IRRIGATION SCHEDULE OF RATES - 2016

ALL RATTES AIRE COMMON TO COLOMBO, GAMPAHA & KALUTAIRA DISTIRICTS



(Rates effective from 01.08.2016 until further notice.)

PROVINCIAL IRRIGATION DEPARTMENT

WESTERN - PROVINCE

IRRIGATION SCHEDULE OF RATES

General Notes

- This Irrigation Schedule of Rates (ISR) has effected date from 2016.08.01 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.
- 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.
- 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.
- 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.
- The rates given in this ISR valid for works carried out as per specification for Irrigation and Land Drainage issued by ICTAD.
- When it is necessary to convert from imperial to metric unit apply conversion factor as follows.

To convert rate per	To rate per	Multiply the
Cube	m^3	0.353
Square	m^2	0.108
Sq.ft.	m^2	10.763
L.ft.	m	3.280
Cwt.	Kg.	0.019

Units

To

convert Lit. to gal. multiply by 0.222 convert Miles to Km. multiply by 1.609 convert Kilo to pounds multiply by 2.205

<u>Steel</u>

Dia. mm	Dia. Inch	Normal weight (m/Kg.)
25	1	3.854
20	3/4	2.466
16	5/8	1.579
12	1/2	0.888
10	3/8	0.617
6	1/4	0.222

<u>Abbreviations</u>

Abbreviations used in this BOQ denotes the following.

Ft - Feet Lft. - Linear Feet Ft² - Square Feet Sqr. - Squares Sqft. - Square Feet Ft³ - Cubic Feet Cu. - Cube - Cubic Feet Cuft. - metre m Lm. - Linear metre m^2 Square metre Sqm. - Square metre m^3 ⁻ Cubic metre Cm. - Cubic metre mm. - milli metre - Centi metre

h. - hour

cm.

Kg.

BOQ Bill of Quantities

- Kilogramme

Ele. - Elevation

No. - Number (to indicate as item,page) Nr. - Number (to indicate as quantity) RCC Reinforced Cement Concrete

G.W.L. -Ground water level

Wk. - Week Mon. - Month dia. - Diameter c/c - Centre to centre

@ Each - Grade Gr.

Approx. - Approximately

Thk. Thick T.S. Tor steel Y/T Tor steel Т Tor steel M.S. -Mild steel R Mild steel G.L. - Ground Level L.day - Labour day

Un. day - Un skill Labour day

C.I. - Cast Iron W.I. - Wrought Iron F/W Form work R/F Reinforcement Rs. Rupees (Sri Lanka)

- Cents cts. mr. - Motar

ct.mr. - Cement motar T/T - Tractor Tailor Qtv. - Quantity - Length В - Breadth Н - Heigth

	PRICE LIST FOR ISR - 2016			
ITEM NO.	DESCRIPTION	UNIT	PRICE (excluding VAT)	
	MASONRY			
1	Cement - 50kg bags of "Sanstha", "Mahaweli Marine", "Ambuja", "L & T", "Nippon", "Ultra Tech" & "Singhe" (O.P.C. complying to S.L.S.107) (including around 20km transport with loading & unloading)	Nr.	808.70	
2	Rubble 6" x 9" (including around 20km transport with loading & unloading)	Cube	4500.00	
3	River Sand (including around 20km transport with loading & unloading)	Cube	11050.00	
4	Chips 1/2" (including around 20km transport with loading & unloading) Metal 3/4" (including around 20km transport with loading &	Cube	4750.00	
5	unloading)	Cube	6250.00	
6	Metal 1" (including around 20km transport with loading & unloading)	Cube	6000.00	
7	Metal 1 1/2" (including around 20km transport with loading & unloading)	Cube	5500.00	
8	Quary Dust (including around 20km transport with loading & unloading)	Cube	6000.00	
9	Aggregate Base Course (ABC)- graded 37.5 mm. (including around 20km transport with loading & unloading)	Cube	8875.00	
10	Drinking Water	Gal	0.50	
	STEEL			
11	Tor steel - (including transport)	kg	115.65	
12	Mild steel - (including transport)	kg	106.09	
13	Binding wire	lb	90.00	
14	25 x 25 x 5mm Angle iron	L.ft	50.00	
15	38 x 38 x 6mm Angle iron	L.ft	90.00	
16	50 x 50 x 6mm Angle iron	L.ft	125.00	
17	65 x 65 x 6mm Angle iron	L.ft	190.00	
18	75 x 75 x 6mm Angle iron	L.ft	220.00	
19	100 x 50 x 6mm Channel iron	L.ft	305.00	
20	125 x 65 x 6mm Channel iron	L.ft	445.00	
21	150 x 75 x 6mm Channel iron	L.ft	600.00	
22	Steel Wire nails 1"	lb	59.00	
23	Steel Wire nails 1 1/2"	lb	61.00	
24	Steel Wire nails 2"	lb	62.00	
25	Steel Wire nails 3"	lb	73.00	
26	Steel Wire nails 5"	lb	82.00	
27	3/8" dia. M.S bars	L.ft	25.00	
28	10mm thick M.S Plate	Sqft	670.00	
29	12mm thick M.S Plate	Sqft	835.00	
30	1" dia. Steel chain	L.ft	250.00	
31	2" x 1/4" Flat iron	L.ft	80.00	

32	20 x 6mm Flat iron	L.ft	25.00
33		L.ft	140.00
34	Medium duty GI Pipe - 1"dia. X 3.2mm. Thick Medium duty GI Pipe - 2"dia. X 3.6mm. Thick	L.ft	280.00
35	Medium duty GI Pipe - 2 dia. X 3.011111. Triick	L.ft	445.00
	· · · · · · · · · · · · · · · · · · ·		
36	Heavy duty G.I. Pipe - 1"dia x 4 mm thick	L.ft L.ft	160.00
37 38	Heavy duty G.I. Pipe - 1 1/2"dia x 4mm thick Heavy duty G.I. Pipe - 2"dia x 4.5 mm thick	L.It L.ft	260.00 340.00
39	Heavy duty G.I. Pipe - 2 1/2"dia x 4.5mm thick	L.ft	445.00
40	Box iron (3/4" x 3/4") heavy duty 1.2mm	L.ft	50.00
41	Pop rivert	Nr.	1.50
42	1/4" dia. 2 1/2" long nut & bolt	Nr.	12.00
43	Heavy duty G.I. Pipe - 3"dia. X 4 mm. thick	L.ft	445.00
	HUME PIPE (R.C.C)		
44	04" Dia. X 8'-0"	Nr.	2850.00
45	06" Dia. X 8'-0"	Nr.	3050.00
	06" Dia. X 4'-0"	Nr.	1500.00
46	09" Dia. X 8'-0"	Nr.	3660.00
	09" Dia. X 4'-0"	Nr.	1860.00
47	12" Dia. X 8'-0"	Nr.	4200.00
	12" Dia. X 4'-0"	Nr.	2130.00
48	15" Dia. X 8'-0"	Nr.	4650.00
	15" Dia. X 4'-0"	Nr.	2310.00
49	18" Dia. X 8'-0"	Nr.	5100.00
	18" Dia. X 4'-0"	Nr.	2625.00
50	24" Dia. X 8'-0"	Nr.	7350.00
	24" Dia. X 4'-0"	Nr.	3750.00
51	30" Dia. X 8'-0"	Nr.	11400.00
	30" Dia. X 4'-0"	Nr.	6000.00
52	36" Dia. X 8'-0"	Nr.	14100.00
	36" Dia. X 4'-0"	Nr.	7350.00
53	42" Dia. X 8'-0"	Nr.	20400.00
	42" Dia. X 4'-0"	Nr.	10500.00
54	48" Dia. X 8'-0"	Nr.	25800.00
	48" Dia. X 8'-0"	Nr.	13200.00
	HUME PIPE COLLARS (R.C.C)		
55	06" Dia.	Nr.	420.00
56	09" Dia.	Nr.	420.00
57	12" Dia.	Nr.	450.00
58	15" Dia.	Nr.	510.00
59	18" Dia.	Nr.	600.00
60	24" Dia.	Nr.	780.00
61	30" Dia.	Nr.	870.00
62	36" Dia.	Nr.	1050.00
63	42" Dia.	Nr.	1230.00
64	48" Dia.	Nr.	1770.00
	<u>Timber</u>		
65	Specified timber "Kumbuk"	Cuft	7652.22
66	Specified timber " Naa, Mee"	Cuft	2135.00

67	Plywood ordinary 12mm thick	Sqft	75.00
68	Plywood ordinary 15mm thick Plywood ordinary 15mm thick	Sqft	90.00
69	Rubber planks - 3/4" thick	Sqft	33.00
70	Rubber planks - 1" thick	Sqft	30.00
71	Rubber planks - 1 1/2" thick	Sqft	60.00
72	Timber 2" x 1" Class II - for shuttering	L.ft	13.00
73	Timber 2" x 2" Class II - for shuttering	L.ft	30.00
74	Timber 4" x 2" Class II - for shuttering	L.ft	65.00
, ,	MISCELLANEOUS	2	03.00
75	Bitumen	Gal	755.00
76	Brass padlock (2")	Nr.	850.00
77	PVC Pipe 4" dia. (type 250)	L.ft	101.00
78	Polysack Bags (filling 65kg capacity) with transport	Nr.	29.50
79	Anticorrosive paint	1Lt.	745.00
80	Enamal paint	1Lt.	930.00
81	Wood preservative	Gal.	1200.00
82	Turf	Sqft	450.00
83	Digital print (stiker type)	Sqft	85.00
84	Paint Brush 1"	Nr.	180.00
85	Paint Brush 1 1/2"	Nr.	225.00
86	Paint Brush 2"	Nr.	305.00
87	Paint Brush 3"	Nr.	460.00
88	Paint Brush 4"	Nr.	660.00
89	Paint Brush 6"	Nr.	865.00
90	Sand paper	Nr.	20.00
91	Grease	Kg.	842.80
	<u>PLANT</u>		
92	Water pump (with necessary items)	Per Day	2400.00
93	Tractor & Tailer	Per Day	5000.00
94	Hydrolic Backhoe excavator (1Cu.yd) (output 102.2Cubes/ 8 hours)	Per Hour	3500.00
	Hydrolic Backhoe excavator (1Cu.yd) (output 102.2Cubes/ 8		
95	hours) with barge PC 100-PC 40	Per Hour	4950.00
96	Concrete mixer with operator & fuel /(8 hour day)	Per Day	5000.00
97	Vibrator / (8 hour day)	Per Day	3500.00
98	Welding Plant / (8 hour day)	Per Day	1000.00
	<u>VEHICLE TRANSPORT</u>		
99	Low bed tailer (first 15km)	Each	9500.00
100	Additiona 1km	Each	220.00
	<u>LABOUR</u>		
101	Skill Labour - (Carpenter, mason, bar bender etc.)/ 8 hours	Per Day	1,557.00
102	Semi skill Labour / 8 hours	Per Day	1,460.00
103	Unskill Labour / 8 hours	Per Day	1,340.00
	CAST IRON SLUICE GATES & COMPONENTS		
104	CAST IRON SLUICE GATES & COMPONENTS 3" (75 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	13425.00
104 105		Nr.	
	3" (75 mm.) dia. Cast iron sluice gate complete with fitting		13425.00
105	3" (75 mm.) dia. Cast iron sluice gate complete with fitting 4" (75 mm.) dia. Cast iron sluice gate complete with fitting 6" (75 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	13425.00 15765.00
105 106	3" (75 mm.) dia. Cast iron sluice gate complete with fitting 4" (75 mm.) dia. Cast iron sluice gate complete with fitting	Nr. Nr.	13425.00 13425.00 15765.00 24438.00 28600.00

110	18" (75 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	52785.00
111	24" (75 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	72490.00
112	30" (75 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	135253.00
113	36" (75 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	157137.00
114	40" (75 mm.) dia. Cast iron sluice gate complete with fitting	Nr.	235871.00
	CAST IRON SLUICE GATE SPARES		
115	C.I. Housing & Base Plate - 3/4"	Nr.	1600.00
116	C.I. Housing & Base Plate - 1"	Nr.	1600.00
117	C.I. Housing & Base Plate - 1 1/4"	Nr.	2160.00
118	C.I. Housing & Base Plate - 1 1/2"	Nr.	3370.00
119	C.I. Housing & Base Plate - 2"	Nr.	3800.00
120	C.I. Housing & Base Plate - 2 1/2"	Nr.	5020.00
	,		
121	Pin Type L Device (without padlock) - 3/4"	Nr.	465.00
122	Pin Type L Device (without padlock) - 1"	Nr.	465.00
123	Pin Type L Device (without padlock) - 1 1/4"	Nr.	480.00
124	Pin Type L Device (without padlock) - 1 1/2"	Nr.	570.00
125	Pin Type L Device (without padlock) - 2"	Nr.	660.00
126	Pin Type L Device (without padlock) - 2 1/2"	Nr.	1200.00
127	Plate Type L Device (without padlock) - 3/4"	Nr.	960.00
128	Plate Type L Device (without padlock) - 1"	Nr.	960.00
129	Plate Type L Device (without padlock) - 1 1/4"	Nr.	990.00
130	Plate Type L Device (without padlock) - 1 1/2"	Nr.	1150.00
131	Plate Type L Device (without padlock) - 2"	Nr.	1550.00
132	Plate Type L Device (without padlock) - 2 1/2"	Nr.	2450.00
133	Brass Nut 04 T.P.I- 3/4"	Nr.	4080.00
134	Brass Nut 04 T.P.I - 1"	Nr.	4080.00
135	Brass Nut 04 T.P.I- 1 1/4"	Nr.	4790.00
136	Brass Nut 04 T.P.I - 1 1/2"	Nr.	6420.00
137	Brass Nut 04 T.P.I - 2"	Nr.	9530.00
138	Brass Nut 04 T.P.I - 2 1/2"	Nr.	12080.00
139	Brass Nut 02 T.P.I - 2"	Nr.	9530.00
140	Brass Nut 02 T.P.I - 2 1/2"	Nr.	12080.00
141	Steel Spindle - 3/4"	L.ft	560.00
142	Steel Spindle - 1"	L.ft	560.00
143	Steel Spindle - 1 1/4"	L.ft	970.00
144	Steel Spindle - 1 1/2"	L.ft	1341.00
145	Steel Spindle - 2"	L.ft	1600.00
146	Steel Spindle - 2 1/2"	L.ft	3025.00
147	Spindle Bush Welding - 3/4"	Nr.	245.00
148	Spindle Bush Welding - 1"	Nr.	245.00
149	Spindle Bush Welding - 1 1/4"	Nr.	265.00
150	Spindle Bush Welding- 1 1/2"	Nr.	310.00
151	Spindle Bush Welding - 2"	Nr.	685.00
152	Spindle Bush Welding - 2 1/2"	Nr.	900.00

153	Threading 04 T.P.I 3/4"	L.ft	170.00
154	Threading 04 T.P.I 1"	L.ft	170.00
155	Threading 04 T.P.I 1 1/4"	L.ft	230.00
156	Threading 04 T.P.I 1 1/2"	L.ft	320.00
157	Threading - 04 T.P.I 2"	L.ft	765.00
158	Threading - 04 T.P.I 2 1/2"	L.ft	900.00
159	Threading - 02 T.P.I 2"	L.ft	765.00
160	Threading - 02 T.P.I 2 1/2"	L.ft	900.00
161	Steel Operating wheel 16" φ for- 3/4"	Nr.	2970.00
162	Steel Operating wheel 16" ϕ for-1"	Nr.	2970.00
163	Steel Operating wheel 18" ϕ for- 1 1/4"	Nr.	2970.00
164	Steel Operating wheel 18" ϕ for- 1 1/2"	Nr.	3470.00
165	Steel Operating wheel 20" ϕ for - 2"	Nr.	3890.00
166	Steel Operating wheel 16" ϕ for- 2 1/2"	Nr.	4810.00
	STEEL RAG BOLT SIZES		1010.00
167	Steel Rag Bolt 3/4" φ - 1/2" x 8"	Nr.	165.00
168	Steel Rag Bolt - 1"	Nr.	141.00
169	Steel Rag Bolt - 1 1/4" φ - 5/8"x 9"	Nr.	240.00
	Steel Rag Bolt - 1 1/2"	Nr.	178.00
	Steel Rag Bolt - 2" ϕ - 3/4" x 9"	Nr.	330.00
172	Steel Rag Bolt - 2 1/2" φ - 3/4" x 6"	Nr.	420.00
	STEEL RAG BOLT H. STOCK SIZES		
173	Steel Rag Bolt H. Stock - 1/2" x 6"	Nr.	125.00
174	Steel Rag Bolt H. Stock - 5/8" x 6"	Nr.	145.00
175	Steel Rag Bolt H. Stock - 3/4" x 6"	Nr.	225.00
	STEEL BOLTS & NUT SIZES		
176	Steel Bolts & Nuts - 2" x 1/2"	Nr.	40.00
177	Steel Bolts & Nuts - 2 1/2" x 1/2"	Nr.	45.00
178	Steel Bolts & Nuts - 3" x 1/2"	Nr.	50.00
	STEEL WASHERS SIZES		
179	Steel Washers - 1/2"	Nr.	6.00
180	Steel Washers - 5/8"	Nr.	8.00
181	Steel Washers - 3/4"	Nr.	12.00
	BLASTING MATERIALS		
181	Steel jumper	Kg.	189.80
182	Fuse wire	L.m.	39.80
183	Blasting powder	Kg.	609.40
184	Dyna cord	L.m.	78.70
185	Gelignite	Kg.	515.60
186	Ordinary Detonator	Nr.	15.00
187	Electrict Detonator	Nr.	121.90
188	Amonium Nitrate	Kg.	134.40

RATES FOR IRRIGATION AND DRAINAGE WORKS -2016

PROVINCIAL IRRIGATION DEPARTMENT - WESTERN PROVINCE

ITEM NO.	DESCRIPTION	UNIT	RATE 2016
01	CLEARING AND GRUBBING		
1.1	Light jungle clearing along channel trace Including removing outside reservation and burning (up to 12" girth).		
		Ac.	55,717.00
1.2	Medium jungle clearing along channel trace Including removing outside reservation and burning (up to 12" girth) .		
			83,576.00
1.3	Secondary growth jungle clearing along channel trace, including removing out side reservation and burning.	Ac.	27,859.00
02	EARTH WORK		
2.1			
	Manual earth Excavation and spoil to waste or fill material,		
	cutting and lift 0'-5', spreading 100' along the bund.	Cu.	2,927.00
2.2	Manual earth excavation in canals and forming canal bunds cutting and lift 0'- 5', spreading 100'.	Cu.	3,293.00
2.3	Manual Earth excavation in canals and forming bunds, cut		
	and lift 0'-5', spread upto 100' / Cu	Cu.	3,659.00
2.4	Manual earth excavation from borrow and forming bunds ,		
	cutting and lift 0' - 5', spreading 100'.	Cu.	4,391.00
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 5' and lift 0' - 5', spreading 100'.	Cu.	4,025.00
2.6	Manual earth excavation, additional to cut and lift over 5' up		,
	to 10', spreading 100' along the bund.	Cu.	2,538.00
2.7	Manual earth excavation, additional to cut and lift over 10'		
	up to 15', spreading 100' along the bund.	Cu.	2,752.00
2.8	Manual gravel excavation and spoil to waste or fill material		
	, cutting and lift 0' - 5', spreading 100'.	Cu.	4,846.00
2.9	Manual soft rock excavation and spoil to waste or fill		
	material, cutting and lift 0' - 5', spreading 100'.	Cu.	7,483.00
2.10	Approved hard Earth spreading , levelling watering and		
	manual compaction, using standered cast iron stamper or		
	equivalent and filling in 6" thick layers (loose volume) in		
	earth available at site.	Cu.	2,484.00
2.11	Approved earth supplying within 20 Km from the source	_	
	and piled at site (measured at piled volume)	Cu.	3,400.00
2.12	Manual haul earth/ Gravel/ soft rock, haul 100' in each step		
2.42	up to max. of 300'.	Cu.	902.00
2.13	Manual Stripping top soil up to 3" depth, haul up to 100'.	Ce:-	4 000 00
		Sqr.	1,099.00

2.14 Manual Scraping top vegetation , haul up to 100'. 2.15 Manual Forming puddle core wall, including compacting (Maudiling) of puddle and solid mass including cutting clav. excluding transport. 2.16 Manual Placing and compacting earth in canal/ backfill including watering , including picking roots & spreading. 2.17 Furnishing , Planting and Watering turf (Full turfing), excluding haul. 2.18 Furnishing , Planting and Watering turf (Strip turfing), excluding haul. 2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 km. by T-17 Lorry. 2.20 Placing and Packing 9"-12"/12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 km. by T-17 Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 km. by T-7 Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/haul up to 100'. (Manual) 3A.2 CANAL CLEARING AND DESILTING 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3B.1 EARTH EXCAVATION IN CANAL BY MACHINERY. EARTH EXCAVATION IN CANAL BY MACHINERY. EARTH EXCAVATION IN CANAL BY MACHINERY. Earth excavation in canals/channels using machinery according to the given levels and side slopes and spreading excavated earth should not be deposited on bunds. Fill material cut up to 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOQ.)Machine transport will be paid seperately) Cu.				
(Maudling) of puddle and solid mass including cutting clay: excluding transport. 2.16 Manual Placing and compacting earth in canal/ backfill including watering, including picking roots & spreading. 2.17 Furnishing , Planting and Watering turf (Full turfing), excluding haul. 2.18 Furnishing , Planting and Watering turf (Strip turfing), excluding haul. 2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 Km. by 1-7/ Lorry. 2.20 Placing and Packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by 1-7/ Lorry. 2.19 Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100". (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by 7-7/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100". (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2"-3" (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2"-3" (Manual) 3B.1 Earth excavation in canals/channels using machinery according to the given levels and side slopes and spreading excavated seir on bunds. Sill material cut up to 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid senserately.	2.14	Manual Scraping top vegetation, haul up to 100'.	Sqr.	164.00
excluding transport. 2.16 Manual Placing and compacting earth in canal/ backfill including watering, including picking roots & spreading. 2.17 Furnishing , Planting and Watering turf (Full turfing), excluding haul. 2.18 Furnishing , Planting and Watering turf (Strip turfing), excluding haul. 2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100". (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100". (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B.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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be naid sengreately.	2.15	Manual Forming puddle core wall, including compacting		
2.16 Manual Placing and compacting earth in canal/ backfill including watering , including picking roots & spreading. Cu. 977.00 2.17 Furnishing , Planting and Watering turf (Full turfing), excluding haul. 2.18 Furnishing , Planting and Watering turf (Strip turfing), excluding haul. 2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.219 "Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 5A.7 EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.1 Earth excavation in canals/channels using machinery according to the given levels and side slopes and spreading excavated earth should not be deposited on bunds. Fill material cut up to 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be naid sengerately.		(Maudling) of puddle and solid mass including cutting clay.		
including watering , including picking roots & spreading. 2.17 Furnishing , Planting and Watering turf (Full turfing), excluding haul. 2.18 Furnishing , Planting and Watering turf (Strip turfing), excluding haul. 2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100". (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3.A CANAL CLEARING AND DESILTING 3.A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100". (Manual) 3.A.2 Removal of water-hycinths and deposit as directed. (Manual) 3.A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3.A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3.A.5 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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3.A.4 should not included in BOO Machine transport will be paid separately)		excluding transport.	Cu.	9,841.00
2.17 Furnishing , Planting and Watering turf (Full turfing), excluding haul. 2.18 Furnishing , Planting and Watering turf (Strip turfing), excluding haul. 2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100". (This rate shall be applicable for transport of cement, sand & rubble within 20 km. by T-T/ Lorry) 3.10 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100". (Manual) 3.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100". (Manual) 3.1 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2"-3" (Manual) 3.1 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2"-3" (Manual) 3.1 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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in 800 Machine transport will be paid separately)	2.16	Manual Placing and compacting earth in canal/ backfill		
2.17 Furnishing , Planting and Watering turf (Full turfing), excluding haul. Sqr. 1,660.00 2.18 Furnishing , Planting and Watering turf (Strip turfing), excluding haul. Sqr. 830.00 2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 Km. by T-T/ Lorry. Cu. 6,873.00 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. Cu. 6,883.00 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100". (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) Sq. 20,159.00 3A CANAL CLEARING AND DESILTING 3A.1 Desitting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100". (Manual) Sqr. 927.00 3A.2 Removal of water-hycinths and deposit as directed. (Manual) Sqr. 331.00 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2"-3" (Manual) Sqr. 480.00 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3" (Manual) Sqr. 480.00 3B.1 Earth EXCAVATION IN CANAL BY MACHINERY. 3B.1 Earth excavation in canals/channels using machinery according to the given levels and side slopes and spreading excavated earth should not be deposited on bunds. Fill material cut up to 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in 800 Machine transport will be paid separately)		including watering , including picking roots & spreading.		
excluding haul. 2.18 Furnishing , Planting and Watering turf (Strip turfing), excluding haul. 2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100". (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100". (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in ROO Machine transport will be paid seperately)			Cu.	977.00
2.18 Furnishing , Planting and Watering turf (Strip turfing), excluding haul. 2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 km. by T-T/ Lorry. 2.19 Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3A.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 up to 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in ROO Machine transport will be naid seperately)	2.17	Furnishing , Planting and Watering turf (Full turfing),		
excluding haul. 2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 5qr. 480.00 3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO) Machine transport will be paid spencrately)		excluding haul.	Sqr.	1,660.00
2.19 Placing and Packing 6" - 9" / 9" - 12" rubble in slope of embankment , excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100". (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100". (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2' - 3" (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3" (Manual) 3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO) Machine transport will be paid seperately)	2.18	Furnishing, Planting and Watering turf (Strip turfing),		
embankment , excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO) Machine transport will be paid seperately)		excluding haul.	Sqr.	830.00
Km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B EARTH EXCAVATION IN CANAL BY MACHINERY. 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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)	2.19	Placing and Packing 6" - 9" / 9" - 12" rubble in slope of	-	
Km. by T-T/ Lorry. 2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B EARTH EXCAVATION IN CANAL BY MACHINERY. 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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)		embankment, excluding haul but including rubble within 20		
2.20 Placing and packing 9"-12" /12"-18" rubble in slope of embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B EARTH EXCAVATION IN CANAL BY MACHINERY. 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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)			Cu.	6,873.00
embankment, excluding haul but including rubble within 20 Km. by T-T/ Lorry. 2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B.1 Earth EXCAVATION IN CANAL BY MACHINERY. 2B.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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)	2.20	Placing and packing 9"-12" /12"-18" rubble in slope of		
2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B.1 EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)				
2.21 9" Thick rubble pitching in 1:5 cement & sand mr. with 6"-9" rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B.1 EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)		Km. by T-T/ Lorry.	Cu.	6,683.00
rubble and lift 5'-0", haul 100'. (This rate shall be applicable for transport of cement, sand & rubble within 20 Km. by T-T/Lorry) 3A. CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B. EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)	2.21			
for transport of cement, sand & rubble within 20 Km. by T-T/ Lorry) 3A. CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2' - 3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) Sqr. 480.00 3B. EARTH EXCAVATION IN CANAL BY MACHINERY. Sqr. 828.00 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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO (Machine transport will be paid seperately)		rubble and lift 5'-0", haul 100'. (This rate shall be applicable		
Lorry) 3A CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning, height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning, height over 3' (Manual) 3B.1 EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO)Machine transport will be paid senerately)		, , , , , , , , , , , , , , , , , , , ,		
3A. CANAL CLEARING AND DESILTING 3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100". (Manual) Sqr. 927.00 3A.2 Removal of water-hycinths and deposit as directed. (Manual) Sqr. 331.00 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2' - 3' (Manual) Sqr. 480.00 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) Sqr. 828.00 3B.1 EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid senerately)		, ,	Sq.	20,159.00
3A.1 Desilting in canals, spoil to waste or fill material cut up to 6" depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2'-3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B.1 EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in ROO (Machine transport will be paid senerately)	3A	 	·	·
depth, Spreading/ haul up to 100'. (Manual) 3A.2 Removal of water-hycinths and deposit as directed. (Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2' - 3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) 3B.1 EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)				
3A.2 Removal of water-hycinths and deposit as directed. (Manual) Sqr. 331.00 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2' - 3' (Manual) Sqr. 480.00 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) Sqr. 828.00 3B.1 EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO)Machine transport will be paid separately)	JA.1		Sar	927 00
(Manual) 3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2' - 3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) Sqr. 480.00 3B.1 EARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO)Machine transport will be paid seperately)	3/12		Jq1.	327.00
3A.3 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height 2' - 3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) Sqr. 828.00 BARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid separately)	JA.2		Sar	331 00
including removing out side reservation and burning , height 2' - 3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) Sqr. 828.00 BARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO (Machine transport will be paid seperately)	2 / 2	•		331.00
2' - 3' (Manual) 3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) Sqr. 828.00 BEARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft. spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO)Machine transport will be paid seperately)	JA.3			
3A.4 Uprooting shrub jungle in canals and / or canal reservations including removing out side reservation and burning , height over 3' (Manual) Sqr. 828.00 BARTH EXCAVATION IN CANAL BY MACHINERY. 3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO)Machine transport will be paid separately)			Sar	480.00
including removing out side reservation and burning , height over 3' (Manual) Sqr. 828.00 EARTH EXCAVATION IN CANAL BY MACHINERY. Barth 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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid separately)	2 / /		341.	480.00
over 3' (Manual) Sqr. 828.00 EARTH EXCAVATION IN CANAL BY MACHINERY. Barth 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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO (Machine transport will be paid seperately)	3A.4	1.		
BEARTH EXCAVATION IN CANAL BY MACHINERY. Barth 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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)			Sar	929 00
3B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO)Machine transport will be paid seperately)		 	Jqi.	828.00
B.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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)	3B	_		
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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO)Machine transport will be paid seperately)		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 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO Machine transport will be paid seperately)	3B.1	Farth excavation in canals/channels using machinery		
excavated soil on bunds as directed. Unserviceable excavated earth should not be deposited on bunds. Fill material cut up to 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO)Machine transport will be paid seperately)				
earth should not be deposited on bunds. Fill material cut up to 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in BOO)Machine transport will be paid seperately)				
to 5 ft. lift up to 5 ft.spreading 100 ft. (When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not included in				369 00
items 3A.1,3A.2,3A.3 & 3A.4 should not included in		·		303.00
BOO)Machine transport will be paid seperately)				
Cu.				
		bod. Jividellille transport will be paid seperately)	Cu.	

3B.2	Earth excavation in canals/channels using machinery		
	according to the given levels and side slopes and spreading		
	excavated soil on bunds as directed. Unserviciable excavted		
	earth should not be depositted on bunds. Fill material cut 5' -		
	10'. lift up to 10ft.spreading 100 ft. (When using this item,		
	items 3A.1,3A.2,3A.3 & 3A.4 should not included in		
	BOQ.)Machine transport will be paid seperately		
	para seperatery	Cu.	378.00
3B.3	Earth excavation in canals/channels using machinery		
	according to the given levels and side slopes and spreading		
	excavated soil on bunds as directed. Unserviciable excavted		
	earth should not be depositted on bunds. Fill material cut 10' -		
	15'. lift up to 15ft.spreading 100 ft. (When using this item,		
	items 3A.1,3A.2,3A.3 & 3A.4 should not included in		
	BOQ.)Machine transport will be paid seperately		
	bog.//wachine transport will be paid seperately	Cu.	386.00
3B.4	Earth excavation in canals/channels using machinery	20.1	333,33
	according to the given levels and side slopes and spreading		
	excavated soil on bunds as directed. Unserviciable excavted		
	earth should not be deposited on bunds. Fill material cut 15' -		
	20'. lift up to 15ft.spreading 100 ft.(When using this item,		
	items 3A.1,3A.2,3A.3 & 3A.4 should not included in		
	BOQ.)Machine transport will be paid seperately		
	bod. Jiviaciline transport will be paid seperately	Cu.	395.00
3B.5		- Cu.	333.00
33.3	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 1'-0" and spreading 100'.(
	When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not		
	included in BOQ.)Machine transport will be paid seperately	Sqr.	369.00
3B.6	Earth excavation in canals or channels and side slopes Using	341.	309.00
36.0	backhoe with barge and spreading excavated soil on bunds		
	as directed. Unserviceable excavated earth should not be		
	deposited on bunds. Cutting depth 1'-0" and spreading 100'.(
	When using this item, items 3A.1,3A.2,3A.3 & 3A.4 should not		
	included in BOQ.)Machine transport will be paid seperately	6	
		Sqr.	547.00
04	REINFORCEMENT		
4.1	Tor steel reinforcement cutting , bending to shape laid in position and tied with 16 B.W.G. binding wire	Kg	229.00
4.2	Mild steel reinforcement cutting , bending to shape laid in		223.00
4.2	1		316.00
4.2	position and tied with 16 B.W.G. binding wire	Kg	216.00
4.3	Supplying and fixing 16 mm dia, M/S dowel bending half		
	round shape at one end and fixing the other end to the rock,		
	including boring hole with filling cement grout	1.6.	
		Lft.	576.00

05	FORM WORK		
5.1	Furnishing, making, fixing and removing formwork for sides		
	of foundation using 3/4" thick rubber planks, excluding		
	transport (for 2 users)	Sqr.	5,473.00
5.2	Furnishing and making formwork using 3/4" thick timber		
	shuttering planks for each of two uses including fixing and		
	removing same once, excluding transport	Sqr.	13,441.00
5.3	Furnishing and making formwork using 3/4" thick timber		
	shuttering planks for one use including fixing and removing,		
	excluding transport	Sqr.	16,401.00
5.4	Furnishing and making formwork using 15 mm thick ply		
	wood for each of 2 uses including fixing and removing,		
	excluding transport	Sqr.	18,554.00
5.5	Timbering in foundation using 1 1/2" thick timber planks,		
	including necessary struts and props, Excluding transport	Com	14 125 00
0.0	(Close type)	Sqr.	14,125.00
06	CONCRETE		
	1:4:8 (1 1/2") Concrete excluding formwork, excluding		
	lift over 5' and excluding haul (hand mixing) , (The rate		
	shall be applicable for transport of cement, sand &		
	metal within 20 Km by T.T/Lorry)	Cu.	43,866.00
	1:3:6 (1 1/2") Concrete excluding formwork, excluding		
	lift over 5' and excluding haul (hand mixing), (The rate		
	shall be applicable for transport of cement, sand &		
	metal within 20Km by T-T/Lorry)	Cu.	44,809.00
6.3	1:3:6 (1 1/2") Concrete excluding formwork, excluding		
	lift over 5' and excluding haul <u>using</u> <u>concrete</u> <u>mixer</u>)		
	(The rate shall be applicable for transport of cement,		
	sand & metal within 20Km by T-T/Lorry)		
		Cu.	34,759.00
6.4	1:3:6 (1") Concrete excluding formwork, excluding lift		
	over 5' and excluding haul (hand mixing), (The rate shall		
	be applicable for transport of cement, sand & metal		
	within 16Km by T-T/Lorry)	Cu.	45,463.00
6.5	1:3:6 (1 ") Concrete excluding formwork, excluding lift		
	over 5' and excluding haul <u>using concrete</u> <u>mixer</u>), (The		
	rate shall be applicable for transport of cement, sand &		
	metal within 20Km by T-T/Lorry)	Cu.	35,413.00
6.6	1:2:4 (3/4") Concrete excluding formwork, excluding lift		
	over 5' and excluding haul (hand mixing), (The rate shall		
	be applicable for transport of cement, sand & metal		
	within 20Km by T-T/Lorry)	Cu.	49,126.00
6.7	1:1.5:3 (3/4") Concrete excluding formwork, excluding		
	lift over 5' and excluding haul (hand mixing), (The rate		
	shall be applicable for transport of cement, sand &		
	metal within 20Km by T-T/Lorry)	Cu.	52,936.00

6.8 Additional lift of concrete over 5' up to 10'	Cu.	2,192.00
6.9 Additional for haul of materiel for concrete in each step		
of 100', (maximum 300')	Cu.	2,126.0
07 RANDOM RUBBLE WORK		-
7.1 6"-9" Random rubble masonry in 1:5 ct. mt. ,(This rate shall		
be applicable for transport of cement, sand,& rubble within		
20km T-T/Lorry)	Cu.	28,264.0
7.2 Additional for haul of materiel for rubble masonry in each	cu.	20,204.0
step of 100', (max = 300')	Cu.	2,183.0
7.3 6"-9" Random Rubble masonry in 1:5 ct.mr. lift 0' - 5' , rubble	cu.	2,103.0
available at site .	Cu.	20,974.0
08 PLASTERING	cu.	20,37 4.0
8.1 1/2" thick semi rough cement plastering 1:3 cement, sand		
mixture, (transport of cement and sand within 20km T-		
T/Lorry).	Sqr.	5,492.0
8.2 3/4" thick semi rough cement plastering 1:3 cement, sand		
mixture, (transport of cement and sand within 20km T-	_	
T/Lorry) .	Sqr.	7,019.0
9A RCC HUME PIPES IN STRUCTURES (without		
Collars)		
According to the site condition collar rate should be added		
seperately		
9A .1 Furnish, lay and joint 6" RCC Hume pipes, including trenching		
& backfill, excluding transport .	Lft.	708.0
9A.2 Furnish, lay and joint 9" RCC Hume pipes, including trenching		
& backfill, excluding transport .	Lft.	930.0
9A.3 Furnish, lay and joint 12" RCC Hume pipes, including		
trenching & backfill, excluding transport.	Lft.	1,127.0
9A.4 Furnish, lay and joint 15" RCC Hume pipes, including		·
trenching & backfill, excluding transport .	Lft.	1,244.0
9A.5 Furnish, lay and joint 18" RCC Hume pipes, including		· · · · · · · · · · · · · · · · · · ·
trenching & backfill, excluding transport .	Lft.	1,444.0
9A.6 Furnish, lay and joint 24" RCC Hume pipes, including		•
trenching & backfill, excluding transport.	Lft.	1,998.0
9A.7 Furnish, lay and joint 30" RCC Hume pipes, including		•
trenching & backfill, excluding transport .	Lft.	2,861.0
9A.8 Furnish, lay and joint 36" RCC Hume pipes, including		,
trenching & backfill, excluding transport.	Lft.	3,411.0
9A.9 Furnish, lay and joint 42" RCC Hume pipes, including	-	5,12213
trenching & backfill, excluding transport.	Lft.	4,649.0
9A.10 Furnish, lay and joint 48" RCC Hume pipes, including		.,
trenching & backfill, excluding transport.	Lft.	5,686.0
Service Control of the Control of th		2,000.0
9B Supplying R.C.C. Hume Pipe Collars		
Supplying & fixing 6" dia R.C.C. Hume pipe collars excluding		
9B.1 transport .	No.	539.0
9B.1 [transport.	IVO.	559.0

0.0.2	Supplying & fixing 9" dia R.C.C . Hume pipe collars excluding transport .	No.	574.00
96.2	·	INU.	374.00
9B.3	Supplying & fixing 12" dia R.C.C . Hume pipe collars excluding transport.	No.	610.00
52.0	Supplying & fixing 15" dia R.C.C. Hume pipe collars excluding		020.00
9B.4	transport.	No.	716.00
	Supplying & fixing 18" dia R.C.C. Hume pipe collars excluding		
9B.5	transport .	No.	824.00
	Supplying & fixing 24" dia R.C.C. Hume pipe collars excluding		
9B.6	transport .	No.	1,040.00
	Supplying & fixing 30" dia R.C.C. Hume pipe collars excluding		
9B.7	transport .	No.	1,148.00
	Supplying & fixing 36" dia R.C.C. Hume pipe collars excluding		
9B.8	transport .	No.	1,399.00
	Supplying & fixing 42" dia R.C.C. Hume pipe collars excluding		
9B.9	transport .	No.	1,685.00
	Supplying & fixing 48" dia R.C.C. Hume pipe collars excluding		
9B.10	transport .	No.	2,472.00
10	STOP PLANKS		
10.1	Supplying & fixing 6" x 3" stop planks in specified class		
	timber (Kumbuk) including applying two coats of hot tar		
	and fixing 2 Nos. of M/S hooks made by 3/8" dia. M/S bars		
	with applying two coats of anticorrosive paint for the		
	surfaces of hooks, excluding transport.	Cu.ft.	11,308.00
10.2	Supplying & fixing 6" x 3" stop planks in specified class		
	timber (Naa, or Mee) including applying two coats of hot		
	tar and fixing 2 Nos. of M/S hooks made by 3/8" dia. M/S		
	bars with applying two coats of anticorrosive paint for the		
	surfaces of hooks, excluding transport.	C (1	4 507 00
10.2	A - I i - I - I - I - I - I - I - I - I -	Cu.ft.	4,687.00
10.3	Applying two coats of hot tar and fixing 2nos.of M/S hooks		
	made by 3/8"M.S. bars with painting two coats of		
	anticorrosive paint removing rust for the timber planks (6"x3") provided by the department excluding transport.		
	to x3) provided by the department excluding transport.	Cu ft	2 125 00
		Cu.ft.	2,125.00
11	MISCELLANEOUS		
11	MISCELLANEOUS	a a a b	4 000 00
	Furnishing 2" brass padlock and handing over.	each	1,020.00
11.2	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.	288.00
11 2	Furnishing 1" dia. 3' long steel chain as a locking	LIL.	200.00
11.3	arrangement for the operating wheel .	each	810.00
11 4	Pumping water using 2" dia. Water pump, (Wet basin with	Cucii	010.00
11.7	operator.) .	Per day	2,880.00
	production I to	,	_,

14	Making, Supplying & Fixing Steel gate		
	Providing a Degital printing Name Board size (6'-0" x 4'-0") for project using 3/4"x3/4" box iron heavy duty 1.2 mm thick frame 0.4 mm thick Zink Aluminium sheet with aluminium L-bar around the frame fixed with pop riverts at 6" c/c and fixing to 1 1/2" dia. medium duty 3.2 mm.thick G.I. pipe with 1/4" dia. 2 1/2" long nut & bolts and concreting bottom using 4" dia. PVC pipe with 2'-3" high as per detail plan no.2 inclusive transport.(name board plan no: 2) & directed. (Exceeding estimate cost Rs.500,000/=)	ltem	14,146.00
13.1	Providing a Digital printing Name Board size (4'-0" x 2'-0") for project using 3/4"x3/4" box iron heavy duty 1.2 mm thick frame 0.4 mm thick Zink Aluminium sheet with aluminium L-bar around the frame fixed with pop riverts at 6" c/c and fixing to 1" dia. medium duty 3.2 mm.thick G.I. pipe with 1/4" dia. 2 1/2" long nut & bolts and concreting bottom using 4" dia. PVC pipe with 2'-3" high as per detail plan no 1 inclusive transport.(name board plan no:1) & directed. (Up to estimate cost Rs.500,000/=)	ltem	9,736.00
13	Making & Fixing NAME BOARDS		
12.9	Up to 5.00 miles	Per Cu.	2,100.00
	Up to 4.00 miles	Per Cu.	1,950.00
	Up to 3.00 miles	Per Cu.	1,800.00
	Up to 2.00 miles	Per Cu.	1,590.00
	Up to 1.50 miles	Per Cu.	1,440.00
	Up to 1.00 miles	Per Cu.	1,290.00
	Up to 0.50 miles Up to 0.75 miles	Per Cu.	1,140.00
	Up to 0.25 miles	Per Cu. Per Cu.	924.00 990.00
40.4	T-T Excluding loading	Day C	024.00
12	Transport cost for haul earth / sand / gravel by		
11.8	Making temperory shed (size10'x 10') during construction/repairing period & removing.	Nr.	4,008.00
11.7	Hire charges for T-T (Wet Lease basis including operator).	per day	6,000.00
11.6	Providing wheep holes using 4" dia. PVC pipes (Type 250).	Lft.	303.00
11.5	Coffer damming using large size polysack bags including placing and removing.	Nr.	304.00

14.1	Making lifting steel gate using 75 x 75 x 6 mm 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 6 mm.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.	2,156.00
14.2	Making lifting steel gate using 65 x 65 x 6 mm angle iron & 5 mm. 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 6 mm. 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. Excluding transport.	Sqft.	2,090.00
15	SURVEYING		
15.1	Medium jungle clearing for surveying work, 4 ft .wide.	Mile	12146.00
15.2	Light jungle clearing for surveying work, 4 ft .wide.	Mile	8502.00
15.3	Chaining inclusive of cutting jungle pegs and pegging.	Mile	2277.00
15.4	Levelling every 100ft. Establishing bench marks on rock or tree and checking back.	Mile	4555.00
15.5	Surveying including fixing angle pickets and taking angles .	Mile	4555.00
15.6	Chaining traverse line and taking off sets .	Mile	6073.00
15.7	Detail site surveys - breaches, spill site etc., including spot levels, chaining, pegging and establishing bench mark (400' x 400')	Nr.	15182.00
15.8	Detail site surveys - breaches, spill site etc., including spot levels, chaining, pegging and establishing bench mark (200' x 200')	Nr.	3796.00
15.9	Detail site surveys - breaches, spill site etc., including spot levels, chaining, pegging and establishing bench mark (100' x		3,33,00
	100')	Nr.	949.00