



Section - 4 FORM OF BID AND QUALIFICATION INFORMATION

Form of Bid

No	Item Code	Form of Bid		
1	B-07 & B-34	iviaterial	Unit	Rate
2	B-12 & B-34	The state of the s	m3	
3	B-17 & B-34	======================================	m3	
4	B-01	above 5.011	m3	
5	B-23	Bed Preparation	m2	
6	B-23A	Earth work support 0-1.5m	m2	
7	B-23A	Earth work support 1.5-2.0m	m2	
8	B-25	Earth work support above 2.0m	m2	
9	D-02	Backfilling	m3	
10	E-04	Form Work	m2	
11		Reinforcement	Kg	
12	C-03	Concrete 1:3:6 (25mm)	m3	
13	C-05	Concrete 1:2:4 (20mm)	m3	
	14.04	Concrete 1:1 1/2:3 (20mm)	m4	
14	K-01	Plastering 1:3 cement motar	m2	
15	B -29	Quarry Dust 4.5mm	m3	
16		600mm DI cover	Nos	
17		Steps	Nos	
18		Transporting fixing and placing DI cover	Nos	
19		Hume Pipe NP2 - 300mm diameter	Lm	
20		Hume Pipe NP2 - 375mm diameter	Lm	10
21		Hume Pipe NP2 - 450mm diameter	Lm	
22		Hume Pipe NP2 - 600mm diameter	Lm	
23		Hume Pipe NP2 - 750mm diameter		
24		Hume Pipe NP2 - 900mm diameter	Lm	
25		Hume Pipe NP3 - 300mm diameter	Lm	
26		Hume Pipe NP3 - 450mm diameter	Lm	
27		Hume Pipe NP3 - 600mm diameter	Lm	
28		Hume Pipe NP3 - 900mm diameter	Lm	
29		Hume Pipe NP3 - 1000mm diameter	Lm	
30		Allow for connections	Lm	
31		P.V.C.Pipe - 110 mm Diameter	Item	
32		P.V.C.Pipe - 160 mm Diameter	Lm	
33		P.V.C.Pipe - 225 mm Diameter	Lm	
34		P.V.C.Pipe - 300 mm Diameter	Lm	
35		Excavation only 1.5m	Lm	
36		Excavation depth 1.5-3.0m	m3	
37		Excavation depth above 3.0m	m3	
38		Back filling imported soil	m3	
39		Back filling with Qurry dust	m3	
40		disposal	m4	
		Skill Labour	m3	
		Unskill	1 Hr	
43		Crane	1 Hr	
44		Operator	1 Hr	



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4	45	BO -004	Unskill labour (2Nrs x 1Hr)	1.11	
			Supply and laying of 300mm dia NP2 Hume pipes to	1 Hr	
-			approved gradient on concrete base.(concreting and		
	- 1		shoring will be paid seperately) Item shall include		
			removal of excess earth shoring, dewatering,		
	- 1		backfilling and compaction with suitable available or		
			imported material by 150 mm thick compacted		
			layers provide 300mm thick compacted		
4	6		layers provide, 300mm thick quarry dust filling on top of the hume pipe provide, lay and join to		
			complete working order.		
			omplete working order.		1
			Depth 0- 1.0m	m	-
			Depth 1.0- 1.5m		-
		d	Depth 1.5- 2.0m	m	
	- 1		Depth 2.0- 2.5m	m	-
			Depth 2.5- 3.0m	m	-
			Depth 3.0- 3.5m	m	
			Depth 3.5- 4.0m	m	
			Supply and laying of 450mm dia NP2 Hume pipes to	m	
			approved gradient on concrete base.(concreting and		
		!	shoring will be paid seperately) Item shall include		
			excavation in trenches, preparation of surfaces,		
			removal of excess earth shoring, dewatering,		
	- 1	lt.	packfilling and compaction with suitable available or		
		i.	mported material by 150 mm thick compacted		
		li	ayers provide, 300mm thick quarry dust filling on		
47		t	op of the hume pipe provide, lay and join to		
		c	omplete working order.		
		<u> </u>	epth 0- 1.0m		
			epth 1.0- 1.5m	m	
			epth 1.5- 2.0m	m	
			epth 2.0- 2.5m	m	
			epth 2.5- 3.0m	m	
			epth 3.0- 3.5m	m	
				m	
		De	epth 3.5- 4.0m	m	



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1		Supply and laying of 450mm dia NP3 Hume pipes to		
	-	approved gradient on concrete base.(concreting and		
		shoring will be paid seperately) Item shall include		
		excavation in trenches, preparation of surfaces,		
		removal of excess earth shoring, dewatering,		
		backfilling and compaction with suitable available or		
		imported material by 150 mm thick compacted		
		layers provide, 300mm thick quarry dust filling on		
	48	top of the hume pipe provide, lay and join to		
		complete working order.	-	
		Depth 0- 1.0m		
		Depth 1.0- 1.5m	m	
		Depth 1.5- 2.0m	m	
		Depth 2.0- 2.5m	m	
		Depth 2.5- 3.0m	m	
1		Depth 3.0- 3.5m	m	
		Depth 3.5- 4.0m	m	
		Supply and laying of 600mm dia NP2 Hume pipes to	m	
		approved gradient on concrete base.(concreting and		
		shoring will be paid seperately) Item shall include		
		excavation in trenches, preparation of surfaces		
		removal of excess earth shoring, dewatering,		
		backfilling and compaction with suitable available or		
		imported material by 150 mm thick compacted		
		layers provide, 300mm thick quarry dust filling on		
	49	top of the hume pipe provide, lay and join to		
		complete working order.		
		Depth 0- 1.0m		
			m	
		Depth 1.0- 1.5m Depth 1.5- 2.0m	m	
1		Depth 2.0- 2.5m	m	
4		Depth 2.5- 3.0m	m	
		Depth 3.0- 3.5m	m	
		Depth 3.5- 4.0m	m	
			m	
		Supply and laying of 600mm dia NP3 Hume pipes to		
		approved gradient on concrete base.(concreting and		
		shoring will be paid seperately) Item shall include excavation in trenches, preparation of surfaces		
		removal of excess combacks in the state of surfaces,	- 1	
		removal of excess earth shoring, dewatering,		
		backfilling and compaction with suitable available or imported material by 150 mm disk		
		imported material by 150 mm thick compacted	- 1	
	50	layers provide, 300mm thick quarry dust filling on		
	50	top of the hume pipe provide, lay and join to complete working order.		
		working order.		



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	Depth 0- 1.0m	n	2	
1	Depth 1.0- 1.5m	n		
	Depth 1.5- 2.0m	n		
	Depth 2.0- 2.5m	n		
	Depth 2.5- 3.0m	m		
	Depth 3.0- 3.5m	m		
	Depth 3.5- 4.0m	m	_	
	Supply and laying of 750mm dia NP2 Hume pipes to	,	+	
	approved gradient on concrete base.(concreting and	4		
	shoring will be paid seperately) Item shall include	_		
	excavation in trenches, preparation of surfaces			
	removal of excess earth shoring, dewatering,	'		
	backfilling and compaction with suitable available or	-		
	imported material by 150 mm thick compacted			
	layers provide, 300mm thick quarry dust filling or	.		
51	top of the hume pipe provide, lay and join to	'		
	complete working order.			
1				
	Depth up to 1.5m			
1	Depth 1.5- 2.0m	m		
	Depth 2.0- 2.5m	m		
	Depth 2.5- 3.0m	m		
	Depth 3.0- 3.5m	m		
	Depth 3.5- 4.0m	m		
		m		
	Supply and laying of 750mm dia NP3 Hume pipes to			
	approved gradient on concrete base.(concreting and			
	shoring will be paid seperately) Item shall include excavation in trenches, preparation of surfaces			
	removal of excess earth shoring, dewatering,			
	backfilling and compaction with suitable available or			
4	imported material by 150 mm thick compacted			
52	layers provide, 300mm thick quarry dust filling on	1		
	top of the hume pipe provide, lay and join to			
	complete working order.			
	Depth up to 1.5m	m		
	Depth 1.5- 2.0m	m		
	Depth 2.0- 2.5m	m		
	Depth 2.5- 3.0m	m		
	Depth 3.0- 3.5m	m		
	Depth 3.5- 4.0m	m		





	Supply and laving 1000		
	Supply and laying of 900mm dia NP2 Hume pipes to approved gradient on concrete base. (concreting and shoring will be paid seperately) Item shall include		
	excavation in trenches, preparation of surfaces, removal of excess earth shoring, dewatering, backfilling and compaction with suitable available or		
	imported material by 150 mm thick compacted layers provide, 300mm thick quarry dust filling on		
53	top of the hume pipe provide, lay and join to		
	complete working order.		
	Depth up to 1.5m	m	
	Depth 1.5- 2.0m	m	
	Depth 2.0- 2.5m	m	
	Depth 2.5- 3.0m	m	
	Depth 3.0- 3.5m	m	
	Depth 3.5- 4.0m	m	
	Depth 4.0- 4.5m	m	





54	Supply and laying of 900mm dia NP3 Hume pipes to approved gradient on concrete base.(concreting and shoring will be paid seperately) Item shall include excavation in trenches, preparation of surfaces, removal of excess earth shoring, dewatering, backfilling and compaction with suitable available or imported material by 150 mm thick compacted layers provide, 300mm thick quarry dust filling on top of the hume pipe provide, lay and join to complete working order.		
	Depth 0- 1.5m	m	
	Depth 1.5- 2.0m	m	-
	Depth 2.0- 2.5m	m	+
	Depth 2.5- 3.0m	m	
	Depth 3.0- 3.5m	m	
	Depth 3.5- 4.0m	m	
	Depth 4.0- 4.5m	m m	
55	Provide lay and join spigot and socket grade 600 UPVC pipes of nominal bore 110mm diameter in open trenches. Item shall include, excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring, dewatering, backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers. Lay and join to complete working order. Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing. (Concrete and shoring work will be paid seperatly) Rate for 12m pipe length		
	Depth 0- 1.0m	2NOs	
	Depth 1.5 - 2.0m	2NOs	
	Depth 1.5- 2.0m	2NOs	



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Provide lay and join spigot and socket grade 600 UPVC pipes of nominal bore 160mm diameter in open trenches.ttem shall include , excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and Join to complete working order. Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0-1.0m 2NOS Depth 1.0-1.5m 2NOS Depth 1.0-2.5m 2NOS Depth 2.0-2.5m 2NOS Depth 2.0-3.5m 2NOS Depth 3.5-4.0m 2NOS Depth 3.5-3.0m 2NOS Depth 3.5-3.0m 2NOS Depth 3.5-4.0m 2NOS Depth 3.5-4.0m 2NOS Depth 3.5-4.0m 2NOS Depth 3.5-3.0m 2NOS Depth 3.5-3.0m 2NOS Depth 4.5-5.0m 2NOS Depth 5.0-5.5m 2NOS Depth 5.0-5.5m 2NOS					(/
preparation of surfaces, Removal of excess earth, form work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order. Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 1.0- 1.0m			UPVC pipes of nominal bore 160mm diameter in oper		
torm work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m			trenches.Item shall include , excavation in trenches,		
compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 1.0-1.5m 2NOs Depth 1.5-2.0m 2NOs Depth 2.5-3.0m 2NOs Depth 2.5-3.0m 2NOs Depth 3.0-3.5m 2NOs Depth 3.5-4.0m 2NOs Depth 3.6-4.0m 2NOs Depth 3.6-3.0m 2NOS Depth 4.0-4.5m 2NOS 2NOS Depth 4.0-4.5m 2NOS 2NOS 2NOS Depth 4.0-4.5m 2NOS 2NOS 2NOS 2NOS 2NOS 2NOS 2NOS 2NOS			preparation of surfaces, Removal of excess earth,		
materials by 150mm thick compacted layers Lay and join to complete include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing. (Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m 2NOS Depth 1.0- 1.5m 2NOS Depth 1.5- 2.0m 2NOS Depth 2.0- 2.5m 2NOS Depth 3.0-3.5m 2NOS Depth 3.5- 4.0m 2NOS Provide lay and join spigot and socket grade 600 UPVC pipes of nominal bore 225mm diameter in open trenches. Item shall include , excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring , dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order. Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing. (Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m 2NOS Depth 1.5- 2.0m 2NOS Depth 1.5- 2.0m 2NOS Depth 2.5- 3.0m 2NOS Depth 2.5- 3.0m 2NOS Depth 3.0-3.5m 2NOS Depth 4.0-4.5m 2NOS Depth 4.5-5.0m 2NOS Depth 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.			form work, shoring ,dewatering , backfilling and		
Join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 1.0- 1.5m Depth 1.5- 2.0m Depth 2.5- 3.0m Depth 2.5- 3.0m Depth 3.5- 4.0m Provide lay and join spigot and socket grade 600 UPVC pipes of nominal bore 225mm diameter in open trenches.Item shall include , excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 1.0- 1.5m Depth 1.0- 1.5m Depth 1.0- 2.5m Depth 1.5- 3.0m Depth 1.5- 3.0m Depth 2.5- 3.0m Depth 3.5- 4.0m Depth 4.5- 5.0m Depth 4.5- 5.0m Depth 4.5- 5.0m Depth 5.0.5 Esp.			compaction with suitable available or imported		
include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing. (Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0-1.0m			materials by 150mm thick compacted layers Lay and		
Depth 0- 1.0m			יייייייי איייייייייייייייייייייייייייי		
Depth 0-1.0m 2NOS Depth 1.0-1.5m 2NOS Depth 1.5-2.0m 2NOS Depth 2.5-3.0m 2NOS Depth 3.0-3.5m 2NOS Depth 3.5-4.0m 2NOS Depth 3.5-3.0m 2NOS Depth 3.5-3.0m 2NOS Depth 3.5-4.0m 2NOS Depth 3.5-4.0m 2NOS Depth 4.5-5.0m 2NOS			include for 300mm thick Quarry dust layer on to of the		
Depth 0- 1.0m Depth 1.5- 2.0m Depth 1.5- 2.0m Depth 2.0- 2.5m Depth 2.5- 3.0m Depth 3.5- 4.0m Depth 3.5- 4.0m Depth 2.0 preph 3.5- 4.0m Depth 3.5- 3.0m Depth 3.5- 4.0m Depth 3.5- 3.0m Depth 3.5- 4.0m Depth 3.5- 4.0m Depth 3.5- 3.0m Depth 4.5- 3.0m Depth 4.5- 5.0m Depth 4.5- 5.5 cm Depth 5.5- 5.5 cm		56	UPVC pipe as per detail drawing.(Concrete and shoring		
Depth 1.0-1.5m 2NOS Depth 1.5-2.0m 2NOS Depth 2.0-2.5m 2NOS Depth 2.5-3.0m 2NOS Depth 3.5-3.0m 2NOS Depth 3.5-4.0m 2NOS Depth 3.5-4.0m 2NOS Provide lay and join spigot and socket grade 600 UPVC pipes of nominal bore 225mm diameter in open trenches. Item shall include , excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing. (Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0-1.0m 2NOS Depth 1.0-1.5m 2NOS Depth 2.0-2.5m 2NOS Depth 2.0-2.5m 2NOS Depth 3.0-3.5m 2NOS Depth 3.0-3.5m 2NOS Depth 3.5-4.0m 2NOS Depth 4.0-4.5m 2NOS Depth 4.0-5.0m 2NOS Depth 4.5-5.0m 2NOS			work will be paid seperatly) Rate for 12m pipe length		
Depth 1.0- 1.5m 2NOS Depth 1.5- 2.0m 2NOS Depth 2.0- 2.5m 2NOS Depth 2.5- 3.0m 2NOS Depth 3.5- 3.0m 2NOS Depth 3.5- 4.0m 2NOS Depth 3.5- 4.0m 2NOS Provide lay and join spigot and socket grade 600 UPVC pipes of nominal bore 225mm diameter in open trenches. Item shall include , excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing. (Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m 2NOS Depth 1.0- 1.5m 2NOS Depth 2.0- 2.5m 2NOS Depth 2.0- 2.5m 2NOS Depth 3.0-3.5m 2NOS Depth 3.0-3.5m 2NOS Depth 3.5-4.0m 2NOS Depth 4.0- 4.5m 2NOS Depth 4.0-5.0m 2NOS Depth 4.0-5.0m 2NOS Depth 4.5-5.0m 2NOS					
Depth 1.5- 2.0m 2NOS Depth 2.0- 2.5m 2NOS Depth 2.0- 2.5m 2NOS Depth 3.0-3.5m 2NOS Depth 3.5- 4.0m 2NOS Depth 3.5- 3.0m 2NOS Depth 3.5- 3.0m 2NOS Depth 3.5- 3.0m 2NOS Depth 3.5- 4.0m 2NOS Depth 3.5- 4.0m 2NOS Depth 3.5- 4.0m 2NOS Depth 4.5- 5.0m 2NOS Depth 4.5- 5.0m Depth 5.0- 5.5 m				2NOs	
Depth 2.0- 2.5m Depth 2.5- 3.0m Depth 3.0-3.5m Depth 3.5- 4.0m Depth 3.5- 3.0m Depth 3.5- 4.0m Depth 4.0- 4.5m Depth 4.0- 4.5m Depth 4.5- 5.0m Depth 5.5- 5.5c				2NOs	
Depth 2.5-3.0m 2NOS Depth 3.0-3.5m 2NOS Depth 3.5-4.0m 2NOS Depth 3.5-4.0m 2NOS Provide lay and join spigot and socket grade 600 UPVC pipes of nominal bore 225mm diameter in open trenches. Item shall include, excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring ,dewatering, backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order. Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing. (Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0-1.0m 2NOS Depth 1.0-1.5m 2NOS Depth 2.0-2.5m 2NOS Depth 2.0-2.5m 2NOS Depth 2.5-3.0m 2NOS Depth 3.5-4.0m 2NOS Depth 4.0-4.5m 2NOS Depth 4.0-4.5m 2NOS Depth 5.0-5.5m 2NOS Depth 5.0-5.5m 2NOS				2NOs	
Depth 3.0-3.5m Depth 3.5- 4.0m Provide lay and join spigot and socket grade 600 UPVC pipes of nominal bore 225mm diameter in open trenches.Item shall include, excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring, dewatering, backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order. Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing. (Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0-1.0m Depth 1.5-2.0m Depth 1.5-2.0m Depth 2.0-2.5m Depth 2.0-2.5m Depth 3.0-3.5m Depth 3.0-3.5m Depth 4.0-4.5m Depth 4.0-4.5m Depth 4.5-5.0m	1			2NOs	
Depth 3.5- 4.0m Provide lay and join spigot and socket grade 600 UPVC pipes of nominal bore 225mm diameter in open trenches.ltem shall include , excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m Depth 1.0- 1.5m Depth 1.5- 2.0m Depth 1.5- 2.0m Depth 2.0- 2.5m Depth 2.0- 2.5m Depth 3.0-3.5m Depth 3.0-3.5m Depth 4.0- 4.5m Depth 4.5-5.0m Depth 4.5-5.0m Depth 4.5-5.0m Depth 4.5-5.0m Depth 5.0-5.5m Depth 4.5-5.0m Depth 5.0-5.5m				2NOs	
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UPVC pipes of nominal bore 225mm diameter in open trenches.Item shall include , excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m 2NOS Depth 1.0- 1.5m 2NOS Depth 1.5- 2.0m 2NOS Depth 2.0- 2.5m 2NOS Depth 2.0- 2.5m 2NOS Depth 3.0-3.5m 2NOS Depth 3.0-3.5m 2NOS Depth 4.0- 4.5m 2NOS Depth 4.0- 4.5m 2NOS Depth 5.0-5.5m 2NOS	-			2NOs	
trenches.Item shall include , excavation in trenches, preparation of surfaces, Removal of excess earth, form work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0-1.0m Depth 1.0-1.5m Depth 1.5-2.0m Depth 2.0-2.5m Depth 2.0-2.5m Depth 2.5-3.0m Depth 3.0-3.5m Depth 3.0-3.5m Depth 3.0-3.5m Depth 4.0-4.5m Depth 4.0-4.5m Depth 5.0.5 5m Depth 5.0.5 5m Depth 5.0.5 5m Depth 5.0.5 5m			Provide lay and join spigot and socket grade 600		
preparation of surfaces, Removal of excess earth, form work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m Depth 1.0- 1.5m Depth 1.5- 2.0m Depth 1.5- 2.0m Depth 2.0- 2.5m Depth 2.0- 2.5m Depth 2.5- 3.0m Depth 3.0-3.5m Depth 3.0-3.5m Depth 4.0- 4.5m Depth 4.0- 4.5m Depth 4.0- 4.5m Depth 5.0-5.5m			translated the state of the sta		
form work, shoring ,dewatering , backfilling and compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m 2NOS Depth 1.0- 1.5m 2NOS Depth 1.5- 2.0m 2NOS Depth 2.0- 2.5m 2NOS Depth 2.0- 2.5m 2NOS Depth 3.0-3.5m 2NOS Depth 3.0-3.5m 2NOS Depth 3.5- 4.0m 2NOS Depth 4.0- 4.5m 2NOS Depth 4.5-5.0m 2NOS Depth 4.5-5.0m 2NOS			trenches.Item shall include , excavation in trenches,		
Compaction with suitable available or imported materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m Depth 1.0- 1.5m Depth 1.5- 2.0m Depth 2.0- 2.5m Depth 2.0- 2.5m Depth 2.5- 3.0m Depth 3.0-3.5m Depth 3.0-3.5m Depth 4.0- 4.5m Depth 4.0- 4.5m Depth 4.5-5.0m Depth 5.0-5.5m			preparation of surfaces, Removal of excess earth,		
materials by 150mm thick compacted layers Lay and join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m 2NOs Depth 1.0- 1.5m 2NOs Depth 1.5- 2.0m 2NOs Depth 2.0- 2.5m 2NOs Depth 2.0- 2.5m 2NOs Depth 3.0-3.5m 2NOs Depth 3.0-3.5m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 4.5-5.0m 2NOs			form work, shoring ,dewatering , backfilling and		
Join to complete working order .Rate to include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m			compaction with suitable available or imported		
include for 300mm thick Quarry dust layer on to of the UPVC pipe as per detail drawing.(Concrete and shoring work will be paid seperatly) Rate for 12m pipe length Depth 0- 1.0m					
DPVC pipe as per detail drawing. (Concrete and shoring work will be paid seperatly) Rate for 12m pipe length					
Depth 0- 1.0m 2NOs Depth 1.0- 1.5m 2NOs Depth 1.5- 2.0m 2NOs Depth 2.0- 2.5m 2NOs Depth 2.5- 3.0m 2NOs Depth 3.0-3.5m 2NOs Depth 3.5- 4.0m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 4.5-5.0m 2NOs Depth 4.5-5.0m 2NOs Depth 5.0-5.5m 2NOs Depth 6.0-5.5m 2NOS		a.	Include for 300mm thick Quarry dust layer on to of the		
Depth 0- 1.0m 2NOs Depth 1.0- 1.5m 2NOs Depth 1.5- 2.0m 2NOs Depth 2.0- 2.5m 2NOs Depth 2.5- 3.0m 2NOs Depth 3.0-3.5m 2NOs Depth 3.5- 4.0m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 4.5-5.0m 2NOs			OPVC pipe as per detail drawing.(Concrete and shoring		
Depth 1.0- 1.5m 2NOs Depth 1.5- 2.0m 2NOs Depth 2.0- 2.5m 2NOs Depth 2.5- 3.0m 2NOs Depth 3.0-3.5m 2NOs Depth 3.5- 4.0m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 5.0-5.5m 2NOs	7	57	work will be paid seperatly) Rate for 12m pipe length		
Depth 1.0- 1.5m 2NOs Depth 1.5- 2.0m 2NOs Depth 2.0- 2.5m 2NOs Depth 2.5- 3.0m 2NOs Depth 3.0-3.5m 2NOs Depth 3.5- 4.0m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 5.0-5.5m 2NOs					
Depth 1.0- 1.5m 2NOs Depth 1.5- 2.0m 2NOs Depth 2.0- 2.5m 2NOs Depth 2.5- 3.0m 2NOs Depth 3.0-3.5m 2NOs Depth 3.5- 4.0m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 5.0-5.5m 2NOs		1	Depth 0- 1.0m	2010-	
Depth 1.5- 2.0m 2NOs Depth 2.0- 2.5m 2NOs Depth 2.5- 3.0m 2NOs Depth 3.0-3.5m 2NOs Depth 3.5- 4.0m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 5.0-5.5m 2NOs			Denth 1 0, 1 5m		
Depth 2.0- 2.5m 2NOs Depth 2.5- 3.0m 2NOs Depth 3.0-3.5m 2NOs Depth 3.5- 4.0m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 5.0-5.5m 2NOs			Denth 1 5- 2 0m	_	
Depth 2.5- 3.0m 2NOs Depth 3.0-3.5m 2NOs Depth 3.5- 4.0m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 5.0-5.5m 2NOs			Denth 2 0- 2 5m		
Depth 3.0-3.5m 2NOs Depth 3.5- 4.0m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 5.0-5.5m 2NOs			Denth 2 5- 3 0m		
Depth 3.5- 4.0m 2NOs Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 5.0-5.5m 2NOs			Denth 3 0 2 5m		
Depth 4.0- 4.5m 2NOs Depth 4.5-5.0m 2NOs Depth 5.0-5.5m			Denth 3.5- 4.0m		
Depth 4.5-5.0m 2NOs			Denth 4.0- 4.5m	_	
Denth 5 0-5 5m			IDenth 4.5.5.0m	_	
			IDenth 5 0-5 5m	_	



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		Provide lay and join spigot and socket grade 60	0	
1		OPVC pipes of nominal bore 300mm diameter in	nan	
		trenches.Item shall include, excavation in trench	ies.	
		preparation of surfaces, Removal of excess earth	,	
		form work, shoring ,dewatering , backfilling and		
		compaction with suitable available or imported		
		materials by 150mm thick compacted layers Lay and		
		Join to complete working order. Rate to	- 1	
		Include for 300mm thick Quarry dust layer on to of the	20	
		UPVC pipe as per detail drawing. (Concrete and shori	20	
	E0	work will be paid seperatly) Rate for 12m pipe length	15	
	58	p.pe lengti	'	
		Depth 0- 1.0m	2NOs	
6		Depth 1.0- 1.5m	2NOs	
		Depth 1.5- 2.0m	2NOs	
		Depth 2.0- 2.5m	2NOs	
		Depth 2.5- 3.0m	2NOs	
		Depth 3.0-3.5m	2NOs	
		Depth 3.5- 4.0m	2NOs	
		Depth 4.0- 4.5m	2NOs	
		Depth 4.5-5.0m	2NOs	
		Construction of 600X 600mm internal dimensions,		
		75mm thick screed with 1:3:6 (25mm) cement		
		concrete & 150mm thick base and walls with		
		1:11/2:3(20mm) concrete, single reinforced		
		rectangular manholes.Rate to include for 1:3 cement		
		sand plaster in benching and concrete walls should		
		have a satisfactory smooth finish ,Item shall include		
		excavation, removal of excess earth, shoring		
1		preparation of surface, dewatering, backfilling and		
		compaction with suitable available/imported		
	59	material 150mm thick compacted layers. Form		- 1
		work, concrete work single reinforcement,		
		connection of pipe ends, providing and fixing of D		
		400 Type clear opening of 600mm Diameter D.I.Cover		
		& Frame, comply with (BS. EN.124) &		
		25mm diameter hot dip galvanized steps at 300mm		
		c/c.Comply with (BS.EN. ISO 1461 : 2009).		
		Invert Depth 0.50m		
		Invert Depth 1.0m	No	
		Invert Depth 1.5m	No	
			No	1



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1		Construction of 750X 750mm internal dimensions 75mm thick screed with 1:3:6 (25mm) cement concrete & 200mm thick base and walls with	5,			
		1:11/2:3(20mm) concrete, single reinforced				
		rectangular manholes.Rate to include for 1:3 cemen	nt			
		sand plaster in benching and concrete walls should	d			
		have a satisfactory smooth finish ,Item shall incl	ude	- 1		
		excavation, removal of excess earth, shoring,				
		preparation of surface, dewatering, backfilling and compaction with suitable available/imported				
		material 150mm thick compacted layers. Form				
	60	work, concrete work single reinforcement, connect	.			
		of pipe ends, providing and fixing of D 400 Type	tion			
		clear opening of 600mm Diameter D.I.Cover & Fram				
	1	comply with (BS. EN.124) &	ie,			
0		25mm diameter hot dip galvanized steps at 300m	ım			
	4	c/c.Comply with (BS.EN. ISO 1461 : 2009).	""			
	Í					
		Invert Depth 0.50m	No	+		
		Invert Depth 1.0m	No	+		
		Invert Depth 1.5m	No	+		-
-		Invert Depth 2.0m	No			
		Construction of 750X 900mm internal dimensions,				
		75mm thick screed with 1:3:6 (25mm) cement				
		concrete & 200mm thick base and walls with 1:11/2:3(20mm) concrete, single reinforced				
		rectangular manholes.Rate to include for 1:3 cement				
		sand plaster in benching and concrete walls should				
		have a satisfactory smooth finish ,Item shall include		1		
		excavation, removal of excess earth, shoring,	e			
1		preparation of surface, dewatering, backfilling and				
		compaction with suitable available/imported				
	61	material 150mm thick compacted layers. Form				
		work, concrete work single reinforcement, connection				
		of pipe ends, providing and fixing of D 400 Type				
		clear opening of 600mm Diameter D.I.Cover & Frame		1		
		comply with (BS. EN.124) &				
		25mm diameter hot dip galvanized steps at 300mm				
		c/c.Comply with (BS.EN. ISO 1461 : 2009).				
		Invert Depth 1.0m				
		Invert Depth 1.5m	No			
		Invert Depth 2.0m	No			
			No			





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Construction of 750X 900mm internal dimensions, 75mm thick screed with 1:3:6 (25mm) cement concrete & 200mm thick base and walls with 1:11/2:3(20mm) concrete, single reinforced rectangular manholes.Rate to include for 1:3 cement sand plaster in benching and concrete walls should have a satisfactory smooth finish ,Item shall includ excavation, removal of excess earth, shoring, preparation of surface, dewatering, backfilling and compaction with suitable available/imported material 150mm thick compacted layers. Form work, concrete work double reinforcement, connection of pipe ends, providing and fixing of D 400 Type clear opening of 600mm Diameter D.I.Cover & Frame, comply with (BS. EN.124) & 25mm diameter hot dip galvanized steps at 300mm c/c.Comply with (BS.EN. ISO 1461: 2009).		
Invert Depth 2.0m	No	
Invert Depth 2.0m Imp: soil	No	
Invert Depth 2.5m	No	
Invert Depth 2.5m Imp: soil	No	
Invert Depth 3.0m	No	
Invert Depth 3.0m Imp: soil	No	
Invert Depth 3.5m	No	
Invert Depth 3.5m Imp: soil	No	
Invert Depth 4.0m	No	
Invert Depth 4.0m Imp: soil	No	
	IVO	





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	63	Construction of 1200X 900mm internal dimensions 75mm thick screed with 1:3:6 (25mm) cement concrete & 200mm thick base and walls with 1:11/2:3(20mm) concrete, single reinforced rectangular manholes.Rate to include for 1:3 cement sand plaster in benching and concrete walls should have a satisfactory smooth finish ,Item shall incluexcavation, removal of excess earth, shoring, preparation of surface, dewatering, backfilling and compaction with suitable available/imported material 150mm thick compacted layers. Form work, concrete work single reinforcement, connection of pipe ends, providing and fixing of D 400 Type	de	
		clear opening of 600mm Diameter D.I.Cover & Frame comply with (BS. EN.124) & 25mm diameter hot dip galvanized steps at 300mr c/c.Comply with (BS.EN. ISO 1461 : 2009).		
		Invert Depth 1.0m	-	
		Invert Depth 1.5m	No	
		Invert Depth 2.0m	No	
		Construction of 1200X 900mm internal dimensions,	No	
		75mm thick screed with 1:3:6 (25mm) cement		
		concrete & 200mm thick base and walls with		
		1.11/2.2/20		
		rectangular manholog Bata to it is a second reinforced		
		rectangular manholes.Rate to include for 1:3 cement		
		sand plaster in benching and concrete walls should	1	
		have a satisfactory smooth finish ,Item shall include		
		excavation, removal of excess earth, shoring,		
		preparation of surface, dewatering, backfilling and		
		compaction with suitable available/imported		
1		material 150mm thick compacted layers. Form		
	-	work, concrete work double reinforcement,		
		connection of pipe ends, providing and fixing of D		
	64	400 Type clear opening of 600mm Diameter D.I.Cover		
		& Frame, comply with (BS. EN.124) &		
		25mm diameter hot dip galvanized steps at 300mm		
		c/c.Comply with (BS.EN. ISO 1461 : 2009).		
		Invert Depth 2.0m	No	
		Invert Depth 2.0m Imp: soil	No	
		Invert Depth 2.5m	No	
		Invert Depth 2.5m Imp: soil	No No	
		Invert Depth 3.0m	No	_
			140	





1 1			
	Invert Depth 3.0m Imp: soil	No	
	Invert Depth 3.5m	No	
	Invert Depth 3.5m Imp: soil	No	
	Invert Depth 4.0m	No	
65	Invert Depth 4.0m Imp: soil	No	
66	Prelimineries shall be added for each project	PS	
00	Road reinstatment charges	PS	
67	Cost for utility diversion will be paid by CMC and the		
	contractor should facilitate to do the job	PS	
	Shoring /timber shoring with minimum 50 m ²		
	Depth 0- 1.5m	m ²	
	Depth 1.5- 2.0m	m ²	
68	Depth 2.0- 2.5m	m ²	
	Depth 2.5- 3.0m	m ²	
	Depth 3.0- 3.5m	m ²	
	Depth 3.5- 4.0m	m ²	
	Shoring /sheet pile shoring with minimum 120 m ²	1111	
	Depth 0- 1.5m	m ²	
	Depth 1.5- 2.0m	m ²	
69	Depth 2.0- 2.5m	m ²	
	Depth 2.5- 3.0m	m ²	
	Depth 3.0- 3.5m	m ²	
	Depth 3.5- 4.0m	m ²	
	Dewatering - depth is measured from the exsisting	111	
	water table		
	Depth 0- 1.5m	m	
	Depth 1.5- 2.0m	m	
70	Depth 2.0- 2.5m	m	
	Depth 2.5- 3.0m	m	
	Depth 3.0- 3.5m	m	
	Depth 3.5- 4.0m	m	
	Depth 4.0- 4.5m	m	

Bidders' Signature

Date



Qualification Information





ICTAD REGISTRATION	
Registration numbe	(attach copies of relevant pages from the registration book)
Grade	B C C C C C C C C C C C C C C C C C C C
Specialty	
Expiry Date	
Blacklisted Contractors	
Have you been declared as a defaulted cont	ractor by NPA or any other Agency? (Yes/No)
If yes provide details	
VAT Registration Number	
Construction Program	(attach as annex)
Legal status	(attach relevant status copies, as annex)
Value of Construction works performed in last 5 years	(attach copies of Certificate of Completion etc and other documents such as profit-loss and income expenditure statement)
Year	·
Year	
Year	
Year	
Year	
alue of similar works completed in	1. Value Year
last 10 year (indicate only the three largest projects)	2. Value Year
•	3. Value Year(attach copies of certificate of completion etc., as annex)
Qualification and experience of	Technical:
Qualification and experience of Technical Staff at site	
and the second of the second o	
	(attach educational, professional, experience certificates of each person)