



# පළාත් ඉංජිනේරු කාර්යාංශය - බස්නාහිර පළාත

மாகாண பொறியியல் செயலணி - மேல் மாகாணம்  
PROVINCIAL ENGINEERING ORGANIZATION - WESTERN PROVINCE



ප්‍රධාන ලේකම් කාර්යාලය, 204, ඩෙන්සිල් කොබ්බෑකඩුව මාවත, බත්තරමුල්ල.  
பிரதான செயலாளர் அலுவலகம், 204, டென்சில் கொப்பேகடுவ மாவத, பத்தரமுல்ல.  
OFFICE OF THE CHIEF SECRETARY 204, Denzil Kobbekaduwa Mawatha, Battaramulla

නියෝජ්‍ය ප්‍රධාන ලේකම් (ඉංජිනේරු)  
பிரதான செயலாளர் (பொறியியல்)  
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මගේ අංකය  
எனது இலக்கம்  
My No.

CSWP/ENG-CON/5-2/FI/1(D)

ඔබේ අංකය  
உமது இலக்கம்  
Your No.

දිනය  
திகதி  
Date

2025.05.15

පළාත් ගොඩනැගිලි අධ්‍යක්ෂ/ පළාත් වාරිමාර්ග අධ්‍යක්ෂ,  
සාමාන්‍යාධිකාරී - පළාත් බදු මාර්ග සංවර්ධන අධිකාරිය (බ.ප.),  
පළාත් පාලන කොමසාරිස් (බ.ප.) සහ සියළුම පළාත් පාලන ආයතන ලේකම්වරුන්,  
බස්නාහිර පළාතේ සියළුම ප්‍රාදේශීය ලේකම්වරුන්,  
සියළුම ප්‍රාදේශීය ඉංජිනේරුවරුන්,

## සුළු වාරිමාර්ග ගාස්තු උපලේඛණය - 2025


2025.05.15 දින සිට නැවත දැනුම් දෙන තුරු වලංගු ඉදිකිරීම් ඇස්තමේන්තු පිළියෙල කර ගැනීමට උපයෝගී කරගත යුතු සුළු වාරිමාර්ග ගාස්තු උපලේඛණය නිකුත් කර ඇත. මෙම ලේඛණය බස්නාහිර පළාත් සභාවේ පළාත් ඉංජිනේරු කාර්යාංශයේ වෙබ් අඩවියෙන් ([eng.chiefsec.wpc.gov.lk](http://eng.chiefsec.wpc.gov.lk)) බාගත හැක.

02. මෙම රේට් මිල ගණන් පිළියෙල කිරීමේදී එකතු කළ අගය මත බදු (VAT), රේට් මිල ගණන්වලට අඩංගු කර නැත. ඇස්තමේන්තු පිළියෙල කිරීමේදී එකතු කළ අගය මත බදු, ප්‍රමාණ බිල්පතේ මුළු එකතුවට අමතර මුදලක් වශයෙන් එකතු කළ යුතුය.

03. ලේඛණයේ සඳහන් රේට් මිල ගණන් සකසා ඇත්තේ බස්නාහිර පළාතේ දිස්ත්‍රික් තුනම ආවරණය වන පරිදි හා විවෘත වෙළඳපලේ පවතින මූලික ද්‍රව්‍ය මිල ගණන්වල සාමාන්‍ය අගයන් පදනම් කර ගැනීමෙනි. කෙසේ වුවද, මෙහි සඳහන් ද්‍රව්‍යවල මිල හා ඔබගේ බල ප්‍රදේශය තුළ පවතින මිල ගණන් අතර සැලකිය යුතු වෙනස්කම් තිබේ නම්, ඒ පිළිබඳව මා වෙත දැන්වීමට පියවර ගන්න. එවැනි විශේෂ අවස්ථාවකදී යම් බල ප්‍රදේශයකට පමණක් සීමා වන පරිදි මිල ගණන් සංශෝධනය කිරීමට පියවර ගත හැක.

04. ඇස්තමේන්තු පිළියෙල කිරීමේදී භාවිතා කිරීම සඳහා මෙම ලේඛණයේ පිටපත් අදාළ කාර්මික නිලධාරීන් වෙත කරුණාකර නිකුත් කරන්න.

05. මෙම රේට් ගණන් පිළියෙල කර ඇත්තේ සුළු වාරිමාර්ග ද්‍රව්‍යවල ගුණාත්මක බව (Material Quality) සහ ඉදිකිරීම් නිමාව (Workmanship), ශ්‍රී ලංකා (SLS), බ්‍රිතාන්‍ය (BS), (A.S.T.M.) ප්‍රමිතීන්ට අනුකූලව සහ ICTAD පරීක්ෂක SCA/3/1, SCA/3/2, SCA/3/3, SCA/4(VOL-I), SCA/4(VOL-II), SCA/5, SCA/8 යන ප්‍රකාශනවල සඳහන් ගුණාංගයන් සපුරාලන බව උපකල්පනය කරමිනි. ඒ අනුව මෙම මිල ගණන් උපයෝගී කර ගැනීමේදී ඉහත ප්‍රකාශනවල අඩංගු ප්‍රමිතීන්ට අනුකූලව ඉදිකිරීම් සිදුවිය යුතු බව අවධාරණය කරනු කැමැත්තෙමි.

  
 ඉංජි. ආර්. පී. ඔණවර්ධන  
 නියෝජ්‍ය ප්‍රධාන ලේකම් (ඉංජිනේරු)  
 3 වන මහල,  
 04, බේස්පිල් පොලීසියාලය මාවත,  
 කුරුමිනි.  
 නියෝජ්‍ය ප්‍රධාන ලේකම් (ඉංජිනේරු),  
 බස්නාහිර පළාත.

දුරකථන : 0112092501  
 ෆැක්ස් : 0112092505  
 ඊමේල් : [dcsc@eng.wpc.gov.lk](mailto:dcsc@eng.wpc.gov.lk)

පිටපත්:

1. ප්‍රධාන ලේකම් (බ.ප.) : කරු.දැ.ස.
2. දිස්ත්‍රික් ලේකම්වරුන් (කොළඹ/ගම්පහ/කළුතර) : දිස්ත්‍රික් ලේකම් කාර්යාලයේ  
 ඉංජිනේරුවරුන්ගේ දැනගැනීම සඳහා යොමු කරන්න.
3. බස්නාහිර පළාතේ සියලුම අමාත්‍යාංශ ලේකම්වරුන් : කරු.දැ.ස.
4. නියෝජ්‍ය ප්‍රධාන ලේකම් (මූල්‍ය/ සැලසුම්) : කරු.දැ.ස.
5. අධ්‍යක්ෂ (අභ්‍යන්තර විගණන) : කරු.දැ.ස.
6. සහකාර විගණකාධිපති : කරු.දැ.ස.

ගොඩනැගිලි (අංශය) (බ.ප.) இலக்குவங்க (அங்கம்) (ப.ப.) Director (Buildings)	ඉංජිනේරු (අංශය) (බ.ප.) இலக்குவங்க (அங்கம்) (ப.ப.) Director (Engineering)	ප්‍රධාන ගණකාධිපති இலக்குவங்க (அங்கம்) (ப.ப.) Chief Accountant	මුහුණුවර ඉංජිනේරු இலக்குவங்க (அங்கம்) (ப.ப.) Head Quarters Engineer	පරිපාලන නිලධාරී இலக்குவங்க (அங்கம்) (ப.ப.) Administrative Officer	
Tel : 0112092503 Fax : 0112092510 <a href="mailto:eng.brg.wpc@gmail.com">eng.brg.wpc@gmail.com</a>	Tel : 0112092507 Fax : 0112092508 <a href="mailto:dir.eng@eng.wpc.gov.lk">dir.eng@eng.wpc.gov.lk</a>	Tel : 0112092524 Fax : 0112092523 <a href="mailto:eng.org.aoc@gmail.com">eng.org.aoc@gmail.com</a>	Tel : 0112092526 Fax : 0112092505 <a href="mailto:hq.engwp@gmail.com">hq.engwp@gmail.com</a>	Tel : 0112092506 Fax : 0112092505 <a href="mailto:eng.eng.adm.wpc@gmail.com">eng.eng.adm.wpc@gmail.com</a>	

# **IRRIGATION SCHEDULE OF RATES 2025**



**ALL RATES ARE COMMON TO  
COLOMBO, GAMPAHA &  
KALUTARA DISTRICTS**

(Rates effective from 15.05.2025 until further notice.)

## **PROVINCIAL IRRIGATION**

**WESTERN - PROVINCE**

## IRRIGATION SCHEDULE OF RATES -2025

### IRRIGATION SCHEDULE OF RATES

#### General Notes

- 1 This Irrigation Schedule of Rates (ISR) has effected date from 2025.05. 15 until further notice, and this rates are intended to be adopted in pricing an Engineering estimate for the rehabilitation, repairing, improvement or construction of irrigation projects of western province.
- 2 This ISR has been prepared based on work normally adopted for Irrigation works with eight hour labour input. Over head and profit components are included 20% . Provision should be made seperately in the estimate and should allow for maximum up to 10% of the BOQ total as contingencies.
- 3 Any material not conforming to Sri Lanka Standard Specification and /or workmanship not conforming to the (SCA/3/1) specifications for Irrigation and Land Drainage are to be rejected.
- 4 Unit rates and extension shall be given in Sri Lanka rupees to maximum of two significant places of decimals.
- 5 The item description of the BOQ shall confirm to that in the relevant items as appearing in this schedule, When preparing this BOQ base on these rates so as to avoid any ambiguity.
- 6 The rates given in this ISR valid for works carried out as per specification for Irrigation and Land Drainage issued by ICTAD publication no. SCA/3/1.
- 7 When it is necessary to convert from imperial to metric unit apply conversion factor as follows.

<i>To convert rate per</i>	<i>To rate per</i>	<i>Multiply the present rate</i>
Cube	m <sup>3</sup>	0.353
Square	m <sup>2</sup>	0.108
Sq.ft.	m <sup>2</sup>	10.763
L.ft.	m	3.280
Cwt.	Kg.	0.019

#### 8 Unit Conversions

convert Lit. to gal. multiply by 0.222  
 convert Mles to Km multiply by 1.609  
 convert Kilo to pounds multiply by 2.205  
 convert hundred weights to Kg. multiply by 50.802  
 convert feet to metres by multiply 0.3048  
 convert acres to hectares by multiply 0.4046  
 convert square miles to hectares multiply by 258.99

## 9 Useful Data for steel as follows.

## (i) Steel Bars

<b>Dia. mm</b>	<b>Area Sq.mm</b>	<b>Normal weight (Kg/m.)</b>	<b>Minimum bend Radius</b>
6	28	0.222	-
8	50.3	0.395	-
10	78.5	0.617	28
12	113	0.888	44
16	201	1.580	70
18	254	2.000	70
20	314	2.470	88
22	380	2.980	88
25	491	3.850	140
28	615	4.830	178
32	804	6.310	178
36	1018	7.990	224
40	1257	9.860	224

## (ii) Angle Iron

<b>Size (mm)</b>	<b>Sectional Area</b>	<b>weight (Kg/m.)</b>
25x25x4	1.85	1.45
35x35x5	3.28	2.57
50x50x6	5.69	4.47
65x65x6	7.53	5.91
75x75x6	8.73	6.85

## (iii) Flat Iron

<b>Size (mm)</b>	<b>Thickness (mm)</b>	<b>weight (Kg/m.)</b>
20x5	5	0.98
50x6	6	2.36

10 **Abbreviations**

*Abbreviations used in this BOQ denotes the following.*

<b>Ft</b>	Feet	<b>c/c</b>	Centre to centre
<b>Lft.</b>	Linear Feet	<b>@</b>	Each
		<b>Gr.</b>	Grade
<b>Ft <sup>2</sup></b>	Square Feet	<b>Approx. -</b>	Approximately
<b>Sqft.</b>	Square Feet	<b>Thk.</b>	Thick
<b>Sqr.</b>	Squares		
		<b>T.S.</b>	Tor steel
<b>Ft <sup>3</sup></b>	Cubic Feet	<b>Y/T</b>	Tor steel
<b>Cuft.</b>	Cubic feet	<b>T</b>	Tor steel
<b>Cu.</b>	Cube	<b>M.S.</b>	Mild steel
		<b>R</b>	Mild steel
<b>m</b>	metre		
<b>Lm.</b>	Linear metre	<b>G.L.</b>	Ground Level
<b>m <sup>2</sup></b>	Square metre	<b>L.day</b>	Labour day
<b>Sqm.</b>	Square metre	<b>S.day</b>	Semi skill day

		<b>Un. day</b>	Un skill Labour day
<b>m<sup>3</sup></b>	Cubic metre		
<b>Cm.</b>	Cubic metre	<b>C.I.</b>	Cast Iron
		<b>W.I.</b>	Wrought Iron
<b>mm.</b>	milli metre	<b>F/W</b>	Form work
<b>cm.</b>	Centi metre	<b>R/F</b>	Reinforcement
<b>Kg.</b>	Kilogramme	<b>Rs.</b>	Rupees (Sri Lankan)
<b>h.</b>	hour	<b>cts.</b>	Cents (Sri Lankan)
<b>BOQ</b>	Bill of Quantities	<b>mr.</b>	Motar
<b>Ele.</b>	Elevation	<b>ct.mr.</b>	Cement motar
<b>No.</b>	Number (to indicate as item,page)	<b>T/T</b>	Tractor Tailor
<b>Nr.</b>	Number (to indicate as quantity)	<b>Qty.</b>	Quantity
<b>RCC</b>	Reinforced Cement Concrete	<b>L</b>	Length
<b>G.W.L.</b>	Ground water level	<b>B</b>	Breadth
<b>Wk.</b>	Week	<b>H</b>	Height
<b>Mon.</b>	Month	<b>W</b>	width
<b>dia.</b>	Diameter	<b>H</b>	Height
<b>Mon.</b>	Month	<b>T</b>	Top Layer
<b>dia.</b>	Diameter	<b>B</b>	Bottom Layer

END.

<b>PRICE LIST FOR ISR - 2025</b>			
<b>ITEM NO.</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>PRICE (excluding VAT) 2025</b>
	<b><u>MASONRY</u></b>		
1	Cement - 50kg bags of Portland composite cement complying to S.L.S.1697, Strength class - 42.5 N (including around 16km transport)	Nr.	1,960.00
2	Rubble 6" x 9" (including around 16 km transport with loading & unloading )	Cube	10,000.00
3	River Sand (including around 16 km transport with loading & unloading )	Cube	26,500.00
4	Metal 1/2" (including around 16 km transport with loading & unloading )	Cube	11,000.00
5	Metal 3/4" (including around 16 km transport with loading & unloading )	Cube	11,000.00
6	Metal 1" (including around 16 km transport with loading & unloading )	Cube	10,950.00
7	Metal 1 1/2" (including around 16 km transport with loading & unloading )	Cube	10,900.00
8	Quarry Dust (including around 16 km transport with loading & unloading )	Cube	11,700.00
9	Aggregate Base Course (ABC)- graded 37.5 mm. including 16 km transport	Cube	11,350.00
10	Water	gallon	2.50
	<b><u>STEEL</u></b>		
11	Tor steel -SLS 375 (including transport)	kg.	242.00
12	Mild steel -SLS 375 (including transport)	kg.	242.00
13	Binding wire 18G (25 Kg. roll)	kg.	176.40
14	25 x 25 x 5mm Angle iron	L.ft	124.00
15	38 x 38 x 5mm Angle iron	L.ft	197.00
16	50 x 50 x 6mm Angle iron	L.ft	301.00
17	65 x 65 x 6mm Angle iron	L.ft	421.00
18	75 x 75 x 6mm Angle iron	L.ft	512.00
19	100 x 50 x 6 mm - Channel Iron	L.ft	775.00
20	125 x 65 x 6mm Channel iron	L.ft	1,034.00
21	150 x 75 x 6mm Channel iron	L.ft	1,309.00
22	Steel Wire nails 1"	kg.	270.60
23	Steel Wire nails 1 1/2"	kg.	270.60
24	Steel Wire nails 2"	kg.	270.60
25	Steel Wire nails 3"	kg.	270.60
26	Steel Wire nails 5"	kg.	270.60
27	6mm dia. M.S.Rod	L.ft	17.00
28	5mm thick M.S.Plate (8' X 4')	Sqft	787.00
29	10mm thick M.S. Plate (8' X 4')	Sqft	1,520.00
30	12mm thick M.S. Plate (8' X 4')	Sqft	1,798.00

31	1" dia. Steel chain	L.ft	700.00
32	2" x 1/4" Flat iron	L.ft	180.00
33	20 x 5mm Flat iron	L.ft	55.00
34	GI Pipe - 3/4" dia. x 1.8 mm thick	L.ft	83.00
35	GI Pipe - 1" dia. x 2mm. thk.	L.ft	119.00
36	GI Pipe - 1 1/2" dia. x 2.3mm thick	L.ft	199.00
37	GI Pipe - 2" dia. 2.3mm. thk.	L.ft	258.00
38	GI Pipe - 2 1/2" dia. X2.6mm thick	L.ft	365.00
39	GI Pipe - 3" dia. x 2.9mm thick	L.ft.	430.00
40	(3/4" x 3/4") 1.6mm. thk. Hollow Section	L.ft	69.00
41	Pop rivert	Nr.	3.00
42	1/4" dia. 2 1/2" long nut & bolt	Nr.	90.00
43	Timber 2"x 1" class 11-for shuttering	L.ft	25.00
44	Timber 2"x 2" class 11-for shuttering	L.ft	50.00
	<b><u>HUME PIPE (R.C.C)</u></b>		
45	04" Dia. X 8'-0"	Nr.	Deleted
46	06" Dia. X 8'-0"	Nr.	9,900.00
47	09" Dia. X 8'-0"	Nr.	11,100.00
48	12" Dia. X 8'-0"	Nr.	7,750.00
50	18" Dia. X 8'-0"	Nr.	15,000.00
51	24" Dia. X 8'-0"	Nr.	24,500.00
53	36" Dia. X 8'-0"	Nr.	38,500.00
53.1	36" Dia. X 4'-0"	Nr.	21,100.00
55	48" Dia. X 8'-0"	Nr.	62,700.00
55.1	48" Dia. X 4'-0"	Nr.	31,400.00
	<b><u>HUME PIPE COLLARS (R.C.C)</u></b>		
57	09" Dia.	Nr.	1,500.00
58	12" Dia.	Nr.	1,900.00
60	18" Dia.	Nr.	2,250.00
61	24" Dia.	Nr.	2,900.00
63	36" Dia.	Nr.	3,800.00
64	42" Dia.	Nr.	Deleted
65	48" Dia.	Nr.	4,500.00
	<b><u>Timber</u></b>		
66	Specified timber "Kumbuk"	Cuft	17,872.00
66A	Specified timber "Kumbuk"-50x150	M	1,489.00
66B	Specified timber "Kumbuk"-75x150	M	2,234.00
67	Specified timber " Naa, Mee"	Cuft	9,200.00
68	Plywood ordinary 12mm thick (8'x4')	Sqft	142.00
69	Plywood ordinary 15mm thick (8'x4')	Sqft	162.00
70	Rubber planks - 3/4" thick	Sqft	85.00
71	Rubber planks - 1" thick	Sqft	100.00
72	Rubber planks - 1 1/2" thick	Sqft	125.00
73	Timber 2" x 1" Class II - for shuttering	L.ft	25.00



74	Timber 2" x 2" Class II - for shuttering	L.ft	50.00
75	Timber 4" x 2" Class II - for shuttering	L.ft	150.00
	<b><u>MISCELLANEOUS</u></b>		
76	Bitumen	1Lt.	600.00
77	Brass padlock (2")	Nr.	1,500.00
78	PVC Pipe 4" dia. (type 600)	L.ft	485.00
79	Polysack Bags (filling 65kg capacity) with transport	Nr.	40.00
80	Anticorrosive paint	1Lt.	1,629.00
81	Enamel paint	1Lt.	1,403.60
82	Emulsion paint	1Lt.	615.89
83	Wood preservative	1Lt.	755.00
84	Turf	Sqft	65.00
85	Digital print	Sqft	325.00
86	Paint Brush 1" -Jat	Nr.	214.00
87	Paint Brush 1 1/2" -Jat	Nr.	246.00
88	Paint Brush 2" -Jat	Nr.	307.00
89	Paint Brush 3" -Jat	Nr.	492.00
90	Paint Brush 4" -Jat	Nr.	758.00
91	Paint Brush 6" -Jat	Nr.	941.00
92	Sand paper	Nr.	180.00
93	Grease	Kg.	1,000.00
	<b><u>PLANT</u></b>		
94	Water pump 2"dia.(with necessary items)	per day	3,500.00
95	Tractor & Tailer	Per Day	9,558.37
96	Hydrolic Backhoe excavator (1Cu.yd) (output 102.2Cubes/ 8 hours) pc 40	Per Hour	4,000.00
97	Hydrolic Backhoe excavator (1Cu.yd) (output 102.2Cubes/ 8 hours) with barge PC 40	Per Hour	5,000.00
98	Concrete mixer with operator & fuel /(8 hour day) HSR	Per Day	11,675.37
99	Vibrator / (8 hour day) Less operator HSR	Per Day	1,956.19
100	Welding Plant / (8 hour day) HSR	Per Day	14,070.73
101	Vibrating roller (1/2-1 ton) with fuel & operator HSR	Per Day	8,379.14
	<b><u>VEHICLE TRANSPORT</u></b>		
102	Low bed tailer (first 15km)	Each	15,000.00
103	Additional 1km	Each	1,100.00
	<b><u>LABOUR</u></b>		
104	Special skill Labour (Electrician,Carpenter, Plumber)/8hours	Per Day	3,750.00
105	Skill Labour - ( mason, barbender etc.)/ 8 hours	Per Day	3,670.00
106	Semi skill Labour / 8 hours	Per Day	2,800.00
107	Unskill Labour / 8 hours	Per Day	2,600.00
	<b><u>CAST IRON SLUICE GATES &amp; COMPONENTS</u></b>		
108	3" (75 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	60,000.00
109	4" (100 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	60,000.00

110	6" (150 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	58,000.00
111	9" (225 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	105,000.00
112	12" (300 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	115,000.00
113	15" (375 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	145,000.00
114	18" (450 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	170,000.00
115	24" (600 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	260,000.00
116	30" (750 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	450,000.00
117	36" (900 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	630,000.00
118	40" (1000 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	82,000.00
	<b><u>CAST IRON SLUICE GATE SPARES</u></b>		
119	C.I. Housing & Base Plate - 3/4"	Nr.	7,900.00
120	C.I. Housing & Base Plate - 1"	Nr.	10,500.00
121	C.I. Housing & Base Plate - 1 1/4"	Nr.	10,500.00
122	C.I. Housing & Base Plate - 1 1/2"	Nr.	14,000.00
123	C.I. Housing & Base Plate - 2"	Nr.	17,000.00
124	C.I. Housing & Base Plate - 2 1/2"	Nr.	25,000.00
	<b><u>Plate Type L Device</u></b>		
125	Plate Type L Device (without padlock) - 3/4"	Nr.	2,700.00
126	Plate Type L Device (without padlock) - 1"	Nr.	3,600.00
127	Plate Type L Device (without padlock) - 1 1/4"	Nr.	3,600.00
128	Plate Type L Device (without padlock) - 1 1/2"	Nr.	4,500.00
129	Plate Type L Device (without padlock) - 2"	Nr.	5,600.00
130	Plate Type L Device (without padlock) - 2 1/2"	Nr.	6,600.00
	<b><u>Brass Nut</u></b>		
131	Brass Nut 04 T.P.I- 3/4"	Nr.	9,500.00
132	Brass Nut 04 T.P.I - 1"	Nr.	19,000.00
133	Brass Nut 04 T.P.I- 1 1/4"	Nr.	19,000.00
134	Brass Nut 04 T.P.I - 1 1/2"	Nr.	24,000.00
135	Brass Nut 04 T.P.I - 2"	Nr.	33,000.00
136	Brass Nut 04 T.P.I - 2 1/2"	Nr.	60,000.00
137	Brass Nut 02 T.P.I - 2"	Nr.	33,000.00
138	Brass Nut 02 T.P.I - 2 1/2"	Nr.	60,000.00
	<b><u>Steel Spindle</u></b>		
139	Steel Spindle - 3/4"	L.ft	1,800.00
140	Steel Spindle - 1"	L.ft	2,500.00
141	Steel Spindle - 1 1/4"	L.ft	3,000.00
142	Steel Spindle - 1 1/2"	L.ft	3,800.00
143	Steel Spindle - 2"	L.ft	6,900.00
144	Steel Spindle - 2 1/2"	L.ft	10,000.00
	<b><u>Spindle Bush Welding</u></b>		
145	Spindle Bush Welding - 3/4"	Nr.	600.00
146	Spindle Bush Welding - 1"	Nr.	600.00

147	Spindle Bush Welding - 1 1/4"	Nr.	600.00
148	Spindle Bush Welding- 1 1/2"	Nr.	780.00
149	Spindle Bush Welding - 2"	Nr.	890.00
150	Spindle Bush Welding - 2 1/2"	Nr.	2,500.00
	<b><u>Threading</u></b>		
151	Threading 04 T.P.I.- 3/4"	L.ft	1,100.00
152	Threading 04 T.P.I. - 1"	L.ft	1,600.00
153	Threading 04 T.P.I.- 1 1/4"	L.ft	1,750.00
154	Threading 04 T.P.I.- 1 1/2"	L.ft	1,950.00
155	Threading - 04 T.P.I. - 2"	L.ft	3,000.00
157	Threading - 02 T.P.I. - 2 1/4"	L.ft	2,800.00
158	Threading - 02 T.P.I.- 2 1/2"	L.ft	5,000.00
	<b><u>Operating wheel</u></b>		
159	Steel Operating wheel 16" $\phi$ for- 3/4"	Nr.	10,600.00
160	Steel Operating wheel 16" $\phi$ for- 1"	Nr.	10,600.00
161	Steel Operating wheel 16" $\phi$ for- 1 1/4"	Nr.	10,600.00
162	Steel Operating wheel 18" $\phi$ for- 1 1/2"	Nr.	12,500.00
163	Steel Operating wheel 20" $\phi$ for- 2"	Nr.	16,000.00
164	Steel Operating wheel 24" $\phi$ for- 2 1/2"	Nr.	25,000.00
	<b><u>STEEL RAG BOLT</u></b>		
165	Steel Rag Bolt 3/4" $\phi$ - 1/2" x 9"	Nr.	850.00
166	Steel Rag Bolt - 1" $\phi$ x - 1/2" x 6"	Nr.	800.00
167	Steel Rag Bolt - 1 1/4" $\phi$ - 5/8" x 9"	Nr.	1,100.00
168	Steel Rag Bolt - 1 1/2" $\phi$ - 5/8" x 6"	Nr.	1,000.00
169	Steel Rag Bolt - 2" $\phi$ - 3/4" x 9"	Nr.	1,600.00
170	Steel Rag Bolt - 2 1/2" $\phi$ - 3/4" x 6"	Nr.	1,500.00
	<b><u>STEEL BOLTS &amp; NUT SIZES</u></b>		
171	Steel Bolts & Nuts - 2" x 1/2"	Nr.	250.00
172	Steel Bolts & Nuts - 2 1/2" x 1/2"	Nr.	300.00
173	Steel Bolts & Nuts - 3" x 1/2"	Nr.	350.00
	<b><u>STEEL WASHERS SIZES</u></b>		
174	Steel Washers - 1/2"	Nr.	100.00
175	Steel Washers - 5/8"	Nr.	120.00
176	Steel Washers - 3/4"	Nr.	150.00
	<b><u>OPERATING HANDLE</u></b>		
177	Steel Operating handle for- 3/4"	Nr.	3,300.00
178	Steel Operating handle for- 1"	Nr.	4,600.00
179	Steel Operating handle for- 1 1/4"	Nr.	4,600.00
180	Steel Operating handle for- 1 1/2"	Nr.	5,200.00
181	Steel Operating handle for- 2"	Nr.	5,500.00
182	Steel Operating handle for- 2 1/2"	Nr.	8,800.00

**RATES FOR IRRIGATION AND DRAINAGE WORKS -2025****PROVINCIAL IRRIGATION DEPARTMENT - WESTERN PROVINCE**

ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
<b>01</b>	<b>CLEARING AND GRUBBING</b>				
	<i><b>Note :</b> 1.Light jungle means all growth of vegetation consisting of undergrowth but not excluding "secondary growth jungle" and trees of varying girth and density. Shall be girth of 5% of trees will vary upto 2m. (Girth is measuring at a height of 1m. From the ground level) 1.2 Medium jungle means as above and Shall be girth of 5% of trees will vary upto 3m. 1.3 Secondary growth jungle means All growth of dense vegetation consisting shrubs, thorny bushes, undergrowth. (Note shall be mentioned under the relevant item.)</i>				
1.1	Light jungle clearing along channel trace Including removing outside reservation and burning .	Ac.	<b>108,108.00</b>	Hec.	<b>267,198.00</b>
1.2	Medium jungle clearing along channel trace Including removing outside reservation and burning .	Ac.	<b>162,162.00</b>	Hec.	<b>400,796.00</b>
1.3	Secondary growth jungle clearing along channel trace, including removing out side reservation and burning .	Ac.	<b>54,054.00</b>	Hec.	<b>133,599.00</b>
<b>02</b>	<b>EARTH WORK</b>				
2.1	Manual earth Excavation and spoil to waste or fill material, cutting and lift 0-1.5m, spreading 30 along the bund.	Cu.	<b>5,679.65</b>	M <sup>3</sup>	<b>2,005.00</b>
2.2	Manual earth excavation in canals and forming canal bunds cutting and lift 0-1.5m, spreading 30m.	Cu.	<b>6,389.60</b>	M <sup>3</sup>	<b>2,256.00</b>
2.3	Manual Earth excavation in canals and forming bunds, cut and lift 0-1.5, spread upto 30m /m3.	Cu.	<b>7,099.56</b>	M <sup>3</sup>	<b>2,507.00</b>
2.4	Manual earth excavation from borrow and forming bunds, cutting and lift 0 - 1.5m, spreading 30m.	Cu.	<b>8,519.47</b>	M <sup>3</sup>	<b>3,008.00</b>
2.5	Manual earth excavation for foundation, spoil to waste or back filling and ram and surplus disposed within the site as directed, cutting up to 1.5m and lift 0 - 1.5m, spreading 30m.	Cu.	<b>7,809.52</b>	M <sup>3</sup>	<b>2,757.00</b>
2.6	Manual earth excavation, additional to cut and lift over 1.5m up to 3 m, spreading 30m along the bund.	Cu.	<b>4,104.10</b>	M <sup>3</sup>	<b>1,449.00</b>
2.7	Manual earth excavation, additional to cut and lift over 3m up to 4.5m, spreading 30m along the bund.	Cu.	<b>4,450.55</b>	M <sup>3</sup>	<b>1,571.00</b>
2.8	Manual gravel excavation and spoil to waste or fill material , cutting and lift 0 - 1.5m, spreading 30m.	Cu.	<b>9,402.12</b>	M <sup>3</sup>	<b>3,319.00</b>
2.9	Manual soft rock excavation and spoil to waste or fill material , cutting and lift 0 - 1.5m, spreading 30m.	Cu.	<b>14,518.92</b>	M <sup>3</sup>	<b>5,126.00</b>
	<i><b>Note :-</b> Approved earth shall filling materials that earth shall be free of vegetation, decomposed materials, roots, quarry earth with various sizes rubbles, boulders, industrial waste, chemicals, plastic etc. (Note shall be mentioned under the relevant item.)</i>				

**RATES FOR IRRIGATION AND DRAINAGE WORKS -2025****PROVINCIAL IRRIGATION DEPARTMENT - WESTERN PROVINCE**

ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
2.10	Approved hard Earth spreading , levelling watering and manual compaction, using standered cast iron stamper or equivalent and filling in 150mm thick layers (loose volume) in earth available at site.	Cu.	4,820.40	M <sup>3</sup>	1,702.00
2.11	<b>Approved earth supplying</b> within 16 Km from the source and piled at site (measured at piled volume)	Cu.	9,192.82	M <sup>3</sup>	3,245.00
2.12	<b>Approved earth supplying</b> within 16 Km from the source to site (measured from levelling)	Cu.	9,000.00	M <sup>3</sup>	3,177.00
2.13	Spreading & Levelling using machine and Compaction of earth using Vibrating roller (1/2 - 1 ton) or equivalent including watering in 225mm thick layers (measured on piled volume) . Rate includes hire charges of machine & Vibrating roller. (Earth available at site).	Cu.	1,259.00	M <sup>3</sup>	445.00
2.14	<b>Manually spreading and levelling</b> piled approved earth available at site rate <b>without compaction.</b>	Cu.	631.00	M <sup>3</sup>	223.00
2.15	<b>Manual haul earth/Gravel/soft rock</b>				
	<b>Note</b> :-Additional for haul shall be maximum 150m				
2.15.1	Manual haul earth/Gravel/soft rock,haul in each step of 30m.	Cu.	1,750.32	M <sup>3</sup>	618.00
2.15.2	Manual haul earth/Gravel/soft rock, in each step of 60m.	Cu.	3,500.64	M <sup>3</sup>	1,236.00
2.15.3	Manual haul earth/Gravel/soft rock,haul in each step of 90m.	Cu.	5,250.96	M <sup>3</sup>	1,854.00
2.15.4	Manual haul earth/Gravel/soft rock,haul in each step of 120m.	Cu.	7,001.28	M <sup>3</sup>	2,472.00
2.15.5	Manual haul earth/Gravel/soft rock,haul in each step of 150m.	Cu.	8,751.60	M <sup>3</sup>	3,090.00
	<b>Manual Stripping top soil</b>				
2.16	Manual Stripping top soil up to 75mm depth, haul up to 30m.	Sqr.	2,132.21	Sqm	231.00
2.17	Stripping top soil by machinery up to 75mm depth, and spoil to waste.	Sqr.	117.42	Sqm	13.00
2.18	Manual Scraping top vegetation , haul up to 30m.	Sqr.	318.24	Sqm	35.00
2.19	Manual Forming puddle core wall, including compacting (Maudling) of puddle and solid mass including cutting clay, excluding transport.	Cu.	19,094.40	M <sup>3</sup>	6,741.00
2.20	<b>Manual Placing and compacting earth in canal/ backfill</b> including watering , including picking roots & spreading.	Cu.	1,896.02	M <sup>3</sup>	670.00

**RATES FOR IRRIGATION AND DRAINAGE WORKS -2025****PROVINCIAL IRRIGATION DEPARTMENT - WESTERN PROVINCE**

ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
2.21	Furnishing , Planting and Watering turf (Full turfing), excluding haul.	Sqr.	10,472.40	M <sup>2</sup>	1,131.00
2.22	Furnishing , Planting and Watering turf (Strip turfing), excluding haul.	Sqr.	5,235.00	M <sup>2</sup>	566.00
2.23	Placing and Packing 150 - 225mm / 225 - 300mm rubble in slope of embankment , excluding haul but including rubble within 20 km by Tractor & Trailer/ Lorry.	Cu.	15,009.60	M <sup>3</sup>	5,299.00
2.24	Placing and packing 225 - 300mm /300 - 450mm rubble in slope of embankment, excluding haul but including rubble within 20 km by Tractor & Trailer/ Lorry.	Cu.	14,565.60	M <sup>3</sup>	5,142.00
<b>2.25</b>	<b>Additional for haul of material for rubble</b>				
	Note :-Additional for haul shall be maximum 150m.				
2.25.1	Additional for haul of materiel for rubble in each step of 30m.	Cu.	2,622.36	M <sup>3</sup>	926.00
2.25.2	Additional for haul of materiel for rubble in each step of 60m.	Cu.	5,244.72	M <sup>3</sup>	1,852.00
2.25.3	Additional for haul of materiel for rubble in each step of 90m.	Cu.	7,867.08	M <sup>3</sup>	2,778.00
2.25.4	Additional for haul of materiel for rubble in each step of 120m.	Cu.	10,489.44	M <sup>3</sup>	3,703.00
2.25.5	Additional for haul of materiel for rubble in each step of 150m.	Cu.	13,111.80	M <sup>3</sup>	4,629.00
2.26	225mm Thick rubble pitching in 1:5 cement & sand mtr. with 150 - 225mm rubble and lift 1.5m, haul 30m. (This rate shall be applicable for transport of cement, sand & rubble within 20 km by Tractor & Trailer/ Lorry)	Sqr.	44,941.28	Sqm	4,854.00
<b>2.30</b>	<b>Common Earth Excavation &amp; Waste by Mahinery</b>				
	Common earth excavation & spoil to waste or fill material cut up to 1.5 m, lift up to 1.5 m & remove outside the site by machinery (B - hoe) as directed by the Engineer.	Cu.	2,651.00	M <sup>3</sup>	936.00
<b>03</b>	<b>CANAL CLEARING AND DESILTING</b>				
3.1	Desilting in canals, spoil to waste or fill material cut up to 150mm depth, Spreading/ haul up to 30m. (Manual)	Sqr.	1,799.62	Sqm	195.00
3.2	Removal of water-hycinths and deposit as directed. (Manual)	Sqr.	642.72	Sqm	70.00
3.3	Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 600 - 900mm (Manual).	Sqr.	931.94	Sqm	101.00
3.4	Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 900mm (Manual).	Sqr.	1,606.80	Sqm	174.00

**RATES FOR IRRIGATION AND DRAINAGE WORKS -2025****PROVINCIAL IRRIGATION DEPARTMENT - WESTERN PROVINCE**

ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
<b>04</b>	<b><u>EARTH EXCAVATION IN CANAL BY MACHINERY.</u></b>				
	<b>Note</b> :-When <b>using</b> item <b>4.1, 4.2, 4.3, 4.4, 4.5, 4.6</b> , the above item <b>3.1, 3.2, 3.3 &amp; 3.4</b> should not included in BOQ.				
4.1	Earth excavation in canals/channels using machinery according to the given levels and side slopes and spreading excavated soil on bunds as directed. Unserviceable excavated earth should not be deposited on bunds. Fill material cut up to 1.5m, lift up to 1.5m, spreading 30m.	Cu.	<b>429.77</b>	M <sup>3</sup>	<b>152.00</b>
4.2	Earth excavation in canals/channels using machinery according to the given levels and side slopes and spreading excavated soil on bunds as directed. Unserviceable excavated earth should not be deposited on bunds. Fill material cut 1.5 - 3m lift up to 3m, spreading 30m. Machine transport will be paid seperately.	Cu.	<b>434.95</b>	M <sup>3</sup>	<b>154.00</b>
4.3	Earth excavation in canals/channels using machinery according to the given levels and side slopes and spreading excavated soil on bunds as directed. Unserviceable excavated earth should not be deposited on bunds. Fill material cut 3m - 4.5m lift up to 4.5m, spreading 30m.	Cu.	<b>454.99</b>	M <sup>3</sup>	<b>161.00</b>
4.4	Earth excavation in canals/channels using machinery according to the given levels and side slopes and spreading excavated soil on bunds as directed. Unserviceable excavated earth should not be deposited on bunds. Fill material cut 4.5 - 6m lift up to 4.5m, spreading 30m.	Cu.	<b>481.74</b>	M <sup>3</sup>	<b>170.00</b>
4.5	Earth excavation in canals/channels and side slopes using machinery and spreading excavated soil on bunds as directed. Unserviceable excavated earth should not be deposited on bunds. Cutting depth 300mm and spreading 30m. Machine transport will be paid seperately	Sqr.	<b>432.36</b>	Sqm	<b>47.00</b>
4.6	Earth excavation in canals or channels and side slopes Using backhoe with barge and spreading excavated soil on bunds as directed. Unserviceable excavated earth should not be deposited on bunds. Cutting depth 300mm and spreading 30m. Machine transport will be paid seperately	Sqr.	<b>574.00</b>	Sqm	<b>62.00</b>
<b>05</b>	<b>REINFORCEMENT</b>				
5.1	<b>Tor steel reinforcement</b> cutting , bending to shape laid in position and tied with 16 B.W.G. binding wire	cwt	<b>21,694.28</b>	Kg.	<b>427.00</b>
5.2	<b>Mild steel reinforcement</b> cutting , bending to shape laid in position and tied with 16 B.W.G. binding wire	cwt	<b>21,694.28</b>	Kg	<b>427.00</b>

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ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
5.3	Supplying and fixing <b>16 mm dia, 0.75m. M/S dowel</b> bending half round shape at one end and fixing the other end to the rock, including 0.3 m. boring holes with washing & cleaning immediately prior to fill grout and filling cement grout. (The bore hole size shall be between 1.25 to 1.5 times the diameter of the dowel bar.)	Lft.	<b>1,265.16</b>	Lm	<b>4,150.00</b>
<b>06</b>	<b>FORM WORK</b>				
6.1	Furnishing, making, fixing and removing formwork for sides of foundation using 25mm thick rubber planks, excluding transport (for 2 uses).	Sqr.	<b>11,887.08</b>	Sqm	<b>1,284.00</b>
6.2	Furnishing and making formwork using 25mm thick timber shuttering planks for each of two uses including fixing and removing same once, excluding transport.	Sqr.	<b>15,859.44</b>	Sqm	<b>1,713.00</b>
6.3	Furnishing and making formwork using 25mm thick timber shuttering planks for one use including fixing and removing , excluding transport.	Sqr.	<b>15,534.72</b>	Sqm	<b>1,678.00</b>
6.4	Furnishing and making formwork using 15mm thick plywood for each of 2 uses including fixing and removing, excluding transport.	Sqr.	<b>20,240.52</b>	Sqm	<b>2,186.00</b>
6.5	Timbering in foundation using 40mm thick timber planks, including necessary struts and props, Excluding transport (Close type) for 2 uses.	Sqr.	<b>22,210.83</b>	Sqm	<b>2,399.00</b>
<b>07</b>	<b>CONCRETE</b>				
7.1	1:3:6 (40mm) Concrete (Grade M 10) excluding formwork, excluding lift over 1.5m and excluding haul (either hand mixing or using mixture), including placing, compacting and curing. (The rate shall be applicable for transport of cement, sand & metal by Tractor & Trailer/ Lorry)	Cu.	<b>78,562.28</b>	M <sup>3</sup>	<b>27,733.00</b>
7.2	1:3:6 (25mm) Concrete (Grade M 10) excluding formwork, excluding lift over 1.5m and excluding haul (either hand mixing or using mixture), placing, compacting and curing. (The rate shall be applicable for transport of cement, sand & metal by Tractor & Trailer/ Lorry)	Cu.	<b>81,105.68</b>	M <sup>3</sup>	<b>28,631.00</b>
7.3	1:2:4 (19mm) Concrete (Grade M 15) excluding formwork, excluding lift over 1.5m and excluding haul (either hand mixing or using mixture), placing, compacting and curing. (The rate shall be applicable for transport of cement, sand & metal by Tractor & Trailer/ Lorry)	Cu.	<b>95,300.34</b>	M <sup>3</sup>	<b>33,641.00</b>
7.4	1:1.5:3 (19mm) Concrete (Grade M 20) excluding formwork, excluding lift over 1.5m and excluding haul (hand mixing or using mixture). (The rate shall be applicable for transport of cement, sand & metal by Tractor & Trailer/ Lorry)	Cu.	<b>101,369.55</b>	M <sup>3</sup>	<b>35,784.00</b>
7.5	Additional lift of concrete over 1.5m up to 3m.	Cu.	<b>4,253.34</b>	M <sup>3</sup>	<b>1,502.00</b>



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ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
<b>7.6</b>	<b>Additional for haul of materiel for concrete</b>				
	Note :-Additional for haul shall be maximum 150m.				
7.6.1	Additional for haul of materiel for concrete in each step of 30m.	Cu.	<b>4,125.42</b>	M <sup>3</sup>	<b>1,457.00</b>
7.6.2	Additional for haul of materiel for concrete in each step of 60m.	Cu.	<b>8,250.84</b>	M <sup>3</sup>	<b>2,913.00</b>
7.6.3	Additional for haul of materiel for concrete in each step of 90m.	Cu.	<b>12,376.26</b>	M <sup>3</sup>	<b>4,369.00</b>
7.6.4	Additional for haul of materiel for concrete in each step of 120m.	Cu.	<b>16,501.68</b>	M <sup>3</sup>	<b>5,825.00</b>
7.6.5	Additional for haul of materiel for concrete in each step of 150m.	Cu.	<b>20,627.10</b>	M <sup>3</sup>	<b>7,282.00</b>
<b>08</b>	<b>READY MIX CONCRETE</b>				
	Requirement for Ready mixed concrete				
	(i) Ready mix concrete is confirming to SLS 1144-1997.				
	(ii) Minimum cement content shall be 300 kg/m <sup>3</sup>				
	(iii) Nominal maximum size of aggregate shall be 20mm.				
	(iv) Slump shall be as per the mix design.				
	(v) Maximum temperature 300C				
	(vi) Maximum free water / cement ratio to be 0.5				
	(vii) Coarse and Fine aggregate used shall confirm to BS 882 latest version. Seive analysis reports within 6 months should be submitted for approval .				
	(viii) Concrete grade shall be as specified.				
	(ix) Concrete mix design shall be approved by the District Irrigation Engineer .				
	(x) The Ready mix supplier's plant should have been calibrated in the recent past.				
	(xi) Admixtures should be compatible with the cement and it should be confirmed by Admixture supplier and Cement supplier.				
	(xii) Testing				
	(xiii) Collection of samples for testing shall be at the point of placing. One sample per 5m <sup>3</sup>				
	Rate include the transport of 20km from batching plant				
8.1	Supplying Ready mix concrete of grade 15 (15 N/mm <sup>2</sup> to the site.			m <sup>3</sup>	<b>22,396.00</b>
8.2	Supplying Ready mix concrete of grade 20 (20 N/mm <sup>2</sup> to the site.			m <sup>3</sup>	<b>24,200.00</b>
8.3	Supplying Ready mix concrete of grade 25(25 N/mm <sup>2</sup> ) to the site.			m <sup>3</sup>	<b>25,300.00</b>

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ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
8.4	Supplying Ready mix concrete of grade 30(30 N/mm <sup>2</sup> ) to the site.			m <sup>3</sup>	26,125.00
8.5	Transport charges per Km per 5m <sup>3</sup> truck load for over and above 20 km.			Km/truck	360.00
8.6	Placing , levelling & compacting the pumpable concrete.			m <sup>3</sup>	480.00
8.7	Pumping charge for quantities up to 30 m <sup>3</sup> .			Item	44,500.00
8.8	For more than 30m <sup>3</sup> additional pumping charges. (Rate for every m <sup>3</sup> over and above 30m <sup>3</sup> )			m <sup>3</sup>	1,540.00
<b>09</b>	<b>RANDOM RUBBLE WORK</b>				
9.1	150 - 225mm Random Rubble Masonry in 1:5 ct. mt. ,(This rate shall be applicable for transport of cement, sand,& rubble Tractor & Trailer/ Lorry)	Cu.	62,529.69	M <sup>3</sup>	23,197.00
9.2	<b>Additional for haul of materiel for rubble masonry</b>				
	Note :-Additional for haul shall be maximum 150m.				
9.2.1	Additional for haul of materiel for rubble masonry in each step of 30m.	Cu.	3,741.66	M <sup>3</sup>	1,321.00
9.2.2	Additional for haul of materiel for rubble masonry in each step of 60m.	Cu.	7,483.32	M <sup>3</sup>	2,642.00
9.2.3	Additional for haul of materiel for rubble masonry in each step of 90m.	Cu.	11,224.98	M <sup>3</sup>	3,963.00
9.2.4	Additional for haul of materiel for rubble masonry in each step of 120m.	Cu.	14,966.64	M <sup>3</sup>	5,284.00
9.2.5	Additional for haul of materiel for rubble masonry in each step of 150m.	Cu.	18,708.30	M <sup>3</sup>	6,604.00
9.3	150 -225mm Random Rubble masonry in 1:5 ct.mr. lift 0 - 1.5m, rubble available at site .	Cu.	45,249.69	M <sup>3</sup>	15,974.00
9.4	150 - 225mm Random rubble pitch paving along bund. (This rate shall be applicable for transport of rubble Tractor & Trailer/ Lorry)	Sqr.	16,062.00	Sqm	1,735.00
9.5	150 - 225mm Random rubble pitch paving along bund , rubble available at site .	Sqr.	4,920.00	Sqm	532.00
<b>10</b>	<b>PLASTERING</b>				
10.1	12mm thick semi rough cement plastering 1:3 cement, sand mixture. (Transport of cement and sand by Tractor & Trailer/ Lorry).	Sqr.	12,499.02	M <sup>2</sup>	1,350.00
10.2	19mm thick semi rough cement plastering 1:3 cement, sand mixture. (Transport of cement and sand by Tractor & Trailer/ Lorry).	Sqr.	16,109.59	M <sup>2</sup>	1,740.00
<b>11</b>	<b>RCC HUME PIPES IN STRUCTURES (without Collars)</b>				
	<b>Note :-According to the site condition collar rate should be added seperately</b>				
11.1	Furnish, lay and joint 150mm dia. RCC Hume pipes, including trenching & backfill, excluding transport.	Lft.	1,988.12	Lm	6,521.00

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ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
11.2	Furnish, lay and joint 225mm dia. RCC Hume pipes, including trenching & backfill, excluding transport.	Lft.	2,420.42	Lm	7,939.00
11.3	Furnish, lay and joint 300mm dia. RCC Hume pipes, including trenching & backfill, excluding transport.	Lft.	2,141.62	Lm	7,025.00
11.4	Furnish, lay and joint 450mm dia. RCC Hume pipes, including trenching & backfill, excluding transport.	Lft.	3,601.47	Lm	11,813.00
11.5	Furnish, lay and joint 600mm dia. RCC Hume pipes, including trenching & backfill, excluding transport.	Lft.	5,466.29	Lm	17,930.00
11.6	Furnish, lay and joint 900mm dia. RCC Hume pipes, including trenching & backfill, excluding transport .	Lft.	8,346.59	Lm	27,377.00
11.7	Furnish, lay and joint 1200mm dia. RCC Hume pipes, including trenching & backfill, excluding transport .	Lft.	13,018.40	Lm	42,701.00
12	<b>Supplying R.C.C. Hume Pipe Collars</b>				
	<b>Note :-Putting concrete pad under collar rate shall be added seperately.</b>				
12.1	Supplying & fixing 225mm dia R.C.C. Hume pipe collars excluding transport, including with filling 1:3 cement sand motar between pipe and collar.	Nr.	1,951.00	Nr.	1,951.00
12.2	Supplying & fixing 300mm dia R.C.C. Hume pipe collars excluding transport, including with filling 1:3 cement sand motar between pipe and collar.	Nr.	2,428.00	Nr.	2,428.00
12.3	Supplying & fixing 450mm dia R.C.C. Hume pipe collars excluding transport, including with filling 1:3 cement sand motar between pipe and collar.	Nr.	2,926.00	Nr.	2,926.00
12.4	Supplying & fixing 600mm dia R.C.C. Hume pipe collars excluding transport, including with filling 1:3 cement sand motar between pipe and collar.	Nr.	3,706.00	Nr.	3,706.00
12.5	Supplying & fixing 900mm dia R.C.C. Hume pipe collars excluding transport, including with filling 1:3 cement sand motar between pipe and collar.	Nr.	4,861.00	Nr.	4,861.00
12.6	Supplying & fixing 1200mm dia R.C.C. Hume pipe collars excluding transport, including with filling 1:3 cement sand motar between pipe and collar.	Nr.	6,153.00	Nr.	6,153.00
13	<b>STOP PLANKS</b>				
13.1	Supplying & fixing 150 x 75mm stop planks in specified class timber (Kumbuk) including applying two coats of hot tar and fixing 2 Nrs. of M/S hooks made by 10mm dia. M/S bars with applying two coats of anticorrosive paint for the surfaces of hooks, excluding transport.	Cu.ft.	26,376.60	M <sup>3</sup>	931,094.00
13.2	Supplying & fixing 150 x75mm stop planks in specified class timber (Naa or Mee) including applying two coats of hot tar and fixing 2 Nrs. of M/S hooks made by 10mm dia. M/S bars with applying two coats of anticorrosive paint for the surfaces of hooks, excluding transport.	Cu.ft.	15,130.20	M <sup>3</sup>	534,096.00

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ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
13.3	Applying two coats of hot tar and fixing 2 Nos.of M/S hooks made by 10mm dia.M.S. bars with painting two coats of anticorrosive paint removing rust for the timber planks (150 x 75mm) provided by the department excluding transport.	Cu.ft.	4,930.20	M <sup>3</sup>	174,036.00
<b>14</b>	<b>MISCELLANEOUS</b>				
14.1	Furnishing 50mm brass padlock and handing over.	Nr.	1,800.00	Nr.	1,800.00
14.2	Furnishing, bending and fixing 50 x 5 mm flat iron and 10 mm. dia. M/S hooks or using flat iron hooks as a locking arrangement for anicut planks including removing rust and applying two coats of anticorrosive.	Lft.	426.00	Lm	1,398.00
14.3	Furnishing 25mm dia. 900mm long steel chain as a locking arrangement for the operating wheel .	Nr.	2,520.00	Nr.	2,520.00
14.4	Pumping water using 50mm dia. Water pump, (Wet basis with operator.) .	Per day	4,680.00	Per day	4,680.00
14.5	Coffer damming using sand with large size <b>polysack bags</b> including placing and removing .	Nr.	376.80	Nr.	377.00
14.6	Providing weep holes using 100mm dia. PVC pipes (Type 250) - (The distance shall not less than 2.4m in a row and use as Zig-Zag method.) including one side packing pebbles in soil as a filter.	Lft.	1,874.10	Lm	6,147.00
14.7	<b>Hire charges</b> for Tractor & Trailer (Wet Lease basis including operator) .	per day	11,470.04	per day	11,470.00
14.8	Making temporary shed (size 3m x 3m) during construction/ repairing period & removing.	Nr.	9,720.00	Nr.	9,720.00
14.9	Guard stone 150 x 300 x 300 mm with reinforcement	Nr.	3,290.00	Nr.	3,290.00
<b>15</b>	<b>Transport cost for haul earth / sand / gravel by Tractor &amp; Trailer including loading</b>				
15.1	Up to 1 Km.	Per Cu.	1,620.00	Per M <sup>3</sup>	572.00
15.2	Up to 2 Km.	Per Cu.	1,836.00	Per M <sup>3</sup>	649.00
15.3	Up to 3 Km.	Per Cu.	2,052.00	Per M <sup>3</sup>	725.00
15.4	Up to 4 Km.	Per Cu.	2,268.00	Per M <sup>3</sup>	801.00
15.5	Up to 5 Km.	Per Cu.	2,484.00	Per M <sup>3</sup>	877.00
15.6	Up to 6 Km.	Per Cu.	2,700.00	Per M <sup>3</sup>	954.00
15.7	Up to 8 Km.	Per Cu.	2,916.00	Per M <sup>3</sup>	1,030.00
15.8	Up to 9 Km.	Per Cu.	3,132.00	Per M <sup>3</sup>	1,106.00
15.9	Up to 10.00 Km.	Per Cu.	3,348.00	Per M <sup>3</sup>	1,182.00

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ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
<b>16</b>	<b>Making &amp; Fixing NAME BOARDS</b>				
16.1	Providing a Digital printing Name Board size (1200 x 900mm) for the project,the board shall 19x19mm box iron 1.2 mm thick frame and 12 x 12mm aluminium L - bar around the frame fixed with pop riverts with digital print stiker. Supplying 30mm dia. G.I. pipe 3.2 mm thick 3m in length and fixing one end to the board with 03 Nrs. of 6mm dia. 63mm long nut & bolts and other end concreting circular at the bottom to the ground as per detail plan including painting steel frame work and G.I. pipe with two coats of anticorrosive paint. ( Inclusive of transport.)	Nr.	<b>18,499.55</b>	Nr.	<b>18,500.00</b>
<b>17</b>	<b>Making, Supplying &amp; Fixing Steel gate</b>				
17.1	Making lifting steel gate using 75 x 75 x 6mm angle iron & 5 mm thick MS plate with 10 mm thick MS bracket as given detail plan No 1. of the steel gate and fixing to the anicut as directed (This rate for only four Nr.75 x 75 x 6mm angle iron for both ways as detail plan No 1 and not inclusive other necessary items), including removing rust and applying two coats of anticorrosive paint, excluding transport.	Sqft.	<b>4,282.60</b>	M <sup>2</sup>	<b>46,094.00</b>
17.2	Making lifting steel gate using 65 x 65 x 6mm angle iron & 5mm thick MS plate with 10 mm thick MS bracket as given detail plan No 2 of the steel gate and fixing to the anicut as directed (This rate for only four Nr.65 x 65 x 6mm angle iron for both ways as detail plan No 2 and not inclusive other necessary items.), including removing rust and applying two coats of anticorrosive paint and greasing to threading part of rod & bush, excluding transport.	Sqft.	<b>4,100.38</b>	M <sup>2</sup>	<b>44,133.00</b>
<b>18</b>	<b>Demolishing &amp; Clearing</b>				
18.1	<b>Demolishing reinforced cement concrete</b> removing reinforcement and Clearing or stacking.	Cu.	<b>25,615.20</b>	M <sup>3</sup>	<b>9,043.00</b>
18.2	<b>Demolishing cement concrete</b> and Clearing or stacking.	Cu.	<b>19,188.00</b>	M <sup>3</sup>	<b>6,774.00</b>
18.3	<b>Demolishing rubble masonry</b> in cement and sand,stacking rubble and Clearing debries away.	Cu.	<b>7,987.20</b>	M <sup>3</sup>	<b>2,820.00</b>
18.4	<b>Chipping cement plaster</b> and Clearing debries away.	Sqr.	<b>2,386.80</b>	M <sup>2</sup>	<b>258.00</b>

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ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
<b>19</b>	<b>TESTING CHARGES</b>				
	<i>1.The following laboratory test rates are applicable when it is necessary to direct additional testing over and above the minimum testing specified in the specifications.</i>				
	<i>2.Please note that no payment should be made for testing mentioned in specification.</i>				
	<i>3.When tests are carried out in the field, transport charges shall be added in addition to the testing charges.</i>				
<b>19.1</b>	<b>TESTING OF CONCRETE</b>				
19.1.1	Slump Test of Concrete	Per Test	<b>885.00</b>	Per Test	<b>885.00</b>
19.1.2	Casting of Concrete Cubes (3 Cubes)	Per Test	<b>2,058.00</b>	Per Test	<b>2,058.00</b>
19.1.3	Compressive Strength of Concrete Cubes	Per Test	<b>851.00</b>	Per Test	<b>851.00</b>
19.1.4	Rental for casting Mould (1 Mould)	Per Test	<b>281.00</b>	Per Test	<b>281.00</b>
<b>19.2</b>	<b>TESTING OF AGGREGATE</b>				
19.2.1	Particle Size Distribution (Sieve Analysis)	Per Test	<b>2,381.00</b>	Per Test	<b>2,381.00</b>
19.2.2	Field Density	Per Test	<b>2,944.00</b>	Per Test	<b>2,944.00</b>
19.2.3	Modified Compaction Test	Per Test	<b>6,174.00</b>	Per Test	<b>6,174.00</b>
19.2.4	Standard Compaction Test	Per Test	<b>5,900.00</b>	Per Test	<b>5,900.00</b>
<b>19.3</b>	<b>TESTING OF SOIL</b>				
19.3.1	Particle Size Distribution (Sieve Analysis)	Per Test	<b>2,388.00</b>	Per Test	<b>2,388.00</b>
19.3.2	Consistency Limit Test	Per Test	<b>3,629.00</b>	Per Test	<b>3,629.00</b>
19.3.3	Field Density	Per Test	<b>2,166.00</b>	Per Test	<b>2,166.00</b>
19.3.4	California Bearing Ratio (CBR)	Per Test	<b>4,968.00</b>	Per Test	<b>4,968.00</b>
19.3.5	Modified Compaction Test	Per Test	<b>4,684.00</b>	Per Test	<b>4,684.00</b>
19.3.6	Standard Compaction Test	Per Test	<b>4,440.00</b>	Per Test	<b>4,440.00</b>
<b>19.4</b>	<b>TESTING OF REINFORCEMENT</b>				
19.4.1	Rate for testing of T or-steel specimen of 1m length for mechanical properties at an approved laboratory	Per Sample	<b>3,990.00</b>	Per Sample	<b>3,990.00</b>
<b>19.5</b>	<b>TESTING OF TIMBER</b>				
19.5.1	Testing of a timber sample for identification from the Timber corporation laboratory.	Per Test	<b>2,520.00</b>	Per Test	<b>2,520.00</b>
	<i>When tests are carried out in the field, transport charges shall be added in addition to the testing charges.</i>				
19.6	Transport charges for testing			Per Km.	<b>48.00</b>

**RATES FOR IRRIGATION AND DRAINAGE WORKS -2025****PROVINCIAL IRRIGATION DEPARTMENT - WESTERN PROVINCE**

ITEM NO.	DESCRIPTION	IMPERIAL UNIT	IMPERIAL RATE 2025	METRIC UNIT	METRIC RATE 2025
<b>20</b>	<b>SURVEYING</b>				
20.1	Medium jungle clearing for surveying work, 1.2m wide.	Mile	<b>23,566.40</b>	Km	<b>37,919.00</b>
20.2	Light jungle clearing for surveying work, 1.2m wide.	Mile	<b>16,496.48</b>	Km	<b>26,543.00</b>
20.3	Chaining inclusive of cutting jungle pegs and pegging.	Mile	<b>4,334.00</b>	Km	<b>6,974.00</b>
20.4	Levelling every 30m, Establishing bench marks on rock or tree and checking back.	Mile	<b>8,837.40</b>	Km	<b>14,220.00</b>
20.5	<b>Surveying</b> including fixing angle pickets and taking angles .	Mile	<b>8,837.40</b>	Km	<b>14,220.00</b>
20.6	<b>Chaining traverse</b> line and taking off sets .	Mile	<b>11,783.20</b>	Km	<b>18,960.00</b>
20.7	Detail site surveys - breaches, spill site etc., including spot levels, chaining, pegging and establishing bench mark (120 x 120m)	Nr.	<b>29,458.00</b>	Nr.	<b>29,458.00</b>
20.8	Detail site surveys - breaches, spill site etc., including spot levels, chaining, pegging and establishing bench mark ( 60 x 60m)	Nr.	<b>7,364.50</b>	Nr.	<b>7,365.00</b>
20.9	Detail site surveys - breaches, spill site etc., including spot levels, chaining, pegging and establishing bench mark (30 x 30m)	Nr.	<b>1,841.13</b>	Nr.	<b>1,842.00</b>

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