74	2.74
16.0	Mixture	hrs	0.71	0.71	0.71			
17.0	Vibrator	hrs	0.35	0.35	0.35			
18.0	Tools & Equipment	L.Cost	0.03	0.03	0.03	0.03	0.03	0.03

Irrigation Works Rate 2024

6.4. NORMS FOR GATES						
No.	Size of gate		For fixing gate		Loading (by team of 2 unskilled workmen per hour)	Unloading (by team of 2 unskilled workmen per hour)
			Skilled Labour	Unskilled Labour		
1	6" dia	150mm dia	0.4	1.4	8	8
2	9" dia	225mm dia	0.4	1.4	8	8
3	12" dia	300mm dia	0.5	1.5	4	4
4	15" dia	380mm dia	0.5	1.5	4	4
5	18" dia	450mm dia	0.75	2.75	4	4
6	24" dia	600mm dia	1	5	2	2
7	30" dia	750mm dia	1.5	7	2	2
8	36" dia	900mm dia	1.5	7	1	1

6.5 NORMS FOR HUME PIPES FOR L.ft							
No	Size of Hume pipe		For Laying & Jointing		Loading (by team of 2 unskilled workmen per hour)	Unloading (by team of 2 unskilled workmen per hour)	Joint materials
			Skilled Labour	Unskilled Labour			
1	4" dia	100mm dia	0.5/60	2/60	36ft	36ft	1½ % cost of pipe
2	6" dia	150mm dia	0.5/60	2/60	36ft	36ft	
3	9" dia	225mm dia	0.5/42	2/42	36ft	36ft	
4	12" dia	300mm dia	0.5/24	2/24	36ft	36ft	
5	15" dia	380mm dia	0.5/24	2/24	36ft	36ft	
6	18" dia	450mm dia	1/30	4/30	16ft	16ft	
7	24" dia	600mm dia	1/24	4/24	16ft	16ft	
8	30" dia	750mm dia	1/18	4/18	8ft	8ft	
9	36" dia	900mm dia	1/18	6/18	8ft	8ft	
10	48" dia	1200mm dia	1/12	6/12	4ft	4ft	

6.6 NORMS FOR MISCELLANEOUS WORKS			
No	Description	Unit	Quantity
1	Supplying and fixing of 12mm Ø 0.45m long Mild steel Dowel		
	Weight of Steel	kg	0.4
	Skilled Labour	L.Day	0.1
	Unskilled Labour	L.Day	0.1
2	Supplying and Fixing of 16mm Ø 0.45m long Mild steel Dowel		
	Weight of Steel	kg	0.71
	Skilled Labour	L.Day	0.125
	Unskilled Labour	L.Day	0.125
3	Furnishing and fixing 50 x 100mm R.C.C. hand rails with 2 Nos. 10mm Ø reinforcement including form work		
	1:2:4 (20 mm) ct. concrete per L/m	m ³	0.005
	Formwork	m ²	0.3
	Fixing Skilled Labour	L.Day	0.166
	Fixing Unskilled Labour	L.Day	0.166
	Reinforcement	kg	1.234
4	Guard Stones		
	12 mm Tor steel	kg	3.2
	1:2:4(20mm) ct. con	m ³	0.026
	Form work	m ²	0.393
5	Forming of Sand in Pohora Bags.		
	Unskilled Labour	L.Day	0.033
6	Stitching of Sand Bags.		
	Unskilled Labour	L.Day	0.005
7	Laying of Sand Bags.		
	Unskilled Labour	L.Day	0.025
8	Removing of Sand Bags.		
	Unskilled Labour	L.Day	0.025
9	Rate Analysis for fabricating and installation of 1350mm x 750m size steel paneled gate		
	50mm x50mm x6mm L angle	m	7.05
	6mm thick steel plate	m ²	1.013
	37.5mm Dia spindle bar	m	2.25
	Thread cutting charges	ft	3.445
	37.5mm Dia GI housing, base plate & locking arrangement with full set	No	1
	Brass nut	No	1
	150mm x75mm size channel iron	m	1.65
	Rag bolt 3/4" x 9"	Nos	2
	Operating handle	No	1

Irrigation Works Rate 2024

No	Description	Unit	Quantity
10	Water Level Measuring Gauge		
	Supplying and fixing 0.15m x 13.72m Stainless steel plat in approved colour printing of water level measuring gauge		
	16 gauge stainless steel plat (including wastage)	m ²	2.97
	Colour print	m ²	2.97
	Stainless scrow	Nos	64
	Skill labour	L.day	2
	Painter	L.day	2
	Welder	L.day	2
	Labour	L.day	6
11	Furnishing, & Packing 225 x 150 mm random rubble in to Gabion boxes		
	Rubble	Cube	1.44
	Unskilled Labour	L.Day	4.25
	Skilled	L.Day	0.85
12	Furnishing, & Laying Polyfelt Geosynthetics sheet 1.5mmthk. for gabion boxes		
	Unskilled Labour	L.Day	0.05
13	Furnishing, & Laying Polyfelt Geosynthetics 2.5mmthk. sheet for gabion boxes		
	Unskilled Labour	L.Day	0.05
14	Expansion joints in concrete		
	Bitumen	Lit	22.5
	River sand	Cube	5
	Skill Labour	L.day	2.5
	Unskill Labour	L.day	2.5

6.7 NORMS FOR GABION BOX

No	Size	Lacing & placing or 1 No Gabion Box/ L Day
1	1.0 x 0.5 x 0.5	0.167
2	1.0 x 1.0 x 1.0	0.292
3	1.5 x 1.0 x 1.0	0.313
4	2.0 x 1.0 x 1.0	0.333
5	2.0 x 1.0 x 0.5	0.250
6	3.0 x 1.0 x 1.0	0.375
7	3.0 x 1.0 x 0.5	0.292

6.8 NORMS FOR AGRICULTURE WELLS**Rate adjustment for Agriculture Wells**

Depth in ft	Plastering	Block Work	Rubble Masonary
0 - 05	add 0.25 L.Days	add 0.25 L.Days	add 0.25 L.Days
05 - 10	add 0.5 L.Days	add 0.5 L.Days	add 0.5 L.Days
10 - 15	add 0.75 L.Days	add 0.75 L.Days	add 0.75 L.Days
15 - 20	add 1 L.Days	add 1 L.Days	add 1 L.Days

Earth Excavation

Lift in ft	Production of 8 hrs Excavator in m ³		Shaping by manual (m ³ per day)	Spreading by dozer - 100 ft (m ³ per day)
	Cutting	Lifting		
0 - 5	144.613	289.23	100	2988.48
5 - 10	141.783	283.57		
10 - 15	138.387	276.77		
15 - 20	135.274	270.55		

No	Description	Unit	Quantity
	16mm thick cement and sand 1:3 Plastering		
	Cement	Cube	1.47
	River sand	Cube	0.06
	Skill Labour	L.day	0.75
	Unskill Labour	L.day	1.50
	Cement Concrete block in 1:4:5(20mm) Masonry 1:5 Cement and Sand		
	Block Casting: Cement	Cwt	11.25
	River Sand	Cube	0.60
	¾" Metal	Cube	1.00
	Skill Labour	L.day	4.5
	Unskill Labour	L.day	9.00
	Basket		0.66
	Masonry work: Cement	Cwt	2.5
	River Sand	Cube	0.25
	Skill Labour	L.day	2.50
	Unskill Labour	L.day	4.00
	Basket		0.33

* Rate to be added for every 5' depth as 5%, 7%, 10%, 13%, 16%.

Irrigation Works Rate 2024

6.9 RATES FOR IRRIGATION WORKS							
No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
6.9.1 CLEARING WORKS - MANUAL							
1	Light jungle clearing along the tank bund / Canal / Spill tail canal /road way and reservations including uprooting stumps removing outside and burning to ashes as directed.	ha	162,800.00	148,000.00	170,200.00	185,000.00	162,800.00
2	Shrub and thorny jungle clearing along the Tank bund / Canal / Spill tail canal /road way and reservations including uprooting stumps removing outside and burning to ashes where ever necessary as directed.	ha	107,800.00	98,000.00	112,700.00	122,500.00	107,800.00
3	Secondary growth jungle clearing along the tank bund / Canal / Spill tail canal / road way and reservations including uprooting and removing outside and burning to ashes as directed.	ha	81,400.00	74,000.00	85,100.00	92,500.00	81,400.00
4	Weeding and clearing along the tank bund / Canal / Spill tail canal /road way and reservations as directed.	m ²	8.00	8.00	9.00	10.00	8.00
5	Stripping top soil along the upstream slope, downstream slope and top of the bund to a thickness of 0.075 meters in order to receive new earth and spoils to be disposed outside the reservation as directed	m ³	1,727.00	1,570.00	1,805.00	1,962.00	1,727.00
6	Scarifying top soil along the upstream slope, downstream slope and top of the bund / canal bund to a thickness of 0.025 meters in order to receive new earth and spoils to be disposed outside the reservation as directed	m ²	44.00	40.00	46.00	50.00	44.00

Irrigation Works Rate 2024

No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
6.9.2 CLEARING WORKS - MACHINERY							
7	Light jungle clearing along the tank bund / Canal / Spill tail canal / road way and reservations including uprooting stumps removing outside and burning to ashes as directed.	ha	49,660.00	46,942.00	49,783.00	62,384.00	64,484.00
8	Shrub and thorny jungle clearing along the Tank bund / Canal / Spill tail canal / road way and reservations including uprooting stumps removing outside and burning to ashes where ever necessary as directed.	ha	33,106.00	31,295.00	33,189.00	41,589.00	42,989.00
9	Medium jungle clearing along the tank bund / Canal / Spill tail canal / road way and reservations including uprooting stumps removing outside and burning to ashes as directed.	ha	66,227.00	62,602.00	66,392.00	83,196.00	85,996.00
10	Common jungle clearing along the tank bund / Canal / Spill tail canal / road way and reservations including uprooting stumps removing outside and burning to ashes as directed.	ha	51,553.00	93,220.00	93,644.00	88,276.00	87,853.00
11	Heavy jungle clearing along the tank bund / Canal / Spill tail canal / road way and reservations including uprooting stumps removing outside and burning to ashes as directed.	ha	54,681.00	98,876.00	99,325.00	93,632.00	93,183.00

Irrigation Works Rate 2024

No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
12	Stripping top soil along the upstream slope, downstream slope and top of the bund to a thickness of 0.075 meters in order to receive new earth and spoils to be disposed outside the reservation as directed	m ³	211.00	220.00	214.00	223.00	241.00
6.9.3 EARTH WORK - MANUAL							
13	Earth Excavation in foundation and back filling / spoil to waste / dump including watering and compaction	m ³	2,288.00	2,080.00	2,392.00	2,600.00	2,288.00
14	Borrowing earth from identified borrow areas including transport and placing in tank bund to the design profile in 225 mm layers including watering and compacting	m ³	1,772.00	1,630.00	1,844.00	1,987.00	1,724.00
15	Earth Excavation from borrow and forming canal bund including watering and compacting	m ³	1,724.00	1,582.00	1,796.00	1,939.00	1,724.00
16	Earth Cutting in canal and forming canal bund including watering and compacting	m ³	2,002.00	1,820.00	2,093.00	2,275.00	2,002.00
17	Desilting in canal and spoil to waste as directed	m ³	1,554.00	1,413.00	1,625.00	1,766.00	1,554.00
6.9.4 EARTH WORK - MACHINERY							
18	Borrowing earth from identified borrow areas including transport, benching, placing in layers average thickness not more than 225mm as earth filling in existing bund embankment and picking roots, watering as directed, compacting by vibrating compactor	m ³	666.00	722.00	692.00	741.00	772.00

Irrigation Works Rate 2024

No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
19	Earth Excavation from borrow and forming Canal bund including Compaction by Machinery and shaping by manual	m ³	586.00	693.00	614.00	589.00	772.00
20	Earth Cutting in canal or canal reservation and forming Canal bund including Compaction by Machinery and shaping by manual	m ³	432.00	539.00	460.00	435.00	568.00
21	Earth cutting in canal and spoil to waste as directed	m ³	328.00	384.00	378.00	364.00	434.00
22	Earth deduction along spill tail canal and spoil to deposit	m ³	452.00	501.00	501.00	520.00	596.00
23	Earth deduction along spill tail canal and level / heap	m ³	123.00	117.00	123.00	156.00	162.00
24	Earth Excavation from borrow and forming canal bund by manual Tpt by tractor (Earth cutting by machinery)	m ³	819.00	830.00	890.00	921.00	924.00
25	Cut open the bund and Spoil to waste by machinery	m ³	328.00	384.00	378.00	364.00	434.00
26	Cut open the bund by Machinery and filling by manual	m ³	1,131.00	1,104.00	1,187.00	1,257.00	1,201.00
27	Cut open the bund and refilling including watering and compaction by machinery	m ³	944.00	1,171.00	1,220.00	1,263.00	1,237.00
6.9.5 GRAVEL WORK							
28	Furnishing, transporting, placing and spreading of gravel on the bund including watering and compaction by manual	m ³	8,104.00	6,210.00	6,192.00	4,736.00	6,030.00
29	Furnishing, transporting, placing and spreading of gravel on the bund including watering and compaction by machinery	m ³	6,130.00	4,526.00	4,137.00	2,576.00	4,234.00

Irrigation Works Rate 2024

No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
30	Furnishing and placing 0.15m thick gravel bedding for placement of Rip rap as directed	m ³	5,259.00	3,758.00	3,553.00	2,107.00	3,598.00
6.9.6 ROAD WAY							
31	Trimming and camparing road way by machinery	m ²	17.00	16.00	12.00	15.00	17.00
32	Earth Excavation from borrow and forming Road way	m ³	655.00	710.00	667.00	723.00	755.00
33	Furnishing, transporting, placing and spreading of gravel on the road way including watering and compaction	m ³	6,134.00	4,533.00	4,129.00	2,480.00	4,195.00
34	Supplying turf sods to site, preparation and dressing of surface, firmly placing and full turving to new fill and watering and kept moist till grass root up as directed by the Engineer.	m ²	272.00	223.00	251.00	271.00	253.00
6.9.7 CONCRETE - MANUAL							
35	1:3:6(40) Ct. sand concrete compacting with porker viberator including curing without form work	m ³	26,813.00	24,059.00	23,749.00	24,470.00	23,576.00
36	1:3:6(40) Ct. sand concrete compacting with porker viberator including curing with form work	m ³	28,893.00	26,094.00	25,863.00	26,552.00	25,832.00
37	1:2:4(20) Ct. sand concrete compacting with porker viberator including curing without form work	m ³	30,783.00	27,969.00	27,678.00	28,429.00	27,189.00
38	1:2:4(20) Ct. sand concrete compacting with porker viberator including curing with form work	m ³	33,560.00	30,685.00	30,501.00	31,209.00	30,202.00
39	1:1 1/2:3(20) Ct. sand concrete compacting with porker viberator including curing without form work	m ³	33,461.00	30,743.00	30,495.00	31,271.00	30,043.00

Irrigation Works Rate 2024

No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
40	1:1 1/2:3(20) Ct. sand concrete compacting with porker viberator including curing with form work	m ³	35,172.00	32,416.00	32,234.00	32,983.00	31,898.00
6.9.8 CONCRETE - MACHINERY (MIXTURE)							
41	1:3:6(40) Ct. sand concrete using concrete mixer and compacting with porker viberator including curing without form work	m ³	23,694.00	21,286.00	20,457.00	20,831.00	20,456.00
42	1:3:6(40) Ct. sand concrete using concrete mixer and compacting with porker viberator including curing with form work	m ³	25,774.00	23,320.00	22,571.00	22,913.00	22,713.00
43	1:2:4(20) Ct. sand concrete using concrete mixer and compacting with porker viberator including curing without form work	m ³	27,663.00	25,195.00	24,385.00	24,790.00	24,069.00
44	1:2:4(20) Ct. sand concrete using concrete mixer and compacting with porker viberator including curing with form work	m ³	30,440.00	27,911.00	27,208.00	27,570.00	27,082.00
45	1:1 1/2:3(20) Ct. sand concrete using concrete mixer and compacting with porker viberator including curing without form work	m ³	30,341.00	27,969.00	27,202.00	27,632.00	26,923.00
46	1:1 1/2:3(20) Ct. sand concrete using concrete mixer and compacting with porker viberator including curing with form work	m ³	32,073.00	29,663.00	28,962.00	29,365.00	28,801.00
6.9.9 RUBBLE WORK							
47	Supplying and placing 150-225mm random rubble masonry work with 1:5 ct.sand motor	m ³	19,087.00	17,108.00	15,669.00	15,683.00	15,785.00

Irrigation Works Rate 2024

No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
48	Supplying and placing 225mm thick random rubble pitching work using 150-225mm rubble with 1:5 ct.sand motor	m ²	4,389.00	3,922.00	3,565.00	3,560.00	3,599.00
49	Supplying and heaping 300 - 450 mm rubble for rip rap	m ³	5,776.00	5,396.00	3,834.00	3,360.00	4,131.00
50	Placing Rip-Rap from the dumped rubble an average thickness of 300/450 mm on upstream slope of bund as directed by the Engineer. (Rate includes the necessary internal transport and loading)	m ³	506.00	460.00	529.00	575.00	506.00
51	Removing existing collapsed rip -rap and heaping the rubble as directed by the Engineer.	m ³	462.00	420.00	483.00	525.00	462.00
52	Removing and re packing rip rap as directed by the Engineer.	m ³	924.00	840.00	966.00	1,050.00	924.00
53	Supplying and placing 150-225mm rubble packing	m ³	6,542.00	6,177.00	4,634.00	4,186.00	4,966.00
6.9.10 REINFORCEMENT							
54	Supplying bending and placing QT Rib bar as reinforcement	kg	423.00	416.00	428.00	434.00	423.00
6.9.11 FORMWORK							
55	Furnishing and making of form work made out 20mm thick plywood with necessary frame and supports including fixing and removing as directed	m ²	1,055.00	1,032.00	1,073.00	1,056.00	1,145.00
6.9.12 HUME PIPES							
56	Supplying, laying and jointing 100 mm dia hume pipe in position	l.m	4,046.00	4,168.00	4,076.00	3,543.00	4,278.00
57	Supplying, laying and jointing 150 mm dia hume pipe in position	l.m	4,628.00	4,918.00	4,658.00	4,126.00	4,861.00
58	Supplying, laying and jointing 225 mm dia hume pipe in position	l.m	5,697.00	5,769.00	5,736.00	5,212.00	5,930.00

Irrigation Works Rate 2024

No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
59	Supplying, laying and jointing 300 mm dia hume pipe in position	l.m	6,965.00	7,638.00	7,024.00	6,522.00	7,197.00
60	Supplying, laying and jointing 375 mm dia hume pipe in position	l.m	7,464.00	8,137.00	7,523.00	7,021.00	7,697.00
61	Supplying, laying and jointing 450 mm dia hume pipe in position	l.m	9,960.00	10,137.00	10,063.00	8,734.00	10,551.00
62	Supplying, laying and jointing 600 mm dia hume pipe in position	l.m	13,807.00	13,962.00	13,929.00	12,621.00	14,398.00
63	Supplying, laying and jointing 900 mm dia hume pipe in position	l.m	22,519.00	23,822.00	22,733.00	20,360.00	23,602.00
64	Supplying, laying and jointing 1200 mm dia hume pipe in position	l.m	44,232.00	44,867.00	44,577.00	39,727.00	46,399.00
6.9.13 GATES							
65	Supplying and fixing 150mm Dia C.I Gate with complete set including spindle long, base plate, Brass nut, Rag Bolts,ect in position	Nr	59,217.00	58,925.00	59,600.00	59,807.00	59,341.00
66	Supplying and fixing 225mm Dia C.I Gate with complete set including spindle long, base plate, Brass nut, Rag Bolts,ect in position	Nr	89,217.00	88,925.00	89,600.00	89,807.00	89,341.00
67	Supplying and fixing 300mm Dia C.I Gate with complete set including spindle, base plate, Brass nut, Rag Bolts,ect in position	Nr	94,825.00	94,500.00	95,370.00	95,539.00	95,072.00
68	Supplying and fixing 375mm Dia C.I Gate with complete set including spindle, base plate, Brass nut, Rag Bolts,ect in position	Nr	104,825.00	104,500.00	105,370.00	105,539.00	105,072.00
69	Supplying and fixing 450mm Dia C.I Gate with complete set including spindle, base plate, Brass nut, Rag Bolts,ect in position	Nr	143,200.00	142,625.00	143,945.00	144,351.00	143,447.00

Irrigation Works Rate 2024

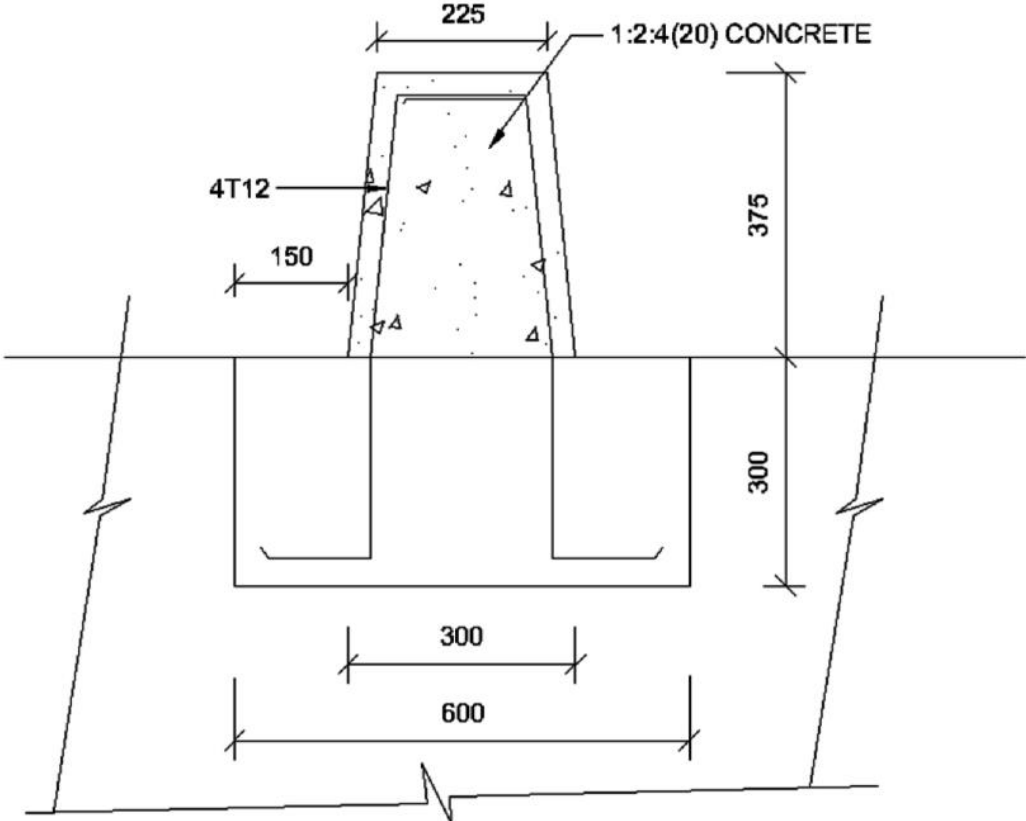
No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
70	Supplying and fixing 600mm Dia C.I Gate with complete set including, base plate, Brass nut, Rag Bolts,ect in position	Nr	199,050.00	198,000.00	200,320.00	201,069.00	199,522.00
71	Supplying and fixing 750mm Dia C.I Gate with complete set including, base plate, Brass nut, Rag Bolts,ect in position	Nr	259,700.00	258,250.00	261,320.00	262,444.00	260,172.00
72	Supplying and fixing 900mm Dia C.I Gate with complete set including spindle, base plate, Brass nut, Rag Bolts,ect in position	Nr	381,000.00	379,350.00	382,362.00	384,117.00	381,649.00
73	Supplying fabricating and installation of 1350mm x 750m size steel paneled gate	Nr	102,475.00	105,605.00	109,811.00	112,167.00	112,176.00
6.9.14 MISCELLINIOUS							
74	Supplying and fixing of 12mm dia. 0.45 m long mild steel dowels	Nr	574.00	554.00	614.00	629.00	574.00
75	Supplying and fixing of 16mm dia. 0.45 m long mild steel dowels	Nr	772.00	747.00	822.00	841.00	772.00
76	Chemical Anchoring for 10 mm dia bar 100 mm anchoring length (excluding anchor bar)	Nr	435.00	409.00	438.00	460.00	435.00
77	Furnishing and fixing 50*100mm R.C.C. hand rails with 2 Nos. 10mm dia. Reinforcement including formwork	m	1,776.00	1,714.00	1,839.00	1,870.00	1,784.00
78	Providing guard stones as per type NP/IRR/GS/Type No 01	Nr	5,918.00	5,531.00	5,508.00	5,602.00	5,471.00
79	Providing of 50 x 100 weep holes as per type NP/IRR/WH/Type No 01	Nr	4,408.00	2,632.00	3,001.00	2,862.00	2,908.00
80	Water Pumps 50 mm (2")	Hr	562.00	562.00	562.00	750.00	500.00
81	Water Pumps 75 mm (3")	Hr	625.00	625.00	625.00	875.00	625.00
82	Supplying of empty C.I.C. pohora bags (50kg size of fertilizer)	Nr	70.00	70.00	70.00	70.00	70.00
83	Forming of sand in pohora bags.	Nr	73.00	66.00	76.00	83.00	73.00

Irrigation Works Rate 2024

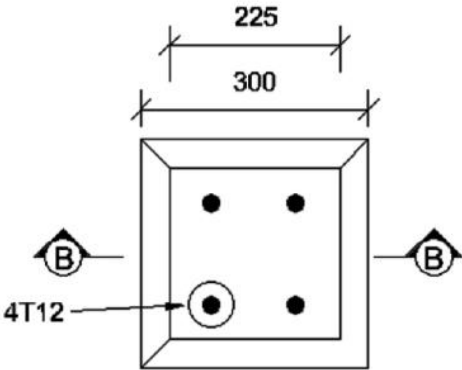
No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
84	Stitching of sand bags.	Nr	11.00	10.00	11.00	12.00	11.00
85	Laying of sand bags.	Nr	55.00	50.00	57.00	62.00	55.00
86	Removing of sand bags.	Nr	55.00	50.00	57.00	62.00	55.00
87	Water level measuring gauge	m ²	50,275.00	51,467.00	51,660.00	52,972.00	51,441.00
88	Expansion joints in concrete floors filling with bitumen and sand mix (to full depth of concrete and rendering).	m ²	2,749.00	2,584.00	2,844.00	2,900.00	2,676.00
6.9.15 GABIONS							
89	Furnishing, Lacing & Placing of PVC Coated 1 x 0.5 x 0.5 m Gabions boxes	Nr	4,591.00	4,558.00	4,608.00	4,641.00	4,591.00
90	Furnishing, Lacing & Placing of PVC Coated 1.0 x 1.0 x 1.0 m Gabions boxes	Nr	10,391.00	10,333.00	10,420.00	10,479.00	10,391.00
91	Furnishing, Lacing & Placing of PVC Coated 1.5 x 1.0 x 1.0 m Gabions boxes	Nr	13,037.00	12,974.00	13,068.00	13,131.00	13,037.00
92	Furnishing, Lacing & Placing of PVC Coated 2.0 x 1.0 x 1.0 m Gabions boxes	Nr	17,373.00	17,306.00	17,406.00	17,473.00	17,373.00
93	Furnishing, Lacing & Placing of PVC Coated 2.0 x 1.0 x 0.5 m Gabions boxes	Nr	12,380.00	12,329.00	12,404.00	12,455.00	12,380.00
94	Furnishing, Lacing & Placing of PVC Coated 3.0 x 1.0 x 1.0 m Gabions boxes	Nr	24,095.00	24,019.00	24,132.00	24,207.00	24,095.00
95	Furnishing, Lacing & Placing of PVC Coated 3.0 x 1.0 x 0.5 m Gabions boxes	Nr	19,101.00	19,043.00	19,130.00	19,189.00	19,101.00
96	Furnishing, & Laying Polyfelt Geosynthetics 1.5mmthk. sheet for gabion boxes	m ²	460.00	650.00	475.00	455.00	440.00
97	Furnishing, & Laying Polyfelt Geosynthetics 2.5mmthk. sheet for gabion boxes	m ²	660.00	782.00	675.00	675.00	660.00

Irrigation Works Rate 2024

No	Description	Unit	Rate (Rs) without profit and overhead				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
98	Furnishing, & Packing 225 x 150 mm random rubble in to Gabion boxes	m ³	11,432.00	10,114.00	9,383.00	8,396.00	9,550.00
6.9.16 AGRICULTURE WELLS							
99	Earth Excavation in foundation 0-5 ft. lift up to 5ft. Spread with in 100ft. by Machinery and shaping by manual	m ³	673.00	835.00	715.00	683.00	889.00
100	Earth Excavation in foundation 5-10 ft. lift up to 10ft. Spread with in 100ft. by Machinery and shaping by manual	m ³	680.00	845.00	723.00	691.00	899.00
101	Earth Excavation in foundation 10-15 ft. lift up to 15ft. Spread with in 100ft. by Machinery and shaping by manual	m ³	703.00	873.00	747.00	713.00	929.00
102	Earth Excavation in foundation 15-20 ft. lift up to 20ft. Spread with in 100ft. by Machinery and shaping by manual	m ³	718.00	892.00	763.00	728.00	949.00
103	Soft Rock Excavation in foundation 0-5 ft. lift up to 5ft. Spread with in 100ft. by Machinery and shaping	m ³	1,123.00	1,405.00	1,195.00	1,133.00	1,489.00
104	16mm thick cement and sand 1:3 plastering	m ²	745.00	745.00	745.00	1,034.00	956.00
105	100mm Cement concrete block in 1:4:5[20mm] masonry in 1:5 cement and sand.	m ²	4,227.00	3,716.00	3,876.00	4,033.00	3,792.00
106	125mm Cement concrete block in 1:4:5[20mm] masonry in 1:5 cement and sand.	m ²	5,283.00	4,645.00	4,845.00	5,041.00	4,740.00



SECTION B-B

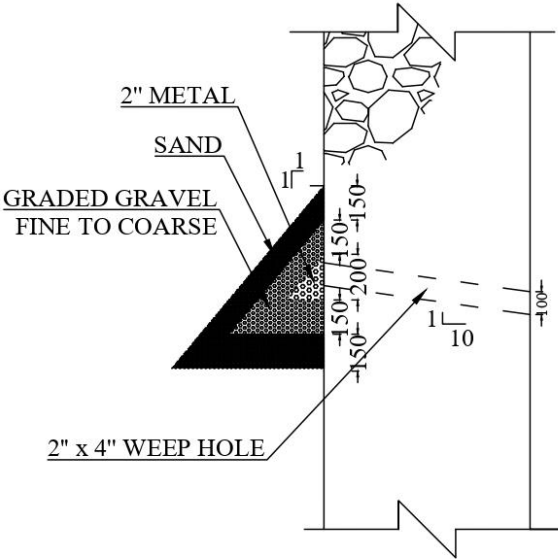


PLAN

Scale 1 : 10

DETAIL OF GUARD STONE TYPE -1

Dwg.No :- NP/IRR/GS/Type No. -01



SCALE 1:10

DETAIL OF WEEP HOLE
TYPE- 1

Dwg.No:- NP/IRR/WH/Type No-01

**RATES FOR
ROAD WORKS**

7.RATES FOR ROAD WORKS							
7.1 GENERAL SPECIFICATIONS FOR ROAD WORKS							
<ul style="list-style-type: none"> Standard Specification for Construction and Maintenance of Roads and Bridges (SSCM). 							
ICTAD publication No. SCA/5 second edition June 2009							
7.2 Section I – H.S.R. – Schedule of Prices							
New Code	Description of Item	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
7.2.1 Hire Charges (Wet lease basic - including operator)							
B0-101	Tar Boiler (Heating with Firewood) (Less Operator) *	Day (6hrs)	100.00	100.00	100.00	100.00	100.00
B0-102	Concrete / Asphalt Mixer (400 Ltrs)	Day (6hrs)	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00
B0-103	Bitumen Sprayer (Less Operator) *	Day (6hrs)	110.00	110.00	110.00	110.00	110.00
B0-104	Water Tank + 50 mm. Pumb (Less Operator) *	Day (6hrs)	3,280.00	3,280.00	3,280.00	3,280.00	3,280.00
B0-105	Welding Plant Engine Driven: With Welder	Day (6hrs)	14,416.00	14,416.00	14,416.00	14,416.00	14,416.00
B0-106	Porker Vibrater (Less Operator) *	Day (6hrs)	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
B0-107	Plate Compactor (90 Kg) (Less Operator) *	Day (6hrs)	3,780.00	3,780.00	3,780.00	3,780.00	3,780.00
B0-108	Vibrating Rammer (60 Kg) (Less Operator) *	Day (6hrs)	3,874.00	3,874.00	3,874.00	3,874.00	3,874.00
B0-109	Vibrating Roller (1/2 - 1 Ton)	Day (6hrs)	8,457.00	8,457.00	8,457.00	8,457.00	8,457.00
B0-110	Vibrating Roller (Smooth - 10 Tons)	Day (6hrs)	48,780.00	48,780.00	48,780.00	48,780.00	48,780.00
B0-111	Smooth / Road Roller (8 - 10 Tons : Static)	Day (6hrs)	25,890.00	25,890.00	25,890.00	25,890.00	25,890.00
B0-112	Pneumatic Road Roller (8 - 10 Tons)	Hour	7,041.00	7,041.00	7,041.00	7,041.00	7,041.00
B0-112-A	Vibrating Roller (0.75 - 1.25 Ton)	Day	13,767.00	13,767.00	13,767.00	13,767.00	13,767.00
B0-113	Motor Grader (65 Hp)	Day (6hrs)	27,288.00	27,288.00	27,288.00	27,288.00	27,288.00
B0-114	Motor Grader (120 - 140 Hp)	Day (6hrs)	59,136.00	59,136.00	59,136.00	59,136.00	59,136.00
B0-115	Backhoe Loader (Jcb)	Day (6hrs)	31,515.00	31,515.00	31,515.00	31,515.00	31,515.00
B0-116	Whell Loader (1.4 Cu.M)	Day (6hrs)	32,303.00	32,303.00	32,303.00	32,303.00	32,303.00
B0-116a	Wheel loader (1.7 Cu.m)	Day (6hrs)	40,370.00	40,370.00	40,370.00	40,370.00	40,370.00
B0-117	Tractor & Trailer (3ton:)	Day (6hrs)	15,212.00	15,212.00	15,212.00	15,212.00	15,212.00
B0-118	Lorry / Tipper / Dt (Exceeding 10 km)	km/ Cu.m	34.50	34.50	34.50	34.50	34.50
B0-119	-Do - (For less than 10 km. distances)	km/ Cu.m	37.00	37.00	37.00	37.00	37.00

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New Code	Description of Item	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
B0-119-1	-Do - (For less than 03 km. distances)	km/Cu.m	39.50	39.50	39.50	39.50	39.50
B0-120	Transport of premix by dump truck **	km/M.Tonne	28.00	28.00	28.00	28.00	28.00
B0-120a	Transport of emulsion per 100 litres	km/100 Ltrs	4.00	4.00	4.00	4.00	4.00
B0-121	Sand / Chip spreader - propelled	Day (6hrs)	41,013.00	41,013.00	41,013.00	41,013.00	41,013.00
B0-121a	Sand / Chip spreader - towed	Day (6hrs)	2,908.00	2,908.00	2,908.00	2,908.00	2,908.00
B0-122	Farm tractor & broom	Day (6hrs)	11,674.00	11,674.00	11,674.00	11,674.00	11,674.00
B0-123	Emulsion sprayer self-prop. (4000 litres)	Day (6hrs)	26,436.00	26,436.00	26,436.00	26,436.00	26,436.00
B0-124	Wheel loader (2.7 - 3.1 Cu.m)	Day (6hrs)	45,980.00	45,980.00	45,980.00	45,980.00	45,980.00
B0-124a	Wheel loader (2.0 - 2.3 Cu.m)	Day (6hrs)	37,143.00	37,143.00	37,143.00	37,143.00	37,143.00
B0-125	Lorry 3 Ton (2.5 Cu.m)	km	78.00	78.00	78.00	78.00	78.00
B0-126	Lorry 5 Ton (3.5 Cu.m)	km	94.00	94.00	94.00	94.00	94.00
B0-127	Lorry 7 Ton (4.5 Cu.m)	km	113.00	113.00	113.00	113.00	113.00
B0-128	Water bowser (6000 litres)	Day (6hrs)	20,801.00	20,801.00	20,801.00	20,801.00	20,801.00
B0-129	Asphalt paver (Crawler)	Hour	10,254.00	10,254.00	10,254.00	10,254.00	10,254.00
B0-129a	Asphalt paver (Wheel)	Hour	10,686.00	10,686.00	10,686.00	10,686.00	10,686.00
B0-130	Tanker only (20,000 litres)	Hour	241.00	241.00	241.00	241.00	241.00
B0-131	Prime mover old (For 20,000 L Tanker)	Hour	9,247.00	9,247.00	9,247.00	9,247.00	9,247.00
B0-131a	Prime mover new (For 30 T Trailer)	Hour	9,247.00	9,247.00	9,247.00	9,247.00	9,247.00
B0-132	Baby dumper .75 Cu.m (Less operator)	Hour	1,752.00	1,752.00	1,752.00	1,752.00	1,752.00
B0-133	Water pump 4" (With operator)	Hour	1,663.00	1,663.00	1,663.00	1,663.00	1,663.00
B0-133a	Water pump 2" (Less operator)	Hour	776.00	776.00	776.00	776.00	776.00
B0-134	Sludge pump 4" (With operator)	Hour	2,295.00	2,295.00	2,295.00	2,295.00	2,295.00
B0-135	Vibrating roller (6 - 7 Tons) tandem	Hour	3,413.00	3,413.00	3,413.00	3,413.00	3,413.00
B0-136	Concrete mixer with load cell weigh batcher 14/10	Day (6hrs)	12,100.00	12,100.00	12,100.00	12,100.00	12,100.00
B0-137	Trolley emulsion (Less operator)	Hour	104.00	104.00	104.00	104.00	104.00
B0-138	Sprayer emulsion hand cart	Hour	1,178.00	1,178.00	1,178.00	1,178.00	1,178.00

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New Code	Description of Item	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
B0-139	Road marker hand cart gas heater	Hour	3,100.00	3,100.00	3,100.00	3,100.00	3,100.00
B0-140	Bitumen distributor 750 litres	Hour	2,207.00	2,207.00	2,207.00	2,207.00	2,207.00
B0-141	Tank truck bitumen 10,000 ltr	Hour	6,032.00	6,032.00	6,032.00	6,032.00	6,032.00
B0-142	Stone crusher 40 t/h	Hour	18,214.00	18,214.00	18,214.00	18,214.00	18,214.00
B0-143	Track drill crawler	Hour	2,521.00	2,521.00	2,521.00	2,521.00	2,521.00
B0-144	Compressor air 750 cfm	Hour	9,792.00	9,792.00	9,792.00	9,792.00	9,792.00
B0-145	Slurry sealing machine	Hour	16,971.00	16,971.00	16,971.00	16,971.00	16,971.00
B0-146	Mobile crane 25 ton	Day (6hrs)	10,483.00	10,483.00	10,483.00	10,483.00	10,483.00
B0-146 a	Mobile crane 30 ton - wet	Day (6hrs)	13,904.00	13,904.00	13,904.00	13,904.00	13,904.00
B0-147	Asphalt plant 60t/h hot mix	Hour	28,217.00	28,217.00	28,217.00	28,217.00	28,217.00
B0-148	Cold mix plant 15t/h ITEM DELETED	Hour	-	-	-	-	-
B0-149	Pickup truck 2wd ITEM DELETED	km	-	-	-	-	-
B0-150	Farm tractor with water bowser	Hour	2,535.00	2,535.00	2,535.00	2,535.00	2,535.00
B0-151	Lorry 17 ton self-loading (Wet)	km	292.00	292.00	292.00	292.00	292.00
B0-152	Tractor with emulsion bowser	Hour	1,644.00	1,644.00	1,644.00	1,644.00	1,644.00
B0-153	Emulsion tank truck (8000 litres)	km	225.00	225.00	225.00	225.00	225.00
B0-154	Dozer (Crawler tractor) D-4, D-41(80 - 100 HP)	Hour	6,884.00	6,884.00	6,884.00	6,884.00	6,884.00
B0-155	Excavator mobile	Hour	10,505.00	10,505.00	10,505.00	10,505.00	10,505.00
B0-156	Air compressor 250 cfm	Hour	5,297.00	5,297.00	5,297.00	5,297.00	5,297.00
B0-157	Hand held breaker (Demolisher) less operator	Day	679.00	679.00	679.00	679.00	679.00
B0-158	Rock drill hand held (less drill steel)	Hour	494.00	494.00	494.00	494.00	494.00
Supply of soil from borrow pits including loading and transport. (For quantities more than 300 Cu.m.)							
B0-201	Approved soil type I & II for bases & shoulders	Cu.m	3,887.00	2,297.00	2,650.00	1,413.00	2,650.00
B0-202	Approved soil type I & II for embankments	Cu.m	3,534.00	2,120.00	2,297.00	1,237.00	2,297.00

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New Code	Description of Item	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
7.2.2 Construction Material Prices							
Aggregate & Rubble							
Note * Unit rates are scheduled to the main town of each district (No transport will be added to 10km from that town)							
B0-301	(150mm - 225mm) Rubble - (Vehicle measurement, Excluding piling)	Cu.m	5,124.00	4,417.00	3,534.00	2,650.00	3,816.00
B0-302	(150mm - 225mm) Rubble piled	Cu.m	5,541.00	4,834.00	3,951.00	3,067.00	4,233.00
Manual Production							
B0-303	(100mm) Aggregate	Cu.m	6,890.00	5,300.00	4,594.00	3,710.00	4,240.00
Plant Production							
B0-308a	(19mm) Aggregate	Cu.m	7,420.00	6,360.00	5,654.00	4,947.00	5,477.00
B0-309	(12.5mm) Aggregate	Cu.m	5,830.00	5,124.00	4,947.00	3,534.00	4,770.00
B0-310	(37.5mm) - Do -, (S.S.C.M. Tb : 1701-1 / 1701-4)	Cu.m	6,537.00	5,654.00	4,947.00	4,240.00	5,124.00
B0-311	(50mm) - Do -, (S.S.C.M. Tb : 1701-4)	Cu.m	6,360.00	5,654.00	4,947.00	4,064.00	5,018.00
B0-312	Crusher Fines (6.3mm. Down wards)	Cu.m	4,700.00	4,064.00	4,240.00	2,473.00	4,064.00
B0-313	(37.5mm) Graded (Table 1701.5 for ABC)	Cu.m	7,774.00	5,830.00	5,300.00	3,887.00	4,770.00
Aggregate for seal coat treatments							
(Grading as per SSCM table 1701-8)							
B0-314	Aggregate 19mm	Cu.m	7,570.00	6,510.00	5,804.00	5,097.00	5,627.00
B0-315	Aggregate 12.5mm	Cu.m	5,980.00	5,274.00	5,097.00	3,684.00	4,920.00
B0-316	Aggregate 9.5mm	Cu.m	5,980.00	5,274.00	5,097.00	3,684.00	4,920.00
Sand (Unit rates are scheduled to the main town of each district)							
(No transport will be added to 10km from that town)							
B0-331	River sand for road surface applications (SSCM table 1701-9)	Cu.m	8,127.00	4,806.00	5,512.00	5,830.00	5,300.00
B0-332	River sand for concrete and masonry work (SSCM table 1701-2)	Cu.m	7,067.00	4,806.00	5,512.00	5,830.00	5,300.00
Bitumen & Emulsion							
B0-351	Bitumen 80/100[200 ltr Drums]	1	180.00	175.00	175.00	172.00	175.00
B0-351a	Bitumen 60/70 [140 ltr drums] (Ex-Stockist)	1	180.00	175.00	175.00	172.00	175.00
B0-352	Emulsion - C.S.S. 1	1	159.00	159.00	159.00	159.00	159.00
B0-353	Emulsion - C.R.S. 1	1	159.00	159.00	159.00	159.00	159.00
B0-354	Emulsion - C.R.S. 2	1	165.00	165.00	165.00	165.00	165.00

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New Code	Description of Item	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
B0-356	Mc 30	litre	280.00	280.00	280.00	280.00	280.00
7.2.3 Premixed Bituminous Materials (Ex-Plant)							
(Aggregate transport and royalty on aggregate if any to be paid separately)							
(For project use)							
B0-361	Asphalt concrete: surfacing material -	M.Ton	16,500.00	16,500.00	16,500.00	16,500.00	16,500.00
Timber & Firewood (Including transport cost)							
B0-391	Sawn timber class 1 (Local)	Cu.De ci.m	322.00	322.00	322.00	322.00	322.00
B0-392	Sawn timber class 2 (Local)	Cu.De ci.m	194.00	194.00	194.00	194.00	194.00
B0-393	Timber round jungle - 100mm minimum and 150mm average diameter	m	100.00	100.00	100.00	100.00	100.00
B0-394	Timber round jungle - 150mm minimum and 200mm average diameter	m	125.00	125.00	125.00	125.00	125.00
B0-395	Firewood	Cu.m	2,738.00	2,738.00	2,738.00	2,738.00	2,738.00
B0-396	Plywood (MR) for formwork - 15mm thick	Sq.m	2,073.00	2,073.00	2,073.00	2,073.00	2,073.00
B0-397	Bamboo tree length greater than 8 meters	No.	547.00	547.00	547.00	547.00	547.00
Cement (Including transport cost)							
B0-401	Portland cement (for all work)	Bag (50 kg)	1,907.00	1,907.00	1,907.00	1,907.00	1,907.00
Steel and steel items (Including transport cost)							
B0-411	Mild steel	kg	260.50	260.50	260.50	260.50	260.50
B0-411a	Tor steel	kg	260.50	260.50	260.50	260.50	260.50
B0-431	Binding wire	kg	443.00	443.00	443.00	443.00	443.00
B0-432	Wire nails, M.S.bolts & nuts	kg	369.00	369.00	369.00	369.00	369.00
B0-433	Stainless steel 20mm dia.(for dowels)	m	2,064.00	2,064.00	2,064.00	2,064.00	2,064.00
B0-434	GI Pipes,50mm diameter: heavy duty type	m	4,345.00	4,345.00	4,345.00	4,345.00	4,345.00
B0-435	M.S sheet,2mm thick	Sq.m	5,649.00	5,649.00	5,649.00	5,649.00	5,649.00

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7.2.4 Precast Concrete Items					
Minimum Price – Local transport to be added					
Reinforced Concrete Pipes & Collars- Jaffna					
	Diameter - mm	Length - mm	Unit	Pipe	Collar
				A	B
B0-441	153 (6")	2438 (8')	01 No.	7,000.00	1,500.00
B0-442	229 (9")	2438 (8')	01 No.	9,000.00	1,750.00
B0-443	305 (12")	2438 (8')	01 No.	11,000.00	2,000.00
B0-444	450 (1' 6")	2438 (8')	01 No.	14,000.00	2,250.00
B0-445	610 (2' 0")	2438 (8')	01 No.	22,000.00	2,750.00
B0-446	914 (3' 0")	1219 (4')	01 No.	17,500.00	3,500.00
B0-447	1219 (4' 0")	1219 (4')	01 No.	35,000.00	8,500.00
Reinforced Concrete Pipes & Collars- Kilinochchi					
	Diameter - mm	Length - mm	Unit	Pipe	Collar
				A	B
B0-441	153 (6")	2438 (8')	01 No.	7,000.00	1,500.00
B0-442	229 (9")	2438 (8')	01 No.	9,000.00	1,750.00
B0-443	305 (12")	2438 (8')	01 No.	11,000.00	2,000.00
B0-444	450 (1' 6")	2438 (8')	01 No.	14,000.00	2,250.00
B0-445	610 (2' 0")	2438 (8')	01 No.	22,000.00	2,750.00
B0-446	914 (3' 0")	1219 (4')	01 No.	17,500.00	3,500.00
B0-447	1219 (4' 0")	1219 (4')	01 No.	35,000.00	8,500.00
Reinforced Concrete Pipes & Collars- Mullaitivu					
	Diameter - mm	Length - mm	Unit	Pipe	Collar
				A	B
B0-441	153 (6")	2438 (8')	01 No.	7,000.00	1,500.00
B0-442	229 (9")	2438 (8')	01 No.	9,000.00	1,750.00
B0-443	305 (12")	2438 (8')	01 No.	11,000.00	2,000.00
B0-444	450 (1' 6")	2438 (8')	01 No.	14,000.00	2,250.00
B0-445	610 (2' 0")	2438 (8')	01 No.	22,000.00	2,750.00
B0-446	914 (3' 0")	1219 (4')	01 No.	17,500.00	3,500.00
B0-447	1219 (4' 0")	1219 (4')	01 No.	35,000.00	8,500.00
Reinforced Concrete Pipes & Collars- Vavuniya					
	Diameter - mm	Length - mm	Unit	Pipe	Collar
				A	B
B0-441	153 (6")	2438 (8')	01 No.	7,000.00	1,500.00
B0-442	229 (9")	2438 (8')	01 No.	9,000.00	1,750.00
B0-443	305 (12")	2438 (8')	01 No.	11,000.00	2,000.00
B0-444	450 (1' 6")	2438 (8')	01 No.	14,000.00	2,250.00
B0-445	610 (2' 0")	2438 (8')	01 No.	22,000.00	2,750.00
B0-446	914 (3' 0")	1219 (4')	01 No.	17,500.00	3,500.00
B0-447	1219 (4' 0")	1219 (4')	01 No.	35,000.00	8,500.00
Reinforced Concrete Pipes & Collars- Mannar					
	Diameter - mm	Length - mm	Unit	Pipe	Collar
				A	B
B0-441	153 (6")	2438 (8')	01 No.	7,000.00	1,500.00
B0-442	229 (9")	2438 (8')	01 No.	9,000.00	1,750.00
B0-443	305 (12")	2438 (8')	01 No.	11,000.00	2,000.00
B0-444	450 (1' 6")	2438 (8')	01 No.	14,000.00	2,250.00
B0-445	610 (2' 0")	2438 (8')	01 No.	22,000.00	2,750.00
B0-446	914 (3' 0")	1219 (4')	01 No.	17,500.00	3,500.00
B0-447	1219 (4' 0")	1219 (4')	01 No.	35,000.00	8,500.00

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New Code	Description of Item	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
Precast concrete items							
B0-448	Std road kerb 125 X 250 X 900 G25 concrete	1 No.	1,875.00	1,875.00	1,875.00	1,875.00	1,875.00
B0-449	Paving slab 450 X 450 X 50 mm G20 concrete	1 No.	962.00	962.00	962.00	962.00	962.00
B0-450	Bridge kerb 915	1 No.	3,325.00	3,325.00	3,325.00	3,325.00	3,325.00
B0-451	Std. uprights for bridges (New design)	1 No.	4,597.00	4,597.00	4,597.00	4,597.00	4,597.00
B0-452	Std. hand rails for bridges (New design)	1 No.	4,390.00	4,390.00	4,390.00	4,390.00	4,390.00
B0-453	Couping pairs for hand rails	1 Pair	805.00	805.00	805.00	805.00	805.00
B0-454	Rain water channels 609mm long	1 No.	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
B0-455	Cement sand hollow block 16" X 8" X 4"	1 No.	137.00	137.00	137.00	137.00	137.00
B0-456a	Interlocking concrete blocks (210x110x60mm) (15n/mm ²)	1 No.	70.00	70.00	70.00	70.00	70.00
B0-456b	Interlocking concrete blocks (210x110x80mm) (40n/mm ²)	1 No.	75.00	75.00	75.00	75.00	75.00
B0-456c	Interlocking concrete blocks (210x110x80mm) (30n/mm ²)	1 No.	70.00	70.00	70.00	70.00	70.00
7.2.5. Blasting Materials (Including transport cost)							
B0-501	Blasting powder	kg	2,054.00	2,054.00	2,054.00	2,054.00	2,054.00
B0-502	Fuse wire	m	831.00	831.00	831.00	831.00	831.00
B0-503	Steel, Jumper	kg	1,088.00	1,088.00	1,088.00	1,088.00	1,088.00
B0-504	Electric detonators	No	144.00	144.00	144.00	144.00	144.00
B0-505	Dyna cord	m	77.00	77.00	77.00	77.00	77.00
B0-506	Gelignite	kg	3,723.00	3,723.00	3,723.00	3,723.00	3,723.00
B0-507	Ammonium nitrate	kg	1,216.00	1,216.00	1,216.00	1,216.00	1,216.00
B0-508	Ordinary detonator	No	12.00	12.00	12.00	12.00	12.00
7.2.6. Paints (Including transport cost)							
B0-531	Bituminous emulsion pain (Crs-2)	l	165.00	165.00	165.00	165.00	165.00
B0-534	Glue	kg	364.00	364.00	364.00	364.00	364.00
B0-537	Lime - Boiled	kg	33.00	33.00	33.00	33.00	33.00
B0-541	Enamel paint	l	2,444.00	2,444.00	2,444.00	2,444.00	2,444.00
B0-542	Paint - Anti corrosive	l	1,647.00	1,647.00	1,647.00	1,647.00	1,647.00
B0-544	Paint - Emulsion	l	2,248.00	2,248.00	2,248.00	2,248.00	2,248.00
B0-545	Rust remover	l	3,533.00	3,533.00	3,533.00	3,533.00	3,533.00
B0-546	Emulsion for exterior use (Weather shield)	l	2,307.00	2,307.00	2,307.00	2,307.00	2,307.00
B0-547	Road marking paint (Yellow)	l	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
B0-548	Road marking paint (White)	l	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00

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New Code	Description of Item	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
7.2.7. Fuel, Oils & Lubricants							
B0-601	Industrial kerosene oil (Colombo)	l	262.00	262.00	262.00	262.00	262.00
B0-602	Mould Oil (Including transport)	l	158.00	158.00	158.00	158.00	158.00
B0-611	Lubricant (Oil)	l	1,521.00	1,521.00	1,521.00	1,521.00	1,521.00
B0-612	Auto diesel	l	363.00	363.00	363.00	363.00	363.00
B0-613	Petrol	l	371.00	371.00	371.00	371.00	371.00
B0-614	Furnace oil for burners	l	132.00	132.00	132.00	132.00	132.00
B0-615	Gas	kg	370.00	370.00	370.00	370.00	370.00
B0-616	Lubricant (Grease)	kg	3,267.00	3,267.00	3,267.00	3,267.00	3,267.00
7.2.8. Miscellaneous (Including transport cost)							
B0-631	Baskets	1 No.	300.00	300.00	300.00	300.00	300.00
B0-632	Gunny bags new (Large)	1 No.	102.00	102.00	102.00	102.00	102.00
B0-632a	Poly sacs (65kg capacity)	1 No.	72.00	72.00	72.00	72.00	72.00
B0-633	Cotton waste	kg	161.00	161.00	161.00	161.00	161.00
B0-634	Salt	kg	75.00	75.00	75.00	75.00	75.00
B0-635	Empty tar barrels (140 Ltrs)	No	91.00	91.00	91.00	91.00	91.00
B0-636	P.V.C. pipe 110 mm dia type 250 Pe (With trans.)	m	1,085.00	1,085.00	1,085.00	1,085.00	1,085.00
B0-636b	P.V.C. pipe 110 mm dia type 400 Pe (With trans.)	m	1,768.00	1,768.00	1,768.00	1,768.00	1,768.00
B0-637	P.V.C. pipe 50 mm dia type 400 (With trans.)	m	526.00	526.00	526.00	526.00	526.00
B0-638	Hard rubber 12mm thick X 75mm wide (With trans.)	m	2,695.00	2,695.00	2,695.00	2,695.00	2,695.00
B0-639	Polythene 325mm dia gauge 300 (approx. 13.5 meters/ kg) (tubular flat width app.505 mm, with trans.)	kg	755.00	755.00	755.00	755.00	755.00
B0-640	Aluminum sheet 24 Swg	Sq.m	3,884.00	3,884.00	3,884.00	3,884.00	3,884.00
B0-641	Angle iron 50x50x6 mm		1,331.00	1,331.00	1,331.00	1,331.00	1,331.00
B0-642	M.S. Plate 12mm thick	Sq.m	34,071.00	34,071.00	34,071.00	34,071.00	34,071.00
B0-643	Adhesive 250gm tin	No	1,309.00	1,309.00	1,309.00	1,309.00	1,309.00
B0-644	Emulsifier -css/ crs	Kg	2,560.00	2,560.00	2,560.00	2,560.00	2,560.00
B0-645	Early strength admixer (usage:300 ml per 50kg cement bag)	Ltr	486.00	486.00	486.00	486.00	486.00
B0-646	Traffic cones	No	4,552.00	4,552.00	4,552.00	4,552.00	4,552.00
B0-647	75mm x 8mm dia nuts and bolts	No	36.00	36.00	36.00	36.00	36.00
B0-648	Saw dust (loose)	Cu.m	128.00	128.00	128.00	128.00	128.00
B0-649	Drill steel	m	150.00	150.00	150.00	150.00	150.00

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New Code	Description of Item	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
Piece rates & allowances allow for:							
B0-704	Barricading (small work items)	Item	1,100.00	1,100.00	1,100.00	1,100.00	1,100.00
B0-705	Barricading, Lighting, Signaling etc for 100 m (stationary operations)	Day	2,750.00	2,750.00	2,750.00	2,750.00	2,750.00
B0-711	Cement, Sand & Water for jointing - Hume pipe 152mm diameter	Joint	110.00	110.00	110.00	110.00	110.00
B0-712	- Do - 229 to 610mm diameter	Joint	220.00	220.00	220.00	220.00	220.00
B0-713	- Do - 915mm diameter	Joint	440.00	440.00	440.00	440.00	440.00
B0-714	- Do - 1220mm diameter	Joint	770.00	770.00	770.00	770.00	770.00
B0-715	Coir rope (for scaffolding 93 Sq.m area)	Item	550.00	550.00	550.00	550.00	550.00
B0-716	Coir string for cutting side drains (per 2.83 Cu.m)	Item	83.00	83.00	83.00	83.00	83.00
B0-717	- Do - Fixing scaffolding (per 93 Sq.m)	Item	440.00	440.00	440.00	440.00	440.00
B0-718	Minor repairs of parapets with cement, sand & water (per 9.29 Sq.m)	Item	550.00	550.00	550.00	550.00	550.00
B0-720	Fuel *(for loosening road surface in manual breaking 50 mm depth X 307 Sq.m)*	Item	110.00	110.00	110.00	110.00	110.00
B0-723	Fuel, forge etc. (per 2.83 Cu.m blasting)	Item	220.00	220.00	220.00	220.00	220.00
B0-732	Ladders (per 93 Sq.m)	Item	550.00	550.00	550.00	550.00	550.00
B0-741	Paint (for lettering & numbering items)	Item	220.00	220.00	220.00	220.00	220.00
B0-746	Pegs (for turfing in 19 Sq.m area)	Item	550.00	550.00	550.00	550.00	550.00
B0-751	Sand paper & cott.waste (per 9.29 Sq.m)	Item	330.00	330.00	330.00	330.00	330.00
B0-752	Sharp. scarifier tynes (for 307 Sq.m)	Item	110.00	110.00	110.00	110.00	110.00
B0-761	Timber planks & bamboos (for 93 Sq.m)	Item	1,430.00	1,430.00	1,430.00	1,430.00	1,430.00
B0-762	Timber post, horizontal etc.(for barricading work in 4l.m)	Item	2,200.00	2,200.00	2,200.00	2,200.00	2,200.00
Water for concreting							
B0-781	Allow for water for mixing by machine per	Cu. m	55.00	55.00	55.00	55.00	55.00
B0-782	Allow for water for mixing manually per	Cu. m	55.00	55.00	55.00	55.00	55.00

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New Code	Description of Item	Unit	Basic Rate (Rs)				
			Jaffna	Kilinochchi	Mullaitivu	Vavuniya	Mannar
Water for compaction & general use							
B0-784	Allow for gravel compaction per	Cu.m	28.00	28.00	28.00	28.00	28.00
B0-785	Allow for aggregate compaction per	Cu.m	39.00	39.00	39.00	39.00	39.00
B0-786	Allow for moistening road surface	Item	110.00	110.00	110.00	110.00	110.00
B0-787	Allow for water bucket & coir rope	Item	110.00	110.00	110.00	110.00	110.00
B0-788	Water for general purpose	L	28.00	28.00	28.00	28.00	28.00
White washing for barricading							
B0-791	White washing empty barrels (Pen.Grade)	01 No.	250.00	250.00	250.00	250.00	250.00
B0-792	White washing timber posts, horizontals, etc. (In 4 l.m barricading)	01 Item	94.00	94.00	94.00	94.00	94.00
7.2.9. Thermoplastic road marking materials excluding transport & VAT							
Following material prices are for estimation only *(Payments should be based on approved tender prices)							
B0-800	Thermo plastic road marking materials (White)*	kg	273.00	273.00	273.00	273.00	273.00
B0-801	Thermo plastic road - Do- (Yellow)*	kg	273.00	273.00	273.00	273.00	273.00
B0-802	Glass beads*	kg	273.00	273.00	273.00	273.00	273.00
Gabion Mesh* (Galvanized) Excluding Transport & VAT Gabion Size M							
B0-850	1x1x1 in clu. coated tie (Binding) wire @ 5% of gabion weight	Per Box	10,720.00	10,720.00	10,720.00	10,720.00	10,720.00
B0-851	2x1x.5 inclu. coated tie (Binding) wire @ 5% of gabion weight	Per Box	13,020.00	13,020.00	13,020.00	13,020.00	13,020.00
B0-852	1.5x1x1 inclu. coated tie (Binding) wire @ 5% of gabion weight	Per Box	14,010.00	14,010.00	14,010.00	14,010.00	14,010.00
B0-853	2x1x1 inclu. coated tie (Binding) wire @ 5% of gabion weight	Per Box	18,100.00	18,100.00	18,100.00	18,100.00	18,100.00
Geotextiles * Excluding transport & VAT							
B0-860	Geotextiles (Nonwoven polypropylene polymer tear resistant > 400n and apparent pore size < 200 nm)	Per Sq.m	560.00	560.00	560.00	560.00	560.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
7.3 Section II – Schedule of Rates							
7.3.1 Transport Rates							
*See Section I of general notes of HSR published by RDA for selection of mode of transport							
T1-001	Transport of soil 25m to 100m by any means (including loading and unloading):	Cu.m	620.00	564.00	648.00	705.00	620.00
T1-002	Transport 100m to 0.5km by any means (excluding loading):	Cu.m	608.00	608.00	608.00	608.00	608.00
T1-003	Transport 0.5km to 1.0km by any means (excluding loading):	Cu.m	652.00	652.00	652.00	652.00	652.00
T1-003A	Transport of each subsequent 1km from 1.0 - 8.0 km by any means (excluding loading):	Cu.m	101.00	101.00	101.00	101.00	101.00
T1-003B	Transport of each subsequent 1km beyond 8.0 km by any means (excluding loading):	Cu.m	68.00	68.00	68.00	68.00	68.00
* T1--004, T1-005 - codes changed as T1-003a and T1-003b							
T1-006	Transport of material in bulk excluding loading (for distance less than or equal 3 kilo meters)	Cu.m	119.00	119.00	119.00	119.00	119.00
T1-007	Transport of material in bulk excluding loading (from 3 km up to 10 kilo meters distance)	Cu.m	37.00	37.00	37.00	37.00	37.00
T1-007A	Transport of material in bulk excluding loading (for distance more than 10km)	Cu.m	35.00	35.00	35.00	35.00	35.00
* T1-008 : Code amended as T1-007A							
T1-009	Transport of premix in bulk excluding loading other than at mixing plant	mt/km	28.00	28.00	28.00	28.00	28.00
T1-010	Transport of barrels of bitumen for first 1.0 km of transport (excluding loading and unload) :	No	91.00	91.00	91.00	92.00	91.00
T1-010A	Transport of barrels of bitumen for each subsequent 1.0 km, from 1.0 - 8.0 km (excluding loading and unload):	No	19.00	18.00	19.00	20.00	19.00
T1-010B	Transport of barrels of bitumen for each subsequent 1.0 km beyond 8.0 km (excluding loading and unload):	No	13.00	13.00	13.00	14.00	13.00
T1-011 & T1-012 code changed							

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
T1-013	Loading barrels of bitumen inclusive of rolling up to 25m:	No	39.00	35.00	40.00	44.00	39.00
T1-014	Unloading barrels of bitumen inclusive of rolling and stacking:	No	17.00	15.00	17.00	19.00	17.00
T1-015	Transport of Hume pipes 152mm dia. For 1st 1.0 km of transport (excluding loading and unload):	lm	68.00	67.00	68.00	69.00	68.00
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):	lm	15.00	15.00	15.00	16.00	15.00
T1-015B	Transport of Hume pipes 152mm dia. For each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unload):	lm	11.00	10.00	11.00	11.00	11.00
* 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):	lm	76.00	76.00	77.00	77.00	76.00
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):	lm	17.00	17.00	17.00	18.00	17.00
T1-018B	Transport of Hume pipes 152mm dia. For each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unload):	lm	12.00	12.00	12.00	13.00	12.00
* 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):	lm	102.00	101.00	102.00	103.00	102.00
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):	lm	23.00	22.00	23.00	24.00	23.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
T1-021 B	Transport of Hume pipes 305mm dia. For each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unload):	lm	16.00	16.00	16.00	17.00	16.00
* 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):	lm	153.00	152.00	153.00	154.00	153.00
T1-024 A	Transport of Hume pipes 457mm dia. For each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unload):	lm	34.00	33.00	35.00	36.00	34.00
T1-024 B	Transport of Hume pipes 457mm dia. For each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unload):	lm	24.00	23.00	25.00	25.00	24.00
* 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):	lm	204.00	202.00	204.00	206.00	204.00
T1-027 A	Transport of Hume pipes 610mm dia. For each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unload):	lm	46.00	44.00	46.00	48.00	46.00
T1-027 B	Transport of Hume pipes 610mm dia. For each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unload):	lm	32.00	31.00	33.00	34.00	32.00
* 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):	lm	305.00	303.00	306.00	309.00	305.00
T1-030 A	Transport of Hume pipes 915mm dia. For each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unload):	lm	68.00	66.00	70.00	72.00	68.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
T1-030 B	Transport of Hume pipes 915mm dia. For each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unload):	lm	48.00	47.00	49.00	51.00	48.00
* 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):	lm	660.00	651.00	665.00	674.00	660.00
T1-033 A	Transport of Hume pipes 1220mm dia. For each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unload):	lm	186.00	177.00	191.00	200.00	186.00
T1-033 B	Transport of Hume pipes 915mm dia. For each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unload):	lm	133.00	127.00	137.00	144.00	133.00
* T1-034 & T1-035: code changed							
T1-036	Loading and unloading 152mm dia. 2.44m long Hume pipes:	No	119.00	108.00	124.00	135.00	119.00
T1-037	Loading and unloading 229mm dia. 2.44m long Hume pipes:	No	139.00	126.00	145.00	158.00	139.00
T1-038	Loading and unloading 305mm dia. 2.44m long Hume pipes:	No	275.00	250.00	288.00	313.00	275.00
T1-039	Loading and unloading 457mm dia. 2.44m long Hume pipes:	No	458.00	416.00	478.00	520.00	458.00
T1-040	Loading and unloading 610mm dia. 2.44m long Hume pipes:	No	596.00	542.00	623.00	678.00	596.00
T1-041	Loading and unloading 915mm dia. 1.22.44m long Hume pipes:	No	1,100.00	1,000.00	1,150.00	1,250.00	1,100.00
T1-042	Loading and unloading 1220mm dia. 1.22m long Hume pipes:	No	2,200.00	2,000.00	2,300.00	2,500.00	2,200.00
T1-043	Transport of precast kerb stones (all types) for road works, including loading and unloading:	lm/k m	3.00	2.00	3.00	3.00	3.00
T1-044	Transport of precast kerb stones for bridge works, including loading and unloading:	lm/k m	4.00	4.00	4.00	4.00	4.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
T1-045	Transport of precast concrete hand rails up-rights and joints for bridge works, including loading and unloading:	lm/km	6.00	5.00	6.00	6.00	6.00
T1-046	Transport of precast concrete slabs 450 x 450 x 50 mm for foot walks, including loading and unloading:	Sq.m / km	7.00	7.00	7.00	7.00	7.00
T1-047	Transport of precast standard boundary markers including unloading only*:	No/km	3.00	3.00	3.00	3.00	3.00
* Supply rate include loading at yard.							
T1-048	Transport of emulsion:	100 l / km	3.00	3.00	3.00	3.00	3.00
T1-049 (NE W)	Transport of Gabion mesh 4x1x1 m size:	No/km	2.00	2.00	2.00	2.00	2.00
7.3.2 Roadway and foundation / trench excavation							
(Including loading, unloading and transporting within 25 meters distance unless otherwise specified)							
Note: For roadway excavations involving more than 300 cu.m, machine rates should be adopted							
Note: Transportation to be included for sand related works							
E1-001	Excavation in loose soil(dry)[SSCM 301.2(iv)]:	Cu.m	832.00	760.00	868.00	941.00	832.00
E1-002	Excavation in loose soil (wed) in slips [SSCM 301.3(0)]:	Cu.m	1,031.00	941.00	1,077.00	1,167.00	1,031.00
E1-003	Excavation in ordinary soil (cutting measurement) [SSCM 301.2(v)]:	Cu.m	1,231.00	1,122.00	1,285.00	1,394.00	1,231.00
E1-004	Excavation in ordinary soil (vehicle measurement) [SSCM 301.2(v)]:	Cu.m	1,108.00	1,010.00	1,156.00	1,254.00	1,108.00
E1-005	Excavation in medium soil (cutting measurement) [SSCM 301.2(iv)]:	Cu.m	1,629.00	1,484.00	1,701.00	1,846.00	1,629.00
E1-006	Excavation in medium soil (vehicle measurement) [SSCM 301.2(v)]:	Cu.m	1,385.00	1,261.00	1,446.00	1,569.00	1,385.00
E1-007	Excavation in hard soil (cutting measurement) [SSCM 301.2(vII)]:	Cu.m	2,426.00	2,208.00	2,534.00	2,752.00	2,426.00
E1-008	Excavation in hard soil (vehicle measurement) [SSCM 301.2(vII)]:	Cu.m	2,790.00	2,540.00	2,915.00	3,165.00	2,790.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
E1-009	Excavation in unclassified soil (cutting measurement) [SSCM 301.2a(I)]:	Cu.m	1,762.00	1,605.00	1,840.00	1,997.00	1,762.00
Note	See item nos. From E1-027 on page 27 of HSR published by RDA for roadway excavation using machinery.						
E1-010	Excavation in soft rock (cutting measurement) [SSCM 301.2(vII)]:	Cu.m	2,625.00	2,390.00	2,743.00	2,978.00	2,625.00
E1-010 A	Excavation in mud/marshy material (cutting measurement) [SSCM 301.2(vII)]:	Cu.m	2,027.00	1,846.00	2,118.00	2,299.00	2,027.00
E1-011	Excavation pit/trench for foundation in ordinary soil not exceeding 1.5 m. Deep including levelling and ramming bottom, excavation material deposited at site within 25 m or as directed. * (shoring, dewatering, if necessary, shall be paid separately) [SSCM 302.1-302.3]:	Cu.m	1,629.00	1,484.00	1,701.00	1,846.00	1,629.00
* See general notes 24(2) of HSR published by RDA for details regarding additional excavation required for working space.							
E1-012	Ditto - medium soil, -do -do -:	Cu.m	2,027.00	1,846.00	2,118.00	2,299.00	2,027.00
E1-013	Ditto - hard soil, -do -do -:	Cu.m	2,824.00	2,571.00	2,951.00	3,205.00	2,824.00
E1-014	Ditto - in unclassified soil, -do -do -:	Cu.m	2,160.00	1,967.00	2,257.00	2,450.00	2,160.00
E1-015	Ditto - mud/marshy material, -do -do -:	Cu.m	2,426.00	2,208.00	2,534.00	2,752.00	2,426.00
* Item nos. E1-016 to E1-018 deleted							
E1-019	Excavating soft rock, not exceeding 1.5m depth [SSCM 301.2 (II)]:	Cu.m	3,223.00	2,933.00	3,367.00	3,657.00	3,223.00
* Note: excavating rock for foundation to be paid on S.S.R.							
* Item no. E1-020 deleted							
E1-021	Piling available soil:	Cu.m	199.00	181.00	208.00	226.00	199.00
E1-022	Loading available soil to a tractor or equivalent:	Cu.m	263.00	239.00	275.00	299.00	263.00
E1-023 (AM EN D.)	Excavating rock, requiring blasting, for roadway for boulders (excluding dozing away [SSCM 301.2 (II) & 306.1 - 306.4]):	Cu.m	3,351.00	3,350.00	3,355.00	3,357.00	3,351.00
E1-024	Boulders sledging, piling, etc..	Cu.m	3,712.00	3,477.00	3,966.00	4,183.00	3,712.00
E1-025	Rock requiring blasting:	Cu.m	4,291.00	4,254.00	4,508.00	4,617.00	4,291.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
E1-026 (Amend)	Rock requiring blasting and piling:	Cu.m	5,450.00	5,287.00	5,703.00	5,948.00	5,450.00
E1-027	Roadway excavation in unclassified soil using machinery excluding loading and piling. (Cutting measurement)	Cu.m	326.00	326.00	327.00	328.00	326.00
E1-028	Loading material by machinery in roadway excavation (cutting measurement) :	Cu.m	202.00	201.00	202.00	203.00	202.00
E1-029	Trimming / cambering by motor grader (cutting measurement) :	Cu.m	56.00	56.00	56.00	56.00	56.00
E1-029 A	Trimming / cambering by motor grader (cutting measurement) :	Sq.m	11.00	11.00	11.00	11.00	11.00
7.3.3 Aggregate / rubble piling including loading							
A1-001	Sledging available rock 150-225 mm rubble including piling & loading	Cu.m	2,934.00	2,789.00	3,169.00	3,296.00	2,934.00
A1-002	Blasting etc. & piling 150-225 mm rubble excluding loading :	Cu.m	5,413.00	5,232.00	5,649.00	5,920.00	5,413.00
A1-002 A	Blasting sledging etc. & piling 150-225mm rubble using compressor & hand held drills excluding loading :	Cu.m	N/A	N/A	N/A	N/A	N/A
A1-003	Blasting etc. & piling 100mm aggregate, excluding loading :	Cu.m	N/A	N/A	N/A	N/A	N/A
A1-004	Blasting etc. & piling 75 mm aggregate, excluding loading :	Cu.m	N/A	N/A	N/A	N/A	N/A
A1-005	Blasting etc. & piling 50 mm aggregate, excluding loading :	Cu.m	N/A	N/A	N/A	N/A	N/A
A1-006	Blasting etc. & piling 37.5 mm aggregate, excluding loading :	Cu.m	N/A	N/A	N/A	N/A	N/A
A1-007	Blasting etc. & piling 25 mm aggregate, excluding loading :	Cu.m	N/A	N/A	N/A	N/A	N/A
A1-008	Blasting etc. & piling 19 mm aggregate, excluding loading :	Cu.m	N/A	N/A	N/A	N/A	N/A
* Prior approval of the p.dd should be obtained for the use of 19 mm hand broken aggregate.							

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
A1-009	50 mm aggregate, single size crusher production excluding piling and loading [SSCM404.1-406.1: table 1701-4]:	Cu.m	6,360.00	5,654.00	4,947.00	4,064.00	5,018.00
A1-010	37.5 mm aggregate, single size crusher production excluding piling and loading [SSCM404.1-406.1: table 1701-4]:	Cu.m	6,537.00	5,654.00	4,947.00	4,240.00	5,124.00
A1-011	19 mm aggregate, single size crusher production excluding piling and loading [SSCM404.1-406.1]: table 1701-4]:	Cu.m	7,420.00	6,360.00	5,654.00	4,947.00	5,477.00
A1-012	12.5 mm aggregate, single size crusher production excluding piling and loading [SSCM404.1-406.1: table 1701-4]:	Cu.m	5,830.00	5,124.00	4,947.00	3,534.00	4,770.00
Plant production aggregate for dense graded aggregate base course							
A1-013	Aggregate 37.5 mm, downgraded (SSCM - table 1701.5) excluding piling & loading:	Cu.m	7,774.00	5,830.00	5,300.00	3,887.00	4,770.00
A1-014	Crusher fines 6.3 mm down, excluding piling & loading for 1.0 cu.m :	Cu.m	4,700.00	4,064.00	4,240.00	2,473.00	4,064.00
A1-015	Aggregate 19 mm for seal coat treatments as per SSCM table 1701-8, including - do -	Cu.m	7,570.00	6,510.00	5,804.00	5,097.00	5,627.00
A1-016	Aggregate 12.5 mm for seal coat treatments as per SSCM table 1701-8, including - do -	Cu.m	5,980.00	5,274.00	5,097.00	3,684.00	4,920.00
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	6,657.00	5,732.00	4,990.00	4,142.00	5,094.00
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	208.00	199.00	226.00	235.00	208.00
A1-019	Piling available rubble:	Cu.m	417.00	398.00	453.00	471.00	417.00
A1-020	Loading available aggregate /rubble:	Cu.m	398.00	362.00	417.00	453.00	398.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
7.3.4. Approved earth filling & compaction							
Note	Rates for borrow earth supply given under item codes EW1-001 & EW1-011 in this schedule is based on manual excavation and intended for small works involving less than 300 Cu.m. in the case of borrow earth supply exceeds 300 Cu.m.(for the whole project), rates based on machine excavation as per B0-201, B0-202, EW1-013 or EW1-014 shall be adopted. For any deviations the procurement procedure given in "general notes" of HSR published by RDA, shall be followed.						
EW 1-001	Approved soil (type i & II materials) excavation for bases & shoulder construction including loading and piling. (loose volume) [SSCM 601.1 to 601.4] :	Cu.m	1,910.00	1,741.00	1,994.00	2,163.00	1,910.00
EW 1-002	Spreading piled approved soil (loose volume):	Cu.m	279.00	256.00	290.00	313.00	279.00
EW 1-003	Approved soil spread & rolled including roller hire charges, fuel & watering (loose volume)* [SSCM 601.1 to 4]:	Cu.m	673.00	650.00	684.00	707.00	673.00
* See general notes section 26.4 of HSR published by RDA for rate on compacted volume.							
Note	The items EW1-003 or EW1-004 on manual spreading should be adopted on approval by pd/ce for small works only. When machinery is used for spreading and compaction, ew1-003a shall be adopted.						
EW 1-003 A (NE W)	Approved soil spread & rolled using machinery including motor grader & roller hire charges, fuel & watering (loose volume)* [SSCM 601.1 to 4]:	Cu.m	378.00	378.00	378.00	378.00	378.00
* See general notes section 26.4 of HSR published by RDA for rate on compacted volume.							
EW 1-004	Approved soil spread & rolled in strips where average width is less than 1.2 meters for road widening, including roller hire charges, fuel & watering (loose volume)* [SSCM 601.1 to 4]:	Cu.m	856.00	833.00	867.00	890.00	856.00
* See general notes section 26.4 of HSR published by RDA for rate on compacted volume. Assuming 50 cu.m compaction per day							
EW1-005	Deleted						
EW 1-006	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	684.00	655.00	699.00	728.00	684.00
* See general notes section 26.4 of HSR published by RDA for rate on compacted volume.							

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
EW 1-007	Approved soil spread & compacted in 150 to 225 mm thick layers using machine rammer at narrow places (loose volume) :	Cu.m	655.00	626.00	670.00	699.00	655.00
EW 1-008	Spreading, leveling and compacting manually using standard cast iron stamper or equivalent and filling in 150 - 225 mm thick layer (loose volume)	Cu.m	896.00	815.00	937.00	1,019.00	896.00
EW 1-009	Trimming, leveling and compaction of original ground/subgrade to 100% std. Density. [SSCM 304.3 c] :	Sq.m	120.00	120.00	121.00	121.00	120.00
EW 1-010	Trimming, leveling and compaction of original ground/subgrade to 95% std. Density. [SSCM 304.3 c] :	Sq.m	109.00	109.00	110.00	110.00	109.00
EW 1-011	Approved soil excavation for embankment filling including loading and piling (loose volume) [SSCM 601.1 to 601.4] :	Cu.m	1,666.00	1,519.00	1,739.00	1,886.00	1,666.00
EW1-012	Deleted						
Note	Type 1 soil, Type II soil royalty included						
EW 1-013	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	4,086.00	2,478.00	2,858.00	1,639.00	2,849.00
EW 1-014	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	3,733.00	2,301.00	2,505.00	1,463.00	2,496.00
EW1-015	Grading and spreading by motor grader:	Cu.m	141.00	141.00	141.00	141.00	141.00
Data for output in 6 hours spreading & compaction							
7.3.5 Rubble pitching / paving							
(Rubble to be paid separately)							
P1-001	Pitched paving 225 mm thick :	Sq.m	508.00	485.00	552.00	574.00	508.00
P1-002	Pitched paving 150 mm thick	Sq.m	381.00	364.00	414.00	430.00	381.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
P1-003	Flat paving 225 mm thick	Sq.m	338.00	323.00	367.00	382.00	338.00
P1-004	Flat paving 150 mm thick	Sq.m	254.00	243.00	276.00	287.00	254.00
7.3.6 Aggregate spreading & compaction							
Cost of watering to be deducted from rate if not carried out under the relevant items.							
M1-001	Spreading, Watering & Rolling 100 mm Aggregate including Hire Charges Of Roller. (Loose Volume) [SSCM 304.3 (D), (E)] :	Cu.m	1,573.00	1,550.00	1,618.00	1,640.00	1,573.00
M1-002	Breaking Road Surface To 50 mm Depth By Hand, Screen & Replace Old Aggregate :	Sq.m	146.00	134.00	153.00	166.00	146.00
M1-003	Scarifying Road Surface To 50 mm Depth By Roller, Screen & Replace Old Aggregate :	Sq.m	136.00	131.00	139.00	144.00	136.00
M1-004	Spreading & Compacting 50-19 mm New Aggregate by Roller including Watering Hire, Etc. (Loose Volume) [SSCM 403.3(C)]	Cu.m	2,352.00	2,294.00	2,426.00	2,484.00	2,352.00
M1-005	Breaking 50 mm Additional Depth By Hand Screening & Replacing Old Aggregate:	Sq.m	87.00	81.00	92.00	99.00	87.00
M1-006	Scarifying 50 mm Additional Depth With Roller, Screening & Replacing Old Aggregate	Sq.m	114.00	111.00	116.00	119.00	114.00
M1-007	Spreading Watering & Compacting 50-19 mm Aggregate in Edge Correction Using Roller including Hire, Etc. (Loose Volume)[SSCM 1103.3] :	Cu.m	3,228.00	3,198.00	3,288.00	3,317.00	3,228.00
M1-008	Spreading Watering & Compacting 50-19 mm Aggregate in Edge Correction Using Roller including Hire, Etc. (Loose Volume)[SSCM 1103.3] :	Cu.m	2,562.00	2,532.00	2,621.00	2,651.00	2,562.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
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	2,277.00	2,248.00	2,337.00	2,367.00	2,277.00
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	10,772.00	9,937.00	9,413.00	8,377.00	9,355.00
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	10,228.00	9,393.00	8,869.00	7,833.00	8,811.00
* M1-012 : Deleted							
M1-012 A (NE W)	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	8,467.00	6,522.00	5,996.00	4,584.00	5,463.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
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 Meters, For Road Widening. Excluding Transport Of Aggregates (Loose Volume)* [SSCM 405.1 To 4] :	Cu.m	10,313.00	8,338.00	7,901.00	6,519.00	7,309.00
For the rate on compacted volume, increase loose volume rate by 42%. If measurement is on end product, piling cost of aggregate as per A1-018 shall be deducted.							
NOTE	The item m1-013 on manual labour should be adopted on approval by pd / ce for small works only. When machinery is used for spreading and compaction, M1-012A / M1-013a shall be adopted depending on site situation.						
M1-013 A (NE W)	Graded 37.5 Aggregate Base Course Material including Piling, Spread & Rolled in Strips, Average Width Not Exceeding 1.2 Meter Using Machinery including Motor Grader & Roller Hire Charges, Fuel & Watering (Loose Volume)* [SSCM 405.1 To 4]:	Cu.m	8,397.00	6,449.00	5,928.00	4,520.00	5,393.00
For the rate on compacted volume, increase loose volume rate by 42%. If measurement is on end product, piling cost of aggregate As Per A1-018 shall be deducted.							
7.3.7 Road Surface Treatment							
Transport of Emulsion / Bitumen to be Paid Separately)							
Note	Transportation to be included for sand related works						
S1-001	Bitumen Surfacing First Coat Using 2 Ltr/Sq.m including Blinding With Sand At The Rate Of 125 Sq.m/Cu.M [SSCM 503.1]: (Excluding Cost Of Bitumen) :	Sq.m	129.00	99.00	113.00	118.00	106.00
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	99.00	93.00	105.00	111.00	99.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
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	206.00	200.00	212.00	218.00	206.00
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	111.00	107.00	114.00	118.00	111.00
S1-005	Double Bituminous Surface Treatment With Emulsion (Crs-1) (Manual) including internal Transport (Binder And Aggregate Paid Separately) :	Sq.m	201.00	195.00	207.00	213.00	201.00
S1-006	Single Bituminous Surface Treatment With Emulsion (Crs-1) (Manual) including internal Transport (Binder And Aggregate Paid Separately) :	Sq.m	131.00	128.00	135.00	138.00	131.00
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	105.00	77.00	88.00	92.00	83.00
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	105.00	77.00	88.00	92.00	83.00
S1-009	Bitumen surfacing facing 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	76.00	71.00	80.00	85.00	76.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
S1-010	Bitumen surfacing 2nd/subsequent coat using 1.0ltr/Sq.m including blinding with gravel free of clay where sand is not available within 16km (new works) [SSCM 503.4(C)]: (Excluding cost of Bitumen) :	Sq.m	76.00	71.00	80.00	85.00	76.00
S1-011	Emulsion / Cold Bitumen (Cr-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	100.00	72.00	82.00	86.00	77.00
S1-012	Emulsion / Cold Bitumen (Cr-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	81.00	54.00	61.00	65.00	58.00
S1-013	Emulsion / Cold Bitumen (Cr-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	81.00	54.00	61.00	65.00	58.00
S1-014	Emulsion / Cold Bitumen (Cr-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	74.00	47.00	53.00	56.00	51.00
S1-015	Tack Coat Using Emulsion (Cr-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	20.00	19.00	21.00	23.00	20.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
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) :	1	40.00	38.00	43.00	45.00	40.00
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	20.00	19.00	21.00	23.00	20.00
S1-018	Tack Coat With 30% Cut Back Bitumen Using 0.5 Ltr/Sq.m including Brushing and Cleaning Road Surface (Manual): [SSCM 502.1-502.3]; (Excluding Cost of Bitumen) :	Sq.m	81.00	79.00	84.00	86.00	81.00
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) :	1	161.00	157.00	167.00	172.00	161.00
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	101.00	99.00	104.00	106.00	101.00
S1-021	Rolling over blinding material spread over subsequent bitumen surfacing using diesel roller (8-10 Tons) [SSCM 503.4(D)];	Sq.m	23.00	23.00	23.00	23.00	23.00
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	56.00	41.00	47.00	50.00	45.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
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	20.00	19.00	22.00	23.00	20.00
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	159.00	143.00	152.00	155.00	148.00
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	122.00	120.00	125.00	127.00	122.00
S1-026	Sweeping Over Tarred Surface to Arrest Bleeding:	Sq.m	6.00	6.00	6.00	7.00	6.00
S1-027	Application Of Asphalt Emulsion For Surface Treatment Using Crs - 1 (Using Plant) "Rate Per Liter" (Excluding Cost Of Emulsion) :	l	12.00	12.00	12.00	13.00	12.00
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	75.00	48.00	55.00	58.00	53.00
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	89.00	88.00	90.00	90.00	89.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
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	182.00	181.00	184.00	185.00	182.00
S1-031	Supply, Lay and Compact Asphalt Premix Concrete (19 mm, Binder (80/100) 5% Mix) -Dense (Plant Made) in Wearing Surface Of Small Works Such As Bridge Decking, Reinstatement Of Trenches Etc. (Transport Of Aggregate* For Premix And Transport Of Premix To Be Paid Separately.) [SSCM - 506] :	mt.	20,467.00	20,375.00	20,569.00	20,692.00	20,467.00
(For Other Binder Contents See General Notes - Clause 29.8 of HSR published by RDA) :							
Average 0.6270 Cu.m Of Aggregate Required For 1.0 Metric Ton Of Premix (All Types)							
S1-032	Supply, Lay And Compact Asphalt Bound Premix (37.5 mm, Binder(80/100) 3.53% Mix) -Dense Base Material (Plant Made) in Of Small Works Such As Bridge Decking, Reinstatement Of Trenches Etc. (Transport Of Aggregate* For Premix And Transport Of Premix To Be Paid Separately.) [SSCM - 506] :	mt	3,967.00	3,875.00	4,069.00	4,192.00	3,967.00
(For Other Binder Contents See General Notes - Clause 29.8 of HSR published by RDA)							
Average 0.6270 Cu.m Of Aggregate Required For 1.0 Metric Ton Of Premix (All Types)							
S1-033	supply, lay and compact asphalt concrete cold mix (19 mm, 20% Cut Back With Binder(80/100) 5.5% Mix) -Dense (Plant Made) in small works such as bridge decking, reinstatement of trenches etc. (transport of aggregate* for premix and transport of premix to be paid separately.) [SSCM - 506] :	mt	3,967.00	3,875.00	4,069.00	4,192.00	3,967.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
(For Other Binder Contents See General Notes - Clause 29.8 of HSR published by RDA)							
* Average 0.6270 Cu.m Of Aggregate Required For 1.0 Metric Ton Of Premix (All Types)							
S1-033 A	Supply, Lay And Compact Asphalt Concrete Cold Mix With Emulsion Cms-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] :	mt	3,967.00	3,875.00	4,069.00	4,192.00	3,967.00
(For Other Binder Contents See General Notes - Clause 29.8 of HSR published by RDA)							
S1-034	Lay And Compact Asphalt Premix Using Paver (Cost Of Premix, Aggregate Transport* And Premix Transport To Be Paid Separately.) :	mt.	2,027.00	2,002.00	2,054.00	2,083.00	2,027.00
* Average 0.6270 Cu.m of Aggregate Required For 1.0 Metric Ton of Premix (All Types)							
S1-035 (A men ded)	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 Improved Hand Rallers : (Patching Pot Holes If Necessary & External Transport To Pay Separately) (Excluding Cost Of Emulsion) :	Sq.m	91.00	64.00	72.00	75.00	69.00
S1-035 A (NE W)	Patching Minor Pot Holes Using Sand Emulsion Mix 1:8 Where Necessary, Prior To Sand Sealing. (Excluding Cost Of Emulsion) :	Sq.m	28.00	25.00	27.00	28.00	26.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
S1-036 * (A ME ND ED)	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	93.00	66.00	73.00	76.00	71.00
*Note	The above rate is applicable only if chip spreader and pneumatic roller are used for the construction. otherwise Approved SSR should be adopted.						
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	260.00	253.00	268.00	275.00	260.00
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	183.00	178.00	188.00	193.00	183.00
S1-039	Correction Of Corrugations, Depression and Cambering Road Surfaces Using Asphalt Concrete Compacted by Vibrating Roller including internal Transport. (Application Of Tack Coat And Supply Of Asphalt Concrete To Be Paid Separately) :	mt.	3,115.00	2,987.00	3,201.00	3,354.00	3,115.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
S1-040* (AM END ED)	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	93.00	66.00	73.00	76.00	71.00
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.						
7.3.8 Road Surface Maintenance							
Internal transport of hot bitumen up to 16 km							
Note	Transportation to be included for sand related works						
MN 1-001	Patching With Hot Bitumen Using 14 s Per 1/2 km (SSCM 1102.1 - 1102.3) (Excluding Cost of Bitumen) :	1/2 km	2,772.00	2,333.00	2,610.00	2,715.00	2,458.00
MN 1-002	Patching With Hot Bitumen Using 21 Litres Per 1/2 km (Excluding Cost of Bitumen) :	1/2 km	4,157.00	3,500.00	3,914.00	4,073.00	3,687.00
MN 1-003	Patching With Hot Bitumen Using 28 Litres Per 1/2 km (Excluding Cost of Bitumen) :	1/2 km	5,543.00	4,666.00	5,219.00	5,430.00	4,916.00
MN 1-004	Patching With Hot Bitumen Using 35 Litres Per 1/2 km (Excluding Cost of Bitumen) :	1/2 km	6,929.00	5,833.00	6,524.00	6,788.00	6,145.00
MN 1-005	Patching with hot bitumen using 42 litres per 1/2 km (excluding cost of bitumen)	1/2 km	8,315.00	6,999.00	7,829.00	8,145.00	7,374.00
MN 1-006	Patching With Hot Bitumen Using 49 Litres Per 1/2 km (Excluding Cost of Bitumen) :	1/2 km	9,701.00	8,166.00	9,134.00	9,503.00	8,603.00
MN 1-007	Patching With Hot Bitumen Using 56 Litres Per 1/2 km (Excluding Cost of Bitumen) :	1/2 km	11,087.00	9,333.00	10,439.00	10,860.00	9,832.00
MN 1-008	Extensive Patching For Every Additional 7 Ltrs. Hot Bitumen : (Excluding Cost Of Hot Bitumen) :	1/2 km	1,386.00	1,167.00	1,305.00	1,358.00	1,229.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MN1-009	Patching With Cold Bitumen (Crs-1) Using 14 Litres Per 1/2 km : (Excluding Cost of Cold Bitumen) :	1/2 km	1,843.00	1,443.00	1,605.00	1,673.00	1,530.00
MN1-010	Patching With Cold Bitumen (Crs-1) Using 21 Litres Per 1/2 km : (Excluding Cost of Cold Bitumen) :	1/2 km	2,765.00	2,164.00	2,408.00	2,509.00	2,295.00
MN1-011	Patching With Cold Bitumen (Crs-1) Using 28 Litres Per 1/2 km : (Excluding Cost of Cold Bitumen) :	1/2 km	3,687.00	2,886.00	3,211.00	3,345.00	3,059.00
MN1-012	Patching With Cold Bitumen (Crs-1) Using 35 Litres Per 1/2 km: (Excluding Cost of Cold Bitumen) :	1/2 km	4,608.00	3,607.00	4,013.00	4,181.00	3,824.00
MN1-013	Patching With Cold Bitumen (Crs-1) Using 42 Litres Per 1/2 km: (Excluding Cost of Cold Bitumen) :	1/2 km	5,530.00	4,329.00	4,816.00	5,018.00	4,589.00
MN1-014	Patching With Cold Bitumen (Crs-1) Using 49 Litres Per 1/2Km : (Excluding Cost of Cold Bitumen) :	1/2 km	6,452.00	5,050.00	5,618.00	5,854.00	5,354.00
MN1-015	Patching With Cold Bitumen (Crs-1) Using 56 Litres Per 1/2 km : (Excluding Cost of Cold Bitumen) :	1/2 km	7,373.00	5,771.00	6,421.00	6,690.00	6,119.00
MN1-016	Extensive Patching For Every Additional 7 Ltrs. Cold Bitumen Crs-1: (Excluding Cost Of Cold Bitumen) :	1/2 km	922.00	721.00	803.00	836.00	765.00
MN1-017	50 mm - 19 mm Aggregate Roller Patching :	Cu.m	6,945.00	6,728.00	7,162.00	7,379.00	6,945.00
MN1-018	50 mm - 19 mm Aggregate Stamped Patching :	Cu.m	6,624.00	6,263.00	7,129.00	7,490.00	6,624.00
7.3.9 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	1,097.00	1,042.00	1,178.00	1,232.00	1,097.00
DR1-002	Cutting New Side Drains in Med. Soil : *	Cu.m	1,513.00	1,441.00	1,631.00	1,703.00	1,513.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
DR 1-003	Cutting New Side Drains in Hard Soil : *	Cu.m	1,930.00	1,839.00	2,084.00	2,174.00	1,930.00
DR 1-004	Cutting New Side Drains in Soft Rock : *	Cu.m	2,138.00	2,038.00	2,310.00	2,409.00	2,138.00
DR 1-005	Cutting New Side Drains in Unclassified Soil : *	Cu.m	1,513.00	1,441.00	1,631.00	1,703.00	1,513.00
DR 1-005 A	Cutting Side Drains of Std. Dimensions in Unclassified Soil Using Machine (Back Hoe J.C.B.) including Shaping, Trimming And Levelling Bottom Manually.	Cu.m	748.00	727.00	782.00	803.00	748.00
DR 1-006	Cutting New Side Drains in Rock : *	Cu.m	5,390.00	5,227.00	5,689.00	5,816.00	5,390.00
DR 1-007	Turfing (Excluding royalty, transport and watering & maintenance) [SSCM 802.3a] :	Sq.m	269.00	247.00	280.00	301.00	269.00
DR 1-008	Watering & Maintaining Ture For Three Months including Transport Of Water :	Sq.m	411.00	394.00	420.00	437.00	411.00
DR 1-009	Levelling & Trimming Earth : *	Sq.m	32.00	29.00	33.00	36.00	32.00
DR 1-010	Clearing Silt Ect. From Kerbs & Channels [SSCM 1205.3] : *	m	19.00	18.00	20.00	22.00	19.00
DR 1-011	Cutting Scupper Drains On Any Soil Other Than Rock To An Average Width Of 0.75m With Proper Gradient And Ave. Depth Of 100 mm [SSCM 1304.3]: *	m	134.00	128.00	145.00	151.00	134.00
DR 1-012	Clearing & Desilting Of Culverts [SSCM 1303.3]: *	No.	392.00	358.00	409.00	444.00	392.00
DR 1-013	Levelling Chocked Culverts (With Head Room > 1 M**) : *	Cu.m	1,629.00	1,484.00	1,701.00	1,846.00	1,629.00
** If the culvert head room is less than 1 metre, work shall be carried out on day works basis.							
DR 1-014	Cleaning Desilting Existing Side Drains And Lead Up Drains To Proper Shape And Gradient And Transport Of Excavated Materials From Road Side Up To 100m : *	m	48.00	44.00	50.00	55.00	48.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
DR 1- 015	Clearing inlets & Outlets Of Culverts : *	No.	353.00	323.00	369.00	399.00	353.00
7.3.10 Bridges, Culverts & Retaining Walls Etc.							
Note	Transportation to be included for sand related works						
ST1 -001	Demolishing Dry Coursed Masonry including Stacking Or Loading.[SSCM 202.2] :	Cu.m	4,817.00	4,419.00	5,071.00	5,469.00	4,817.00
ST1 -002	Demolishing Coursed Masonry in Cement Mortar including Stacking Or Loading. :	Cu.m	5,614.00	5,143.00	5,904.00	6,375.00	5,614.00
ST1 -003	Demolishing Random Rubble Masonry in Cement Mortar including Stacking Or Loading. :	Cu.m	2,463.00	2,318.00	2,644.00	2,789.00	2,463.00
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	19,822.00	17,945.00	18,175.00	17,474.00	17,679.00
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	20,551.00	18,673.00	18,903.00	18,202.00	18,408.00
ST1 -006	Random Rubble Masonry, in Approved Cements & Sand Mortar 1:6 With Available Rubble 150- 225 mm :	Cu.m	14,191.00	13,071.00	14,331.00	14,621.00	13,485.00
ST1 -007	Random Rubble Masonry, in Approved Cements & Sand Mortar 1:6 With Available Rubble 150- 225 mm :	Cu.m	14,919.00	13,799.00	15,059.00	15,349.00	14,214.00
ST1 -008	Dry Masonry With Available Heavy Rubble Or Boulders [SSCM 1006.3(B)] :	Cu.m	6,882.00	6,610.00	7,244.00	7,787.00	6,882.00
ST1 -009	Dry Random Masonry With Rubble 150-225 mm Excluding Transport Of Rubble & Piling) :	Cu.m	10,630.00	9,724.00	9,293.00	8,826.00	9,322.00
ST1 -010	Dry Random Masonry With Available Rubble 150-225 mm :	Cu.m	5,505.00	5,288.00	5,795.00	6,230.00	5,505.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
ST1-011	Packing Available Rubble And Aggregate Filter Layers Behind Masonry Walls :	Cu.m	1,430.00	1,303.00	1,493.00	1,620.00	1,430.00
ST1-012	Clay Puddled & Laid Behind Masonry Walls (Excl. Transport Of Clay) [SSCM 705.3] :	Cu.m	3,622.00	3,299.00	3,783.00	4,105.00	3,622.00
ST1-013	Grouting Coursed Stone Masonry Joints With Approved Cement & Sand Mortar 1:3 [SSCM 804.2 (C)] :	Sq.m	653.00	620.00	663.00	698.00	640.00
ST1-014	Grouting Rubble Paving With Concrete Class C, 1:2:4(19 mm) (Excl. Transport Of Aggr. For Concrete & Piling) :	Cu.m	3,484.00	3,198.00	3,316.00	3,364.00	3,206.00
ST1-015	Grouting Rubble Paving With Approved Cement & Sand Mortar (1:3) :	Sq.m	1,101.00	1,043.00	1,110.00	1,163.00	1,075.00
ST1-016	Forming Weep Holes On Masonry Construction (Labour Only) [SSCM 706.3] :	No.	513.00	495.00	513.00	581.00	513.00
ST1-017	Formong Weep Holes Using P.V.C Pipes Of int. Dia. Not Less Than 100 mm. Complete With Dripledge And Surround Finish Smooth :	m	1,424.00	1,417.00	1,452.00	1,455.00	1,424.00
ST1-018	Shoring With 37.5 mm Thick Class II Timber Planks Up To 3 m Depth :	Sq.m	1,881.00	1,841.00	1,898.00	1,955.00	1,881.00
ST1-019	Supplying & Fixing Class II Timber Struts Etc. For Shoring Up 3 m Depth :	Cu.d eci m	120.00	114.00	122.00	131.00	120.00
ST1-020	Supplying & Fixing Class II Timber in Shoring Up To 3 m Depth (Rate Per Area Basis) :	Sq.m	2,178.00	2,124.00	2,201.00	2,281.00	2,178.00
ST1-021	Lifting Soil For Every 1.5m Beyond The initial 1.5m :	Cu.m ./ lift	797.00	724.00	833.00	905.00	797.00
ST1-022	Lifting Wedge Stones Every 1.5 m Beyond The initial 1.5 m:	Cu.m ./ lift	2,391.00	2,173.00	2,499.00	2,716.00	2,391.00
ST1-023	Lifting Rubble Or Concrete 1.5 m Beyond The initial 1.5 m:	Cu.m ./ lift	1,195.00	1,087.00	1,250.00	1,358.00	1,195.00
ST1-024	Lowering Wedged Stones Every 1.5 m Beyond The initial 1.5m:	Cu.m / lower	1,594.00	1,449.00	1,666.00	1,811.00	1,594.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
ST1-025	Lowering Rubble Or Concrete For Every 1.5 m Beyond The initial 1.5 m :	Cu.m / lower	797.00	724.00	833.00	905.00	797.00
ST1-026	Rendering 12.5 mm Thick in Cement Sand Motar 1:2 Mix (Rough):	Sq.m	1,114.00	1,060.00	1,127.00	1,181.00	1,091.00
ST1-027	Rendering 12.5 mm Thick in Cement Sand Motar 1:2 Mix (Smooth Finish):	Sq.m	1,309.00	1,252.00	1,322.00	1,387.00	1,286.00
ST1-028	Rendering 19mm Thick in Cement Sand Motar 1:2 Mix (Rough):	Sq.m	1,581.00	1,503.00	1,594.00	1,667.00	1,546.00
ST1-029	Rendering 19 mm Thick in Cement Sand Motar 1:2 Mix (Smooth Finish):	Sq.m	1,776.00	1,695.00	1,789.00	1,872.00	1,741.00
ST1-030	Rendering 12.5 mm Thick in Cement Sand Motar 1:3 Mix (Rough):	Sq.m	1,053.00	992.00	1,061.00	1,116.00	1,025.00
ST1-031	Rendering 12.5 mm Thick in Cement Sand Motar 1:3 Mix (Smooth Finish):	Sq.m	1,266.00	1,203.00	1,274.00	1,340.00	1,238.00
ST1-032	Rendering 19 mm Thick in Cement Sand Motar 1:3 Mix (Rough):	Sq.m	1,473.00	1,386.00	1,480.00	1,554.00	1,431.00
ST1-033	Rendering 19 mm Thick in Cement Sand Motar 1:2 Mix (Smooth Finish):	Sq.m	1,689.00	1,599.00	1,696.00	1,781.00	1,647.00
ST1-034	Grade 10 1:4:8 (50mm) (Volume Batching) Using Crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) (Manual) [SSCM 1001.4]	Cu.m	22,400.00	20,101.00	20,470.00	20,095.00	19,997.00
ST1-035	Grade 10 1:4:8 (50mm) (Volume Batching) Using Crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) (Using Concrete Mixer) [SSCM 1001.8-1001.9] :	Cu.m	21,957.00	19,662.00	19,882.00	19,494.00	19,555.00
ST1-036	Grade 10 1:4:8 (50mm) With 20% Plums (Volume Batching) Using Crusher Run Aggregate (Excl. Transport of Aggregate & Piling) (Manual)	Cu.m	20,928.00	18,830.00	19,182.00	18,839.00	18,744.00
ST1-037	Grade 10 (50mm) With 20% Plums (Volume Batching) Using Crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) : (Using Concrete Mixer)	Cu.m	19,708.00	17,681.00	17,778.00	17,351.00	17,521.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
Note:	When hand broken aggregate (50 mm or 37.5 mm) are used, in place of crusher run aggregate, on approval by Pd/Ce S.S.R.R to be prepared based on the same norms.						
ST1-038	Grade 15 (37.5 mm) With 20% Plums (Volume Batching) Using Crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) (Manual)	Cu.m	22,283.00	20,043.00	20,395.00	20,193.00	20,042.00
ST1-039	Grade 15 (37.5 mm) With 20% Plums (Volume Batching) Using Crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) : (Using Concrete Mixer)	Cu.m	21,037.00	18,875.00	18,971.00	18,684.00	18,799.00
ST1-040	Grade 15 (37.5mm) (Volume Batching) Using Crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) [SSCM 1001.4] : (Manual)	Cu.m	25,665.00	23,116.00	23,594.00	23,467.00	23,191.00
ST1-041	Grade 15 (37.5 mm) (Volume Batching) Using Crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) : (Using Concrete Mixer)	Cu.m	24,429.00	21,957.00	22,177.00	21,966.00	21,956.00
ST1-042	Grade 15 (19 mm) (Volume Batching) Using crusher Run Aggregate (Excl. Transport Of Aggregate & Piling): (Manual)	Cu.m	26,053.00	23,419.00	23,963.00	23,899.00	23,220.00
ST1-043	Grade 15 (19 mm) (Volume Batching) Using Crushed Aggregate (Excl. Transport Of Aggregate & Piling) : (Using Concrete Mixer)	Cu.m	24,667.00	22,112.00	22,399.00	22,251.00	21,838.00
ST1-044	Grade 20 (37.5 mm) (Volume Batching) Using crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) : (Manual)	Cu.m	28,091.00	25,542.00	26,020.00	25,893.00	25,617.00
ST1-045	Grade 20 (37.5 mm) (Volume Batching) Using crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) : (Using Concrete Mixer)	Cu.m	27,022.00	24,550.00	24,770.00	24,558.00	24,549.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
ST1-046	Grade 20 (19 mm) (Volume Batching) Using crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) : (Manual)	Cu.m	28,261.00	25,639.00	26,190.00	26,134.00	25,448.00
ST1-047	Grade 20 (19 mm) (Volume Batching) Using crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) : (Using Concrete Mixer)	Cu.m	27,167.00	24,627.00	24,921.00	24,782.00	24,362.00
ST1-048	Mixing & Laying Using Concrete Mixer (W/Batching), Cement Concrete For Grade 25(19mm) Using crusher Run Aggregate in Foundations And Floors. (Excl. Transport Of Aggregate & Piling) : *	Cu.m	29,113.00	26,573.00	26,867.00	26,728.00	26,308.00
* See General Notes : Clause 33.7 of HSR published by RDA							
ST1-048A	Mixing & Laying Using Concrete Mixer (W/Batching), Cement Concrete For Grade 25 (70% 37.5+30% 19) Using crusher Run Aggregates. (Excl. Transport Of Aggregate & Piling) : *	Cu.m	26,839.00	24,520.00	24,901.00	24,846.00	24,552.00
* See General Notes : Clause 33.7 of HSR published by RDA							
ST1-049	Mixing & Laying Using Concrete Mixer (W/Batching), Cement Concrete For Grade 30(19mm), With crusher Run Aggregate. (Excl. Transport Of Aggregate & Piling) : *	Cu.m	32,529.00	29,982.00	30,271.00	30,126.00	29,711.00
*See General Notes : Clause 33.7 of HSR published by RDA							
ST1-050	Mixing & Laying Using Concrete Mixer (W/Batching), Cement Concrete For Grade 40(19mm), With Crusher Run Aggregate (Excl. Transport Of Aggregate & Piling) : *	Cu.m	35,914.00	33,359.00	33,646.00	33,498.00	33,085.00
*See General Notes : Clause 33.7 of HSR published by RDA							
ST1-051	Mixing & Laying Cement Concrete By Hand :	Cu.m	6,736.00	6,419.00	7,207.00	7,605.00	6,736.00
ST1-052	Mixing & Laying Cement Concrete By Power Driven Concrete Mixer V/Batching :	Cu.m	5,507.00	5,266.00	5,797.00	6,110.00	5,507.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
ST1-053	Curing Of Concrete Decks, Slabs, Beams, Walls Etc. [SSCM 1011.11] :	Sq.m / day	83.00	73.00	77.00	79.00	76.00
ST1-055	Fabricate & lay tor steel as reinforcement (incl. Transport) :	kg	423.00	418.00	427.00	439.00	423.00
ST1-056	Cutting & laying reinforcement fabric (excluding cost of reinforcement fabric) :	Sq.m	296.00	285.00	307.00	335.00	296.00
ST1-057	Suppling & Fixing 25mm Thick planks of class II timber as shuttering, including removing [SSCM 1008.3 (b)] :	Sq.m	2,389.00	2,356.00	2,400.00	2,466.00	2,389.00
ST1-058	Supplying & fixing class II timber bearers, joists, etc. including dismantling in shuttering [SSCM 1008.3 (a)] :	Cu.d eci m	99.00	96.00	100.00	107.00	99.00
ST1-059	100 - 150 mm dia. Round jungle timber supplied & fixed as props. :	m	131.00	125.00	133.00	146.00	131.00
ST1-060	150 - 200 mm dia. Round jungle timber supplied & fixed as props. :	m	137.00	130.00	139.00	151.00	137.00
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	5,252.00	5,203.00	5,385.00	5,466.00	5,252.00
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	4,617.00	4,570.00	4,760.00	4,831.00	4,617.00
ST1-063	Formwork smooth finish, using plywood (shutter 15 mm) and class II timber bearers, joists and jungle timber props for bridge abutments, wingwalls etc. :	Sq.m	4,240.00	4,113.00	4,368.00	4,559.00	4,240.00
Consider 2 no. Panels of 1m x 1m							
ST1-064	Supplying & fixing 25 mm thick planks and struts of class II timber as formwork rough finish, in foundation etc. including removing. [SSCM 1008.3(b)] :	Sq.m	2,378.00	2,322.00	2,396.00	2,506.00	2,378.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
ST1-065	Formwork smooth finish for general purposes, using 25 mm thick planks & struts of class II timber and round jungle timber props 100-150mm dia., including dismantling :	Sq.m	3,169.00	3,114.00	3,211.00	3,349.00	3,169.00
ST1-066	Laying & jointing 152 mm dia. Concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] :	m	4,214.00	4,158.00	4,252.00	4,336.00	4,214.00
ST1-067	Laying & jointing 229 mm dia. Concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] :	m	5,165.00	5,105.00	5,200.00	5,291.00	5,165.00
ST1-068	Laying & jointing 305 mm dia. Concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] :	m	6,133.00	6,070.00	6,175.00	6,270.00	6,133.00
ST1-069	Laying & jointing 457 mm dia. Concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] :	m	7,431.00	7,368.00	7,473.00	7,568.00	7,431.00
ST1-070	Laying & jointing 610 mm dia. Concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] :	m	11,865.00	11,739.00	11,949.00	12,138.00	11,865.00
ST1-071	Laying & jointing 915 mm dia. Concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] :	m	20,337.00	20,106.00	20,477.00	20,781.00	20,337.00
ST1-072	Laying & jointing 1220 mm dia. Concrete pipes (transport and bedding material paid separately) [SSCM 707.3(c) - 707.4] :	m	39,648.00	39,326.00	39,844.00	40,272.00	39,648.00
ST1-073	Laying & jointing 152 mm dia. Available concrete pipes and collars	m	936.00	880.00	973.00	1,057.00	936.00
ST1-074	Laying & jointing 229 mm dia. Available concrete pipes and collars	m	998.00	939.00	1,033.00	1,124.00	998.00
ST1-075	Laying & jointing 305 mm dia. Available concrete pipes and collars	m	1,079.00	1,016.00	1,121.00	1,215.00	1,079.00
ST1-076	Laying & jointing 610 mm dia. Available concrete pipes and collars	m	2,098.00	1,972.00	2,182.00	2,371.00	2,098.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
ST1-077	Laying & jointing 915 mm dia. Available concrete pipes and collars	m	3,602.00	3,371.00	3,742.00	4,046.00	3,602.00
ST1-078	Laying & jointing 1220 mm dia. Available concrete pipes and collars	m	5,154.00	4,832.00	5,350.00	5,777.00	5,154.00
ST1-079	Fixing new bridge new bride planks runners and stacking old planks (available) [SSCM 1402.2(a)] :	No	1,264.00	1,179.00	1,298.00	1,435.00	1,264.00
ST1-080	Removing & re-setting old bride planks :	No.	790.00	737.00	811.00	897.00	790.00
ST1-081	Supplying & fixing new bride planks of class I timber :	Cu. deci m	345.00	343.00	346.00	348.00	345.00
ST1-082	Supplying & fixing 31 mm thick deck planks of class I timber :	Sq.m	12,351.00	12,214.00	12,396.00	12,670.00	12,351.00
ST1-083	Fixing new chequered or m.s. plates on timber - decked bridge. [SSCM 1402.2(d)] :	m	1,865.00	1,739.00	1,916.00	2,117.00	1,865.00
ST1-084	Removing & refixing new chequered m.s. plates on timber - decked bridge. :	m	2,487.00	2,319.00	2,554.00	2,823.00	2,487.00
ST1-085	Tightening bolts & nuts of chequered or m.s. plates :	m	437.00	412.00	445.00	496.00	437.00
ST1-086	Removing & refixing 'u' clips. [SSCM 1402.2(b)] :	No	267.00	251.00	272.00	302.00	267.00
ST1-087	Cleaning, wire brushing & painting steel work, one coat enamel paint. :	Sq.m	443.00	423.00	457.00	476.00	443.00
ST1-088	Cleaning, wire brushing & applying tar on steel work , one coat :	Sq.m	266.00	246.00	279.00	299.00	266.00
ST1-089	Cleaning with cotton waste & painting steel work with enamel paint, one coat. :	Sq.m	302.00	298.00	311.00	314.00	302.00
ST1-090	Chipping to bare metal etc. & painting with anticorrosive paint, one coat. :	Sq.m	1,181.00	1,131.00	1,268.00	1,316.00	1,181.00
ST1-091	Painting with one coat of enamel paint after cleaning, derusting & application of one coat anticorrosive paint.[SSCM 1401.3(c)] :	Sq.m	940.00	912.00	991.00	1,015.00	940.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
ST1-092	Painting with two coat of enamel paint after cleaning, derusting & application of one coat anticorrosive paint. :	Sq.m	1,201.00	1,167.00	1,261.00	1,290.00	1,201.00
ST1-093	Oiling steel cables on suspension bridges [SSCM 1405.3] :	Sq.m	1,613.00	1,591.00	1,657.00	1,679.00	1,613.00
ST1-094	Cleaning booms of steel bridges including scaffolding where necessary [SSCM 1405.3]	m	106.00	103.00	113.00	116.00	106.00
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	4,199.00	3,909.00	4,452.00	4,724.00	4,199.00
ST1-096	Demolishing reinforced concrete and debris cleared	Cu.m	5,901.00	5,539.00	6,299.00	6,625.00	5,901.00
ST1-097	Demolishing unreinforced concrete invery heavy structures buildup of grade 30 above concrete in work such as bridge beams & deck slabs, including collecting & removing :	Cu.m	19,804.00	19,659.00	20,194.00	20,286.00	19,804.00
ST1-098	Supplying & fixing m/s. dowels, spliced and dove tailed with wedge at one end, 16 mm dia and 1 m long, boring holes t0 0.3 m depth in fixing :	No.	1,044.00	1,044.00	1,119.00	1,106.00	1,044.00
ST1-099	Supplying & fixing m/s. dowels, spliced and dove tailed with wedge at one end, 20 mm dia and 1 m long, boring holes t0 0.3 m depth in fixing :	No	1,354.00	1,354.00	1,438.00	1,424.00	1,354.00
ST1-100	Supplying & fixing m/s. dowels, spliced and dove tailed with wedge at one end, 25 mm dia and 1 m long, boring holes t0 0.3 m depth in fixing :	No	1,871.00	1,871.00	1,972.00	1,955.00	1,871.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
ST1-101	Laying & sandard 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	3,915.00	3,643.00	3,836.00	3,956.00	3,727.00
ST1-102	Lay standard precast bridge kerbs (cost of precast kerbs including transport to be paid separately) :	lm	707.00	656.00	730.00	798.00	707.00
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	439.00	412.00	430.00	442.00	423.00
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	2,520.00	2,305.00	2,488.00	2,635.00	2,430.00
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	1,540.00	1,357.00	1,519.00	1,654.00	1,469.00
ST1-106	Fixing precast hand railing and uprights using grade 25(19) concrete including form work for pockets. (cost of the precast items including transport and aggregate* transport, to pay separately.)	lm	2,228.00	2,095.00	2,222.00	2,364.00	2,178.00
*Quantity of aggregate required for concreting in 1 m length is equal to : 0.017 cu.m.							

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
ST1-107	Construction of R.C.C. grade 25(19 mm) end pillaster, type i. (aggr. Transport and iron piling to be paid separately)	No.	75,507.00	71,910.00	73,459.00	74,902.00	72,357.00
ST1-108	Construction of R.C.C. grade 25(19 mm) end pillaster, type II. (aggr. Transport and iron piling to be paid separately)	No	84,704.00	80,348.00	82,137.00	83,709.00	80,857.00
ST1-109	Construction of R.C.C. grade 25(19 mm) end pillaster, type III. (aggr. Transport and builtup rubble foundation to be paid separately)	No.	48,980.00	46,623.00	47,532.00	48,417.00	46,814.00
ST1-110	Construction of R.C.C. grade 25(19 mm) end pillaster, type iv. (aggr. Transport to be paid separately)	No.	52,294.00	49,900.00	50,880.00	51,851.00	50,125.00
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	1,269.00	1,172.00	1,238.00	1,264.00	1,192.00
*Aggregate required per 1 m for pin kerb - 0.01 cu.m & for foundation - 0.02 cu.m.							
ST1-112	Supplying & fixing 25 mm thick tongue & grooved planks with 50x50 mm struts of class i timber in panels as smooth shuttering for concrete drains :	Sq.m	2,268.00	2,227.00	2,321.00	2,402.00	2,268.00
ST1-113	Supply and packing 50 - 200 mm dry stone lining behind abutments and wing walls : (aggregate transport to pay separately) :	Cu.m	7,854.00	6,752.00	6,112.00	5,349.00	6,158.00
ST1-114	Laying geotextile on prepared surface supply and transport to pay separately :	Sq.m	81.00	76.00	86.00	91.00	81.00
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	11,346.00	10,155.00	9,701.00	8,878.00	9,711.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
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	11,941.00	10,698.00	10,325.00	9,555.00	10,306.00
ST1-117 (NE W)	Construction of kerb inlet with cover slabs, aggregate transport to pay separately:	No.	19,160.00	18,097.00	18,577.00	18,969.00	18,273.00
Note	Earth excavation to consider by engineer as per site condition and add separately if required						
Items reserved for bridge works only							
The rates in the following items from ST1-118 to ST1-120 should be added to the concrete rate selected from items ST1-038 TO ST1-050, depending on the structural location							
ST1-118 (NE W)	Additional labour for pouring, compacting and levelling concrete in screed under foundation slab :	Cu.m	1,142.00	1,096.00	1,208.00	1,292.00	1,142.00
ST1-119 (NE W)	Additional labour for pouring & compacting concrete in abutment, wingwalls, capping beams including screed of bridge decks. :	Cu.m	353.00	341.00	353.00	400.00	353.00
ST1-120 (NE W)	Additional labour for pouring, compacting and levelling infiler concrete between bridge beams including screed of bridge decks. :	Cu.m	1,716.00	1,617.00	1,749.00	1,947.00	1,716.00
ST1-121 (NE W)	Laying ready mixed grade concrete including vibration.* (supply of concrete to be paid separately) :	Cu.m	2,263.00	2,154.00	2,359.00	2,540.00	2,263.00
*Additional labour to be considered depending on the location of concretion.							
ST1-122 (NE W)	Supplying and laying approved hard rubber bearing pads 75mm x 12mm over capping beams and under the approach slabs :	m	2,831.00	2,823.00	2,834.00	2,849.00	2,831.00
ST1-123 (NE W)	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	210.00	192.00	211.00	218.00	200.00
ST1-124	230 mm dia. Polythene displaces supplied and	m	117.00	112.00	119.00	124.00	117.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
(NE W)	filled with saw dust or similar light material in deck. Transport of saw dust to be pay separately :						
ST1-125 (NE W)	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	177.00	169.00	181.00	190.00	177.00
ST1-126 (NE W)	Pcc beams (10.55 to 13.5m) launched into position :	m	15,416.00	15,301.00	15,467.00	15,621.00	15,416.00
ST1-127 (NE W)	M.s. angle iron and hard rubber expansion joints	m	11,846.00	11,529.00	12,004.00	12,504.00	11,846.00
7.3.11.Kilometer posts and guard stones							
RF1-001	White washing, two coats to guide/guard stone :	No.	91.00	86.00	97.00	102.00	91.00
RF1-002	White washing, two coats k.m.stones inc. Numbering & tar skirting	No.	965.00	904.00	1,027.00	1,088.00	965.00
RF1-003	Painting white back ground on parapets etc. & stenciling nos. :	No.	396.00	375.00	418.00	439.00	396.00
RF1-004	Fixing guard stones in any soil :	No.	282.00	256.00	295.00	320.00	282.00
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.	9,074.00	8,451.00	8,968.00	9,356.00	8,717.00
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.	5,963.00	5,589.00	5,949.00	6,229.00	5,789.00
RF1-007	Fixing standard type k.m. stone in any soil :	No.	2,087.00	1,912.00	2,194.00	2,370.00	2,087.00
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.	1,308.00	1,181.00	1,238.00	1,259.00	1,210.00
RF1-009	Casting standard type guard stones in concrete [1:2:4(19 mm) & cement 282.5 kg/cu.m :	No.	3,294.00	3,048.00	3,219.00	3,349.00	3,134.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
RF1-009 A	Casting standard type guard stones in concrete g25(19), for bridges & culverts :	No.	4,752.00	4,513.00	4,675.00	4,800.00	4,591.00
RF1-010	Route numbering with reflective paint on 2 sides	No.	840.00	815.00	840.00	943.00	840.00
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.	3,212.00	3,028.00	3,144.00	3,250.00	3,087.00
Note	19 mm aggregate per boundary marker Cu.m						
7.3.12. Notice boards & sign boards							
[SSCM 810.2 and 1501.3]							
(All paints should conform to the requirements of S.L.S. as given in SSCM 1707)							
RS1-001	Notice & traffic sign boards etc. Fixed in concrete [1:3:6(35.7 mm) and cement 219 kg/cu.m), (excluding transport of aggregate) :	No.	2,317.00	2,112.00	2,227.00	2,312.00	2,178.00
RS1-002	Cleaning white washing 2 coat town name boards (inc. Tar skirt) :	No.	513.00	486.00	540.00	567.00	513.00
RS1-003	Cleaning, painting one coat & lettering etc. town traffic sign boards inc. Paint post in b/w :	No.	3,041.00	2,888.00	3,093.00	3,400.00	3,041.00
RS1-004	Cleaning and painting one coat on notice board:	Sq.m	520.00	506.00	547.00	561.00	520.00
RS1-005	Lettering & numbering below 50 mm :	No.	69.00	67.00	69.00	77.00	69.00
RS1-006	Lettering & numbering 50 mm - 75 mm	No.	82.00	80.00	82.00	93.00	82.00
RS1-007	Lettering & numbering 75 mm - 150 mm :	No.	103.00	100.00	103.00	116.00	103.00
RS1-008	Lettering & numbering 150 mm - 225 mm :	No.	137.00	133.00	137.00	154.00	137.00
RS1-009	Painting 2 coats continuous centre line, 100 mm wide with enamel paint :	m	201.00	194.00	204.00	219.00	201.00
RS1-010	Painting 1 coat continuous centre line, 100 mm wide with road marking paint (white) :	m	206.00	198.00	209.00	225.00	206.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
RS1-001	Painting 2 coats broken centre line, 100 mm wide with enamel paint :	m	182.00	174.00	184.00	200.00	182.00
RS1-012	Painting 1 coat broken centre line, without reflective studs), 100 mm wide, at 3 metre intervals with road marking paint (white) :	m	187.00	179.00	190.00	206.00	187.00
RS1-013	Barricading with empty (hot tar) barrels including white washing, transporting and cost of barrels :	No.	555.00	535.00	565.00	585.00	555.00
RS1-014	Revetment to banks etc. With empty barrels in horizontal tiers with vertical batter (1:8), including transport of barrels :	No.	842.00	787.00	868.00	933.00	842.00
RS1-015 (A ME ND ED)	Road marking continuous centre line 100 mm width, using thermoplastic paint(white), inclusive barricading :	Sq.m	489.00	477.00	493.00	513.00	489.00
(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 (A ME ND ED)	Road marking, standard pedestrian crossing, using thermoplastic paint(white), inclusive barricading :	m	1,072.00	1,054.00	1,079.00	1,111.00	1,072.00
(Paint material and reflective glass beads to pay separately)							
Note	1 kg of thermoplastic paint covers 0.28 Sq.m area at 1.5 mm thickness						
6 kg of glass beads is sufficient for 15 metre long standard crossing.							
RS1-017 A	Supplying and paving inter locking 210 X 110 X 60mm (15N/mm ²) blocks in 1:2:4(12.5mm) cement concrete blocks (Excluding block transport((Trans[port schedule to main town of each district)	Sq.m	4,531.00	4,243.00	4,347.00	4,448.00	4,319.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
RS1 - 017 B	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	4,746.00	4,459.00	4,563.00	4,664.00	4,534.00
RS1 - 017 C	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	4,531.00	4,243.00	4,347.00	4,448.00	4,319.00
7.3.13 Miscellaneous							
MS 1- 001	Preparing, stock piling premix using pen. Grade bitumen (excl. Transport of aggregate) (site made) : (excluding cost of bitumen)	Cu.m	17,686.00	15,549.00	16,501.00	15,987.00	15,789.00
MS 1- 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	240.00	225.00	236.00	222.00	225.00
MS 1- 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	236.00	221.00	232.00	218.00	222.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1- 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	236.00	221.00	232.00	218.00	222.00
MS 1- 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	1,718.00	1,518.00	1,683.00	1,705.00	1,591.00
MS 1- 006	Patching pot holes using plant made premix bound including sealing the patching with emulsion (crs-1) painting @ 7.3 ltr/mton, cover with sand (transport of premix paid separately):(excluding cost of emulsion) :	Mt.	5,615.00	4,898.00	5,600.00	5,947.00	5,266.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1- 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	1,439.00	1,282.00	1,349.00	1,364.00	1,286.00
MS 1- 008	Patching deep pot holes deeper than 75 mm with c/b premix material (site made) to a depth of 37.5 mm (over the already prepared surface with aggregate and gravel paid separately) using 10-20% cut back bitumen at the rate of 83.5 ltr/cu.m of 19 mm and downgraded aggregate incl. Preparation of surface, tack coat with 30% cut back bitumen at .75 ltr/Sq.m, trimming sides, laying premix, tamping etc. Complete (rate inclusive of premix made at site and tacl coat) (excl. Transport of aggregate & bitumen) :(excluding cost of bitumen) :	Sq.m	1,004.00	900.00	998.00	1,014.00	941.00
MS 1- 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	75.00	71.00	81.00	85.00	75.00

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Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1- 010	Patching ruts and depressions up to 75 mm depth using site made cold mix (cut back) material with the surface and edge prepared as per specifications and application of tack coat with 30% cut back bitumen at .75 ltr/Sq.m, (excl. Transport of aggregate) : (excluding cost of bitumen) :	Sq.m	1,495.00	1,316.00	1,451.00	1,452.00	1,368.00
MS 1- 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 paid separately): (excluding cost of bitumen) :	Sq.m	591.00	555.00	625.00	661.00	591.00
MS 1- 012	Patching ruts and depressions deeper than 75 mm the surface and edge prepared as per specifications tack coat with 30% cut back bitumen at .75 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	1,420.00	1,297.00	1,449.00	1,484.00	1,358.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1- 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	1,058.00	978.00	1,106.00	1,161.00	1,035.00
MS 1- 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	1,224.00	1,137.00	1,287.00	1,350.00	1,202.00
MS 1- 015 M	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	1,791.00	1,647.00	1,846.00	1,903.00	1,728.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1- 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	2,128.00	1,963.00	2,206.00	2,283.00	2,065.00
MS 1 - 017	Patching sealing with emulsion painting the surface by spray of crs-1 at the rate of 0.75 ltr/Sq.m squeezing the emulsion and spreading the blotton material (sand) at the rate of 1 cu.m/125 Sq.m : (excluding cost of emulsion) :	Sq.m	111.00	82.00	93.00	98.00	88.00
MS 1- 018	Patching sealing with hot bitumen painting the surface by using 0.75 ltr/Sq.m squeegeing the bitumen and spreading the blotton material (sand) at the rate of 1 cu.m/125 Sq.m (transport of bitumen paid separately) : (excluding cost of bitumen) :	Sq.m	113.00	84.00	96.00	101.00	91.00
MS 1- 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	279.00	219.00	249.00	265.00	237.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1- 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 & squeegeed including brushing and cleaning the surface before application : (excluding cost of emulsion) :	Sq.m	250.00	194.00	219.00	229.00	207.00
MS 1- 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	38.00	35.00	40.00	44.00	38.00
MS 1- 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	5.00	4.00	5.00	5.00	5.00
MS 1- 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	6.00	6.00	7.00	7.00	6.00
MS 1- 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	8.00	8.00	9.00	9.00	8.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1- 025	Repairs to damage of shoulders verges and embankments slopes including making good depressions, ruts, holes and erosion path with approved gravelly soil and compacting the same with roller (8-10 ton) as directed (gravelly soil be paid separately if brought from outside) [SSCM 1201.3] :	Cu.m	873.00	837.00	892.00	928.00	873.00
MS 1- 026	Re grading and re gravelling of shoulders with gravel of approved quality, duly compacted with roller (8-10 tons) as directed for repairing high sides caused by heavying's deposits and construction debris, to required levels by using a grader (120-140 hp) (gravel be paid for separately) [scm 1201.3(b)] :	Cu.m	524.00	524.00	524.00	524.00	524.00
MS 1- 027	Re grading and re gravelling of shoulders with gravel of approved quality, duly compacted with roller (8-10 tons) as directed for repairing high sides caused by heavying's deposits and construction debris, to required levels by manually ((gravel (loose volume) paid separately) [scm 1201.3(b)] :	Cu.m	949.00	908.00	970.00	1,011.00	949.00
MS 1- 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	3,405.00	3,142.00	3,382.00	3,521.00	3,256.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1- 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.	987.00	897.00	1,031.00	1,121.00	987.00
MS 1- 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.	1,409.00	1,281.00	1,473.00	1,602.00	1,409.00
MS 1- 031	Weeding masonry culverts small bridges and retaining walls [SSCM 1303.3] :	No.	346.00	336.00	366.00	377.00	346.00
MS 1- 032	Masonry random rubble with boulders including collect [SSCM 1006.3(b)] :	Cu.m	1,844.00	1,748.00	1,916.00	2,085.00	1,844.00
MS 1- 033	Fixing cats eyes in tar macadam including breaking road surface, barricade etc. [SSCM 810.3(c)] :	No.	512.00	478.00	546.00	577.00	512.00
MS 1- 034	Reducing high sides in ordinary soil [SSCM 301.3/1201.3(c)] :	Cu.m	850.00	777.00	886.00	958.00	850.00
MS 1- 035	Reducing high sides in medium soil :	Cu.m	1,248.00	1,140.00	1,303.00	1,411.00	1,248.00
MS 1- 036	Reducing high sides in hard soil :	Cu.m	1,647.00	1,502.00	1,719.00	1,864.00	1,647.00
MS 1- 037	Reducing high sides in soft rock :	Cu.m	2,045.00	1,864.00	2,136.00	2,317.00	2,045.00
MS 1- 038	Reducing high sides in rock requiring blasting :	Cu.m	4,825.00	4,624.00	5,077.00	5,253.00	4,825.00
MS 1- 039	White washing 1 coat to parapets of bridges and culverts. [SSCM 1403.3(e)]	Sq.m	63.00	59.00	66.00	69.00	63.00
MS 1- 040	White washing 2 coats to parapets of bridges and culverts :	Sq.m	105.00	99.00	111.00	116.00	105.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1-041	White washing 1 coat to parapets of bridges and culverts after cleaning attending to minor repairs	Sq.m	124.00	122.00	128.00	130.00	124.00
MS 1-042	White washing 2 coats to parapets of bridges and culverts after cleaning attending to minor repairs	Sq.m	168.00	164.00	176.00	178.00	168.00
MS 1-043	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	398.00	398.00	412.00	410.00	398.00
MS 1-044	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	419.00	419.00	433.00	431.00	419.00
MS 1-045	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	668.00	668.00	695.00	691.00	668.00
MS 1-046	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	660.00	660.00	687.00	682.00	660.00
MS 1-047	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	338.00	338.00	353.00	351.00	338.00
MS 1-048	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	298.00	298.00	310.00	308.00	298.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1- 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	322.00	322.00	334.00	332.00	322.00
MS 1- 050	Cleaning & painting 100 mm wide stripe for skirting to guard stones. [SSCM 1501.3(b)(v)]:	lm	115.00	107.00	122.00	130.00	115.00
MS 1- 051	Painting 2 coats standard pedestrian crossing for carriageway. [SSCM 810.2(c)]:	lm	3,385.00	3,269.00	3,423.00	3,654.00	3,385.00
MS 1- 052	Painting 1 coat standard pedestrian crossing for carriageway using road marking paint. [SSCM 810.2(c)]:	lm	3,510.00	3,384.00	3,552.00	3,804.00	3,510.00
MS 1- 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	885.00	857.00	899.00	927.00	885.00
MS 1- 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	178.00	172.00	191.00	198.00	178.00
MS 1- 055	Roughening existing smooth tarred metaled carriageway by hand for bonding, collecting disposal of all loose materials. [SSCM 403.3(b)]:	Sq.m	25.00	24.00	28.00	29.00	25.00
MS 1- 056	Supply of diesel for machineries: (ex-filling station)	1	363.00	363.00	363.00	363.00	363.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
MS 1-057	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	9,656.00	9,276.00	10,037.00	10,417.00	9,656.00
MS 1-058	Patching road with premix after preparing surface with emulsion (css-1) at .75 ltr/Sq.m as tack coat, including internal transport and hand stamping. (supply of premix (loose vol.) Paid separately) [SSCM 1102.3(b)(i)] :(excluding cost of emulsion) :	mt.	9,250.00	8,869.00	9,542.00	9,959.00	9,250.00
MS 1-059	Painting two coats enamel paint on kerbs, after cleaning and preparing surfacing. :	Sq.m	658.00	651.00	689.00	693.00	658.00
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	26,725.00	24,516.00	25,250.00	24,810.00	24,828.00
MS1-061 (NE W)	Breaking manually asphalt layer 2" - 3" thick on the carriageway for kerb laying:	m	621.00	595.00	673.00	703.00	621.00
7.3.14 Surveying, levelling and day works							
SV1-001	Supply of unskilled labour	day	2,200.00	2,000.00	2,300.00	2,500.00	2,200.00
SV1-002	Supply of semiskilled labour :	day	2,300.00	2,200.00	2,500.00	2,600.00	2,300.00
SV1-003	Supply of skilled 'a' grade labour :	day	3,000.00	2,900.00	3,000.00	3,400.00	3,000.00
SV1-004	Supply of skilled 'b' grade labour :	day	2,500.00	2,500.00	2,800.00	2,750.00	2,500.00
SV1-005	Clearing jungle (light) to a width of 1.22 m for survey work :	km	8,404.00	7,640.00	8,786.00	9,550.00	8,404.00

Road Works Rate 2024

Code	Description of Items	Unit	Basic Rate (Rs.)				
			Jaffna	Killinochchi	Mullaitiu	Vavuniya	Mannar
SV1-006	Clearing jungle (medium) to a width of 1.22 m for survey work :	km	11,205.00	10,186.00	11,714.00	12,733.00	11,205.00
SV1-007	Clearing jungle (heavy) to a width of 1.22 m for survey work :	km	16,807.00	15,280.00	17,571.00	19,099.00	16,807.00
SV1-008	Supply of labour for cleaning and cutting pegs and pegging :	km	2,196.00	2,101.00	2,387.00	2,483.00	2,196.00
SV1-009	Levelling chaining and pegging and establishing bench marks on concrete rock or pegs and checking back levels :	km	4,393.00	4,202.00	4,775.00	4,966.00	4,393.00
SV1-010	Surveying including fixing pickets & taking angles :	km	4,393.00	4,202.00	4,775.00	4,966.00	4,393.00
SV1-011	Changing traverse lines and taking off-sets :	km	5,857.00	5,602.00	6,366.00	6,621.00	5,857.00

**RATES FOR
MATERIAL TESTING**

PROVINCIAL ENGINEERING LABORATORY, NORTHERN PROVINCE

8.RATES FOR MATERIAL TESTING			
No	Instruments	Test	Rate (Rs)
8.1. MOISTURE CONTENT			
1	Moisture Content	Oven Method	800.00
2	Speedy Moisture Test	For reliable moisture measurement in field	1,000.00 + Travelling
3	Moisture Meter	For direct digital reading of moisture measurement	1,100.00 + Travelling
8.2. SOIL INDEX PROPERTIES			
4	Casagrande Apparatus	To determine the Liquid limit, Plastic limit, Plastic index	3,200.00
5	Cone Penetrometer	To define Plastic limit, Plastic index	3,200.00
8.3. IN -SITU DENSITY			
6	Sand Replacement	To determine the dry density of in – situ soil	1900.00 + Travelling
7	Core cutter Apparatus	To determine the density of in situ soil	1900.00 + Travelling
8.4. PARTICLE SIZE DISTRIBUTION			
8	Test sieve	1. Fine Aggregate:200BS/ISO s/S 4.75pp-200 Bs/ISO s/s 75 UMWW	2,100.00
		2. Coarse Aggregate: 300BS/ISO 75.0 pp-300 BS/ISO 4.00 pp	2,100.00
		3. Soil Hydrometer: Practical (beyond the clay size) Distribution by wet sieving	2,000.00
9	Compaction Test	1. Standard Compaction Test	3,900.00
		2. Modified Compaction Test	4,100.00
10	CBR	California Bearing Ratio	4,400.00
8.5. BEARING CAPACITY AND SOIL PROFILE			
11	Plate Bearing Test Equipment	Determination of bearing capacity of the soil in in-situ	3,500.00 + Travelling
12	Proving Ring Penetrometer	Field testing of CBR, Co relate the bearing capacity with CBR testing method (Including Transport)	1,500.00 + Travelling
13	SPT	Standard Penetration Test (Per Point)	6,000.00 + Travelling
8.6. CONCRETE			
14	Slump Test	To measure the workability of fresh cement	750.00
15	Cube casting	Require that specimens are casted in number of standard sizes convenient of compression and flexural test determinations	1,000.00

Material Testing Rate 2024

No	Instruments	Name of the Test	Rate (Rs)
8.7. COMPRESSIVE STRENGTH			
16	ADR 1500 Compression	1. Cubes of 150*150 mm, 100*100 mm, 200*200 mm	750.00
		2. Compression testing for cylinders (with or without capping)	1,000.00
		3. Compression testing for concrete Blocks	700.00
		- Water Absorption	500.00
		- Drying Shrinkage and Wetting Expansion	650.00
		- Density of the Block	650.00
		- Moisture Content	750.00
		4. Compression testing for Paving Blocks	750.00
		5. Compression testing for Clay Bricks	750.00
		-Water Absorption	400.00
		-Dimension	100.00
17	100KN Flexural (Beams)	Flexural and transverse strength of concrete and determine the internal stresses of the concrete	5,000.00
8.8. NON DESTRUCTIVE TEST			
18	Digital Schmitt Hammer	To calibrate the surface hardening of the surface by using vibration reaction (Per point with 9 shots)	3,000.00 + Travelling
19	Rebar Locator	To determine the cover blocks thickness and spacing of the reinforcement which are buried on the concrete (per Sq. m)	3,000.00 + Travelling
8.9. AGGREGATES			
20	Flakiness Gauge	The degree of flakiness and elongation to determine to avoid the low workability of concrete mix and long-term durability barriers	1,600.00
21	Length Gauge	Measure the ratio of length to width of individual particles as described in EN 933-4	1,600.00
22	AIV	AIV impact value is to determine various mechanical characteristic that need to be known in order to select the most suitable economic type of aggregate	3,150.00
8.10. ASPHALT			
23	Bitumen Penetrometer	To the determination of road asphalt, liquid asphalt emulsified asphalt distillation or evaporation residue penetration	2,700.00
24	Mot Edge	To measure irregularities on road pavement, floors, concrete pavements	2,700.00
25	Coating Gauge	Find out the coating thickness of Aluminum partition (Per Sample)	700.00

No	Instruments	Name of the Test	Rate (Rs)
8.11. SOIL SAMPLING			
26	SO - 1	Hand Augering, 0.0 - 1.5m	2,850.00 + Travelling
27	SO - 2	Hand Augering, 1.5 - 3.0m	3,200.00 + Travelling
28	SO - 3	Hand Augering, 3.0 - 4.5m	3,550.00 + Travelling
29	SO - 4	Collecting a disturbed sample	200.00 + Travelling
30	SO - 8	Collecting an undisturbed sample	3,500.00 + Travelling