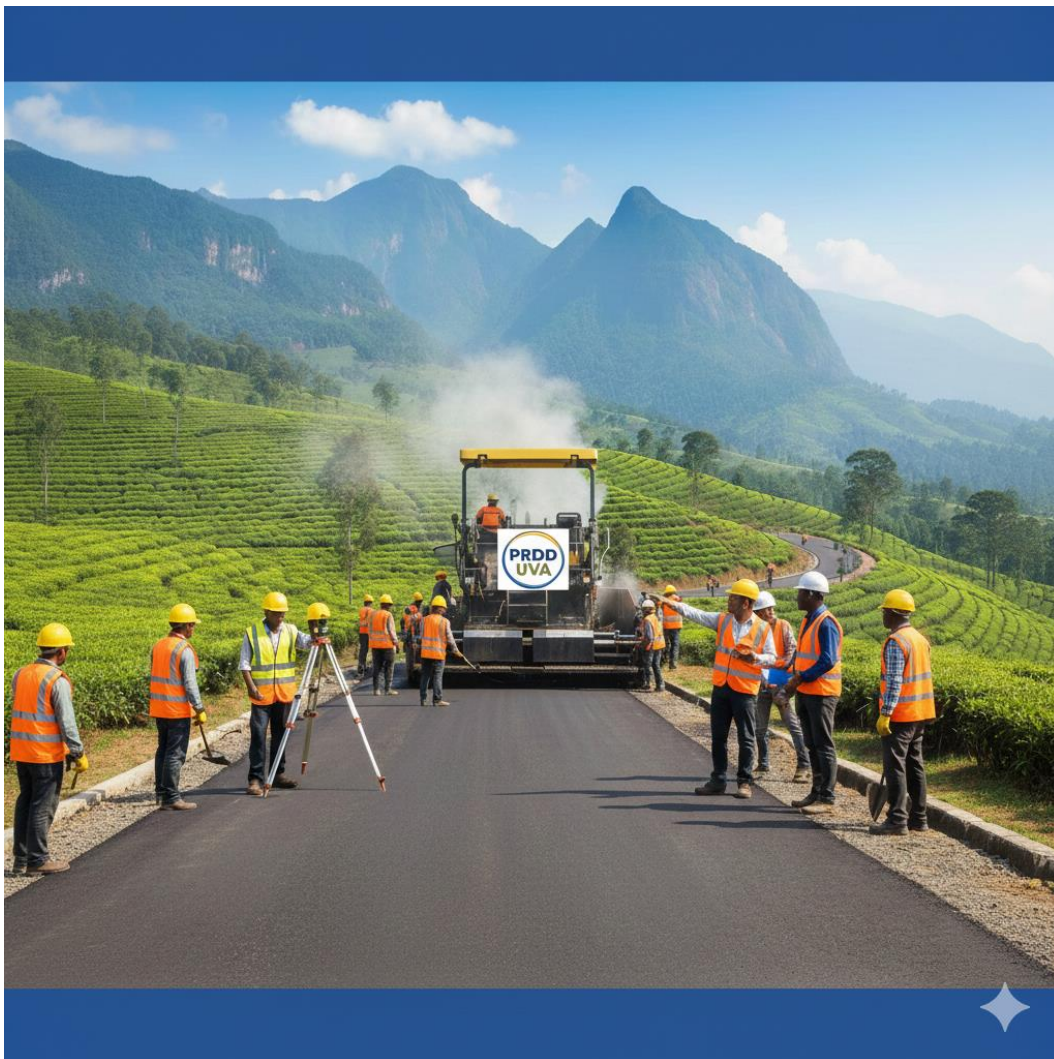




UVA PROVINCIAL COUNCIL

HIGHWAY SHEDULE OF RATES 2026 – REVISED 01



Prepared by: Uva Provincial Road Development Department
Effective Date: May 05, 2026

HIGHWAY SCHEDULE OF RATES

2026 – Revised 01

**PROVINCIAL ROAD DEVELOPMENT DEPARTMENT
UVA PROVINCIAL COUNCIL**

පෙරවදන

උච පළාත් මාර්ග සංවර්ධන දෙපාර්තමේන්තුව විසින් සකස් කරන ලද මෙම ඒකක මිල ගණන් (HSR 2026 – Revised 01), විසිවන සැකසුම වේ. මෙම ඒකක මිල ගණන් මහා පරිමාණයේ ව්‍යාපෘති සඳහා භාවිතා නොකළ යුතු අතර, ඒ සඳහා සුදුසු පරිදි ඒකක මිල ගණන් සංශෝධනය කළ යුතුය.

මෙම ඒකක මිල ගණන් භාවිතා කිරීම පිළිබඳ සරල සිංහල භාෂාවෙන් උපදෙස් ඇතුළත් කර ඇති අතර, භාවිතා කරන්නන් වෙත පහසුවෙන් තේරුම් ගැනීමටත්, නිවැරදිව යොදා ගැනීමටත් මෙය ඉවහල් වේයැයි අපේක්ෂා කරමි.

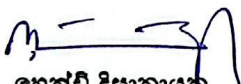
2026 වර්ෂයේ දී මිල ගණන් සැකසීමේ දී වැට් රහිත හා වැට් සහිත ඉදිකිරීම් ද්‍රව්‍ය වල මිල ගණන් සකසා ඇති අතර, එම මිල ගණන් උපදෙස් මාලාවේ සඳහන් කර ඇති පරිදි උචිත අවස්ථාවල දී භාවිතා කිරීමට විශේෂ අවධානය යොමු කළ යුතුය. (වැට් රහිත මිල ගණන් කර්මාන්ත මිල ගණන් කැඳවීම මගින් ඉටු කරන කර්මාන්ත සඳහා ද වැට් සහිත මිල ගණන් අනුමත සමීක්ෂණ මගින් ඉටු කරන කර්මාන්ත සඳහා ද වශයෙනි.)

තවද මෙහි සම්මත පිරිවිතරයන්හි (SCA/5) අදාළ අංක හා ගෙවීම් අංක 2009 ජුනි මස ඉදි කිරීම් අභ්‍යාස හා සංවර්ධන ආයතනය විසින් (ICTAD) නිකුත් කරන ලද දෙවන සංස්කරණය අනුව සංශෝධනය කර ඇත. බහුලව භාවිතා වන සම්මත පිරිවිතරයන්හි උපුටා ගැනීම්, ඇමුණුම අංක 2 ලෙස දක්වා ඇත. මෙය සම්මත ප්‍රමාණ පත්‍ර (BOQ) අනුව ඇස්තමේන්තු සැකසීම සඳහාත්, ක්‍රමවත් මෙන්ම ආරවුල් විරහිත කොන්ත්‍රාත් කළමනාකරණයටත්, ප්‍රමිතිය උසස් කර ගැනීමටත් ඉවහල් වනු ඇත.

ටීට් අමතරව ද්‍රව්‍ය, ප්‍රවාහන මිල ගණන් ඉතා පහසුවෙන් හා නිවැරදිව, මූලික මිල ගණන් වලට එකතු කිරීම සඳහා අවශ්‍ය තොරතුරු වග ආකාරයෙන් දක්වා ඇත. එය ද ඇස්තමේන්තු සැකසීමේ දී ඇතිවන විවිධ විෂමතා වැළැක්වීමට ඉවහල්වනු ඇතැයි අපේක්ෂා කෙරේ.

උච පළාත තුළ ග්‍රාමීය මාර්ග හා පාලම් ඉදිකිරීම් හා නඩත්තු කටයුතු වල නියුතු නගර සභා, ප්‍රාදේශීය සභා, ප්‍රාදේශීය ලේකම් කාර්යාල වලට අදාළ ඇස්තමේන්තු සකස් කිරීමේ දීද මෙය භාවිතා කිරීම ප්‍රයෝජනවත් වනු ඇතැයි අපේක්ෂා කෙරේ.

මෙම මිල ගණන් සකස් කිරීමේ දී අපගේ ඉල්ලීම පරිදි තම නිෂ්පාදන වල මිල ගණන් ලබා දෙමින් අවශ්‍ය සහය ලබා දුන් සියළුම ආයතන වලටත්, මෙය ඉතා ක්‍රමවත්ව, නිවැරදිව හා පියකරු ලෙස සකස් කළ අප දෙපාර්තමේන්තුවේ කාර්යය මණ්ඩලයටත් මාගේ ස්තූතිය පුද කරමි.


ඉංජි. හෙත්ච්චි දිසානායක
පළාත් මාර්ග අධ්‍යක්ෂ - උච

ඉංජි. හෙත්ච්චි දිසානායක
පළාත් මාර්ග අධ්‍යක්ෂ
උච පළාත් මාර්ග සංවර්ධන දෙපාර්තමේන්තුව
බදුල්ල

ස්තූතියි

ඒකක මිල ගණන්- 2026 – Revised 01 සැකසීමේ දී සහය වූ

ඌව පළාත් මාර්ග ඒකක මිල ගණන් තීරණය කිරීමේ කමිටුවේ සියළුම සාමාජිකයින්ටත්,

පළාත් මාර්ග සංවර්ධන දෙපාර්තමේන්තුවේ සියළුම ප්‍රාදේශීය ඉංජිනේරුවරුන්ටත්,

සැලසුම් අංශයේ සියළුම නිලධාරීන්ටත්,

මිල ගණන් ලබා දීමෙන් සහය දැක්වූ සියළුම රාජ්‍ය සහ පෞද්ගලික ආයතනයන්ටත්,

නන් අයුරින් සහය වූ

ඌව පළාත් මාර්ග සංවර්ධන දෙපාර්තමේන්තුවේ අනෙකුත් සියළුම කාර්යය මණ්ඩලයටත්

ස්තූතිවන්ත වන්නෙමු.

**Uva Provincial Road Development Department
Highway Schedule of Rates – 2026 Revised 01**

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2026 Revised 01 ඒකක මිල ගණන් භාවිතා කිරීමේ දී පිළිපැදිය යුතු කරුණු

හා භාවිතය සඳහා උපදෙස්

01. මෙම ඒකක මිල ගණන් (HSR – Revised 01) 2026 මැයි මස 05 දින සිට ක්‍රියාත්මක වේ. මෙම ඒකක මිල ගණන් ව්‍යාපෘති ඇස්තමේන්තු සකස් කිරීමේදී භාවිතය සඳහා වන උපරිම මිල ගණන් වේ. මෙම මිල ගණන් වලට වඩා අඩුවෙන් සම්පත් (එනම් ද්‍රව්‍ය, ශ්‍රමය හා යන්ත්‍ර) ප්‍රාදේශීය මට්ටමින් ලබා ගත හැකි අවස්ථා වලදී එම මිල ගණන් අනුව ප්‍රමාණ බිල්පත් (BOQ) සකස් කිරීමට අදාළ වගකිව යුතු අංශ වග බලා ගත යුතුය. තව ද මෙම ඒකක මිල ගණන් මහා පරිමාණයේ ව්‍යාපෘති සඳහා අදාළ පරිදි සංශෝධනය කර භාවිතා කළ යුතුය.

(සැ.යු:- නැවත දන්වන තුරු මෙම ලේඛනයේ රේඛයන්, ප්‍රමාණ බිල්පත් (BOQ) සකස් කිරීමට අදාළ කරගත යුතුය.)
02. මෙම ඒකක මිල ගණන් සකස් කිරීමේ දී වැට් රහිත හා වැට් සහිත වශයෙන් ඒකක මිල ගණන් සකස් කර ඇත. වැට් සහිත මිල ගණන් කුඩා පරිමාණයේ කර්මාන්ත ඇස්තමේන්තු කිරීමට හා වැට් රහිත මිල ගණන් තරඟකාරී මිල ගණන් යටතේ ඉටු කරවා ගැනීමට බලාපොරොත්තුවන කර්මාන්ත සඳහා භාවිතා කළ යුතුය.
03. පොදු කාර්යය හා ලාභාංශ සඳහා වන 20% ක් මෙම ඒකක මිල ගණන් වලට ඇතුළත් කර ඇත. එබැවින් පොදු කාර්යය (preliminary item) වියදම් ඇස්තමේන්තු වලට ඇතුළත් නොකළ යුතුය. එකතු කළ අගය මත බද්ද (VAT) සඳහා වන මුදල මෙම ඒකක මිල ගණන් වලට ඇතුළත් නොකළ යුතු අතර, ඇස්තමේන්තුවේ වෙනම අයිතමයක් ලෙස එය ඇතුළත් විය යුතුය. මෙය වැට් රහිත ඒකක මිල ගණන් භාවිතා කිරීමේ දී පමණක් සිදු කළ යුතුය.
04. සියළුම වැඩ, මාර්ග හා පාලම් ඉදිකිරීම් හා නඩත්තු කිරීම් පිළිබඳ සම්මත පිරිවිතර (Standard Specification for Construction Maintenance of Roads and Bridges) වලට අනුකූලව කළ යුතු අතර ඒ සඳහා ඉදිකිරීම් අභ්‍යාස හා සංවර්ධන ආයතනයෙන් (ICTAD), SCA/5 භාවිතා කළ යුතුය.
05. ප්‍රමාණ පත්‍ර (BOQ) සකස් කිරීමේ දී අදාළ අයිතම විස්තර ඇතුළත් කළ යුතු අතර, දළ විස්තර මෙම ඒකක මිල ගණන් යටතේ දක්වා ඇත.
06. සියලුම ඉදිකිරීම් ද්‍රව්‍ය උචිත පරිදි, ශ්‍රී ලංකා ප්‍රමිති ආයතනයේ සහතිකලත් ඒවා විය යුතු අතර, එයින් බැහැරව යන්නේ නම් අදාළ ප්‍රමිතිය පිළිබඳව ඉංජිනේරුවරයා සෑහීමකට පත්විය යුතුය.
07. විශේෂිත ඒකක මිල ගණන් (SSR) (එනම් මෙහි සඳහන් නොවන වැඩ සඳහා) සකස් කිරීමේ දී අධ්‍යක්ෂ මාර්ගගේ අනුමැතිය සඳහා ඉදිරිපත් කළ යුතුය.

08. විශේෂයෙන් උපදෙස් නොමැත්තේ නම්, මීටර් කියුබ් 3.00 ට වඩා වැඩිවන වැරගැන්වූ කොන්ක්‍රීට් හා ශ්‍රේණිගත කරන ලද කොන්ක්‍රීට් අනිවාර්යයෙන්ම යාන්ත්‍රික කොන්ක්‍රීට් මිශ්‍රණයක් භාවිතා කළ යුතුය. තව ද 25 ශ්‍රේණියේ ඉහළ කොන්ක්‍රීට් සඳහා බර අනුපාතය මත ද්‍රව්‍ය මිශ්‍රණ ක්‍රමය (Weight batch mixers) භාවිතා කළ යුතුය.
09. දැනට පවතින මාර්ග සංවර්ධන කිරීමේදී වාහන ගමනාගමනය පාලනය කිරීම කොන්ත්‍රාත්කරු විසින් කළ යුතුවේ.
10. මෙහි ඇමුණුමේ සඳහන් යන්ත්‍ර මිල ගණන් සඳහා ලාභාංශ හා පොදු කාර්යය වියදම් එකතු කර නොමැත. එහි සඳහන් නොවන යන්ත්‍ර සඳහා මිල ගණන් උච්ච පළාත් යාන්ත්‍රික අධ්‍යක්ෂ වෙතින් ලබාගත හැකි අතර එසේ නොවන්නේ නම්, ප්‍රසම්පාදන කිරීයාවලිය අනුගමනය කර ලබාගත යුතුවේ.
11. ගොඩනැගිලි සඳහා වන ඒකක මිල ගණන් ගොඩනැගිලි අධ්‍යක්ෂ වෙතින් ලබාගත යුතුය.
12. විශේෂිත ඒකක මිල ගණන් (SSR) පෙර වර්ෂ වලදී භාවිතා කළ ඒවා මෙම වසර සඳහා භාවිතා කළ හැකි අතර, මෙම වර්ෂයේ මූලික මිල ගණන් අනුව සංශෝධනය කිරීමට වගබලාගත යුතුය.
13. ලබාගත හැකි ද්‍රව්‍ය (පවතින ද්‍රව්‍ය / available materials) / කර්මාන්ත කිරීමේදී ඉවත් කරන, එහෙත් නැවත භාවිතා කළ හැකි ද්‍රව්‍ය භාවිතය.
 - 13.1 කර්මාන්ත කරගෙන යෑමේ දී හමුවන භාවිතයට සුදුසු ද්‍රව්‍ය එනම් පස්, ගල්, ග්‍රැවල් හා ඉවත් කිරීමට සිදුවන එහෙත් නැවත භාවිතයට ගත හැකි ද්‍රව්‍ය නිසි පරිදි ඉංජිනේරුවරයාගේ අනුමැතියට යටත්ව භාවිතයට ගත යුතුය.
 - 13.2 පාලම් කඩා ඉවත් කිරීමේදී භාවිතයට සුදුසු ද්‍රව්‍ය ඉන්වෙන්ට්‍රි ගත කර නැවත භාවිතයට ගත හැකි වන පරිදි ආරක්ෂා කර ගබඩා කර තැබිය යුතුය.
 - 13.3 නැවත භාවිතා කරන මෙම ද්‍රව්‍ය, අයිතමයක් ඇතුළත් කිරීමේදී ද්‍රව්‍ය සඳහා වියදම ඇතුළත් නොකළ යුතුය.
14. වෙන්කල මුදල් සම්බන්ධයෙන් ගෙවීම් කිරීම (Payment under Provisional Sums)
ඇස්තමේන්තු “මුදල් වෙන්කිරීම” යනු වැඩ ප්‍රමාණය ගණනය කිරීම ඇස්තමේන්තු කරන අවස්ථාවේ දී ප්‍රමාණ කිරීමට අපහසු එහෙත් වැඩ කරගෙන යෑමේදී ප්‍රමාණ කළ හැකි වැඩ ඒකක සඳහා වෙන්කල මුදලකි.

මෙය අනුමත මිල ගණන් යටතේ වැඩ ඒකකය කිරීමේ දී සත්‍ය මිනුම් මත ගණනය කළ යුතු අතර, සත්‍ය වශයෙන් වන වියදම මත ගෙවීම් කළ යුතුය.

15. රාජ්‍ය භාගය / ද්‍රව්‍ය කැණීම් සඳහා වන බදු ගෙවීම

රජයේ ඉඩම් වලින් ද්‍රව්‍ය කැණීම් කිරීම සඳහා වන රාජ්‍ය භාගය හෝ පුද්ගලික ඉඩම් වලින්

කැණීම් කිරීම සඳහා වන බදු, ලාභාංශ හා පොදු කාර්යය වියදම් රහිතව ප්‍රතිපූර්ණය කළ හැක. මේ සඳහා අධ්‍යක්ෂවරයාගේ එකඟතාවය අවශ්‍ය වන අතර, දිස්ත්‍රික් ලේකම් විසින් අනුමත කරන ලද මුදලට වඩා වැඩි නොවිය යුතුය. පුද්ගලික ඉඩම් වලින් ද්‍රව්‍ය ලබා ගැනීම සඳහා උචිත පරිදි ප්‍රසම්පාදන ක්‍රියාවලිය අනුගමනය කළ යුතුය.

16. ඇස්තමේන්තු සකස් කිරීමට පෙර ආසන්නම ද්‍රව්‍ය ලබාගත හැකි ස්ථාන සොයා ගත යුතුය. ඒ අනුව ද්‍රව්‍ය සඳහා ප්‍රවාහන වියදම් ඇතුළත් කළ යුතු අතර, නිශ්චිත ප්‍රමාණය හා ප්‍රමිතියෙන් යුතුව ලබාගත හැකි බවට සහතික වීම ඇස්තමේන්තුව සකසන නිලධාරියාගේ වගකීම වේ.

17. ප්‍රවාහනය

- 17.1 මෙහි සඳහන් කර ඇති පරාසයන් තුළ සියළු ප්‍රවාහන මාධ්‍යය (ක්‍රමය) උපරිම දුර වනසේ “ප්‍රවාහන” ඇතුළත් කළ යුතුය.

- 17.2 ආර්ථික වශයෙන් ලාභදායී ප්‍රවාහන ක්‍රමය හැමවිටම භාවිතා කළ යුතුය.

- 17.3 කියුබික් මීටර් 200 කට වඩා වැඩි ඇස්තමේන්තු ද්‍රව්‍ය (ගල්, වැලි, පස් ආදිය) සඳහා T1-006, T1-007, T1-007A උචිත පරිදි භාවිතා කළ යුතුය.

18. පස් කැපීම (SSCM 301-303)

- 18.1 කියුබික් මීටර් 300 හෝ ඊට වැඩි ප්‍රමාණ සඳහා BO-201, BO-202 or Items Code Ew-013, Ew-014 භාවිතා කිරීම කළ යුතුය.

මේ ආකාරයෙන්ම මාර්ග සඳහා පස් කැපීමේදී කියුබික් මීටර් 300 හෝ එය ඉක්මවන ප්‍රමාණ සඳහා E1-027, E1-028 සහ E1-029 භාවිතා කළ යුතුය.

- යන්ත්‍ර පැය සඳහා ගෙවීම් කිරීම

මේ සඳහා ඉංජිනේරුවරයාගේ සෘජු අධීක්ෂණය යටතේ කරන ලද වැඩ අධ්‍යයනයකින් තීරණය කරන පරිදි, වැඩබිම් භාර කාර්මික නිලධාරීගේ සෘජු අධීක්ෂණය යටතේ, යන්ත්‍ර යෙදවිය යුතු අතර, සපයා ඇති යන්ත්‍ර වැඩ කිරීමේ සටහන් ආකෘති අනුව (PRDD) දෛනික සටහන් තබාගත යුතුය.

- 18.2 මෙම මිල ගණන් සඳහා පස් කැපීම හා පැටවීම හා මීටර් 25 ක් තුළ ඉවත් කිරීම ඇතුළත් කර ඇත. මීටර් 25 ඉක්මවා ප්‍රවාහනය කරන්නේ නම්, ඒ සඳහා වෙනම ගෙවීම් කළ යුතුය. වෙනත්

ආකාරයකින් සඳහන් නොවන්නේ නම් අත්තිවාරම් කැපීමේදී නැවත පිරවීම හා සම්පිණ්ඩනය කිරීම වෙනම සැලකිය යුතුය.

18.3 අත්තිවාරම් කැපීමේ දී අමතරව කැපීමට අවශ්‍ය ප්‍රමාණය (working space) ඉංජිනේරු විසින් තීරණය කළ යුතු අතර ඒ සඳහා වන ගෙවීම් සමාන මිල ගණන් යටතේ ගෙවිය යුතුය.

18.4 ආරක්ෂක පස් වැටි ඉදිකිරීම (Coffer Dams) සඳහා හා ජලය ඉවත් කිරීමට වෙනම අයිතමයක් ඇතුළත් කළ යුතුය. (SSCM 302(11),302(12))

18.5 සම්මත පිරිවිතර අනුවම පස් වර්ගීකරණය කළ යුතුය. (SSCM 301.2)

18.6 ආරක්ෂක පස් වැටි (Coffer Dams) ඉදිකිරීම සඳහා වෙනම අයිතමයක් ඇතුළත් කළ යුතුය. (SSCM 302(10))

i. අයිතම අංක ST1-018, ST1-019, ST1-020 පාලම් සඳහා අදාළ නොවේ. පාලම් ඉදිකිරීම සඳහා වෙනම විශේෂිත මිල ගණන් මගින් හෝ වැඩ දින (Day work) යන්ත්‍ර පැය (Machine hours) යනාදිය උචිත ක්‍රමයකින් තීරණය කළ යුතුය.

18.7 පාලම් වල අත්තිවාරම් කැපීම සඳහා E1-011 සිට E1-019 දක්වා මිල ගණන් අදාළ නොවේ. විශේෂිත මිල ගණන් (SSR) යටතේ ඉහත 18.6 පරිදි මිල තීරණය කළ යුතුය.

18.8 උපයෝගී සේවාවන් සඳහා කාණු කැපීම / ප්‍රතිස්ථාපනය කිරීම සඳහා වන පිරිවිතර (SSCM 305) අනුව කළ යුතුය.

19.0 ඉදිකිරීම් ද්‍රව්‍ය (ගල්, වැලි) (පැටවීම සහ ගොනු කිරීම ඇතුළත්ව)

19.1 වෙනත් ආකාරයෙන් සඳහන් කිරීමක් නොකරන්නේ නම් ද්‍රව්‍ය ගොනු කරන ස්ථානය සැකසීම, පැටවීම හා ගොනු කිරීම ඇතුළත්ව ඇත.

19.2 අයිතම අංක BO-301 සිට BO-313A දක්වා වන අයිතම සඳහා පුපුරණ ද්‍රව්‍ය සඳහා වන වියදම ඇතුළත්ව ඇත.

19.3 ද්‍රව්‍ය ප්‍රවාහනය සඳහා වන වියදම වෙනම ගෙවිය යුතුය.

20.0 පස් පිරවීම හා සම්පිඩනය කිරීම (SSCM 304, 400 සහ 600)

20.1 අනුමත පස් සම්මත පිරිවිතරයන්ට අදාළ වන පරිදි හොඳින් ජලය යොදා සම්පිඩනය කළ යුතුය.

20.2 සම්පිඩනය සඳහා වන අයිතමයට ජලය සඳහා වන වියදම ඇතුළත්ය.

20.3 කොන්ත්‍රාත් ආයතන වෙත ටෙන්ඩර් කර පිරිනමන කර්මාන්ත වලදී මෙම අයිතමය සඳහා වන රාජ්‍ය භාගය හෝ ඒ සමාන ගෙවීම් අයිතමයට ඇතුළත්ව ඇති ලෙස සැලකිය යුතුය.

20.4 EW1-003 සිට EW1-009 දක්වා වන අයිතම සම්පිඩනයෙන් තොර (Loose Volume) සම්පිඩනය කරන ලද ප්‍රමාණ (Compacted volume) පදනම් කර ගනිමින් ඇස්තමේන්තු සකස් කරන විට සම්පිඩනය ප්‍රතිශතය උපයෝගී කර ගනිමින් පහත සඳහන් සාධක වලින් ගුණ කිරීමෙන් ප්‍රමාණ සකසා ගත යුතුය.

සම්පිණ්ඩනය	(%) සාධකය
95% හෝ ඊට වැඩි	1.35
100% හෝ ඊට වැඩි	1.42

වෙනත් සනත්ව සඳහා වන විශේෂිත මිල ගණන් (SSR) අධ්‍යක්ෂක(මාර්ග) වෙතින් අනුමත කරවා ගත යුතුය.

20.5 i. සාමාන්‍යයෙන් ටොන් 8-10 මාර්ග තලනය භාවිතයෙන් දිනකට පස් කියුබික් මීටර 66ක් සම්පිණ්ඩනය කළ හැක.

සාමාන්‍ය පළල මීටර 1.5ට වඩා අඩු වන ලෙස තීරු ටොන් 8-10 මාර්ග තලනය තැලීමේදී දිනකට තලන පස් ප්‍රමාණය මීටර් කියුබ් 50 ලෙස සැලකිය යුතුය.

20.6 ටොන් 8-10 මාර්ග තලනය යොදා තැලිය නොහැකි ස්ථාන පමණක් ඊට වඩා කුඩා උපකරණ යොදා ගැනීමෙන් තැලීම කළ යුතුය.

21. (150 x 225mm) 6” x 9” ගල් ඇතිරීම (SSCM 804) P1-001 සිට -1-004 දක්වා වන අයිතම වල 6” x 9” ගල් සඳහා වන වියදම අඩංගුව නැත. ගල් සඳහා වෙනම ගෙවීම් කළ යුතුය.

i. 255mm ඝනකමට ගල් ඇතිරීමේදී ගල් වර්ග මීටර් එකක් සඳහා කියුබික් මීටර් 0.26 ක් අවශ්‍ය වේ.

ii. 180mm ඝනකමට ඇතිරීම සඳහා වර්ග මීටර් එකකට කියුබික් මීටර් 0.17 ක් අවශ්‍ය වේ.

iii. 255mm ඝනකමට පැතිලි ඇතිරීම සඳහා එක් වර්ග මීටරයකට කියුබික් මීටර් 0.21 ක් ලෙස සැලකිය යුතුය.

iv. 150mm ඝනකමට පැතිලි ඇතිරීම සඳහා එක් වර්ග මීටරයකට කියුබික් මීටර් 0.15 ක් ලෙස සැලකිය යුතුය.

22. ගල් සම්පිණ්ඩනය කිරීම (SSCM 403-408)

22.1 සාමාන්‍ය ආවරණය වන වර්ග ප්‍රමාණ පහත පරිදි වේ.

50mm ගල් සඳහා

i. මාර්ගයේ සම්පූර්ණ පළලම පලුදු කර හා තීරු ලෙස ගල් ඇතිරීමේදී මීටර් කියුබ් 1 කින් වර්ග මීටර් 14.5 සිට 19.7 දක්වා, මාර්ග තලයක් ආවරණය වේ.

ii. අලුතින් ගල් ඇතිරීම හා මාර්ග දාරය නිවැරදි කිරීම සඳහා මාර්ග වර්ග මීටර් 100ක් සඳහා 50mm ගල් මීටර් කියුබ් 8.5 සිට 10.0 දක්වා වන අතර, ගල් තට්ටු දෙකක් වන සම්පීණ්ඩනයට පෙර සනකම 100mm ලෙස සැලකිය යුතුයි.

22.2 අලුතින් පාදම සකස් කිරීමේදී 50mm ගල් කියුබ් 10 ක් සඳහා 19mm ගල් කියුබ් 1 ක් ලෙස සැලකිය යුතුය.

22.3 දිනකට සම්පීණ්ඩනය කළ යුතු ගල් ප්‍රමාණය පහත සඳහන් පරිදිය.

i. මාර්ග සම්පූර්ණ පළලම පලුදු කර, පලුදු මැකීම සඳහා අලුතින් ගල් මීටර් කියුබ් 12.75 ක් දිනකට තැලිය යුතුය.

ii. අලුතින් පාදම ඉදිකිරීම සඳහා අලුතින් ගල් මීටර් කියුබ් 23.5ක් දිනකට තැලිය යුතුය.

iii. තීරු හා දාර (strip and edge) සැකසීමේදී (අලුතින් පලුදු කිරීම ආදිය) දිනකට ගල් මීටර් කියුබ් 9.9 ක් තැලිය යුතුය.

22.4 ඩිසල් රෝලර්හි දිනකට ප්‍රවාහන දුරේ සාමාන්‍යය කි.මී. 20

22.5 අංක M1-001, M1-004 සිට M1-007 හා M1-013 දක්වා වන අයිතම සඳහා වැඩබිම් ඇතුළත ප්‍රවාහන වියදම ඇතුළත්ව ඇත.

22.6 පලුදු කරන ප්‍රමාණය සඳහා (මෙය තාර දැමූ කොටසම විය යුතු නොවේ) M1-002 හා M1-003 යටතේ ගෙවිය යුතු අතර, දාර නිවැරදි කිරීමට අවශ්‍ය පළල 0.3m ලෙස සැකසීම සුදුසුය.

22.7 ගල් සම්පීණ්ඩනයේදී අවශ්‍ය ජලය සඳහා වන වියදම අදාළ ඒකක මිල ගණන් වලට එකතු කර ඇත.

23. පාළම්, බෝක්කු, පැතිබැම් ආදිය (SSCM 1001-1010)

23.1 කොන්ක්‍රීට් වැඩ

i. ෂටරින් සඳහා වියදම ඇතුළත් කර නොමැති අතර ඒ සඳහා වෙනම අයිතමයක් ගෙවිය යුතුය.

ii. කොන්ක්‍රීට් මිශ්‍රණය සඳහා වන වියදම මිල ගණන් වලට අඩංගු කර ඇත.

iii. අනුමත වැලි පමණක් කොන්ක්‍රීට් සඳහා යෙදිය යුතුය.

iv. කොන්ක්‍රීට් Curing කිරීම දින 14 ක් කළ යුතු අතර, ගෝනි හෝ අනුමත ද්‍රව්‍යයක් ඒ සඳහා භාවිතා කළ යුතුය.

23.2 තිරස් දුර මීටර් 25ක් හා සිරස් උස මීටර් 1.5ක් දක්වා වන දුර ප්‍රවාහනය මිල ගණනට අඩංගුව ඇත. ඊට වඩා වැඩිවන දුර ප්‍රමාණය වෙනම ඇතුළත් කළ යුතුව ඇත.

23.3 සිමෙන්ති කි. ග්‍රෑ. 50 බැගයක පරිමාව කියුබික් මීටර් 0.035ක් වේ.

23.4 එක් එක් ශ්‍රේණියේ කොන්ක්‍රීට් හා සිමෙන්ති මිශ්‍රණ සඳහා වන ද්‍රව්‍ය ප්‍රමාණ සඳහා ඇමුණුම 1 වගුව බලන්න.

23.5 කොන්ක්‍රීට් පයිප්ප බෝක්කු (SSCM-1403)

i. දක්වා ඇති විශේෂමය කොන්ක්‍රීට් පයිප්පයේ අභ්‍යන්තර විශේෂමය වේ.

ii. ඒකක මිල ගණන් වල පයිප්පයේ, කොළර් වල මිලත්, මීටර් 25 දක්වා ප්‍රවාහනයත්, මීටර් 1.8 පහත් කිරීමත්, එළීම හා සවිකිරීමත් අඩංගුව ඇත.

24. උණු තාර මිශ්‍රණය (Hot Mix Asphalt)

24.1 උණු තාර මිශ්‍රණය (Asphalt Concrete) සඳහා මූලික මිල ගණන්, ප්‍රදේශයේ පවතින නිශ්පාදනාගාර වල පවතින මිල ගණන් අනුව තීරණය කර ඇත. (Binder Course and Wearing Course)

24.2 ඇස්තමේන්තු කාර්යයන් සඳහා Asphalt Mix හි සනත්වය පහත පරිදි වේ.

ස්වභාවය	සනත්වය
සම්පීෂ්ඨනය කර ඇති අවස්ථාව (Compacted)	2.45 mt/cu.m.
සම්පීෂ්ඨනය නොකර ඇති අවස්ථාව (Loose)	1.48 mt/cu.m.

නමුත් නියම ගෙවීම් සඳහා (Design Density) ගණනය කරන ලද සණත්වය භාවිතා කළ යුතුය.

25. වැඩවල ප්‍රමිති පාලනය කිරීම (SSCM 1600)

සියලුම ගෙවීම් කිරීම නිර්දේශ කිරීමට පෙර, තත්ව පාලන පරීක්ෂණ සිදුකිරීම හා වාර්තා තබා ගැනීම ඉංජිනේරුගේ / නිර්දේශ කරන නිලධාරියාගේ වගකීම වේ.

• ඇමුණුම අංක 2 හි සම්මත පිරිවිතරයන්හි සඳහන් ඉතා ප්‍රයෝජනවත් දත්ත සපයා ඇත.

- ඇමුණුම අංක 3- ප්‍රවාහන දුර වියදම සඳහන්ව ඇත.

26. සියළුම පැහැදිලි කර ගැනීම්, විමසීම් සඳහා පළාත් මාර්ග සංවර්ධන දෙපාර්තමේන්තුවේ සැලසුම් අංශය අමතන්න. දුරකථන : 055 - 2232305 , 055 – 2229626, 055 - 2224776 (ෆැක්ස්).

Basic Rates

FIXED RATES FOR HSR - 2026 FIRST REVISED

LABOUR RATES (BASIC)

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 001	SKILLED A - (SK 'A')	DAY (8 HRS)	3,750.00
BO - 002	SKILLED B - (SK 'B')	DAY (8 HRS)	3,500.00
BO - 003	SEMI SKILLED - (S/SK)	DAY (8 HRS)	2,800.00
BO - 004	UNSKILLED - (U/SK)	DAY (8 HRS)	2,600.00
BO - 005	TEMPARARY SUPERVISOR	DAY (8 HRS)	3,000.00
BO - 006	TEMP. DRAUGHTSMAN / TEMP. TECHNICAL OFFICER	DAY (8 HRS)	4,000.00

HIRE CHARGES (WET LEASE BASIS - INCLUDING OPERATOR)

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 102	CONCRETE / ASPHALT MIXER (400 LTRS)	DAY (8 HRS)	7,500.00
BO - 103	CONCRETE / PREMIX MIXER (400 LTRS) With Hoist	DAY (8 HRS)	8,000.00
BO - 104	WATER TANK + 50MM. PUMP* -2000L	DAY (8 HRS)	3,500.00
BO - 105	WELDING PLANT WITHOUT GENERATOR	DAY (8 HRS)	4,500.00
BO - 106	PORKER VIBRATOR WITH OPERATOR	DAY (8 HRS)	4,000.00
BO - 107	PLATE COMPACTOR (90 KG) LESS OPERATOR	DAY (8 HRS)	3,800.00
BO - 108	VIBRATING RAMMER (60KG) LESS OPERATOR	DAY (8 HRS)	5,000.00
BO - 109	VIBRATING ROLLER (1/2 - 1 Ton)LESS OPERATOR	DAY (8 HRS)	7,000.00
BO - 110	VIBRATING ROLLER (SMOOTH - 10 Tons)WITH OPERATER	DAY (8 HRS)	64,000.00
BO - 111	SMOOTH /ROAD ROLLER (8-10 TONS : STATIC)WITH OPERATER	DAY (8 HRS)	30,000.00
BO - 112	PNEUMATIC ROAD ROLLER (8-10 TONS)WITH OPERATER	HOURL	7,500.00
BO - 113	MOTOR GRADER (65 HP)WITH OPERATER	DAY (8 HRS)	51,000.00
BO - 114	MOTOR GRADER (120-140 HP)	DAY (8 HRS)	64,000.00
BO - 115	BACKHOE LOADER (2 WD)	DAY (8 HRS)	31,600.00
BO - 115A	BACKHOE LOADER (4 WD)	DAY (8 HRS)	45,000.00
BO - 116	WHEEL LOADER (1.4 CUM)	DAY (8 HRS)	45,000.00
BO - 116A	WHEEL LOADER (1.7 CUM)	DAY (8 HRS)	48,000.00
BO - 117	TRACTOR & TAILOR (0.75 CUBE :)	DAY (8 HRS)	11,000.00
BO - 118	LORRY / TIPPER / DT (EXCEEDING 10 KM)	KM / CU.M	45.00
BO - 119	- DO - (FOR LESS THAN 10 KM. DISTANCES)	KM / CU.M	55.00
BO - 120	TRANSPORT OF PREMIX BY DUMP TRUCK	KM/M.TON	35.00

HIRE CHARGES (WET LEASE BASIS - INCLUDING OPERATOR)

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 122	FARM TRACTOR AND BROOM	DAY (8 HRS)	35,000.00
BO - 124	WHEEL LOADER (2.7 - 3.1 CU.M)	DAY (8 HRS)	64,000.00
BO - 124A	WHEEL LOADER (2.0 - 2.3 CU.M)	DAY (8 HRS)	55,000.00
BO - 125	LORRY 3 TON (2.5 CUM)	KM	150.00
BO - 126	LORRY 5 TON (3.5 CU.M)	KM	190.00
BO - 127	LORRY 7 TON (4.5 CU.M)	KM	200.00
BO - 128	WATER BOWSER (6000 LITRES)	DAY (8 HRS)	20,000.00
BO - 129	ASPHALT PAVER (CRAWLER)	HOURL	12,000.00
BO - 129A	ASPHALT PAVER (WHEEL)	HOURL	13,000.00
BO - 130	TANKER ONLY (20000 LITERS)	HOURL	2,000.00
BO - 131	PRIME MOVER OLD (20000 L TANKER)	HOURL	5,000.00

BO - 131A	PRIME MOVER NEW (FO 30T TRAILER)	HOUR	7,000.00
BO - 133	WATER PUMP 4" (WITH OPERATOR)	HOUR	2,000.00
BO - 133A	WATER PUMP 2" (LESS OPERATOR)	HOUR	750.00
BO - 134	SLUDGE PUMP 4" (WITH OPERATOR)	HOUR	2,000.00
BO - 135	VIBRATING ROLLER (6-7 TONS) TANDEM	HOUR	4,000.00
BO - 136	CONCRETE MIXER, WITH WEIGH BATCHER 14/10 WITH OPERATOR	DAY (8 HRS)	7,500.00
BO - 137	TROLLEY EMULSION (LESS OPERATOR)	HOUR	130.00
BO - 138	SPRAYER EMULSION HAND CART	HOUR	1,000.00
BO - 139	ROAD MARKER HAND CART GAS HEATER	HOUR	2,000.00
BO - 140	BITUMEN DISTRIBUTOR 750 LITRES	HOUR	2,000.00
BO - 141	TANK TRUCK BITUMEN 10000 LTR.	HOUR	5,000.00
BO - 142	CRUSHER STONE 40 T/H	HOUR	8,000.00
BO - 143	TRACK DRILL CRAWLER	HOUR	1,500.00
BO - 144	COMPRESSOR AIR 750 CFM (WITH ACCESSORIES)	HOUR	5,000.00
BO - 145	SLURRY SEALING MACHINE	HOUR	10,000.00
BO - 146	MOBILE CRANE (25TON)	HOUR	12,000.00
BO - 146A	MOBILE CRANE (30TON)	HOUR	15,000.00
BO - 147	ASPHALT PLANT 60T/H HOT MIX	HOUR	30,000.00
BO - 147A	ASPHALT PLANT 30T/H HOT MIX	HOUR	15,000.00
BO - 147B	COLD MIX PLANT 15T/H	HOUR	10,000.00
BO - 148	LORRY (10 TON)	KM	200.00
BO - 149	PICKUP TRUCK 2WD (WITH DRIVER)	KM	110.00
BO - 150	FARM TRACTOR WITH WATER BOWSER	HOUR	1,220.00
BO - 154	DOZER (CRAWLER TRACTOR) D4	HOUR	8,500.00

HIRE CHARGES (WET LEASE BASIS - INCLUDING OPERATOR)

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 155	EXCAVATOR MOBILE 120	HOURL	8,500.00
BO - 155 A	Excavator Crawler 120	HOURL	8,500.00
BO - 156	AIR COMPRESSOR 250CFM	HOURL	2,500.00
BO - 157	HAND HELD BREAKER (DEMOLISHER) LESS OPERATOR	DAY	4,000.00
BO - 158	LORRY / TIPPER / 1 CUBE	DAY (8 HRS)	15,000.00
BO - 159	LORRY / TIPPER / 2 CUBE	DAY (8 HRS)	20,000.00
BO - 159 A	LORRY / TIPPER / 3 CUBE	DAY (8 HRS)	21,000.00
BO - 160	HAND TRACTOR WITH OPERATOR	DAY (8 HRS)	5,000.00
BO - 161	CHAIN SAW (WITH OPERATOR AND FUEL)	DAY (8 HRS)	7,250.00
BO - 162	BOOM TRUCK 5 TONS	DAY (8 HRS)	35,000.00
BO - 163	ROCK DRILL HAND HELD (LESS DRILL STEEL)	HOURL	600.00
BO - 164	DOZER D3C	HOURL	5,480.00
BO - 165	D4H DOZER	HOURL	7,500.00
BO - 167	EXCAVATOR (CRAWLER) DC 200	HOURL	12,000.00
BO - 168	TEN WHEELER	DAY (8 HRS)	29,300.00
BO - 169	GRASS CUTTER	DAY (8 HRS)	5,000.00
BO - 170	Skid-steer loader (Block cat)	DAY (8 HRS)	25,000.00
BO - 171	Asphalt cutter	DAY (8 HRS)	25,000.00

SUPPLY OF SOIL FROM BORROW PITS INCLUDING LOADING

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 201	APPROVED SOIL TYPE I FOR BASES , SHOULDERS & EMBANKMENTS	CU.M	900.00
BO - 202	APPROVED SOIL TYPE II FOR BASES , SHOULDERS & EMBANKMENTS	CU.M	800.00

AGGREGATE & RUBBLE (EX - QUARRY - BASIC)**MANUAL PRODUCTION**

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 301	(150MM - 225MM) RUBBLE - VEHICLE MEASUREMENT, EXCLUDING PILING	CU.M	3,000.00
BO - 302	(150 MM - 225MM) RUBBLE PILED	CU.M	3,275.00
BO - 303	(100 MM) AGGREGATE	CU.M	4,240.00
BO - 304	(75 MM) AGGREGATE	CU.M	3,534.00

PLANT PRODUCTION

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 308	(19MM) AGGREGATE	CU.M	4,450.00
BO - 309	(12.5MM) AGGREGATE	CU.M	3,550.00
BO - 310	(37.5MM) AGGREGATE (S.S.C.M.T : 1701.4)	CU.M	3,800.00
BO - 311	(50 MM) AGGREGATE (S.S.C.M.T : 1701.4)	CU.M	3,200.00
BO - 312	CRUSHER FINES (6.3MM. DOWN WARDS) (CHIPS)	CU.M	3,300.00
BO - 313	(37.5MM) GRADED (TABLE 1701.5 FOR ABC)	CU.M	4,000.00
BO - 313A	QURRY DUST	CU.M	2,000.00
BO - 313B	QURRY MUCKS	CU.M	1,700.00

AGGREGATE FOR SEAL COAT TRETMENTS**(GRADING AS PER SSCM TABLE 1701-8)**

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 314	(19MM) AGGREGATE	CU.M	4,400.00
BO - 315	(12.5MM) AGGREGATE	CU.M	3,500.00
BO - 316	(37.5MM) AGGREGATE (S.S.C.M.T : 1701.4)	CU.M	3,800.00

SAND

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 331	RIVER SAND FOR ROAD SURFACE APPLICATIONS (SSCM TABLE 1701 - 9)	CU.M	4,000.00
BO - 332	RIVER SAND FOR CONCRETE AND MASONRY WORK (SSCM TABLE 1701 - 2)	CU.M	4,000.00

BITUMEN & EMULSION**(EMULSION TRANSPORT TO ADD SEPARATELY)**

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 351	BITUMEN 80/100 [180 LTR DRUMS] (EX - STOCKIST)	LITRE	275.00
BO - 351A	BITUMEN 60/70 [180 LTR DRUMS] (EX - STOCKIST)	LITRE	275.00
BO - 352	EMULSION - C.S.S. 1 (EXCLUDING TRANSP.)	LITRE	200.00
BO - 353	EMULSION - C.R.S. 1 (EXCLUDING TRANSP.)	LITRE	200.00
BO - 354	EMULSION - C.R.S. 2 (EXCLUDING TRANSP.)	LITRE	250.00
BO - 355	MC 30	LITRE	250.00

PREMIX BITUMINOUS MATERIALS (EX - PLANT)**(AGGREGATE TRANSPORT AND ROYALTY ON AGGREGATE IF ANY TO BE PAID SEPARATELY)**

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 361A	ASPHALT CONCRETE : BINDER COURSE (60/70 BITUMEN)	M.TON	22,500.00
BO - 362	ASPHALT CONCRETE : WEARING COURSE (60/70 BITUMEN)	M.TON	22,500.00
BO - 363	READY MIX CONCRETE - Grade 15	Cu.m	21,187.00
BO - 364	READY MIX CONCRETE - Grade 20	Cu.m	22,034.00
BO - 365	READY MIX CONCRETE - Grade 25	Cu.m	22,882.00
BO - 366	READY MIX CONCRETE - Grade 30	Cu.m	24,365.00
BO - 367	READY MIX CONCRETE - Grade 40	Cu.m	25,424.00

TIMBER & FIREWOOD

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 391	SAWN TIMBER CLASS 1 (LOCAL)	CU.DECT.M	200.00
BO - 392	SAWN TIMBER CLASS 2 (LOCAL)	CU.DECT.M	100.00
BO - 393	TIMBER ROUND JUNGLE - 100 MM MINIMUM AND 150 MM AVERAGE DIAMETER	METRE	100.00
BO - 394	TIMBER ROUND JUNGLE - 150MM MINIMUM AND 200 MM AVERAGE DIAMETER	METRE	120.00
BO - 395A	FIREWOOD (GRANDIS & JUNGLE FIREWOOD)	CU.M	4,000.00
BO - 395B	FIREWOOD (PHINUS & GLIRICEDIA ETC)	CU.M	4,500.00
BO - 396	PLYWOOD (WBP) FOR FORMWORK - 15 MM THICK	SQ.M	1,471.00
BO - 397A	BAMBOO TREE (LENGTH >8M GREEN COLOUR)	NO	175.00
BO - 397B	BAMBOO TREE (LENGTH >8M YELLOW COLOUR)	NO	150.00

CEMENT (EXCLUDING TRANSPORT COST)

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 401A	PORTLAND CEMENT (FOR ALL WORK) WITHOUT VAT	BAG (50.KG)	1,780.00
BO - 401B	PORTLAND CEMENT (FOR ALL WORK) WITH VAT	BAG (50.KG)	2,100.00
BO-401C	ADMIX (Rapid) (Early strength)	LITER	Deleted

STEEL AND STEEL ITEMS

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 411	MILD STEEL (6mm dia. Wire coils)	KG	263.00
BO - 411A	TOR STEEL	KG	263.00
BO - 412	MILD STEEL (10mm, 12mm, 16mm, & 20mm dia)bars	KG	263.00
BO - 431	BINDING WIRE	KG	339.00
BO - 432	WIRE NAILS, M.S. BOLTS & NUTS	KG	339.00
BO - 433	STAINLESS STEEL 20mm DIA (FOR DOWELS)	METRE	1,330.00

PRE-CAST CONCRETE ITEMS**EX - FACTORY : REINFORCED CONCRETE PIPES & COLLARS (MINIMUM PRICE EXCLUDING VAT)**

CODE	<u>DIAMETER</u> <u>LENGTH</u>				Approved Rate Rs.	
	<u>MM</u>	<u>MM</u>			PIPE	COLLAR
BO - 441	153 (6"	2438 (8"	1NO		10,116.00	1,320.00
BO - 442	229 (9"	2438 (8"	1NO		11,342.00	1,595.00
BO - 443	300 mm Hume Pipes Np2	2.44m	1NO		13,999.00	1,010.00
BO - 444	450 mm Hume Pipes Np2	2.44m	1NO		21,253.00	1,540.00
BO - 445	600 mm Hume Pipes Np2	2.44m	1NO		29,530.00	2,070.00
BO - 446	900 mm Hume Pipes Np2	1.22m	1NO		21,560.00	3,440.00
BO - 447	1200 mm Hume Pipes Np2	1.22m	1NO		32,084.00	3,960.00

PRECAST CONCRETE ITEMS

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 448	STD ROAD KERB 125 X 250 X 900 G25 CONCRETE	1 NO	2,146.00
BO - 449	PAVING SLAB 450 X 450 X 50 MM G20 WIRH R/F CONCRETE	1 NO	730.00
BO - 449A	PAVING SLAB 450 X 450 X 50 MM G20 CONCRETE	1 NO	510.00
BO - 450	BRIDGE KERB (914)	1 NO	4,496.00
BO - 451	STD. UPRIGHTS FOR BRIDGES (NEW DESIGN)	1 NO	4,905.00
BO - 452	STD. HAND RAILS FOR BRIDGES (NEW DESIGN)	1 NO	4,905.00
BO - 453	COUPLING PAIRS FOR HAND RAILS	1 NO	1,635.00
BO - 454	RAIN WATER CHANNELS (609 MM) half round	1 NO	-
BO - 455	CEMENT SAND HOLLOW BLOCK (16"x8"x4")	1 NO	80.00
BO - 456	FACIA SLAB (4"x2")	1 NO	-
BO - 457	GUARD STONES (STANDARD)	1 NO	4,800.00
BO - 458	KILOMETER POST (STANDARD)	1 NO	9,708.00
BO - 459	BOUNDARY MARKER (STANDARD)	1 NO	4,500.00
BO - 460	G25 CONCRETE PAVING BLOCK (220mm x 110mm x 80mm)	1 NO	70.00
BO - 461	G40 CONCRETE PAVING BLOCK (220mm x 110mm x 80mm)	1 NO	80.00
BO - 462	1m x 1m x 1.2m Box Culvert	1 NO	149,604.00

BLASTING MATERIALS

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 501	BLASTING POWDER	KG	1,500.00
BO - 502	FUSE WIRE	METRE	75.00
BO - 503	STEEL JUMPER	KG	150.00
BO - 504	ELECTRIC DETONATORS (9 M)	NO	630.00
BO - 505	DYNACORD	METRE	78.00
BO - 506A	GELIGNITE (DIANAMITE)	KG	1,460.00
BO - 506B	GELIGNITE (EMULSIONS)	KG	1,051.00
BO - 507	AMMONIUM NITRATE	KG	444.00
BO - 508	ORDINARY DETONATOR	NO	41.00
BO - 509	WATER GEL	KG	3,148.00
BO - 510	Chemical Powder	KG	270.00

PAINTS

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 531	BITUMINOUS EMULSION PAINT (CRS-2)	LITRE	135.00
BO - 534	GLUE	KG	741.00
BO - 537	LIME - BOILED	KG	30.00
BO - 541	ENAMEL PAINT	LITRE	2,327.00
BO - 542	PAINT - ANTI COROSIVE	LITRE	1,456.00
BO - 544	PAINT - EMULSION WHEATHER SHIELD	LITRE	980.00
BO - 545	RUST REMOVER	LITRE	2,330.00
BO - 547	ROAD MARKING PAINTS (YELLOW)	LITRE	2,400.00
BO - 548	ROAD MARKING PAINTS (WHITE)	LITRE	2,400.00
BO - 548A	THERMOPLASTIC ROAD MARKING MATERIAL 25 Kg	Bag	6,800.00
BO - 548B	GLASS BEADS 25 Kg	Bag	6,800.00

FUEL, OILS & LUBRICENTS

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 601	LANKA KEROSENE OIL	LITRE	255.00
BO - 612	AUTO DIESEL	LITRE	382.00
BO - 613	PETROL 92 Octane	LITRE	398.00
BO - 602	MOULD OIL	LITRE	225.00
BO - 611	LUBRICANT	LITRE	1,390.00

Traffic Sign Board

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 620	Traffic Sign Boards of 600mm×600 mm, 2mm thick GI sheet with mounting pole (50 mm GI pipe of 3mm thick) and other fixing accessories (Excluding Transport)	1 no	18,800.00

MISCELLANEOUS

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 631	BASKETS (GI 10")	NO	300.00
BO - 632	GUNNY BAGS NEW (LARGE)	NO	120.00
BO - 632A	POLY SACS (65 KG CAPACITY)	NO	75.00
BO - 633	COTTON WASTE	KG	65.00
BO - 634	SALT	KG	100.00
BO - 635A	EMPTY TAR BARRELS (140 LTRS)	NO	140.00
BO - 635B	EMPTY TAR BARRELS (160 LTRS)	NO	150.00
BO - 635C	EMPTY TAR BARRELS (180 LTRS)	NO	200.00
BO - 635D	EMPTY TAR BARRELS (200 LTRS)	NO	250.00
BO - 636A	P.V.C PIPE 110MM DIA TYPE 250 PE	METRE	1,735.00
BO - 636B	P.V.C PIPE 110MM DIA TYPE 250 SS	METRE	1,750.00
BO - 636C	P.V.C PIPE 50MM DIA TYPE 250 PE	METRE	355.00
BO - 637A	P.V.C PIPE 110MM DIA TYPE 600 PNT 07 PE	METRE	1,880.00
BO - 637B	P.V.C PIPE 110MM DIA TYPE 600 PNT 07 SS	METRE	1,910.00
BO - 639A	P.V.C PIPE 50MM DIA TYPE 1000 PE PNT 11	METRE	990.00
BO - 639B	P.V.C PIPE 50MM DIA TYPE 1000 SS PNT11	METRE	1,010.00
BO - 640A	P.V.C PIPE 110MM DIA TYPE 1000 PE PNT 11	METRE	2,835.00
BO - 640B	P.V.C PIPE 110MM DIA TYPE 1000 SS PNT 11	METRE	2,880.00

PRICE RATE & ALLOWANCE

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 704	BARRICADING (SMALL WORK ITEMS)	ITEM	1,000.00
BO - 705	BARRICADING, LIGHTING, SIGNALLING ETC FOR 100 M (STATIONARY OPERATIONS)	DAY	2,500.00
BO - 711	CEMENT, SAND & WATER FOR JOINTING HUME PIPES 152MM DIAMETER	JOINT	100.00
BO - 712	- DO - 229MM TO 610MM DIAMETER	JOINT	200.00
BO - 713	- DO - 915MM DIAMETER	JOINT	400.00
BO - 714	- DO - 1220MM DIAMETER	JOINT	700.00
BO - 715	COIR ROPE (FOR SCAFFOLDING 93 SQ.M AREA)	ITEM	500.00
BO - 716	COIR STRING FOR CUTTING SIDE DRAINS (PER 2.83 CU.M)	ITEM	75.00
BO - 717	- DO - FIXING SCAFFOLDING (PER 93 SQ.M)	ITEM	400.00

BO - 718	MINOR REPAIRS OF PARAPETS WITH CEMENT, SAND & WATER (PER 9.29 SQ.M)	ITEM	500.00
BO - 720	FUEL * (FOR LOOSENING ROAD SURFACE IN MANUAL BREAKING 50MM DEPTH X 307 SQ.M)*	ITEM	100.00
BO - 723	FUEL FORGE ETC. (PER 2.83 CU.M BLASTING)	ITEM	200.00

PRICE RATE & ALLOWANCE

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 732	LADDERS (PER 93 SQ.M)	ITEM	500.00
BO - 741	PAINT (FOR LETTERING & NUMBERING ITEMS)	ITEM	300.00
BO - 746	PEGS (FOR TURFING IN 19 SQ. M AREA)	ITEM	500.00
BO - 751	SAND PAPER & COTT. WASTE (PER 9.29 SQ.M)	ITEM	300.00
BO - 752	SHARP. SCARIFIER TYNES (FOR 307 SQ.M)	ITEM	100.00
BO - 761	TIMBER PLANKS & BAMBOOS (FOR 93 SQ.M)	ITEM	1,300.00
BO - 762	TIMBER POST, HORIZONTAL ETC. (FOR BARRICADING WORK 4 L.M)	ITEM	2,000.00

WATER FOR CONCRETING

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 781	ALLOW FOR WATER FOR MIXING BY MACHINE PER	CU.M	50.00
BO - 782	ALLOW FOR WATR FOR MIXING MANUALLY PER	CU.M	55.00

WATER FOR COMPACTION & GENERAL USE

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 784	ALLOW FOR WATER (GRAVEL COMPACTION) PER	CU.M	25.00
BO - 785	ALLOW FOR WATER (AGGREGATE COMPACTION) PER	CU.M	35.00
BO - 786	ALLOW FOR WATER (MOISTENING ROAD SURFACE)	ITEM	100.00
BO - 787	ALLOW FOR WATER SUPPLY (BY BUCKET & COIR ROPE)	ITEM	100.00
BO - 788	WATER FOR GENERAL PURPOSED	LITRE	25.00

WHITE WASHING FOR BARRICADING

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 791	WHITE WASHING EMPTY BARRELS (PEN. GRADE)	1 NO	200.00
BO - 792	WHITE WASHING TIMBER POSTS, HORIZONTALS, ETC. (IN 4 L.M BARRICADING)	ITEM	75.00

WELDED MESH AND GABIAN BOXES

CODE	DESCRIPTION	UNIT	Approved Rate Rs.
BO - 793A	WELDED MESH 2" X 2" 3mm BELOW 50 SHEETS	SQ.M	2,299.00
BO - 793B	WELDED MESH 2" X 2" 3mm OVER 50 SHEETS	SQ.M	1,956.00
BO - 793C	WELDED MESH 4" X 4" 6mm (≤ 100)	SQ.M	1,660.00
BO - 793D	WELDED MESH 4" X 4" 6mm (> 100)	SQ.M	1,600.00
BO - 793E	WELDED MESH 6" X 6" 6mm (≤ 100)	SQ.M	1,130.00
BO - 793F	WELDED MESH 6" X 6" 6mm (> 100)	SQ.M	1,090.00
BO - 793G	WELDED MESH 8" X 8" 6mm (≤ 100)	SQ.M	850.00
BO - 793H	WELDED MESH 8" X 8" 6mm (> 100)	SQ.M	820.00
BO - 794	POLYTHENE (1000 Guage)	KG	500.00
BO - 795	RIDGIFORM 12mm thick	SQ.M	340.00
BO - 796	GABIAN BOXES 1x1x1m (P.V.C. COATED)	Nr	9,019.00
BO - 797	GABIAN BOXES 1.5x1x1m (P.V.C. COTED)	Nr	11,424.00
BO - 797A	GABIAN BOXES 1.5x1x1m (Without P.V.C. Coted)	nr	7,740.00
BO - 798	GABIAN BOXES 2x1x1m (P.V.C. COTED)	nr	15,392.00
BO - 799	GABIAN BOXES 1x0.5x0.5m (P.V.C. COTED)	Nr	3,908.00
BO - 800	GABIAN BOXES 2x1x0.5m (P.V.C. COTED)	Nr	10,942.00
BO - 801	GABIAN BOXES 3x1x1m (P.V.C. COTED)	Nr	21,525.00
BO - 802	GABIAN BOXES 3x1x0.5m (P.V.C. COTED)	Nr	17,075.00
BO - 804	GABIAN BOXES 2.5x1x1m (P.V.C. COTED)	Nr	18,518.00
BO - 805	GABIAN BOXES 1x1x0.5m (P.V.C. COTED)	Nr	6,345.00
BO-806	GABIAN BOXES 1.5x1x0.5m (P.V.C. COTED)	Nr	7,885.00
BO - 807	GABIAN BOXES 2x1.5x1m (P.V.C. COTED)	Nr	20,442.00
BO - 808	GABIAN BOXES 1.5x1.5x1m (P.V.C. COTED)	Nr	17,000.00
BO - 809	GABIAN BOXES 4x1x1m (P.V.C. COTED)	Nr	31,825.00
BO - 810	GABIAN BOXES 3x0.5x1m (P.V.C. COTED)	Nr	16,614.00
BO - 811	GABIAN BOXES 2x0.5x1m (P.V.C. COTED)	Nr	10,647.00
BO - 812	GABIAN BOXES 1x0.5x1m (P.V.C. COTED)	Nr	6,174.00
BO - 827	GEOTEXTILE-TS 30 Nonwoven Polypropylene Geotextile	SQ.M	450.00

Rates without VAT

HIGHWAY SCHEDULE OF RATES - 2026 FIRST REVISED

PROVINCIAL ROAD DEVELOPMENT DEPARTMENT

WITHOUT VAT

SECTION 1

TRANSPORT

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
TI-001	Transport of soil 25m to 100m by any means (Inclu. Loading and unloading):		cu.m	879.50
T1-002	Transport 100m to 0.5 km by any means (excluding loading)		cu.m	528.00
T1 - 003	Transport 0.5 km to 1.0 km by any means (excluding loading)		cu.m	565.70
T1 - 003A	Transport of each subsequent 1 km from 1.0 - 8.0 km by any means : (excluding loading)		cu.m	88.00
T1 - 003B	Transport of each subsequent 1.0 km beyond 8 km. By any means (excluding loading)		cu.m	62.30
T1 - 006	Transport of material in bulk excluding loading (for distance less than or equal 3 kilo metres)		cu.m	198.00
T1 - 007	Transport of material in bulk excluding loading (from 3km up to 10 km distance) :		cu.m/km.	66.00
T1 - 007A	Transport of material in bulk excluding loading (for distance more than 10 km)		cu.m/km.	54.00
T1 - 009	Transport of premix in bulk, excluding loading other than at mixing plant		m.t./k.m	42.00
T1 - 010	Transport of barrels of bitumen for first 1.0 km of transport (excluding loading and unloading) :		nos.	82.10
T1 - 010A	Transport of barrels of bitumen for each subsequent 1.0 km, from 1.0-8.0 km. (excluding loading and unloading) :		nos.	19.40
T1 - 010B	Transport of barrels of bitumen for each subsequent 1.0 km beyond 8 km.(excluding loading and unloading)		nos.	14.00
T1 - 013	Loading barrels of bitumen inclusive of rolling upto 25m :		nos.	78.00
T1 - 014	Unloading barrels of bitumen inclusive of rolling and stacking :		nos.	23.40
TI-015	Transport of hume pipes 152mm dia.for 1st 1.0 km of transport (excluding loading and unloading) :		l.m	62.60
T1-015A	Transport of hume pipes 152mm dia. For each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading) :		l.m	16.90
T1-015B	Transport of hume pipes 152mm dia, for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading) :		l.m	11.60
T1-018	Transport of hume pipes 229 mm dia, for 1st 1.0 km of transport (excluding loading and unloading) :		l.m	70.50

SECTION 1

TRANSPORT

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
T1-018A	Transport of hume pipes 229 mm dia. For each subsequent 1.0 km, from 1.0-8.0 km of transport		l.m	19.10
T1-018B	Transport of hume pipes 229 mm dia, for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading)		l.m	13.10
T1-021	Transport of hume pipes 305 mm dia, for 1st 1.0 km of transport (excluding loading and unloading) :		l.m	93.90
T1-021A	Transport of hume pipes 305 mm dia, for each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading)		l.m	25.40
T1-021B	Transport of hume pipes 305 mm dia, for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading) :		l.m	17.50
TI-024	Transport of hume pipes 457 mm dia, for 1st 1 km from transport (excluding loading and unloading)		l.m	140.90
TI-024A	Transport of hume pipes 457 mm dia, for each subsequent 1km from 1-8 km of transport (excluding loading and unloading) :		l.m	38.10
T1-024B	Transport of hume pipes 457 mm dia, each subsequent 1.0km beyond 8 km of transport (excluding loading and unloading) :		l.m	26.20
T1-027	Transport of hume pipes 610 mm dia, for 1st 1.0 km of transport (excluding loading and unloading) :		l.m	187.90
T1-027A	Transport of hume pipes 610 mm dia, for each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading) :		l.m	50.80
T1-027B	Transport of hume pipes 610 mm dia, for each subsequent 1.0 km beyond 8km of transport (excluding loading and unloading)		l.m	34.90
T1-030	Transport of hume pipes 915 mm dia, for 1st 1.0 km of transport (excluding loading and unloading) :		l.m	281.80
T1-030A	Transport of hume pipes 915 mm dia, for each subsequent 1Km from 1-8Km of transport (excluding loading and unloading)		l.m	76.20
T1-030B	Transport of hume pipes 915 mm dia, for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading)		l.m	52.40
T1 - 033	Transport of hume pipes 1220 mm dia, for 1st 1.0 km of transport (excluding loading and unloading)		l.m	627.50
T1-033A	Transport of hume pipes 1220 mm dia, for each subsequent 1.0 km, from 1.0 - 8.0 km of transport (excluding loading and unloading)		l.m	216.40

SECTION 1

TRANSPORT

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
T1-033B	Transport of hume pipes 1220 mm dia, for each subsequent 1.0 km beyond 8.0 km of transport (excluding loading and unloading) :		l.m	155.90
T1-036	Loading and unloading 152 mm dia, 2.44 m long hume pipes :		nos.	156.00
T1 - 037	Loading and unloading 229 mm dia, 2.44 long hume pipes :		nos.	187.20
T1 - 038	Loading and unloading 305 mm dia, 2.44 m long hume pipes :		nos.	405.60
T1-039	Loading and unloading 457 mm dia 2.44 m long hume pipes:		nos.	655.20
T1 - 040	Loading and unloading 610 mm dia, 2.44 m long hume pipes :		nos.	842.40
T1 - 041	Loading and unloading 915 mm dia, 1.22 m long hume pipes :		nos.	1,560.00
T1 - 042	Loading and unloading 1220 mm dia, 1.22 m long hume pipes :		nos.	3,120.00
T1 - 043	Transport of percast kerb stones (all types) for road works, including loading and unloading :		l.m/km.	5.20
T1 - 044	Transport of precast kerbs stones for bridge works, including loading and unloading .		l.m. / k.m.	7.70
T1 - 045	Transport of percast concrete hand rails. Up - rights and joints for bridge works, including loading and unloading :		l.m. / k.m.	12.80
T1 - 046	Transport of percast concrete slabs 450x450x50 mm for foot walks, including loading and unloading :		s.q./ k.m.	15.30
T1 - 047	Transport of precast standard boundary markers including unloading only * :		no. / k.m.	7.20
T1 - 049	Transport of gabion mesh 4x1x1 m size		k.m.	4.00

SECTION 11

ROADWAY AND FOUNDATION / TRENCH EXCAVATION

(INCLUDING LOADING, UNLOADING AND TRANSPORTING WITHIN 25 METERS DISTANCE UNLESS OTHERWISE SPECIFIED)

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
E1 - 001	Excavation in loose soil (dry)	301.2(e)/301(11)	cu.m	1,172.00
E1 - 002	Excavation in loose soil (wet) in slips :	301.2 (g) / 301(15)	cu.m	1,454.50
E1 - 003	Excavation in ordinary soil (cutting measurment)	301.2(e)/301(11)	cu.m	1,737.00
E1 - 004	Excavation in ordinary soil (vehicle measurement)	301.2(e)/301(11)	cu.m	1,563.30
E1 - 005	Excavation in medium soil (cutting measurement)	301.2(e)/301(11)	cu.m	2,302.00
E1 - 006	Excavation in medium soil (vehicle measurement)	301.2(e)/301(11)	cu.m	1,956.70
E1 - 007	Excavation in hard soil (cutting measurement)	301.2(e)/301(11)	cu.m	3,432.10
E1 - 008	Excavation in hard soil (vehicle measurement)	301.2(e)/301(11)	cu.m	2,917.30
E1 - 009	Excavation in unclassified soil (cutting measurement)	301.2(e)/301(11)	cu.m	2,490.40
E1 - 010	Excavation in soft rock (cutting measurement)	301.2 (c) / 301(1)	cu.m	3,714.60
E1 - 010 A	Excavation in mud/marshy material (cutting measurement)	301.2 (e) / 301(14)	cu.m	2,867.10
E1 - 011	Excavation pit / trench for foundation in ordinary soil not exceeding 1.5m. Deep, including leveling and ramming bottom, excavated material deposited at site with in 25 m or as directed. * (shoring, dewatering if necessary shall be paid separately) :	302.2/302(5)	cu.m	2,302.00
E1 - 012	Ditto - medium soil - do -	302.2/302(5)	cu.m	2,867.10
E1 - 013	Ditto - hard soil, - do -	302.2/302(5)	cu.m	3,997.10
E1 - 014	Ditto - in unclassified soil, - do -	302.2/302(5)	cu.m	3,055.40
E1 - 015	Ditto - mud / marshy material, - do -	302.2/302(5)	cu.m	3,432.10
E1 - 019	Excavating soft rock, not exceeding 1.5m depth	302.2/302(2)	cu.m	4,562.10
E1 - 021	Piling available soil :		cu.m	282.50
E1 - 022	Loading available soil to a tractor or : equivalent		cu.m	372.90
E1 - 023	Excavating rock, requiring blasting, for roadway and at quarry for boulders (excluding dozing away)	302.2/302(4)	cu.m	1,445.00

SECTION II
ROADWAY AND FOUNDATION / TRENCH EXCAVATION

(INCLUDING LOADING, UNLOADING AND TRANSPORTING WITHIN 25 METERS DISTANCE UNLESS OTHERWISE SPECIFIED)

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
E1 - 024	Boulders sledging, piling, etc..		cu.m	5,519.80
E1 - 025	Rock requiring blasting :	301.2(b)/301 (8)	cu.m	5,098.90
E1 - 026	Rock requiring blasting sledging & piling :	301.2(b)/301 (8)	cu.m	6,641.90
E1 - 026B	Rock requiring blasting sledging & piling (Using Chemical)	301.2(b)/301 (8)	cu.m	11,135.20
E1 - 027	Roadway excavation in unclassified soil using machinery excluding loading and piling.(cutting measurement)	301.2(e)/301 (11)	cu.m	385.70
E1 - 028	Loading material by machinery in roadway excavations (cutting measurement)		cu.m	334.80
E1 - 029	Trimming / cambering by motor grader (cutting measurement)		cu.m	73.30
E1 - 029A	Trimming/cabering by motor grader (cutting measurement)		sq.m	14.70
E1 - 029B	Trimming/cabering by motor grader & compaction (cutting measurement)(assume width=6m)		sq.m	23.70

SECTION III
AGGREGATE / RUBBLE PILING INCLUDING LOADING & UNLOADING

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
A1 - 001	Sledging available rock 150 - 225mm rubble including piling & loading :		cu.m	4,433.20
A1 - 002	Supplying 150 - 225 mm rubble including loading and unloading		cu.m	4,208.50
A1 - 003	Supplying 100 mm aggregate including loading,unloading and pilling :		cu.m	5,392.20
A1 - 004	Supplying and pilling 75mm aggregate including loading and unloading		cu.m	4,545.00
A1 - 009	Supplying 50 mm aggregate, single size crusher production including loading,unloading and pilling	403,403(2), TABLE1701-4	cu.m	4,144.20
A1 - 010	Supplying 37.5 mm aggregate, single size crusher production including loading,unloading and pilling	403,403(2), TABLE1701-4	cu.m	4,864.20
A1 - 011	Supplying 19 mm aggregate, single size crusher production including loading,unloading and pilling	403,403(2), TABLE1701-4	cu.m	5,644.20
A1 - 012	Supplying,12.5 mm aggregate, single size crusher production including loading,unloading and pilling	403,403(2), TABLE1701-4	cu.m	4,564.20
A1 - 013	Supplying, Aggregate 37.5 mm, down graded including piling & loading and unloading (abc)	TABLE 1701.5	cu.m	5,104.20
A1 - 014	Crusher fines 6.3 mm down, including piling and loading and unloading for 1.0 cu.m		CU.M	4,264.20
A1 - 015	Aggregate 19 mm for seal coat treatments as per sscm table 1701 - 8, including pilling , loading and unloading		CU.M	5,644.20
A1 - 016	Aggregate 12.5 mm for seal coat treatments as per sscm table 1701 - 8, pilling loading and unloading		CU.M	4,564.20
A1 - 017	Blended aggregate for rectification overlay, with 37.5 mm single size aggregate and 19 mm & 12.5 mm crushed aggregate mixed in the volume ratio of 7:2:1 including mixing and loading. (piling to pay separately) :		Cu.m	5,217.10
A1 - 018	Piling available aggregate :		cu.m	304.20
A1 - 019	Piling available rubble :		cu.m	608.50
A1 - 020	Loading available aggregate / rubble :		cu.m	565.00

SECTION IV

APPROVED EARTH FILLING & COMPACTION

NOTE

rates for borrow earth supply given under item codes ew1 - 001 & ew1 - 011 in this shedule is based on manual excavation and intended for small works involving less than 300 cu.m. in the case of borrow earth supply exceeds 300 cu.m (for the whole project), rates based on machine excavation as per bo- 201, bo-202, ew1 - 013 or ew1 - 014 shall be adopted, for any deviations the procedure given in " general notes " section ii, clause 1, shall be followed

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
EW1 - 001	Approved soil (type 1 & 11 materials) excavation for bases & shoulder construction including loading and piling. (loose volume) :	401/401(1)	cu.m	3,311.80
EW1 - 002	Spreading piled approved soil (loose volume) :		cu.m	388.70
EW1 - 003	Approved soil spread & rolled including roller hire charges, fuel & watering (loose volume) * see general notes section iv.5 for rate on compacted volume.	401/401(1)	cu.m	927.60
EW1 - 003A	Approved soil spread & rolled using machinery including motor grader & roller hire charges, fuel & watering (loose volume) * see general notes section iv.5 for rate on compacted volume.	401/401(1)	cu.m	510.00
EW1 - 004	Approved soil spread & rolled in strips where average width is less than 1.2 metres for road widening, including roller hire charges, fuel & watering (loose volume) * : * see general notes section iv.5 for rate on compacted volume. Assuming 50 cu.m copaction per day		cu.m	1,182.00
EW1 - 006	Approved soil spread and 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) :	304/304(1)	cu.m	825.40
EW1 - 007	Approved soil spread and compacted in 150 to 225mm thick layers using machine rammer at narrow places (loose volume)	304/304(1)	cu.m	949.70
EW1 - 008	Spreading, leveling and compacting manually using standard cast iron stamper or equivalent and filling in 150 - 225 mm thick layers (loose volume) :	304/304(1)	cu.m	1,271.30
EW1 - 009	Trimming, leveling and compaction of original ground / subgrade to 100% std. Density. :	304.4(b)(Vii), 304(3)	sq.m	176.30
EW1 - 010	Trimming, leveling and compaction of original ground / subgrade to 95% std. Density.	304.4(b)(Vii),30 4(3),304.3©	sq.m	160.30
EW1 - 011	Approved soil excavation for embankment filling including loading and piling (loose volume)	304.2,304.3,30 4(1),304(2)	cu.m	2,351.30
EW1 - 013	Approved soil excavation using machinery for Base & Shoulder construction including loading and piling, (loose volume)	601.1 TO 601.4,601(2)	cu.m	1,362.50
EW1 - 014	Approved soil excavation using machinery for embankment filling including loading & piling (loose volume)	601.1 TO 601.4,601(2)	cu.m	1,242.50
EW1 - 015	Grading and spreading by motor grader		cu.m	274.30

SECTION V

RUBBLE PITCHING / PAVING (RUBBLE TO BE PAID SEPARATELY)

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	Rate
P1 - 001	Pitched paving 225 mm thick :		sq.m	741.40
P1 - 002	Pitched paving 150 mm thick :		sq.m	556.10
P1 - 003	Flat paving 225 mm thick :		sq.m	493.10
P1 - 004	Flat paving 150 mm thick :		sq.m	370.70

SECTION VI
AGGREGATE SPREADING & COMPACTION

COST OF WATERING TO BE DEDUCTED FROM RATE, IF NOT CARRIED OUT UNDER THE RELEVANT ITEMS.

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
M1 - 001	Spreading, watering & rolling 100 mm aggregate including hire charges of roller, (loose volume) :	403(3),403.1-403.3	cu.m	2,200.90
M1 - 002	Breaking road surface to 50 mm depth by hand, screen & replace old aggregate :		sq.m	207.50
M1 - 003	Scarifying road surface to 50 mm depth by roller, screen, & replace old aggregate :		sq.m	190.40
M1 - 004	Spreading & compacting 50-19 mm new or 37.5 - 12.5 mm aggregate by roller including watering hire, etc. (loose volume) :	403.1- 403.3	cu.m	3,225.30
M1 - 005	Breaking 50 mm additional depth by hand screening & replacing old aggregate :		sq.m	124.00
M1 - 006	Scarifying 50mm additional depth with roller, screening & replacing old aggregate		sq.m	159.10
M1 - 007	Spreading watering & compacting 50-19mm or 37.5-12.5mm aggregate in edge correction using roller including hire, etc. (loose volume)	1103.3,1103(5)	cu.m	4,434.50
M1 - 008	Spreading watering & compacting 50-19mm or 37.5 - 12.5 mm aggregate in Strip correction using roller including hire, etc (loose volume)	1103.3,1103(5)	cu.m	3,508.10
M1 - 009	Spreading & compacting 50-19 mm or 37.5 - 12.5mm aggregate by 8-10 ton roller after applying tack coat in overlay. (loose volume) tack coat paid separately	404.1	cu.m	3,116.40
M1 - 010	Water bound macadam spreading watering and compacting 50-25mm 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	10,842.90
M1 - 011	Dry bound macadam spreading watering and compacting 50 - 25 mm aggregate and filling the voids to refusal with crusher fines by rolling with vibrating roller to form a dry bound macadam base excluding transport for aggregates and fines (loose volume)		CU.M	10,331.20
M1 - 012 A	Dense graded aggregate base (aggregate base course),supplying,spreading watering and 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)	405,405(1)	cu.m	5,666.40

M1 - 012B	Dense graded aggregate base (aggregate base course) spreading watering and compacting graded 37.5 mm aggregate to form a dense aggregate base using machinery including motor grader & roller hire charges. (The Cost of aggregate and transport of aggregates to be paid separately) (loose volume)	405,405(1)	Cu.m	866.40
M1 - 013	Dense graded aggregate base (aggregate base course) Suplying spreading watering and 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)	Cu.m	8,288.00
M1 - 13A	Supplying,Volume Spreading watering and compacting graded 37.5mm aggregate in strips, average width not exceeding 1.2 meters to form a dense aggregate base using machinery including motor grader & roller hire charges (transport of aggregates to be paid separately) (loose)	[SSCM 405.1]		5,796.10
M1 - 013B	Dense graded aggregate base (aggregate base course) spreading watering and 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 supling and transport of aggregates* (loose volume)	(sscm 405.1)	Cu.m	3,488.00
M1 - 13C	Volume Spreading watering and compacting graded 37.5mm aggregate in strips, average width not exceeding 1.2 meters to form a dense aggregate base using machinery including motor grader & roller hire charges (Supling and transport of aggregates to be paid separately) (loose)	[SSCM 405.1]		996.10
M1 - 13 D	Dense graded aggregate base(aggregate base course) spreading watering and compacting graded 37.5mm aggregate to form a dense aggregate base (manual spreading and compaction using 0.5-1 ton roller)(Loose volume)			2,292.90
M1 - 13 E	Dense graded aggregate base (aggregate base course) spreading, watering and compacting graded 37.5mm aggregate to form a dense aggregate base in strips,average width exceeding 1.2m not exceeding 2.0m (1.2<width<2.0) for road widening,excluding supplying and transport of aggregates*(Loose Volume)			2,782.00

SECTION VII

ROAD SURFACE TREATMENT

(TRANSPORT OF EMULSION / BITUMEN TO BE PAID SEPARATELY.)

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
S1 - 001	Bitumen surfacing first coat using 2 ltr/sq.m including blinding with sand at the rate of 125 sq.m/cu.m :	503.1-503.6,503(1)	sq.m	791.30
S1 - 001A	Bitumen surfacing first coat, using 2 ltr/sq.m, including blinding with sand @ 125 sq.m / cu.m with available bitumen	503.1-503.6,503(1)	sq.m	131.30
S1 - 002	Bitumen surfacing first coat, using 2 ltr/sq.m, including blinding with gravel where sand is not available within 16 km :	503.1-503.6,503(1)	sq.m	789.70
S1 - 002A	Bitumen surfacing first coat, using 2 ltr/sq.m, including blinding with gravel where sand is not available within 16 km with available bitumen :	503.1-503.6,503(1)	sq.m	129.70
S1 - 002B	Bitumen surfacing first coat, using 2 ltr/sq.m, including blinding with 6mm chips @ 100 sq/cum : with available bitumen	503.1-503.6,503(1)	sq.m	132.40
S1 - 002C	Bitumen surfacing first coat, using 2 ltr/sq.m, including blinding with 6mm chips @ 100sq/cum	503.1-503.6,503(1)	sq.m	792.40
S1 - 007	Bitumen surfacing subsequent coat using 0.75 ltr/sq.m including blinding with sand '@ 125 sq.m/cu.m :	503.1-503.6,503(1)	sq.m	344.70
S1 - 007A	Bitumen surfacing subsequent coat using 0.75 ltr/sq.m including blinding with sand @ 125 sq.m/cu.m with available bitumen	503.1-503.6,503(1)	sq.m	97.20
S1 - 007B	Bitumen surfacing subsequent coat using 0.75 ltr/sq.m including blinding with chips (6mm) @100 sqm/cum	503.1-503.6,503(1)	sq.m	345.90
S1 - 008	Bitumen surfacing 2nd/subsequent coat using 1.0 ltr/sq.m including blinding with sand at the rate of 125 sq.m / cu.m (new work)	503.1-503.6,503(1)	sq.m	427.20
S1 - 008A	Bitumen surfacing 2nd/subsequent coat using 1.0 ltr/sq.m including blinding with sand at the rate of 125sq.m./cu.m (new work) with available bitumen	503.1-503.6,503(1)	sq.m	97.20
S1 - 008B	Bitumen surfacing 2nd/subsequent coat using 1.0 ltr/sq.m including blinding with chips (6mm) @100 sqm/cum(new work)	503.1-503.6,503(1)	sq.m	428.40
S1 - 009	Bitumen surfacing subsequent coat using 0.75 ltr/sq.m including blinding with gravel free of clay where sand is not available within 16 km	503.1-503.6,503(1)	sq.m	343.30
S1 - 009A	Bitumen surfacing subsequent coat using 0.75 ltr/sq.m including blinding with gravel free of clay where sand is not available within 16 km with available bitumen	503.1-503.6,503(1)	sq.m	95.80
S1 - 009B	Bitumen surfacing subsequent coat using 0.75 ltr/sq.m including blinding with 6 mm chips @ 100sqm/cum with available bitumen	503.1-503.6,503(1)	sq.m	98.40

SECTION VII

ROAD SURFACE TREATMENT

(TRANSPORT OF EMULSION / BITUMEN TO BE PAID SEPARATELY.)

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
S1 - 010	Bitumen surfacing 2nd/subsequent coat using 1 ltr/sq.m including blinding with gravel free of clay where sand is not available within 16 km (new work)	503.1-503.6,503(1)	sq.m	425.80
S1 - 010A	Bitumen surfaceing 2nd/subsequent coat using 1ltr /sq.m including blinding with gravel free of clay where sand is not available within 16km (new works) with available bitumen	503.1-503.6,503(1)	sq.m	95.80
S1 - 010B	Bitumen surfaceing 2nd/subsequent coat using 1ltr /sq.m including blinding with 6mm chips @ 100sq/cum (new works)	503.1-503.6,503(1)	sq.m	428.40
S1 - 010C	Bitumen surfaceing 2nd/subsequent coat using 1ltr /sq.m including blinding with 6mm chips @ 100sq/cum & with available bitumen (new works)	503.1-503.6,503(1)	sq.m	98.40
S1 - 015	Tack coat using emulsion (CSS-1) @ the rate of 0.5 ltr/sq.m inclusive of brushing, cleaning road surface and cost of emulsion (manual) :	502,502(2)	sq.m	148.90
S1 - 015A	Tack coat using emulsion (CRS-1) @ the rate of 0.5 ltr/sq.m inclusive of brushing, cleaning road surface and cost of emulsion (manual) :	502.2, 502(2)	sq.m	148.90
S1 - 016	Tack coat using emulsion (CSS-1) @ the rate of 1 ltr/sq.m inclusive of brushing, cleaning road surface and cost of emulsion (manual) :	502,502(1)	sq.m	297.70
S1 - 017	Tack coat using emulsion (CSS-1) @ the rate of 0.75 ltr/sq.m inclusive of brushing, cleaning road surface and cost of emulsion (manual) :	502,502(2)	sq.m	208.90
S1 - 018	Tack coat with 30% cut back bitumen (80/100) using 0.5 ltr/sq.m including brushing and cleaning road surface (manual) :	502,502(2)	sq.m	221.60
S1 - 019	Tack coat with 30% cut back bitumen (80/100)using 1.0 ltr/sq.m including brushing and cleaning road surface (manual) :	502,502(1)	sq.m	443.10
S1 - 020	Tack coat with 30% cut back bitumen (80/100) using 0.75 ltr/sq.m including brushing and cleaning road surface (manual) (sscm 503.4 (d)) :	502,502(2)	sq.m	303.30
S1 - 021	Rolling over blinding material spread over subsequent bitumen surfacing using diesel roller (8 - 10 tons)		sq.m	32.30
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 :	501,501(5)	sq.m	293.20

SECTION VII
ROAD SURFACE TREATMENT

(TRANSPORT OF EMULSION / BITUMEN TO BE PAID SEPARATELY.)

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
S1 - 022A	Prime coat with MC30 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 (rate include the transport of bitumen to the site)	503 , 503(1)	sq.m	353.20
S1 - 023	Prime coat with emulsion cold bituen (css - 1) using 1 ltr/sq.m without blinding, but including of brushing, cleaning and moistening road surface :	501,501(5)(a)	sq.m	269.40
S1 - 023A	Prime coat with MC30 cut back bitumen using 1 ltr/sq.m without blinding, but including of brushing, cleaning and moistening road surface (rate include the transport of bitumen to the site)	503 , 503(2)	sq.m	329.40
S1 - 024	Prime coat with 30% cut back bitumen 80/100 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 :	501,501(5)	sq.m	412.30
S1 - 025	Prime coat with 30% cut back bitumen using 1 ltr/sq.m including without blinding with sand but inclusive of brushing, cleaning and moistening road surface :	501,501(5)(a)	sq.m	386.40
S1 - 026	Sweeping over tarred surface to arrest bleeding :		sq.m	8.80
S1 - 031	Supply lay and compact asphalt premix concrete (19mm, binder (60/70) 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.) (for other binder contents see general notes. Section vii : item 7.)	506,506(2)	m.t.	32,646.50
S1-031A	Lay and compact road surface using plantmade Asphalt premix concrete(Thickness 40mm/specific density 2.45) . (transport of aggregate* for premix and transport of premix to be paid separately.) (for other binder contents see general notes. Section vii : item 7.)	506,5069(2)	sq.m	3,199.40
S1-031B	Lay and compact road surface using plantmade Asphalt premix concrete(Thickness 50mm/specific density 2.45) . (transport of aggregate* for premix and transport of premix to be paid separately.) (for other binder contents see general notes. Section vii : item 7.)	506,5069(2)	sq.m	3,999.20
S1-031C	Lay and compact road surface using plantmade Asphalt premix concrete(Thickness 70mm/specific density 2.45) . (transport of aggregate* for premix and transport of premix to be paid separately.) (for other binder contents see general notes. Section vii : item 7.)	506,5069(2)	sq.m	5,598.90
S1 - 032	Supply lay and compact asphalt bound premix (37.5 mm, binder (60/70) 3.53% mix) - dense base bridge decking, reinstatement of trenches etc. (transport of premix to be paid separately.) (for other binder contents see general notes -section vii : item 7.)	506,506(2)	m.t.	32,646.50
S1 - 034	Supply, lay and compact asphalt concrete binder course surfacing (binder60/70)	506,506(2)	m.t.	30,229.60
S1 - 034A	Supply, lay and compact asphalt concrete wearing course surfacing (binder60/70)	506,506(2)	m.t.	30,229.60

**SECTION VIII
ROAD SURFACE MAINTENANCE**

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
MN1 - 017	50mm - 19mm aggregate roller patching :	1102(9)	Cu.m.	9,499.80
MN1 - 018	50mm - 19mm aggregate stamped patching :	1102(9)	Cu.m.	9,594.10

SECTION IX
ROAD SIDE AND DRAINAGE SYSTEM

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
DR1 - 001	Cutting new side drains in ord. Soil :	701/301A(5)	cu.m	1,573.25
DR1 - 002	Cutting new side drains in med. Soil :	701/301A(5)	cu.m	2,181.70
DR1 - 003	Cutting new side drains in hard soil :	701/301A(5)	cu.m	2,790.20
DR1 - 004	Cutting new side drains in soft rock :	701/301A(2)	cu.m	3,094.50
DR1 - 005	Cutting new side drains in unclassified soil :	701/301A(5)	cu.m	2,181.70
DR1 - 005 A	Cutting side drains of std. Dimensions in unclassified soil using machine (back hoe j.c.b.) including shaping, trimming and leveling bottom manually.	701/301A(5)	cu.m	1,004.20
DR1 - 006	Cutting new side drains in rock :	701/301A(4)	cu.m	6,118.20
DR1 - 007	Turfing (excluding royalty, transport and watering & maintenance)	802.2/802(4)	sq.m	371.40
DR1 - 008	Watering and maintaining turf for three months including transport of water	802.2/802(5)a	sq.m	477.40
DR1 - 009	Levelling & trimming earth :		sq.m	44.80
DR1 - 011	Cutting scupper drains on any soil other than rock to an average width of 0.75m with proper gradient and ave. Depth of 100mm :	1304/1304(1)a	l.m.	194.60
DR1 - 012	Cleaning and desilting of culverts :	1303.3/1303(1) a	nos.	552.80
DR1 - 013	Clearing choked culverts (with head room > 1 m **) : *		cu.m	2,302.00
DR1 - 013A	Clearing choked culverts (with head room /diameter of hume pipe > 900mm **) : *	1301/1301(1)	cu.m	2,584.60
DR1 - 013B	Clearing choked culverts (with head room / diameter of hume pipe > 600mm **) : *		cu.m	2,867.10
DR1 - 013C	Clearing choked culverts (with head room / diameter of hume pipe is less than 600 **) : *		cu.m	3,149.60
DR1 - 014	Cleaning desilting existing side drains and lead up drains to proper shape and gradient and transport of excavated materials from road side up to 100m :	1301/1301(1)	l.m.	68.10
DR1 - 015	Clearing inlets and outlets of culverts :	1301/1301(1)a	nos.	497.70

SECTION X
BRIDGES, CULVERTS & RETAINING WALLS ETC.

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
ST1 - 001	Demolishing dry coursed masonry including stacking or loading.	202.2/202(1)a	cu.m	6,867.10
ST1 - 002	Demolishing coursed masonry in cement mortar including stacking or loading	202.2/202(1)b	cu.m	7,997.20
ST1 - 003	Demolishing random rubble masonry in cement mortar including stacking or loading :	202.2/202(1)c	cu.m	3,564.00
ST1 - 004	Random rubble masonry, 150-225mm rubble in approved cement & sand mortar 1:6(excluding transport of rubble & piling) :	1006.3,1006(1)	cu.m	21,819.90
ST1 - 005	Random rubble masonry, 150-225 mm rubble in approved cement & sand mortar 1:5 (excluding transport of rubble & piling) :	1006.3,1006(1)	cu.m	22,632.90
ST1 - 006	Random rubble masonry in approved cement & sand mortar 1:6 with available rubble 150-225mm :	1006.3/ 1006(1)a	cu.m	17,863.70
ST1 - 007	Random rubble masonry in approved cement & sand mortar 1:5 with available rubble 150-225mm :	1006.3/ 1006(1)b	cu.m	18,676.70
ST1 - 008	Dry masonry with available heavy rubble or boulders	1006.3 (b) /1006(2)	cu.m	10,159.50
ST1 - 009	Dry random masonry with rubble 150-225 mm (excluding transport of rubble & piling) :	1006.3 (b) /1006(2)	cu.m	11,727.60
ST1 - 010	Dry random masonry with available rubble 150-225mm :	1006.3 (b) /1006(2)a	cu.m	8,127.60
ST1 - 011	Packing available rubble and aggregate filter layers behind masonry walls :	705.2/705(1)	cu.m	2,019.50
ST1 - 012	Clay puddled & laid behind masonry walls (excl. Transport of clay)	705.3/705(3)a	cu.m	4,089.30
ST1 - 013	Grouting coursed stone masonry joints with approved cement & sand mortar 1:3 :	804.2 (C) /804(1)a	sq.m	852.50
ST1 - 014	Grouting rubble paving with concrete class c, 1:2:4 (19 mm) (excl. Transport of aggr. For concrete & piling) :		cu.m	4,028.70
ST1 - 015	Grouting rubble paving with approved cement & sand mortar (1:3) :	804.2 (C) /804(1)b	sq.m	1,402.10
ST1 - 016	Forming weep holes in masonry construction (labour only)	706.3/706(2)	nos.	768.80
ST1 - 017	Forming weep holes using p.v.c pipes of int. Dia. Not less than 100 mm, complete with dripledge and surround finish smooth :	706.3 /706(1)	l.m.	2,643.80
ST1 - 017 A	Forming weep holes using p.v.c pipes of int. Dia. Not less than 50 mm, complete with dripledge and surround finish smooth :	706.3 /706(1)	l.m.	905.00

SECTION X
BRIDGES, CULVERTS & RETAINING WALLS ETC.

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
ST1 - 018	Shoring with 37.5 mm thick class ii timber planks up to 3m depth :		sq.m	1,614.30
ST1 - 019	Supplying & fixing class ii timber struts etc. For shoring up to 3 m depth :		cu.deci.m	144.30
ST1 - 020	Supplying and fixing class ii timber in shoring up to 3 m depth (rate per area basis).		sq.m	1,972.90
ST1 - 021	Lifting soil for every 1.5 m beyond the initial 1.5 m :		cu.m	1,130.00
ST1 - 022	Lifting rubble or concrete every 1.5 m beyond the initial 1.5m :		cu.m	3,390.10
ST1 - 023	Lifting rubble or concrete every 1.5 m beyond the initial 1.5 m :		cu.m	1,695.10
ST1 - 024	Lowering wedged stones every 1.5 m beyond the initial 1.5 m :		cu.m	2,260.10
ST1 - 025	Lowering rubble or concrete for every 1.5 m beyond the initial 1.5 m :		cu.m	1,130.00
ST1 - 026	Rendering 12.5 mm thick in cement sand mortar 1:2 mix (rough) :	1006.3/1006(3)	sq.m	1,426.20
ST1 - 027	Rendering 12.5 mm thick in cement sand mortar 1:2 mix (smooth finish) :	1006.3/1006(3)	sq.m	1,673.60
ST1 - 028	Rendering 19 mm thick in cement sand mortar 1:2 mix (rough) :	1006.3/1006(3)	sq.m	1,999.30
ST1 - 029	Rendering 19 mm thick in cement sand mortar 1:2 mix (smooth finish) :	1006.3/1006(3)	sq.m	2,247.30
ST1 - 030	Rendering 12.5 mm thick in cement sand mortar 1:3 mix (rough) :	1006.3/1006(3)	sq.m	1,349.40
ST1 - 031	Rendering 12.5 mm thick in cement sand mortar 1:3 mix (smooth finish) :	1006.3/1006(3)	sq.m	1,618.00
ST1 - 032	Rendering 19 mm thick in cement sand mortar 1:3 mix (rough) :	1006.3/1006(3)	sq.m	1,888.40
ST1 - 033	Rendering 19 mm thick in cement sand mortar 1:3 mix (smooth finish) :	1006.3/1006(3)	sq.m	2,139.40
ST1 - 034	Mixing & laying manually cement concrete 1:4:8 (50 mm) using crusher run aggregate (volume batching) (excl. Transport of aggregate & piling, including curing) :	1001.4/1001(4) a, 1001.8©	cu.m	23,065.30
ST1 - 035	Mixing & laying using concrete mixer, cement concrete 1:4:8 (50 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling, including curing)	1001.8(d),1001 (3),1001(4)b	cu.m	22,224.10

SECTION X
BRIDGES, CULVERTS & RETAINING WALLS ETC.

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
ST1 - 036	Mixing & laying manually cement concrete 1:4:8 (50 mm) with 20% plums (volume batching). Using crusher run Aggregate (excl.transport of aggregate & piling, including curing) :	1001.8(c),1001(3),1001(4)c	cu.m	22,211.70
ST1 - 037	Mixing & laying using concrete mixer, cement concrete 1:4:8 (50 mm) with 20% plums (volume batching) using crusher run aggregate (excluding transport of aggregate & piling,including curing) :	1001.8(d),1001(3)d	cu.m	20,254.40
ST1 - 038	Mixing & laying manually, cement concrete 1:3:6 (37.5 mm) with 20% plums (volume batching)using crusher run aggregate (excl. Transport of aggregate & piling,including curing) :	1001.8(c),1001(3)d	cu.m	24,145.30
ST1 - 039	Mixing & laying using concrete mixer, cement concrete 1:3:6 (37.5 mm) with 20% plums (volume bathing) using crusher run aggregate (excl. Transport of aggregate & piling ,including curing) :	1001.8(a),1001(3)d	cu.m	22,170.70
ST1 - 040	Mixing & laying manually, cement concrete 1:3:6 (37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling, including curing) :	1001.8(c),1001(3)d	cu.m	27,481.60
ST1 - 041	Mixing & laying using concrete mixer, cement concrete 1:3:6 (37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling,including curing) :	1001.8(d),1001(3)d	cu.m	25,514.90
ST1 - 042	Mixing & laying manually, cement concrete 1:3:6 (19 mm) (volume batching) using crushed aggregate (excl. Transport of aggregate & piling,including curing)	1001.8(c),1001(3)d	cu.m	27,959.00
ST1 - 043	Mixing & laying using concrete mixer, cement concrete 1:3:6 (19 mm) (volume batching) using crushed aggregate (excl. Transport of aggregate & piling,including curing)	1001.8(d),1001(3)d	cu.m	25,817.40
ST1 - 044	Mixing & laying manually cement concrete 1:2:4 (37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling ,including curing) :	1001.8(c),1001(3)d	cu.m	30,198.70
ST1 - 045	Mixing & laying using concrete mixer, cement concrete 1:2:4 (37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling,including curing) :	1001.8(d),1001(3)d	cu.m	28,786.00
ST1 - 046	Mixing & laying manually cement concrete 1:2:4 (19 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling ,including curing) :	1001.8(c),1001(3)d	cu.m	30,450.40
ST1 - 047	Mixing & laying using concrete mixer, cement concrete 1:2:4 (19 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling,including curing) :	1001.8(d),1001(3)d	cu.m	29,020.00

SECTION X
BRIDGES, CULVERTS & RETAINING WALLS ETC.

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
ST1 - 048	Mixing & laying using concrete mixer (w/batching), cement concrete for grade 25 (19 mm) using crusher run aggregate in foundation & floors (excluding transport of aggregate & piling ,including curing)	1001.8(d),1001(3)d	cu.m	30,527.80
ST1 - 048A	Readymix concrete for grade 25 (19 mm) for foundation & floors (including curing) .	1001.8(d),1001(3)d	cu.m	30,285.70
ST1 - 048B	Mixing & laying using concrete mixer (w/batching), cement concrete for grade 25 (70% 37.5+30% 19) using crusher run aggregate, in foundatio & floors (excluding transport of aggregate & piling ,including curing) :*	1001.8(d),1001(3)d	cu.m	28,419.10
ST1 - 049	Readymix concrete for grade 30 (19 mm) (including curing)	1001.8(d),1001(3)d	cu.m	32,065.30
ST1 - 049A	Mixing & laying using concrete mixer (w/batching) cement concrete grade 30(19 mm), with crusher run aggregate, (excluding transport of aggregate & piling,including curing) :*	1001.8(d),1001(3)d	cu.m	34,334.90
ST1 - 050	Readymix concrete for grade 40 (19 mm) (including curing)	1001.8(d),1001(3)d	cu.m	33,336.10
ST1 - 051	Mixing & laying cement concrete by hand :		Cu.m	9,805.40
ST1 - 054	Fabricate & lay m.s. bars as reinforcement (incl. Transport) :	1002.3/1002(1) a	kg	543.50
ST1 - 055	Fabricate & lay tor steel as reinforcement (incl. Transport) :	1002.3/1002(1) b	kg	543.50
ST1 - 056	Cutting & laying reinforcement fabric (excluding cost of reinforcement fabric) :	1002.3/1002(1) c	sq.m	437.90
ST1 - 057	Supplying & fixing 15 mm thick planks of plywood as shuttering. Including removing :	1008.1- 1008.3/1008(1)	sq.m	935.80
ST1 - 058	Supplying & fixing class ii timber bearers, joists, etc. Including dismantling in shuttering.)	1008.3(a)/1008(3)a	cu.deci.m	109.20
ST1 - 059	100 - 150 mm dia. Round jungle timer supplted & fixed as props :	1008.3(a)/1008(3)b	l.m.	186.40
ST1 - 060	150-200 mm dia, round jungle timber supplied & fixed as props. :	1008.3(a)/1008(3)c	l.m.	191.70
ST1 - 061	Formwork smooth finish with ply wood timber for bridge beams, bridge deck under sides and sides including dismantling.	1008.1- 1008.3/1008(1)	sq.m	3,837.20
ST1 - 062	Formwork smooth finish with ply wood, for bridge column shafts including dismantaling.	1008.1- 1008.3/1008	sq.m	3,761.80
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. :	1008.1- 1008.3/1008(1)	sq.m	5,096.10

SECTION X
BRIDGES, CULVERTS & RETAINING WALLS ETC.

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
ST1 - 064	Supplying & fixing 25 mm thick planks and struts of class ii timber as formwork rough finish, in Foundation etc, including removing.	1008.1- 1008.3/1008(2)	sq.m	2,316.20
ST1 - 064A	Supplying & fixing 15 mm thick plywood as formwork smooth finish, in Foundation etc, including removing.		sq.m	3,227.90
ST1 - 065	Formwork smooth finish for general purposes, using 25 mm thick planks & struts of class ii timber and round jungle timber props 100-150 mm dia., including dismantling :	1008.1- 1008.3/1008(1)	sq.m	3,192.20
ST1 - 066	Supplying Laying & jointing 152 mm dia. Concrete pipes (transport and bedding material paid separately)	707.3 (C) - 707.4/707(6) (a)	l.m.	6,759.10
ST1 - 067	Supplying Laying & jointing 229 mm dia. Concrete pipes (transport and bedding material paid separately)	707.3 (C) - 707.4/707(6)(a)	l.m.	7,529.70
ST1 - 068	Supplying Laying & jointing 305 mm dia. Concrete pipes (transport and bedding material paid separately)	707.3 (C) - 707.4/707(6) (a)	l.m.	8,762.30
ST1 - 069	Supplying Laying & jointing 457 mm dia. Concrete pipes (transport and bedding material paid separately)	707.3 (C) - 707.4/707(6) (a)	l.m.	12,503.60
ST1 - 070	Supplying Laying & jointing 610 mm dia. Concrete pipes (transport and bedding material paid separately)	707.3 (C) - 707.4/707(6) (a)	l.m.	18,228.80
ST1 - 071	Supplying Laying & jointing 915 mm dia. Concrete pipes (transport and bedding material paid separately)	707.3 (C) - 707.4/707(6) (a)	l.m.	29,119.90
ST1 - 072	Supplying Laying & jointing 1220 mm dia. Concrete pipes (transport and bedding material paid separately)		M.	42,061.20
ST1 - 073	Supplying Laying & jointing 152 mm dia. Available concrete pipes and collars :		L.m.	1,351.30
ST1 - 074	Supplying Laying & jointing 229 mm dia. Available concrete pipes with collars :		L.m.	1,428.70
ST1 - 075	Supplying Laying & jointing 305 - 450 mm dia. Available concrete pipes and collars :		L.m.	1,546.40
ST1 - 076	Supplying Laying & jointing 610 mm dia. Available concrete pipes and collars :		L.m.	3,027.20
ST1 - 077	Supplying Laying & jointing 915 mm dia. Available concrete pipes and collars :		L.m.	5,093.70

ST1 - 078	Supplying Laying & jointing 1220 mm dia. Available concrete pipes and collars :		L.m.	7,257.30
ST1 - 079	Fixing new bridge planks runners and stacking old planks (available) :		1 No.	1,834.80
ST1 - 080	Removing & re-setting old bridge planks. :		1 No.	1,146.70
ST1 - 081	Supplying & fixing new bridge planks of class I timber :		Cu.deci.m	273.40
ST1 - 082	Supplying & fixing 31 mm thick deck planks of class I timber :		Sq.m	10,911.30
ST1 - 083	Fixing new chequered or m.s. plates on timber - decked bridge :		L.m.	2,707.00
ST1 - 084	Removing & refixing chequered m.s. plates on timber - decked bridge. :		L.m.	3,609.30
ST1 - 085	Tightening bolts & nuts of chequered or m.s. plates. :		L.m.	544.40
ST1 - 086	Removing & refixing 'U' clips. :		NO.	390.50
ST1 - 087	Cleaning, wire brushing & painting steelwork, one coat enamel paint. :		Sq.m	576.30
ST1 - 088	Cleaning, wire brushing & applying tar on steelwork, one coat :		Sq.m	370.60
ST1 - 089	Cleaning, with cotton waste and painting steel work with enamel paints, 1 coat		Sq.m	387.50
ST1 - 090	Chipping to bare metal etc. & painting with anticorrosive paint, one coat :		Sq.m	1,687.50
ST1 - 091	Painting with one coat of enamel paint after clearing, derusting & application of one coat anticorrosive paint. :		Sq.m	1,287.30
ST1 - 092	Painting with two coats of enamel paint, after cleaning, derusting & application of one coat anticorrosive paint :		Sq.m	1,632.20
ST1 - 093	Oiling steel cables on suspension bridge		Sq.m	1,953.40
ST1 - 094	Cleaning booms of steel bridges including scaffolding where necessary :		L.m.	144.40

ST1 - 095	Demolishing unreinforced cement concrete including cleaning of debris in foundation and superstructure in dry condition excluding under water structures :	202.2/202(2)	cu.m	6,168.60
ST1 - 096	Demolishing reinforced concrete and debris cleared :	202.2/202(2)a	cu.m	8,819.80
ST1 - 097	Demolishing reinforced concrete in very heavy structures build up of grade 30 above concrete in work such as bridge beams & deck slabs, including collecting & removing :		Cu.m	18,823.70
ST1 - 098	Supplying & fixing m.s. dowels, spliced and dove tailed with wedge at one end, 16 mm dia. And 1 m long, boring holes to 0.3 m depth in fixing : (Without VAT)	1010(1)	nos.	1,556.50
ST1 - 098A	Fabricate & lay 12mm. Diameter 0.60m long m.s. dowels at the construction joints : (Without VAT)	1010(1)	nos.	260.90
ST1 - 099	Supplying & fixing m.s. dowels, spliced and dove tailed with wedge at one end, 20 mm dia. And 1 m long, boring holes to 0.3 m depth in fixing :	1010(1)	nos.	1,966.30
ST1 - 100	Supplying & fixing m.s. dowels, spliced and dove tailed with wedge at one end, 25 mm dia. And 1 m long, boring holes to 0.3 m depth in fixing :	1010(1)	nos.	2,661.10
ST1 - 101	Lay standard type road kerbs (125 mm wide x 900 mm long), set on 19 mm thick 1:3 cement mortar layer on 150 mm x 275 mm wide 1:2:4 (19 mm) concrete foundation with ave. 157 mm x 150 mm wide backing with excavation and shuttering. (cost of kerb stones including transport and aggregate* transport, to pay separately) :		L.m.	4,464.60
ST1 - 102	Lay standard precast bridge kerbs (type drawing no. T/b/106 - rev 1 of rda) (cost of precast kerbs including transport to be paid separately) :		L.m	1,006.50
ST1 - 103	Constructing 150 x 50 mm thick insitu lower kerb in grade 20 (14 mm) concrete for bridges : (aggregate transport to be paid separately)		L.m	506.60
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 pay separately.) :		Sq.m	3,094.20
ST1 - 105	Laying 450x450x50 mm precast concrete slabs on foot walks including ave. 40 mm thick sand bedding (cost of precast slabs and transport, to pay separately.) :		Sq.m	1,985.90

ST1 - 106	Fixing pre cast hand railing and uprights using grade 25 (19 mm) concrete including form work for pockets. (cost of the pre cast items including transport and aggregate * transport, to pay separately.) (type drawing no. T/b/102/b)		L.m.	2,722.20
ST1 - 107	Construction of r.c.c grade 25(19 mm) end pilaster, type 1. (aggr. Transport and iron piling to be paid separately) (type drawing no. T/b/106-rev 1) :		1 NO	83,761.00
ST1 - 108	Construction of r.c.c grade 25(19 mm) end pillaster, type 11. (aggr. Transport and iron piling to be paid separately) (type drawing no. T/b/106-rev 1) :		1 NO	95,076.00
ST1 - 109	Construction of r.c.c grade 25(19 mm) end pilaster, type 111. (aggr. Transport and buildup rubble foundation to be paid separately) (type drawing no. T/b/106 - rev 1) :		1 NO	53,651.00
ST1 - 110	Construction of r.c.c grade 25(19 mm) end pilaster, type iv. (aggr. Transport and iron piling to be paid separately) (type drawing no. T/b/106-rev 1) :		1 NO	57,771.00
ST1 - 111	Laying of grade 20 concrete precast pin kerbs in grade 20 (19 mm) concrete foundation as edging : (aggregate transport to be paid separately)		M.	1,464.30

SECTION X
BRIDGES, CULVERTS & RETAINING WALLS ETC.

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
ST1 - 112	Supplying and fixing 25 mm thick tongue & grooved planks with 50x50 struts of class 1 timber in panels as smooth shuttering for concrete drains :	1008(1)	sq.m	2,403.30
ST1 - 112A	Supplying and fixing 15 mm thick plywood as formwork in panels smooth shuttering for concrete drains :		sq.m	1,714.40
ST1 - 113	Supply and packing 50-200 mm dry stone lining behind abutments and wing walls : (aggregate transport to pay separately)	705.2(a)/705 (1)	cu.m	6,294.30
ST1 - 114	Laying geotextile on prepared surface supply and transport to pay separately		sq.m	121.90
ST1 - 115	Construction of gabion wall using 4x1x1m mesh on prepared ground. (supply and transport of gabion mesh to be paid separately gabion mesh must be PVC coated and mesh wire dia 2.7mm)	805, 805(1)	cu.m	11,857.70
ST1 - 116	Construction of gabion wall using 2x1x0.5 m mesh on prepared ground. (supply and transport of gabion mesh to be paid separately gabion mesh must be PVC coated and mesh wire dia 2.7mm)	805, 805(1)	cu.m	12,702.30
ST1 - 115A	Construction of gabion wall using 1x1x1m mesh on prepared ground. (supply and transport of gabion mesh to be paid separately gabion mesh must be ZINC coated and mesh wire dia 2.7mm)	805, 805(1)	cu.m	11,857.70
ST1 - 116B	Construction of gabion wall using 2x1x0.5 m mesh on prepared ground. (supply and transport of gabion mesh to be paid separately.gabion mesh must be ZINC coated and mesh wire dia 2.7mm) :	805, 805(1)	cu.m	12,702.20

SECTION XI
KILOMETER POSTS AND GUARD STONES

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
RF1 - 001	White washing, two coats to gride / guard stones :	1406.3 1406(7)	nos.	128.50
RF1 - 001A	Painting two coats to gride / guard stones with imulsion paint :	1406.3 1406(8)	nos.	484.70
RF1 - 002	White washing two coats k.m. stones inc. Numbering & tar skirting :	1406(7)	nos.	1,376.70
RF1 - 002A	Painting two coats k.m. stones with imulsion paint including numbering & tar skirting :	1406(8)	nos.	2,089.20
RF1 - 003	Painting white back ground on parapets etc. & stencillingt nos. :		nos.	548.70
RF1 - 004	Fixing guard stones in any soil :	808.3(b), 808(s)	nos.	399.80
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 :	819.1- 819.3/819(1)	nos.	11,490.90
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 :	819.1- 819.3/819(1)	nos.	7,697.60
RF1 - 007	Fixing standard type k.m. stones in any soil :	819/819(2)	nos.	2,971.60
RF1 - 008	Fixing new or refixing type guard stones in cement concrete (1:3:6 (37.5 mm) and cement 219 kg/cu.m) with min. Cover 75mm x 300mm Depth	808(s)	nos.	1,515.00
RF1 - 009	Casting standard type guard stones in concrete (1:2:4(19 mm) & cement 282.5 kg/cu.m)	808(s)	nos.	3,888.90
RF1 - 011	Casting standard boundary markers in reinforced concrete without formworks (1:2:4 (19 mm) without admixtures, including 14 days curing and loading to vehicles at yard (aggregate transport to pay separately) :		nos.	1,631.90

SECTION XII

NOTICE BOARDS & SIGN BOARDS

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
RS1 - 001	Notice & traffic sign boards etc. Fixed in concrete (1:3:6 (37.5mm) and cement 219 kg/cu.m), (excluding transport of aggregate) :		nos.	2,810.90
RS1 - 002	Cleaning & whitewashing 2 coat town name boards (inc. Tar skirt)		nos.	706.10
RS1 - 003	Cleaning, painting one coat & relettering etc. Traffic sign boards inc. Paint post in b/w		nos.	3,751.00
RS1 - 004	Cleaning and painting 1 coat on notice board		sq.m	694.80
RS1 - 005	Lettering & numbering below 50 mm		nos.	103.60
RS1 - 006	Lettering & numbering 50mm - 75 mm		nos.	124.30
RS1 - 007	Lettering & numbering 75mm - 150 mm		nos.	155.40
RS1 - 008	Lettering & numbering 150mm - 225 mm		nos.	207.20
RS1 - 009	Painting 2 coats continuous centre line, 100 mm wide with enamel paint :		l.m.	271.80
RS1 - 010	Painting 1 coat continues centre line, 100 mm wide with enamel paint (white) :		l.m.	280.30
RS1 - 011	Painting 2 coats broken centre line, 100 mm wide with enamel paint :		l.m.	249.20
RS1 - 012	Painting 1 coat broken centre line, without reflective studs), 100 mm wide, at 3 metre intervals with road marking paint (white)		l.m.	258.20
RS1 - 013	Barricading with empty (hot tar) barrels including white washing, transporting and cost of barrels :		nos.	626.70
RS1 - 014	Revetment to banks etc. With empty barrels in horizontal tiers with vertical batter (1:8), including transport of barrels :		nos.	1,193.70
RS1 - 015	Road marking continuous centre line 100 mm width, using (amended) thermoplastic paint (white), inclusive barricading. (paint material and reflective glass beads to pay separately)	810/810(2)	sq.m	485.30
RS1 - 016	Road marking, standard pedestrian crossing, using thermoplastic paint (white), inclusive barricading (paint material and reflective glass beads to pay separately)	810/810(2)	sq.m	510.80

SECTION XIII

MISCELLANEOUS

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
MS1 - 001	Preparing, stock piling premix using pen. Grade 80/100 bitumen (excl. Transport of aggregate) (site made) :		cu.m	42,113.00
MS1 - 002	Patching shallow pot holes, depth less than 20 mm 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 includes cost of bitumen and materials) (excl. Transport of aggregate & bitumen)	1102.3(a) 1102(6)	sq.m	655.30
MS1 - 009	Patching pot holes more than 75 mm deep with water bound gravel material using 50 mm or 12.5 mm single size aggregate along with useable old aggregate obtained from picking and preparation of surface inc. Laying, watering, spreading gravel of approved quality and tamping as directed. (aggregate and gravel would be paid separately) :	1102.3(c) 1102(6)	sq.m	108.90
MS1 - 018	Patch sealing with hot bitumen painting the surface by using 0.75 ltr/sq.m squeegee the bitumen and spreading the blotton material (sand) at the rate of 1 cu.m/125 sq.m (transport of bitumen paid separately) :	1104 , 1104(1)	sq.m	356.50
MS1 - 021	General upkeep of road sides including maintaining the right of way in a neat condition by trimming, weeding & clearing of the road sides, drains, drainage structures, scupper drains and cleaning minor slips :	1202.1- 1202.3/1202(1)	sq.m	54.50
MS1 - 022	Cleaning ordinary jungle including removing high growing plants and trees of girth less than 300 mm other than those designated to remain, by uprooting or by cutting and then uprooting the stumps or by cutting only as directed. :	1203.2/1203(1)	sq.m	6.70
MS1 - 023	Clearing medium 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 :	1203.2/1203(1)	sq.m	9.30
MS1 - 024	Cleaning heavy 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. :	1203.2/1203(1)	sq.m	11.90

**SECTION XIII
MISCELLANEOUS**

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
MS1 - 025	Repairs to damage of shoulders verges and embankments slopes including making good depressions, ruts, holes and erosion path with approved gravelly soil and compacting the same with roller (8-10 ton) as directed (gravelly soil be paid separately if brought from outside) :	1201.3/1201(1)	cu.m	1,222.00
MS1 - 026	Regrading and regravelling of shoulders with gravel of approved quality, duly compacted with roller (8-10 tons) as directed for repairing high sides caused by heavings deposits and construction debris, to required levels by using a grader (120 - 140 hp) (gravel to be paid for separately)) :	1201.3 (b)/1201(2),120 1(3)	cu.m	714.00
MS1 - 027	Regrading and regravelling of shoulders with gravel of approved quality, duly compacted with roller (8-10 tons) as directed for repairing high sides caused by heaving deposits and construction debris, to required levels manually (gravel (loose volume) paid separatel) :	1201.3 (b)/1201(2),120 1(3)	cu.m	1,317.00
MS1 - 029	Cutting and removing fallen trees upto 600 mm girth including cutting into required number of pieces including disposal as directed. Minimum piece shall not be less than 2.5 m in length :	201.6, 201(6)	nos.	1,399.10
MS1 - 030	Cutting and removing fallen trees 600-900 mm girth including cutting into required number of pieces including disposal as directed. Minimum piece shall not be less than 2 m :	201.6, 201(3)	nos.	1,998.80
MS1 - 031	Weeding masonry culverts small bridges and retaining walls :		nos.	464.40
MS1 - 034	Reducing high sides in ordinary soil	301.3/1201.3© /1201(4)	cu.m	1,193.60
MS1 - 035	Reducing high sides in medium soil	301.3/1201.3© /1201(4)	cu.m	1,758.70
MS1 - 036	Reducing high sides in Hard soil	301.3/1201.3© /1201(4)	cu.m	2,323.70
MS1 - 037	Reducing high sides in soft rock :	301.3/1201.3© /1201(4)	cu.m	2,888.70
MS1 - 038	Reducing high sides in rock requiring blasting :	301.3/1201.3© /1201(4)	cu.m	5,640.70
MS1 - 039	White washing 1 coat to parapets of bridges and culverts.	1403.3(e), 1403(7)	sq.m	86.00

SECTION XIII

MISCELLANEOUS

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
MS1 - 040	White washing 2 coat to parapets of bridges and culverts.	1403.3(e), 1403(7)	sq.m	145.10
MS1 - 041	White washing 1 coat to parapets of bridges and culverts after cleaning attending to minor repairs :		sq.m	159.80
MS1 - 042	White washing 2 coats to parapets of bridges and culverts after cleaning attending to minor repairs		sq.m	225.80
MS1 - 043	Painting with emulsion 1 coat to parapets of bridges and culverts, guard stones and k.m. posts after cleaning and attending to minor repairs.		sq.m	402.20
MS1 - 044	Painting with enamel 1 coat to parapets of bridges and culverts, guard stones and k.m. posts after cleaning and attending to minor repairs.		sq.m	538.70
MS1 - 045	Painting with enamel 2 coat to parapets of bridges and culverts, guard stones and k.m. posts after cleaning and attending to minor repairs.		sq.m	880.10
MS1 - 046	Painting with emulsion 2 coat to parapets of bridges and culverts, guard stones and k.m. posts after cleaning and attending to minor repairs.		sq.m	660.50
MS1 - 047	Painting 1 coat emulsion paint to parapets of bridges and culverts, guard stones and k.m. posts including preparing surface of old work. :		sq.m	337.60
MS1 - 048	Painting sub coat emulsion paint to parapets of bridges and culverts, guard stones and k.m. posts including preparing surface :		sq.m	297.10
MS1 - 049	Painting 1 coat emulsion paint to parapets of bridges and culverts, guard stones and k.m. posts including preparing surface of new work.		sq.m	309.80
MS1 - 050	Cleaning & painting 100 mm wide stripe for skirting to guard stones.		l.m.	164.70
MS1 - 051	Painting 2 coats standard pedestrian crossing for carriageway. (Using enamel paint)	810/810(2)	l.m.	4,508.80
MS1 - 052	Painting 1 coat standard pedestrian crossing for carriageway. : (Using road marking paint)	810/810(2)	l.m.	4,709.20
MS1 - 053	Erecting, barricading in jungle timber 75-100 mm dia, vertical posts at 0.9 m centres and 1.2 m above ground including white washing.		l.m.	1,062.80
MS1 - 054	Temporary scaffolding for painting or tarring bridges and for weeding on bridges or retaining wall including dismantling after work :		sq.m	250.60

SECTION XIV

SURVEYING, LEVELING AND DAYWORKS

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
SV1 - 001	Supply of unskilled labour :		day	3,120.00
SV1 - 002	Supply of semiskilled labour :		day	3,360.00
SV1 - 003	Supply of skilled 'a' grade labour :		day	4,500.00
SV1 - 004	Supply of skilled 'b' grade labour :		day	4,200.00
SV1 - 005	Clearing jungle (light) to a width of 1.22 metres for survey work :		km	11,918.00
SV1 - 006	Clearing jungle (medium) to a width of 1.22 metres for survey work :		km	15,890.70
SV1 - 007	Clearing jungle (heavy) to a width of 1.22 metres for survey work :		km	23,836.00
SV1 - 008	Supply of labour for chaining and cutting pegs and pegging :		km	3,208.70
SV1 - 009	Levelling chaining and pegging and establishing bench marks on concrete rock or pegs and checking back levels. :		km	6,417.40
SV1 - 010	Surveying including fixing pickets & taking angles :		km	6,417.40
SV1 - 011	Changing traverse lines and taking off sets		km	8,556.50

**SECTION XIV
SPECIAL RATES**

CODE	DESCRIPTION	SPEC / PAY ITEM)	UNIT	RATE
SR 08	Tack coat using hot bitumen at a rate of 0.75 ltr/sq.m inclusive of brushing cleaning road surface with available bitumen	503, 503(1)	sq.m	45.90
SR 09	Patching road with premix (loose volume) after prep. Surface with hot bitumen at 0.75 ltr/sqm as a tack coat, stamping.manually(supply of premix(loose vol.) Paid separately) with available bitumen (sscm 1102.3(b)(i)	1101,1101(1)	cu.m	10,424.20
SR 10	Patching road with premix after preparing surface with hot bitumen at 0.75 ltr/sqm at tack coat,including internal transport and stamping with machine. (supply of premix paid separately) with available bitumen:		cu.m	10,692.90
SR 11	Patching road with premix (loose volume) after prep. Surface and stamping (supply of premix (loose vol.) Paid separately) :		cu.m	9,938.20
SR 11-A	Patching road with premix (loose volume) after prep. Surface ,Including internal transport and stamping with machine(supply of premix (loose vol.) Paid separately) :		cu.m	8,780.60
SR 12	Expantion joints in concrete road surface fill with 1:3 with bitumen sand mix or fill wth approved filling material (12mm thick) full depth of concreet slab	1009,1009(1)	l.m.	427.40
SR 12A	Contraction joints in concret road surface fill with 1:3 bitumen sand mix or approved filling material. (12mm thick and 1/3 of depth of concrete slab)		l.m.	142.47
SR 12B	Construction joints using 600mm long 12mm diameter mild steel dowels. One side of the dowel should be fixed & other side shall free to move (spacing of the dowels at 300mm interval or as directed by the engineer).supplying of the dowel should be paid under the item code no.ST098A (spacing of construction joint shall be 20m. To 30m.)		l.m.	1,387.70
SR 13	Supplying and fabrication 50x50 welded mesh 3.00mm dia (guage 10)		sq.m	3,065.70
SR 14	Supplying,Laying seperating membrane of polythene seeting before laying cement concreet for road surface		sq.m	44.00
SR 15	Supplying & fixing 25mm thick plywood shuttering including removing for road surface concreting .		sq.m	343.60
SR 16	Supplying and fixing 25mm thick class ii timber with debonding material as shuttering including removing for road surface concrete .		sq.m	248.10
SR-17A	Laying 220 mm*110 mm*80 mm size (strength class-25n/mm2) inter locking concrete blocks. Rate include 50mm quarry dust layer,cost of materials,loading,unloading & testing of blocks. Cost of interlocking concrete blocks & transport of material should be added seperately.		sq.m	531.60
SR-17A1	Laying 220 mm*110 mm*80 mm size (strength class-25n/mm2) inter locking concrete blocks. Rate include 50mm quarry dust layer,cost of materials,loading,& unloading testing of blocks.		sq.m	3,891.60
SR-17B	Construction of in-situ edge restrains concrete boarder including the cost of form work ,material & labour cost.cost for the transport of material & earth excavation should be added seperately.(cross sectional area 100mm*150mm)		l.m.	731.00

Rates with VAT

Note:

These rates are suppose to be used when estimating small works which are intend to be procured by Approved Society.

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මෙම මිල ගණන් කුඩා පරිමාණයේ කර්මාන්ත, එනම් අනුමත සමිති මගින් ක්‍රියාත්මක කිරීමට බලාපොරොත්තුවන කර්මාන්ත ඇස්තමේන්තු කිරීම සඳහා උපයෝගී කර ගන්න. මෙහි සඳහන් නොවන සියළුම ඒකක මිල ගණන් සඳහා මීට ඉහත Without VAT හි සඳහන් මිල ගණන් උපයෝගී කර ගන්න.

HIGHWAY SCHEDULE OF RATES - 2026 FIRST REVISED
PROVINCIAL ROAD DEVELOPMENT DEPARTMENT
WITH VAT
SECTION X
BRIDGES, CULVERTS & RETAINING WALLS ETC.

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
ST1 - 004	Random rubble masonry, 150-225mm rubble in approved cement & sand mortar 1:6(excluding transport of rubble & piling) :	1006.3,1006(1)	cu.m	22,498.00
ST1 - 005	Random rubble masonry, 150-225 mm rubble in approved cement & sand mortar 1:5 (excluding transport of rubble & piling) :	1006.3,1006(1)	cu.m	23,447.00
ST1 - 006	Random rubble masonry in approved cement & sand mortar 1:6 with available rubble 150-225mm :	1006.3/ 1006(1)a	cu.m	18,542.00
ST1 - 007	Random rubble masonry in approved cement & sand mortar 1:5 with available rubble 150-225mm :	1006.3/ 1006(1)b	cu.m	19,490.90
ST1 - 013	Grouting coursed stone masonry joints with approved cement & sand mortar 1:3 :	804.2 (C) /804(1)a	sq.m	882.80
ST1 - 014	Grouting rubble paving with concrete class c, 1:2:4 (19 mm) (excl. Transport of aggr. For concrete & piling) :		cu.m	4,243.50
ST1 - 015	Grouting rubble paving with approved cement & sand mortar (1:3) :	804.2 (C) /804(1)b	sq.m	1,462.80
ST1 - 026	Rendering 12.5 mm thick in cement sand mortar 1:2 mix (rough) :	1006.3/1006(3)	sq.m	1,484.00
ST1 - 027	Rendering 12.5 mm thick in cement sand mortar 1:2 mix (smooth finish) :	1006.3/1006(3)	sq.m	1,746.70
ST1 - 028	Rendering 19 mm thick in cement sand mortar 1:2 mix (rough) :	1006.3/1006(3)	sq.m	2,087.60
ST1 - 029	Rendering 19 mm thick in cement sand mortar 1:2 mix (smooth finish) :	1006.3/1006(3)	sq.m	2,350.90
ST1 - 030	Rendering 12.5 mm thick in cement sand mortar 1:3 mix (rough) :	1006.3/1006(3)	sq.m	1,395.60
ST1 - 031	Rendering 12.5 mm thick in cement sand mortar 1:3 mix (smooth finish) :	1006.3/1006(3)	sq.m	1,683.30
ST1 - 032	Rendering 19 mm thick in cement sand mortar 1:3 mix (rough) :	1006.3/1006(3)	sq.m	1,961.50
ST1 - 033	Rendering 19 mm thick in cement sand mortar 1:3 mix (smooth finish) :	1006.3/1006(3)	sq.m	2,227.70
ST1 - 034	Mixing & laying manually cement concrete 1:4:8 (50 mm) using crusher run aggregate (volume batching) (excl. Transport of aggregate & piling,including curing) :	1001.4/1001(4)a , 1001.8©	cu.m	24,286.50

SECTION X

BRIDGES, CULVERTS & RETAINING WALLS ETC.

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
ST1 - 035	Mixing & laying using concrete mixer, cement concrete 1:4:8 (50 mm) (volume batching)using crusher run aggregate (excl. Transport of aggregate & piling,including curing)	1001.8(d),1001(3),1001(4)b	cu.m	23,443.80
ST1 - 036	Mixing & laying manually cement concrete 1:4:8 (50 mm) with 20% plums (volume batching). Using crusher run Aggregate (excl.transport of aggregate & piling,including curing) :	1001.8(c),1001(3),1001(4)c	cu.m	23,188.70
ST1 - 037	Mixing & laying using concrete mixer, cement concrete 1:4:8 (50 mm) with 20% plums (volume batching) using crusher run aggregate (excluding transport of aggregate & piling,including curing) :	1001.8(d),1001(3)d	cu.m	21,230.20
ST1 - 038	Mixing & laying manually, cement concrete 1:3:6 (37.5 mm) with 20% plums (volume batching)using crusher run aggregate (excl. Transport of aggregate & piling,including curing) :	1001.8(c),1001(3)d	cu.m	25,366.50
ST1 - 039	Mixing & laying using concrete mixer, cement concrete 1:3:6 (37.5 mm) with 20% plums (volume bathing) using crusher run aggregate (excl. Transport of aggregate & piling,including curing) :	1001.8(a),1001(3)d	cu.m	23,390.50
ST1 - 040	Mixing & laying manually, cement concrete 1:3:6 (37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling ,including curing) :	1001.8(c),1001(3)d	cu.m	29,164.10
ST1 - 041	Mixing & laying using concrete mixer, cement concrete 1:3:6 (37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling ,including curing)	1001.8(d),1001(3)d	cu.m	27,196.70
ST1 - 042	Mixing & laying manually, cement concrete 1:3:6 (19 mm) (volume batching) using crushed aggregate (excl. Transport of aggregate & piling,including curing)	1001.8(c),1001(3)d	cu.m	29,641.60
ST1 - 043	Mixing & laying using concrete mixer, cement concrete 1:3:6 (19 mm) (volume batching) using crushed aggregate (excl. Transport of aggregate & piling,including curing)	1001.8(d),1001(3)d	cu.m	27,499.30
ST1 - 044	Mixing & laying manually cement concrete 1:2:4 (37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling,including curing) :	1001.8(c),1001(3)d	cu.m	32,369.80

ST1 - 045	Mixing & laying using concrete mixer, cement concrete 1:2:4 (37.5 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling,including curing)	1001.8(d),1001 (3)d	cu.m	30,954.40
ST1 - 046	Mixing & laying manually cement concrete 1:2:4 (19 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling ,including curing)	1001.8(c),1001 (3)d	cu.m	32,621.40
ST1 - 047	Mixing & laying using concrete mixer, cement concrete 1:2:4 (19 mm) (volume batching) using crusher run aggregate (excl. Transport of aggregate & piling,including curing)	1001.8(d),1001 (3)d	cu.m	31,188.50
ST1 - 048	Mixing & laying using concrete mixer (w/batching), cement concrete for grade 25 (19 mm) using crusher run aggregate in foundation & floors (excluding transport of aggregate & piling ,including curing)	1001.8(d),1001 (3)d	cu.m	32,967.30
ST1 - 048A	Readymix concrete for grade 25 (19 mm) for foundation & floors (including curing)	1001.8(d),1001 (3)d	cu.m	35,228.20
ST1 - 048B	Mixing & laying using concrete mixer (w/batching), cement concrete for grade 25 (70% 37.5+30% 19) using crusher run aggregate, in foundatio & floors (excluding transport of aggregate & piling ,including curing)	1001.8(d),1001 (3)d	cu.m	30,669.40
ST1 - 049	Readymix concrete for grade 30 (19 mm) (including curing)	1001.8(d),1001 (3)d	cu.m	37,328.10
ST1 - 049A	Mixing & laying using concrete mixer (w/batching) cement concrete grade 30(19 mm) , with crusher run aggregate, (excluding transport of aggregate & piling,including curing) :*	1001.8(d),1001 (3)d	cu.m	37,452.10
ST1 - 050	Readymix concrete for grade 40 (19 mm) (including curing)	1001.8(d),1001 (3)d	cu.m	38,827.70
ST1 - 054	Fabricate & lay m.s. bars as reinforcement (incl. Transport)	1002.3/1002(1)a	kg	609.00
ST1 - 055	Fabricate & lay tor steel as reinforcement (incl. Transport)	1002.3/1002(1) b	kg	609.00
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 to 0.3 m depth in fixing : (With VAT)		nos.	1,648.00
ST1 - 098A	Fabricate & lay 12mm. Diameter 0.60m long m.s. dowels at the construction joints : (With VAT)		nos.	295.70
ST1 - 099	Supplying & fixing m.s. dowels, spliced and dove tailed with wedge at one end, 20 mm dia. And 1 m long, boring holes to 0.3 m depth in fixing .		nos.	2,110.00
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 to 0.3 m depth in fixing :		nos.	2,886.00

ST1 - 101	Lay standard type road kerbs (125 mm wide x 900 mm long), set on 19 mm thick 1:3 cement mortar layer on 150 mm x 275 mm wide 1:2:4 (19 mm) concrete foundation with ave. 157 mm x 150 mm wide backing with same concrete including shuttering. (cost of kerb stones including transport and aggregate* transport, to pay separately) :	807.3(b) 807(1)	l.m.	4,614.00
ST1 - 102	Lay standard precast bridge kerbs (type drawing no. T/b/106 - rev 1 of RDA) (cost of precast kerbs including transport to be paid separately) :	807.3(a) 807(1)	l.m	1,014.00
ST1 - 103	Constructing 150 x 50 mm thick insitu lower kerb in grade 20 (14 mm) concrete for bridges : (aggregate transport to be paid separately)		l.m	523.00
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 pay separately.) :		sq.m	3,254.00
ST1 - 105	Laying 450x450x50 mm precast concrete slabs on foot walks including ave. 40 mm thick sand bedding (cost of precast slabs and transport, to pay separately.) :		sq.m	1,995.00
ST1 - 106	Fixing pre cast hand railing and uprights using grade 25 (19 mm) concrete including form work for pockets. (cost of the pre cast items including transport and aggregate * transport, to pay separately.) (type drawing no. T/b/102/b)		l.m.	2,766.00
ST1 - 107	Construction of r.c.c grade 25(19 mm) end pilaster, type 1. (aggr. Transport and iron piling to be paid separately) (type drawing no. T/b/106-rev 1) :		Nr	91,139.00
ST1 - 108	Construction of r.c.c grade 25(19 mm) end pillaster, type 11. (aggr. Transport and iron piling to be paid separately) (type drawing no. T/b/106-rev 1) :		Nr	100,409.00
ST1 - 109	Construction of r.c.c grade 25(19 mm) end pilaster, type 111. (aggr. Transport and buildup rubble foundation to be paid separately) (type drawing no. T/b/106 - rev 1).		Nr	58,294.00
ST1 - 110	Construction of r.c.c grade 25(19 mm) end pilaster, type iv. (aggr. Transport and iron piling to be paid separately) (type drawing no. T/b/106-rev 1) .		Nr	63,024.00
ST1 - 111	Laying of grade 20 concrete precast pin kerbs in grade 20 (19 mm) concrete foundation as edging : (aggregate transport to be paid separately)		m.	1,523.50

SECTION XI

KILOMETER POSTS AND GUARD STONES

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
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	819.1-819.3/819(1)	nos.	12,039.00
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	819.1-819.3/819(1)	nos.	8,078.00
RF1 - 008	Fixing new or refixing type guard stones in cement concrete (1:3:6 (37.5 mm) and cement 219 kg/cu.m) with min. Cover 75 mm X 300MM Depth	808.3 , 808(5)	nos.	1,582.30
RF1 - 009	Casting standard type guard stones in concrete (1:2:4(19 mm) & cement 282.5 kg/cu.m)	808 , 808(5)	nos.	4,012.00
RF1 - 011	Casting standard boundary markers in reinforced concrete without formworks (1:2:4 (19 mm) with admixtures, including 14 days curing and loading to vehicles at yard (aggregate transport to pay separately) :		nos.	3,725.00

SECTION XII

NOTICE BOARDS & SIGN BOARDS

CODE	DESCRIPTION	SPEC / PAY ITEM	UNIT	RATE
RS1 - 001	Notice & traffic sign boards etc. Fixed in concrete (1:3:6 (37.5mm) and cement 219 kg/cu.m), (excluding transport of aggregate)		nos.	2,905.10

SECTION XIV

SPECIAL RATES

CODE	DESCRIPTION	SPEC / PAY ITEM)	UNIT	RATE
SR-17B	Construction of in-situ edge restrains concrete boarder including the cost of form work ,material & labour cost.cost for the transport of material & earth excavation should be added seperately.(cross sectional area 100mm*150mm)		l.m.	768.00

Transport Cost with Distance

Annexure III

Transport cost of 152 mm dia Hume Pipe

The cost includes loading, unloading and 20% profit and overhead

Distance	Distance / Km	Cost / M (Rs.cts)	Distance/Km	Cost / M (Rs.cts)
0.5 Up to	1	126.53	52	755.23
	2	143.43	53	766.83
	3	160.33	54	778.43
	4	177.23	55	790.03
	5	194.13	56	801.63
	6	211.03	57	813.23
	7	227.93	58	824.83
	8	244.83	59	836.43
	9	256.43	60	848.03
	10	268.03	61	859.63
	11	279.63	62	871.23
	12	291.23	63	882.83
	13	302.83	64	894.43
	14	314.43	65	906.03
	15	326.03	66	917.63
	16	337.63	67	929.23
	17	349.23	68	940.83
	18	360.83	69	952.43
	19	372.43	70	964.03
	20	384.03	71	975.63
	21	395.63	72	987.23
	22	407.23	73	998.83
	23	418.83	74	1,010.43
	24	430.43	75	1,022.03
	25	442.03	76	1,033.63
	26	453.63	77	1,045.23
	27	465.23	78	1,056.83
	28	476.83	79	1,068.43
	29	488.43	80	1,080.03
	30	500.03	81	1,091.63
	31	511.63	82	1,103.23
	32	523.23	83	1,114.83
	33	534.83	84	1,126.43
	34	546.43	85	1,138.03
	35	558.03	86	1,149.63
	36	569.63	87	1,161.23
	37	581.23	88	1,172.83
	38	592.83	89	1,184.43
	39	604.43	90	1,196.03
	40	616.03	91	1,207.63
	41	627.63	92	1,219.23
	42	639.23	93	1,230.83
	43	650.83	94	1,242.43
	44	662.43	95	1,254.03
	45	674.03	96	1,265.63
	46	685.63	97	1,277.23
	47	697.23	98	1,288.83
	48	708.83	99	1,300.43
	49	720.43	100	1,312.03
	50	732.03	101	1,323.63
	51	743.63	102	1,335.23

Annexure III

Transport cost of 229 mm dia Hume Pipe

The cost includes loading, unloading and 20% profit and overhead

Distance	Distance / Km	Cost / M (Rs.cts)	Distance/Km	Cost / M (Rs.cts)
0.5 Up to	1	147.22	52	857.32
	2	166.32	53	870.42
	3	185.42	54	883.52
	4	204.52	55	896.62
	5	223.62	56	909.72
	6	242.72	57	922.82
	7	261.82	58	935.92
	8	280.92	59	949.02
	9	294.02	60	962.12
	10	307.12	61	975.22
	11	320.22	62	988.32
	12	333.32	63	1,001.42
	13	346.42	64	1,014.52
	14	359.52	65	1,027.62
	15	372.62	66	1,040.72
	16	385.72	67	1,053.82
	17	398.82	68	1,066.92
	18	411.92	69	1,080.02
	19	425.02	70	1,093.12
	20	438.12	71	1,106.22
	21	451.22	72	1,119.32
	22	464.32	73	1,132.42
	23	477.42	74	1,145.52
	24	490.52	75	1,158.62
	25	503.62	76	1,171.72
	26	516.72	77	1,184.82
	27	529.82	78	1,197.92
	28	542.92	79	1,211.02
	29	556.02	80	1,224.12
	30	569.12	81	1,237.22
	31	582.22	82	1,250.32
	32	595.32	83	1,263.42
	33	608.42	84	1,276.52
	34	621.52	85	1,289.62
	35	634.62	86	1,302.72
	36	647.72	87	1,315.82
	37	660.82	88	1,328.92
	38	673.92	89	1,342.02
	39	687.02	90	1,355.12
	40	700.12	91	1,368.22
	41	713.22	92	1,381.32
	42	726.32	93	1,394.42
	43	739.42	94	1,407.52
	44	752.52	95	1,420.62
	45	765.62	96	1,433.72
	46	778.72	97	1,446.82
	47	791.82	98	1,459.92
	48	804.92	99	1,473.02
	49	818.02	100	1,486.12
	50	831.12	101	1,499.22
	51	844.22	102	1,512.32

Annexure III

Transport cost of 305 mm dia Hume Pipe

The cost includes loading, unloading and 20% profit and overhead

Distance	Distance / Km	Cost / M (Rs.cts)	Distance/Km	Cost / M (Rs.cts)
0.5 Up to	1	260.13	52	1,207.93
	2	285.53	53	1,225.43
	3	310.93	54	1,242.93
	4	336.33	55	1,260.43
	5	361.73	56	1,277.93
	6	387.13	57	1,295.43
	7	412.53	58	1,312.93
	8	437.93	59	1,330.43
	9	455.43	60	1,347.93
	10	472.93	61	1,365.43
	11	490.43	62	1,382.93
	12	507.93	63	1,400.43
	13	525.43	64	1,417.93
	14	542.93	65	1,435.43
	15	560.43	66	1,452.93
	16	577.93	67	1,470.43
	17	595.43	68	1,487.93
	18	612.93	69	1,505.43
	19	630.43	70	1,522.93
	20	647.93	71	1,540.43
	21	665.43	72	1,557.93
	22	682.93	73	1,575.43
	23	700.43	74	1,592.93
	24	717.93	75	1,610.43
	25	735.43	76	1,627.93
	26	752.93	77	1,645.43
	27	770.43	78	1,662.93
	28	787.93	79	1,680.43
	29	805.43	80	1,697.93
	30	822.93	81	1,715.43
	31	840.43	82	1,732.93
	32	857.93	83	1,750.43
	33	875.43	84	1,767.93
	34	892.93	85	1,785.43
	35	910.43	86	1,802.93
	36	927.93	87	1,820.43
	37	945.43	88	1,837.93
	38	962.93	89	1,855.43
	39	980.43	90	1,872.93
	40	997.93	91	1,890.43
	41	1015.43	92	1,907.93
	42	1032.93	93	1,925.43
	43	1050.43	94	1,942.93
	44	1067.93	95	1,960.43
	45	1085.43	96	1,977.93
	46	1102.93	97	1,995.43
	47	1120.43	98	2,012.93
	48	1137.93	99	2,030.43
	49	1155.43	100	2,047.93
	50	1172.93	101	2,065.43
	51	1190.43	102	2,082.93

Annexure III

Transport cost of 457 mm dia Hume Pipe

The cost includes loading, unloading and 20% profit and overhead

Distance	Distance / Km	Cost / M (Rs.cts)	Distance/Km	Cost / M (Rs.cts)
0.5 Up to	1	409.42	52	1,828.92
	2	447.52	53	1,855.12
	3	485.62	54	1,881.32
	4	523.72	55	1,907.52
	5	561.82	56	1,933.72
	6	599.92	57	1,959.92
	7	638.02	58	1,986.12
	8	676.12	59	2,012.32
	9	702.32	60	2,038.52
	10	728.52	61	2,064.72
	11	754.72	62	2,090.92
	12	780.92	63	2,117.12
	13	807.12	64	2,143.32
	14	833.32	65	2,169.52
	15	859.52	66	2,195.72
	16	885.72	67	2,221.92
	17	911.92	68	2,248.12
	18	938.12	69	2,274.32
	19	964.32	70	2,300.52
	20	990.52	71	2,326.72
	21	1016.72	72	2,352.92
	22	1042.92	73	2,379.12
	23	1069.12	74	2,405.32
	24	1095.32	75	2,431.52
	25	1121.52	76	2,457.72
	26	1147.72	77	2,483.92
	27	1173.92	78	2,510.12
	28	1200.12	79	2,536.32
	29	1226.32	80	2,562.52
	30	1252.52	81	2,588.72
	31	1278.72	82	2,614.92
	32	1304.92	83	2,641.12
	33	1331.12	84	2,667.32
	34	1357.32	85	2,693.52
	35	1383.52	86	2,719.72
	36	1409.72	87	2,745.92
	37	1435.92	88	2,772.12
	38	1462.12	89	2,798.32
	39	1488.32	90	2,824.52
	40	1514.52	91	2,850.72
	41	1540.72	92	2,876.92
	42	1566.92	93	2,903.12
	43	1593.12	94	2,929.32
	44	1619.32	95	2,955.52
	45	1645.52	96	2,981.72
	46	1671.72	97	3,007.92
	47	1697.92	98	3,034.12
	48	1724.12	99	3,060.32
	49	1750.32	100	3,086.52
	50	1776.52	101	3,112.72
	51	1802.72	102	3,138.92

Annexure III

Transport cost of 610 mm dia Hume Pipe

The cost includes loading, unloading and 20% profit and overhead

Distance	Distance / Km	Cost / M (Rs.cts)	Distance/Km	Cost / M (Rs.cts)
0.5 Up to	1	533.15	52	2,424.35
	2	583.95	53	2,459.25
	3	634.75	54	2,494.15
	4	685.55	55	2,529.05
	5	736.35	56	2,563.95
	6	787.15	57	2,598.85
	7	837.95	58	2,633.75
	8	888.75	59	2,668.65
	9	923.65	60	2,703.55
	10	958.55	61	2,738.45
	11	993.45	62	2,773.35
	12	1,028.35	63	2,808.25
	13	1,063.25	64	2,843.15
	14	1,098.15	65	2,878.05
	15	1,133.05	66	2,912.95
	16	1,167.95	67	2,947.85
	17	1,202.85	68	2,982.75
	18	1,237.75	69	3,017.65
	19	1,272.65	70	3,052.55
	20	1,307.55	71	3,087.45
	21	1,342.45	72	3,122.35
	22	1,377.35	73	3,157.25
	23	1,412.25	74	3,192.15
	24	1,447.15	75	3,227.05
	25	1,482.05	76	3,261.95
	26	1,516.95	77	3,296.85
	27	1,551.85	78	3,331.75
	28	1,586.75	79	3,366.65
	29	1,621.65	80	3,401.55
	30	1,656.55	81	3,436.45
	31	1,691.45	82	3,471.35
	32	1,726.35	83	3,506.25
	33	1,761.25	84	3,541.15
	34	1,796.15	85	3,576.05
	35	1,831.05	86	3,610.95
	36	1,865.95	87	3,645.85
	37	1,900.85	88	3,680.75
	38	1,935.75	89	3,715.65
	39	1,970.65	90	3,750.55
	40	2,005.55	91	3,785.45
	41	2,040.45	92	3,820.35
	42	2,075.35	93	3,855.25
	43	2,110.25	94	3,890.15
	44	2,145.15	95	3,925.05
	45	2,180.05	96	3,959.95
	46	2,214.95	97	3,994.85
	47	2,249.85	98	4,029.75
	48	2,284.75	99	4,064.65
	49	2,319.65	100	4,099.55
	50	2,354.55	101	4,134.45
	51	2,389.45	102	4,169.35

Annexure III

Transport cost of 915 mm dia Hume Pipe

The cost includes loading, unloading and 20% profit and overhead

Distance	Distance / Km	Cost / M (Rs.cts)	Distance/Km	Cost / M (Rs.cts)
0.5 Up to	1	1,560.49	52	4,399.49
	2	1,636.69	53	4,451.89
	3	1,712.89	54	4,504.29
	4	1,789.09	55	4,556.69
	5	1,865.29	56	4,609.09
	6	1,941.49	57	4,661.49
	7	2,017.69	58	4,713.89
	8	2,093.89	59	4,766.29
	9	2,146.29	60	4,818.69
	10	2,198.69	61	4,871.09
	11	2,251.09	62	4,923.49
	12	2,303.49	63	4,975.89
	13	2,355.89	64	5,028.29
	14	2,408.29	65	5,080.69
	15	2,460.69	66	5,133.09
	16	2,513.09	67	5,185.49
	17	2,565.49	68	5,237.89
	18	2,617.89	69	5,290.29
	19	2,670.29	70	5,342.69
	20	2,722.69	71	5,395.09
	21	2,775.09	72	5,447.49
	22	2,827.49	73	5,499.89
	23	2,879.89	74	5,552.29
	24	2,932.29	75	5,604.69
	25	2,984.69	76	5,657.09
	26	3,037.09	77	5,709.49
	27	3,089.49	78	5,761.89
	28	3,141.89	79	5,814.29
	29	3,194.29	80	5,866.69
	30	3,246.69	81	5,919.09
	31	3,299.09	82	5,971.49
	32	3,351.49	83	6,023.89
	33	3,403.89	84	6,076.29
	34	3,456.29	85	6,128.69
	35	3,508.69	86	6,181.09
	36	3,561.09	87	6,233.49
	37	3,613.49	88	6,285.89
	38	3,665.89	89	6,338.29
	39	3,718.29	90	6,390.69
	40	3,770.69	91	6,443.09
	41	3,823.09	92	6,495.49
	42	3,875.49	93	6,547.89
	43	3,927.89	94	6,600.29
	44	3,980.29	95	6,652.69
	45	4,032.69	96	6,705.09
	46	4,085.09	97	6,757.49
	47	4,137.49	98	6,809.89
	48	4,189.89	99	6,862.29
	49	4,242.29	100	6,914.69
	50	4,294.69	101	6,967.09
	51	4,347.09	102	7,019.49

Annexure III

Transport Cost Of Tar Barrels

The cost includes loading, unloading and 20% profit and overhead

Distance	Distance / Km	Cost / Nr (Rs.cts)	Distance/Km	Cost / Nr (Rs.cts)
0.5 Up to	1	183.50	52	935.30
	2	202.90	53	949.30
	3	222.30	54	963.30
	4	241.70	55	977.30
	5	261.10	56	991.30
	6	280.50	57	1,005.30
	7	299.90	58	1,019.30
	8	319.30	59	1,033.30
	9	333.30	60	1,047.30
	10	347.30	61	1,061.30
	11	361.30	62	1,075.30
	12	375.30	63	1,089.30
	13	389.30	64	1,103.30
	14	403.30	65	1,117.30
	15	417.30	66	1,131.30
	16	431.30	67	1,145.30
	17	445.30	68	1,159.30
	18	459.30	69	1,173.30
	19	473.30	70	1,187.30
	20	487.30	71	1,201.30
	21	501.30	72	1,215.30
	22	515.30	73	1,229.30
	23	529.30	74	1,243.30
	24	543.30	75	1,257.30
	25	557.30	76	1,271.30
	26	571.30	77	1,285.30
	27	585.30	78	1,299.30
	28	599.30	79	1,313.30
	29	613.30	80	1,327.30
	30	627.30	81	1,341.30
	31	641.30	82	1,355.30
	32	655.30	83	1,369.30
	33	669.30	84	1,383.30
	34	683.30	85	1,397.30
	35	697.30	86	1,411.30
	36	711.30	87	1,425.30
	37	725.30	88	1,439.30
	38	739.30	89	1,453.30
	39	753.30	90	1,467.30
	40	767.30	91	1,481.30
	41	781.30	92	1,495.30
	42	795.30	93	1,509.30
	43	809.30	94	1,523.30
	44	823.30	95	1,537.30
	45	837.30	96	1,551.30
	46	851.30	97	1,565.30
	47	865.30	98	1,579.30
	48	879.30	99	1,593.30
	49	893.30	100	1,607.30
	50	907.30	101	1,621.30
	51	921.30	102	1,635.30

TRANSPORT COST OF SOIL , SAND ,RUBBLE & AGREEGATE**(FOR THE QUANTITIES LESS THAN 200CUM.)**

The cost includes 20% profit and overhead & excluding the cost of loading & unloading.

Distance		Cost / Cu.m (Rs.cts)	Distance / Km	Cost / Cu.m (Rs.cts)
0.5 up to	1	565.70	52	3922.90
	2	653.70	53	3985.20
	3	741.70	54	4047.50
	4	829.70	55	4109.80
	5	917.70	56	4172.10
	6	1005.70	57	4234.40
	7	1093.70	58	4296.70
	8	1181.70	59	4359.00
	9	1244.00	60	4421.30
	10	1306.30	61	4483.60
	11	1368.60	62	4545.90
	12	1430.90	63	4608.20
	13	1493.20	64	4670.50
	14	1555.50	65	4732.80
	15	1617.80	66	4795.10
	16	1680.10	67	4857.40
	17	1742.40	68	4919.70
	18	1804.70	69	4982.00
	19	1867.00	70	5044.30
	20	1929.30	71	5106.60
	21	1991.60	72	5168.90
	22	2053.90	73	5231.20
	23	2116.20	74	5293.50
	24	2178.50	75	5355.80
	25	2240.80	76	5418.10
	26	2303.10	77	5480.40
	27	2365.40	78	5542.70
	28	2427.70	79	5605.00
	29	2490.00	80	5667.30
	30	2552.30	81	5729.60
	31	2614.60	82	5791.90
	32	2676.90	83	5854.20
	33	2739.20	84	5916.50
	34	2801.50	85	5978.80
	35	2863.80	86	6041.10
	36	2926.10	87	6103.40
	37	2988.40	88	6165.70
	38	3050.70	89	6228.00
	39	3113.00	90	6290.30
	40	3175.30	91	6352.60
	41	3237.60	92	6414.90
	42	3299.90	93	6477.20
	43	3362.20	94	6539.50
	44	3424.50	95	6601.80
	45	3486.80	96	6664.10
	46	3549.10	97	6726.40
	47	3611.40	98	6788.70
	48	3673.70	99	6851.00
	49	3736.00	100	6913.30
	50	3798.30	101	6975.60
	51	3860.60	102	7037.90

TRANSPORT COST OF CEMENT (50KG BAGS) -BADULLA

The cost includes loading, unloading and 20% profit and overhead

Distance	Cost / Bags (Rs. Cts)	Distance/Km	Cost / Bags (Rs. Cts)
1	80.00	52	397.25
2	87.25	53	403.25
3	94.50	54	409.25
4	101.75	55	415.25
5	109.00	56	421.25
6	116.25	57	427.25
7	123.50	58	433.25
8	130.75	59	439.25
9	138.00	60	445.25
10	145.25	61	451.25
11	151.25	62	457.25
12	157.25	63	463.25
13	163.25	64	469.25
14	169.25	65	475.25
15	175.25	66	481.25
16	181.25	67	487.25
17	187.25	68	493.25
18	193.25	69	499.25
19	199.25	70	505.25
20	205.25	71	511.25
21	211.25	72	517.25
22	217.25	73	523.25
23	223.25	74	529.25
24	229.25	75	535.25
25	235.25	76	541.25
26	241.25	77	547.25
27	247.25	78	553.25
28	253.25	79	559.25
29	259.25	80	565.25
30	265.25	81	571.25
31	271.25	82	577.25
32	277.25	83	583.25
33	283.25	84	589.25
34	289.25	85	595.25
35	295.25	86	601.25
36	301.25	87	607.25
37	307.25	88	613.25
38	313.25	89	619.25
39	319.25	90	625.25
40	325.25	91	631.25
41	331.25	92	637.25
42	337.25	93	643.25
43	343.25	94	649.25
44	349.25	95	655.25
45	355.25	96	661.25
46	361.25	97	667.25
47	367.25	98	673.25
48	373.25	99	679.25
49	379.25	100	685.25
50	385.25	101	691.25
51	391.25	102	697.25

TRANSPORT COST OF CEMENT (50KG BAGS) -BADULLA

The cost includes loading, unloading and 20% profit and overhead

Distance	Cost / Bags (Rs. Cts)	Distance/Km	Cost / Bags (Rs. Cts)
103	703.25	141	931.25
104	709.25	142	937.25
105	715.25	143	943.25
106	721.25	144	949.25
107	727.25	145	955.25
108	733.25	146	961.25
109	739.25	147	967.25
110	745.25	148	973.25
111	751.25	149	979.25
112	757.25	150	985.25
113	763.25	151	991.25
114	769.25	152	997.25
115	775.25	153	1,003.25
116	781.25	154	1,009.25
117	787.25	155	1,015.25
118	793.25	156	1,021.25
119	799.25	157	1,027.25
120	805.25	158	1,033.25
121	811.25	159	1,039.25
122	817.25	160	1,045.25
123	823.25	161	1,051.25
124	829.25	162	1,057.25
125	835.25	163	1,063.25
126	841.25	164	1,069.25
127	847.25	165	1,075.25
128	853.25	166	1,081.25
129	859.25	167	1,087.25
130	865.25	168	1,093.25
131	871.25	169	1,099.25
132	877.25	170	1,105.25
133	883.25	171	1,111.25
134	889.25	172	1,117.25
135	895.25	173	1,123.25
136	901.25	174	1,129.25
137	907.25	175	1,135.25
138	913.25	176	1,141.25
139	919.25	177	1,147.25
140	925.25	178	1,153.25

TRANSPORT COST OF CEMENT (50KG BAGS)-MONARAGALA

The cost includes loading, unloading and 20% profit and overhead

Distance	Cost / Bags (Rs. Cts)	Distance/Km	Cost / Bags (Rs. Cts)
1	54.50	52	591.50
2	67.50	53	601.50
3	80.50	54	611.50
4	93.50	55	621.50
5	106.50	56	631.50
6	119.50	57	641.50
7	132.50	58	651.50
8	145.50	59	661.50
9	158.50	60	671.50
10	171.50	61	681.50
11	181.50	62	691.50
12	191.50	63	701.50
13	201.50	64	711.50
14	211.50	65	721.50
15	221.50	66	731.50
16	231.50	67	741.50
17	241.50	68	751.50
18	251.50	69	761.50
19	261.50	70	771.50
20	271.50	71	781.50
21	281.50	72	791.50
22	291.50	73	801.50
23	301.50	74	811.50
24	311.50	75	821.50
25	321.50	76	831.50
26	331.50	77	841.50
27	341.50	78	851.50
28	351.50	79	861.50
29	361.50	80	871.50
30	371.50	81	881.50
31	381.50	82	891.50
32	391.50	83	901.50
33	401.50	84	911.50
34	411.50	85	921.50
35	421.50	86	931.50
36	431.50	87	941.50
37	441.50	88	951.50
38	451.50	89	961.50
39	461.50	90	971.50
40	471.50	91	981.50
41	481.50	92	991.50
42	491.50	93	1,001.50
43	501.50	94	1,011.50
44	511.50	95	1,021.50
45	521.50	96	1,031.50
46	531.50	97	1,041.50
47	541.50	98	1,051.50
48	551.50	99	1,061.50
49	561.50	100	1,071.50
50	571.50	101	1,081.50
51	581.50	102	1,091.50

TRANSPORT COST OF CEMENT (50KG BAGS)-MONARAGALA

The cost includes loading, unloading and 20% profit and overhead

Distance	Cost / Bags (Rs. Cts)	Distance/Km	Cost / Bags (Rs. Cts)
103	1,101.50	141	1,481.50
104	1,111.50	142	1,491.50
105	1,121.50	143	1,501.50
106	1,131.50	144	1,511.50
107	1,141.50	145	1,521.50
108	1,151.50	146	1,531.50
109	1,161.50	147	1,541.50
110	1,171.50	148	1,551.50
111	1,181.50	149	1,561.50
112	1,191.50	150	1,571.50
113	1,201.50	151	1,581.50
114	1,211.50	152	1,591.50
115	1,221.50	153	1,601.50
116	1,231.50	154	1,611.50
117	1,241.50	155	1,621.50
118	1,251.50	156	1,631.50
119	1,261.50	157	1,641.50
120	1,271.50	158	1,651.50
121	1,281.50	159	1,661.50
122	1,291.50	160	1,671.50
123	1,301.50	161	1,681.50
124	1,311.50	162	1,691.50
125	1,321.50	163	1,701.50
126	1,331.50	164	1,711.50
127	1,341.50	165	1,721.50
128	1,351.50	166	1,731.50
129	1,361.50	167	1,741.50
130	1,371.50	168	1,751.50
131	1,381.50	169	1,761.50
132	1,391.50	170	1,771.50
133	1,401.50	171	1,781.50
134	1,411.50	172	1,791.50
135	1,421.50	173	1,801.50
136	1,431.50	174	1,811.50
137	1,441.50	175	1,821.50
138	1,451.50	176	1,831.50
139	1,461.50	177	1,841.50
140	1,471.50	178	1,851.50

Annexure

1, 2 & 3

SPECIFICATIONS RELATED TO THE HSR ITEMS

EARTH WORKS

(a) Embankment construction -- SSCM section 304

Type I	MDD $\geq$ 1600hg/m ³
Type II	MDD $\geq$ 1500hg/m ³
HRS Items	EW1-011, EW1-014

(b) Soil for road - shoulders and gravel surfacing - SSCM section 409 & 601:

Table 1708-1

Sieve size (mm)	Percentage passing
37.5	100
19	75-100
4.75	40-100
2.36	30-80
0.6	18-50
0.075	05-25

Table 1708-2 Consistency limits for road shoulder materials and gravel surfacings

Climatic Zone	LL	PL
Wet zone	< 40	4-15
Dry zone	< 50	6-25

CBR $\geq$ 20%

Degree of compaction - 100%

- © Sub Base LL $\leq$ 40
 CBR $\geq$ 20%
 PL $\leq$ 15
 HSR Items : EW1-001, EW1-013

2 Aggregates

(a) Single size aggregate bases - 50, 37.5, 19 & 12.5mm - SSCM section 403:

Table 1701-4

Sieve Size mm	Percentage passing			
	Normal size in mm			
	50	37.5	19	12.5
63	100	-	-	-
50	85-100	100	-	-
37.5	0-30	85-100	-	-
25	0-7	0-30	100	-
19	0-2	0-7	85-100	100
12.5	-	0-2	0-35	85-100
9.5	-	-	0-7	0-35
4.75	-	-	-	0-5
2.36	-	-	0-2	0-2

AIV $\leq$ 30%FL $\leq$ 35%

HSR Items M1-004, M1-007, M1-008, M1-009, A1-005 To A1-012

(b) **Water bound macadam and Dry bound macadam - SSCM section 404:**
(50 or 63 mm and crusher fines)

Sieve Size mm	Percentage passing		
	Normal max size of agg in mm		Crusher fines
	63	50	
75	100	-	-
63	90 - 100	100	-
50	30 - 70	90 - 100	-
37.5	0 - 15	30 - 70	-
25	-	0 - 15	-
19	0 - 5	-	-
12.5	-	0 - 5	-
9.5	-	-	100
4.75	-	-	85 - 100
0.15	-	-	10 - 30

AIV <=30%

FL <=35%

HSR Items : **M1-010, M1-011**

© **Penetration macadam base - SSCM section 406:**

Table 1707-7

Sieve Size mm	Percentage passing					
	Nominal size in mm					
	50	37.5	25	19	12.5	9.5
63	100	-	-	-	-	-
50	-	100	-	-	-	-
37.5	35 - 70	-	100	-	-	-
25	-	35 - 70	-	100	-	-
19	0 - 15	-	35 - 70	35 - 70	100	-
12.5	-	0 - 15	-	-	35 - 70	100
9.5	-	-	0 - 15	0 - 15	-	35 - 70
4.75	-	-	-	-	0 - 15	-
2.36	0 - 5	0 - 5	0 - 5	0 - 5	0 - 5	0 - 15
1.18	-	-	-	-	-	0 - 5

AIV <=30%

FL <=35%

HSR Items : **S1-037, S1-038**

(d) **Dense Graded Aggregate Base : SSCM section 405**

(ABC construction)

Table 1701-5

Sieve Size mm	Percentage passing			
	Nominal size in mm			
	50	37.5	25	19
62.5	100	-	-	-
50	-	100	-	-
37.5	87 - 100	95 - 100	100	-
25	-	-	85 - 100	100
19	53 - 85	85 - 92	70 - 95	85 - 100
9.5	33 - 65	38 - 70	50 - 80	55 - 90
4.75	18 - 50	23 - 55	30 - 63	35 - 70
2.36	15 - 40	18 - 45	22 - 50	26 - 55
0.6	8 - 25	8 - 25	8 - 25	8 - 25
0.75	0 - 10	0 - 10	0 - 10	0 - 10

AIV <=30%

FL <=35%

CBR >=80%

HSR Items : **M1-012, M1-013**

(e) **Bitumen Bound base - SSCM section 407**

Table 1701-6

Mixclassification no	1	2	3	4
Nominal maximum size aggregate in mm	37.5	37.5	19	19
Course	Dense graded	Open graded	Dense graded	Open graded
Thickness mm - Max - Min	100 50	100 50	50 30	40 30
Sieve size mm	Total % by weight passing			
50	100	100	-	-
37.5	95 - 100	95 - 100	-	-
25	75 - 90	35 - 65	100	100
19	-	-	70 - 100	95 - 100
12.5	60 - 75	20-May	-	35 - 65
9.5	-	-	35 - 60	20 - 40
4.75	-	-	15 - 35	-
2.36	30 - 45	0 - 10	5 - 20	20-May
0.075	0 - 6	0 - 2	0 - 4	0 - 2
Percent binder content by total weight if mix.	3.0 - 4.0	2.5 - 3.5	3.5 - 4.5	3.0 - 4.0

AIV <=30%

FI<=35%

HSR Items : **BO-362, S1-032**

3 Surfacing :

(a) **Asphalt concrete - SSCM section 506:**

Table 506-1

Mix. Classification No. Course	Binder Course	Wearing Course Type - 1	Wearing Course Type - 2
Thickness mm- Max. Min	75 35	75 35	75 35
Sieve size mm	Total % by weight passing including filler if		
25	100	100	-
19	88 - 100	90 - 100	100
12.5	-	-	80 - 100
9.5	54 - 80	65 - 93	73 - 93
4.75	34 - 56	45 - 73	52 - 69
2.36	21 - 38	35 - 58	32 - 50
1.18	15 - 33	26 - 48	25 - 43
0.6	10 - 26	18 - 38	19 - 35
0.3	06 - 20	13 - 26	14 - 27
0.15	03 - 13	08 - 20	09 - 18
0.075	01 - 07	04 - 12	05 - 10
Percent binder content by total weight of mix.	3.5 - 4.5	4.0 - 5.0	4.0 - 5.5

AIV <=30%

FI<=35%

LAAV<=40%

HSR Items : **BO-361, S1-031, BO-362A**

(b) Seal Coat treatments (Surface dressing) - SSCM section 505:

Table 1701-8

Sieve Size mm	Percentage passing			
	Nominal size in mm			
	19	12.5	9.5	6.3
25	100	-	-	-
19	85 - 100	100	-	-
12.5	0 - 25	85 - 100	100	-
9.6	0 - 7	0 - 25	85 - 100	100
6.3	-	-	0 - 25	85 - 100
4.75	-	0 - 7	0 - 10	-
2.36	0 - 2	0 - 2	0 - 2	0 - 10
0.075	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5

AIV<=30%

FL<=35%

LAAV<=40%

HSR Items : S1-003, S1-004, S1-005, S1-006, S1-029, S1-030

© Cold mix surfacings - SSCM section 507 :

Table 507.1

Grading type Nominal max size of aggregate	Dense graded		Open graded	
	19 mm	123.5 mm	10 mm	12.5 mm
Sieve size mm	Total percentage passing by weight			
25	100	-	100	-
19	90 - 100	100	90 - 100	100
12.5	-	90 - 100	60 - 80	85 - 100
9.5	56 - 80	-	-	-
4.75	35 - 65	44 - 74	18 - 35	35 - 50
2.36	23 - 49	28 - 56	-	15 - 30
0.3	05 - 20	05 - 22	-	-
0.075	0 - 05	0 - 08	0 - 03	0 - 03
Percent binder as % of wgt of Aggregate				
(a) Cutback Bitumen	4.5 - 5.5	5.0 - 6.0	4.5 - 5.0	4.5 - 5.0
(b) Emulsion	5.0 - 6.0	5.5 - 6.5	4.5 - 5.5	5.0 - 6.0

AIV<=30%

FL<=35%

LAAV<40%

HRS Items : BO-365, BO-366, SI-033, S1-033A

4 Binder for Surface applications

(a) Prime coat - CSS-1 emulsion - SSCM section 1702.3

Residue on distillation minimum 57%

Cutback bitumen (20-45%) or MC-30, MC-70 or MC-800: SSCM section 1702.2

HSR Items : BO-352, S1-022, S1-023, S1-024, S1-026

(b) Sand seal - CRS-1 emulsion - SSCM section 1702.3

HRS Items : BO-353, S1-011, S1-012, S1-013

S1-014, S1-027, S1-035, S1-036

Tack coat

Residue on distillation minimum 60%

Viscosity min. 20 Saybolt furol seconds

Cutback bitumen (8-12%) - SSCM section 1702.3

Bitumen 80 - 100 penetration grade bitumen - SSCM section 1702.1

© Surface dressing - CRS-2 emulsion - SSCM section 1702.3

Residue on distillation minimum 05%

Viscosity min. 100 Saybolt furol seconds

HSR Items : BO-354, S1-029, S1-030

Annexure - 02

THE QUANTITIES OF THE VARIOUS MATERIALS FOR CEMENT CONCRETE AND CEMENT MORTARS REQUIRED TO YIELD AN AVERAGE WORKABLE MIX SHALL BE AS FOLLOWS.

No	DESCRIPTION	PROPORTION [NORMAL MIX] OR GRADE	YIELD UNIT	CEMENT IN 50KG	SAND (CU.M.)	AGGREGATE / RUBBLE (CU.M)
1	CEMENT CONCRETE	G 40 (19MM)	CU.M.	8.26*	0.46*	0.79*
2	CEMENT CONCRETE	G 30 (19MM)	CU.M.	7.16*	0.48*	0.8*
3	CEMENT CONCRETE	G 25 (19MM)	CU.M.	7.16*	0.50*	0.79*
4	CEMENT CONCRETE	G 25 (37.5MM+19MM) 70% 30%	CU.M.	5.86*	0.46*	37.5=0.62* 19.0=0.27*
5	CEMENT CONCRETE	G 20 (19MM)	CU.M.	6.04*	0.53	0.79*
6	CEMENT CONCRETE	1:1 1/2 : 3 (19MM)	CU.M.	8.12	0.6	0.91
7	CEMENT CONCRETE	1:2:4 (19MM)	CU.M.	5.65	0.6	0.9
8	CEMENT CONCRETE	1:2:4 (37.5MM)	CU.M.	5.65	0.6	1.0
9	CEMENT CONCRETE	1:3:6 (19MM)	CU.M.	4.38	0.6	0.91
10	CEMENT CONCRETE	1:3:6 (37.5 MM)	CU.M.	4.38	0.6	1
11	CEMENT CONCRETE	1:4:8 (50MM)	CU.M.	3.18	0.6	1
12	12.5MM CT. RENDER	1:2 MIX	SQ.M	0.15#	0.013	-
13	19.0MM CT. RENDER	1:2 MIX	SQ.M	0.23#	0.02	-
14	12.5MM CT. RENDER	1:3 MIX	SQ.M	0.12#	0.016	-
15	19.0MM CT. RENDER	1:3 MIX	SQ.M	0.19#	0.024	-
16	R.R. MASONARY IN CEMENT SAND MORTAR	1:6 MIX	CU.M.	1.77	0.4	1.10

IN ITEMS 12-15 THE CEMENT QUANTITIES IS EXCLUSIVE OF THAT REQUIRED FOR SMOOTHING WHERE NECESSARY.

* THE ABOVE MIX PROPORTIONS FOR GRADE CONCRETE ARE GIVEN FOR ESTIMATION PUROSES. THE ACTUAL PROPORTION FOR GRADE CONCRETE SHALL BE DECIDED BY MIX DESIGNS AT SITE AND THE RATES SHALL BE ADJUSTED WITH THE APPROVAL OF THE PD.

Table 403 - 1 - Rates of Spread of Aggregate

Nominal thickness of base layer	Aggregates Size	Rate of Spread	
		Cubic metres per 100 sq.m	Cubic ft per 100 sq.ft
75 mm (3")	50 mm (2") aggregate	8.5 - 10.0	28 - 33
	19 mm (3/4") choker stone	1.0 - 1.3	3.3 - 4.2
55 mm (2 1/4")	37.5 mm (1 1/2") aggregate	6.6 - 7.5	21 - 25
	12.5 mm (1/2") choker stone	0.8 - 1.0	2.5 - 3.2
150 mm (6")	100 mm (4") aggregate	8.5 - 10.0	28 - 33
	50 mm (2") aggregate	8.5 - 10.0	28 - 33
	19 mm (3/4") choker stone	1.0 - 1.3	3.3 - 4.2
130 mm (5 1/4")	100 mm (4") aggregate	8.5 - 10.0	28 - 33
	37.5 mm (1 1/2") aggregate	6.6 - 7.5	21 - 25
	12.5 mm (1/2") choker stone	0.8 - 1.0	2.5 - 3.2

UVA PROVINCIAL ROAD DEVELOPMENT DEPARTMENT HIGHWAY SCHEDULE OF RATES -2026 Revised 01

Prepared By

: - P.H.Sherani Hasanthika
Quantity surveyor

Checked By

: - R.A.N.R.Kumari Rupasinghe
Draughtsman (Special Grade)

: - W.D.G.M.Sepalani
Draughtsman (Grade 1)

: - R.M.K.T.Rathnayake
Draughtsman (Grade 111)

: - T.A.Dilumi Nymanjalli
Draughtsman (Grade 111)

HSR Preparation Committee

: - Eng. R.M.A.S.Rathnayake - Chairman
Chief Engineer (Planning)

: - Eng. S.S.S. Fernando - Secretary
Planning Engineer

: - R.A.N.R.Kumari Rupasinghe - Member
Draughtsman (Special Grade)

: - W.D.G.M.Sepalani - Member
Draughtsman (Grade 1)

: - R.M.K.T.Rathnayake - Member
Draughtsman (Grade 111)

: - T.A.Dilumi Nymanjalli - Member
Draughtsman (Grade 111)

Recommended By

: - Eng. Hendry Dissanayake
Provincial Director (Roads) Provincial Road Development Department - Uva
Badulla

Approved By

: - Eng. P.M. Amarasekara
Deputy Chief Secretary (Engineering Service)
Eng. P.M. AMARASEKARA
Deputy Chief Secretary (Engineering Services)
Office of the Deputy Chief Secretary (Engineering Services)
Uva Provincial Council,
Pingarawa, Badulla