SCHEDULE OF RATES - 2026

MATERIAL TESTING

NORTHERN PROVINCE

Office of the Deputy Chief Secretary

Engineering Services

Northern Province

Jaffna

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1.PREFACE

It is my great pleasure to release the Schedule of Rates – 2026 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 2026 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, Provincial 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.

Thanuja Murugeson
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 2026 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.C.Saseeharan - Additional Provincial Director (Department of Buildings, NP)
2. Eng K. Kowsikan - Chief Engineer (Department of Road Development, NP)
3. Eng.S.Vihirthan - Additional Provincial Director (Department of Irrigation, NP)
4. Eng.S.Paraneetharan - Engineer (Department of Local Government, NP)
5. Eng.S.Sulaxana - Engineer (Department of Health, NP)
6. Eng.S.Saranja - School Works Engineer, (Department of Education, 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 6% General Overhead shall be reduced.
- 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/mm^2 per meter

Weight per meter = 0.006165 Θ^2 kg

Weight per mm^2 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)	3,800.00	3,800.00	3,800.00	3,800.00	3,800.00
Skilled Grade II	Day (8hrs)	3,400.00	3,400.00	3,500.00	3,400.00	3,400.00
Semi-Skilled	Day (8hrs)	3,200.00	2,900.00	3,200.00	3,100.00	2,900.00
Unskilled	Day (8hrs)	3,000.00	2,800.00	3,000.00	2,900.00	2,800.00

RATES FOR
MATERIAL TESTING

PROVINCIAL ENGINEERING LABORATORY, NORTHERN PROVINCE

GENERAL NOTES

1. This Test Rates becomes operative from 01.01.2026.

2. The test rates are applicable only for the samples which are delivered to the laboratory

3. When test is carried out in the field, Transport charges, overtimes and travelling allowances for the staff will be added separately

8.RATES FOR MATERIAL TESTING				
No	**Instruments**	**Test**	**Test Standard/ Method**	**Rate (Rs)**
8.1. MOISTURE CONTENT				
1	Moisture Content	Oven Method	BS EN ISO 17892-1:2014	1000.00
2	Speedy Moisture Test	For reliable moisture measurement in field	BS EN ISO 17892-1:2014	1,000.00 + Travelling
3	Moisture Meter	For direct digital reading of moisture measurement	BS EN ISO 17892-1:2014	1,100.00 + Travelling
8.2. SOIL INDEX PROPERTIES				
4	Casagrande Apparatus	To determine the Liquid limit ,Plastic limit, Plastic index	BS 1377 Part 2:1990	3,200.00
5	Cone Penetrometer	To define plastic limit ,Plastic limit, Plastic index	TRL DCP (RN 31)	3,200.00
8.3. IN -SITU DENSITY				
6	Sand cone apparatus Replacement	To determine the dry density of in – situ soil	BS 1377 Part 2:1990	2000.00 + Travelling
7	Core cutter Apparatus	To determine the density of in situ soil	ASTM D5361	2000.00 + 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	BS 812-103.1:1985	2,100.00
		2. Coarse Aggregate: 300BS/ISO 75.0 pp-300 BS/ISO 4.00 pp	BS 812-103.1:1985	2,100.00
		3. Soil Hydrometer: Practical (beyond the clay size) Distribution by wet sieving	ASTM D7928	2,000.00
9	Compaction Test	1. Standard Protector Compaction Test	BS 1377 Part 4:1990	3,900.00
		2. Modified Protector Compaction Test	BS 1377 Part 4:1990	4,100.00
10	CBR	California Bearing Ratio	BS 1377 Part 4:1990	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	ASTM D1194 - 94	3,500.00 + Travelling
12	Proving Ring Penetrometer	Field testing of CBR, Co relates the bearing capacity with CBR testing method (Including Transport)	ASTM D2937	1,500.00 + Travelling
13	SPT	Standard Penetration Test (Per Point)	ASTM D1586	6,000.00 + Travelling

No	Instruments	Test	Test Standard/ Method	Rate (Rs)
8.6. CONCRETE				
14	Slump Test	To measure the workability of fresh cement	BS 1881-102:1983	750.00
15	Cube casting 3 Nos	Require that specimens are casted in number of standard sizes convenient of compression and flexural test determinations	BS EN – 12390 2:2019	1,000.00
8.7. COMPRESSIVE STRENGTH				
16	**ADR 1500 Compression**	1. Cubes of 150*150 mm,100*100 mm,200*200	BS EN – 12390 3:2019	750.00
		2. Compression testing for cylinders (with or without capping)		1,000.00
		3. Compression testing for concrete Blocks	SLS :855 Part1	700.00
		- Water Absorption	SLS :855 Part1	500.00
		- Drying Shrinkage and Wetting Expansion	SLS :855 Part1	650.00
		- Density of the Block	SLS :855 Part1	650.00
		- Moisture Content	SLS :855 Part1	750.00
		4. Compression testing for Paving Blocks	SLS 1425 Part 2:2011	750.00
		5. Compression testing for Clay Bricks	ASTM C62 – 13a(41)	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	BS EN – 12390 5:2019	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)	BS 1881 – 202 1986	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. meter)		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	BS 812 – 105.1:1989	1,600.00
21	Length Gauge	Measure the ratio of length to width of individual particles as described in EN 933-4	BS 812 – 105.2:1989	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	BS 812 – 112.1:1990	3,150.00

No	Instruments	Test	Test Standard/ Method	Rate (Rs)
8.10. ASPHALT				
23	Bitumen Penetrometer	To the determination of road asphalt, liquid asphalt emulsified asphalt distillation or evaporation residue penetration	ASTM D5	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
8.11. SOIL SAMPLING				
26	SO - 1	Hand Augering, 0.0 - 1.5m	BS 1377 Part 2:1990	2,850.00+ Travelling
27	SO - 2	Hand Augering, 1.5 - 3.0m	BS 1377 Part 2:1990	3,200.00+ Travelling
28	SO - 3	Hand Augering,3.0 - 4.5m	BS 1377 Part2:1990	3,550.00+ Travelling
29	SO - 4	Collecting a disturbed sample	BS 1377 Part 2:1990	200.00 + Travelling
30	SO - 8	Collecting an undisturbed sample	BS 1377 Part 2:1990	3,500.00+ Travelling