Sr. No.		Description	Unit	Rate (Rs.)	
				Labour	Composite
7-1	a)	Providing and laying concrete for bored cast in situ piles by tremie pipe or skip bucket using Lawrencepur sand and Margalla crushed stone 3/4" (19mm) & down gauge in dense homogeneous concrete nominal mix 1:1.33:2.66 having cube crushing strength of 34.5 N/mm2 at 28 days. The concrete in the piles is to be measured by multiplying the cross-sectional area of the pile by the length of pile as cast, from the head to the butt of the shoe. Reinforcement & boring of pile is to be measured for payment separately.	Cu.m. Cu.ft..	1389.90 39.35	10384.60 294.10
	b)	Deduct from item 7-1(a) if local crushed aggregate is used in place of Margalla crushed stone.	Cu.m. Cu.ft..	- -	1394.50 39.50
	c)	Extra if 1 : 1 : 2 mix is used in item 7-1(a) above	Cu.m. Cu.ft..	- -	1980.45 56.10
	d)	Deduct from item 7-1(c) if local crushed aggregate is used in place of Margalla crushed stone	Cu.m. Cu.ft..	- -	2317.80 65.65
	e)	Deduct if 1 : 2 : 4 mix is used in item 7-1(a) above	Cu.m. Cu.ft..	- -	163.90 4.65
	f)	Deduct from item 7-1(e) if local crushed aggregate is used in place of Margalla crushed stone	Cu.m. Cu.ft..	- -	2648.95 75.00
7-2	a)	Providing and laying RCC precast piles of required size with chamfered corners using Lawrencepur sand & Margalla crushed aggregate 3/4" (19mm) and down gauge in dense homogeneous concrete nominal mix 1:1.33:2.66 having cube crushing strength of 34.5N/mm2 at 28 days, including formwork and its removal, compaction, vibration, curing, stacking at site but excluding the cost of reinforcement	Cu.m. Cu.ft..	1478.25 41.85	11233.60 318.15
	b)	Deduct from item 7-2(a) if local crushed aggregate is used in place of crushed stone.	Cu.m. Cu.ft..	- -	1218.35 34.50
	c)	Extra if 1 : 1 : 2 mix is used in item 7-2(a) above	Cu.m. Cu.ft..	- -	1815.65 51.40
	d)	Deduct from item 7-2(c) if local crushed aggregate is used in place of Margalla crushed stone	Cu.m. Cu.ft..	- -	2015.50 57.10
7-3		Providing and fixing cast iron pile shoes for RCC piles with necessary fittings.	Kg. Lb.	5.35 2.45	89.75 40.70
7-4	a)	Driving of RCC precast piles of any size vertically upto 320 ft. (100 m) depth from ground level with specified penetration or set in all kinds of soil including cost of handling and pitching the piles in position.	R.M. R.ft..	547.55 166.90	1010.55 308.00
	b)	Extra for driving piles in tidal water over item 7-4(a)	R.M. R.ft..	547.55 166.90	1010.55 308.00
	c)	Extra for driving piles in tidal water from pontoons or barges over item 7-4(a)	R.M. R.ft..	273.80 83.45	505.30 154.00
	d)	Extra for driving piles in non-tidal water from pontoons or barges or otherwise over item 7-4(a)	R.M. R.ft..	136.90 41.75	252.65 77.00
7-5	a)	Driving of RCC precast piles of any size vertically to depth greater than 320ft.(100 m) below ground level with specified penetration or set in all kinds of soil including cost of handling and pitching the piles in position.	R.M. R.ft..	570.35 173.85	1071.95 326.75

Sr. No.		Description	Unit	Rate (Rs.)	
				Labour	Composite
	b)	Extra for driving piles in tidal water over item 7-5(a)	R.M. R.ft..	570.35 173.85	1071.95 326.75
	c)	Extra for driving piles in tidal water from pontoons or barges over item 7-5(a)	R.M. R.ft..	285.20 86.95	536.00 163.35
	d)	Extra for driving piles in non-tidal water from pontoons or barges or otherwise over item 7-5(a)	R.M. R.ft..	142.60 43.45	268.00 81.70
7-6	a)	Driving of RCC precast inclined piles of any size to specified inclination and depth upto 320 ft (100 m) below ground level with specified penetration or set in all kinds of soil including the cost of handling and pitching the piles in position.	R.M. R.ft..	547.55 166.90	1010.55 308.00
	b)	Extra for driving piles in tidal water over item 7-6(a)	R.M. R.ft..	547.55 166.90	1010.55 308.00
	c)	Extra for driving piles in tidal water from pontoons or barges over item 7-6(a)	R.M. R.ft..	273.80 83.45	505.30 154.00
	d)	Extra for driving piles in non-tidal water from pontoons or barges or otherwise over item 7-6(a)	R.M. R.ft..	136.90 41.75	252.65 77.00
7-7	a)	Driving of RCC precast inclined piles of any size to specified inclination and depth greater than 320 ft (100 m) from ground level with specified penetration or set in all kinds of soil including the cost of handling and pitching the piles in position.	R.M. R.ft..	570.35 173.85	1149.10 350.25
	b)	Extra for driving piles in tidal water over item 7-7(a)	R.M. R.ft..	570.35 173.85	1149.10 350.25
	c)	Extra for driving piles in tidal water from pontoons or barges over item 7-7(a)	R.M. R.ft..	285.20 86.95	574.55 175.10
	d)	Extra for driving piles in non-tidal water from pontoons or barges or otherwise over item 7-7(a)	R.M. R.ft..	142.60 43.45	287.30 87.55
7-8		Cutting of top of RCC piles of any size including chiseling, dismantling, straightening the steel and disposal	Cu.m. Cu.ft..	1207.80 368.15	1335.75 407.15
7-9		Extracting RCC piles in all kinds of soil.			
	a)	Piles upto 18 inches (450 mm) nominal dia	R.M. R.ft..	392.20 119.55	526.40 160.45
	b)	Piles above 18 inches (450 mm) nominal dia	R.M. R.ft..	451.05 137.50	612.10 186.55
7-10		Providing and laying for cast in situ RCC piles mild steel reinforcement bars with and including the cost of straightening, removing rust, cutting, bending, binding, welding, wastage, overlaps as are not shown on the drawings. The cost of binding wire and holding the reinforcement in position is inclusive.	Tonne Ton	4477.40 4549.25	114084.50 115915.55
7-11		Providing and laying for cast in situ RCC piles intergraded deformed reinforcement with and including the cost of straightening, removing rust, cutting, bending, binding, welding, wastage, overlaps as are not shown on the drawings. The cost of binding wire and holding the reinforcement in position is inclusive.	Tonne Ton	4477.40 4549.25	116347.75 118215.15

Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
7-12	Providing and laying for pile caps, grade beams and precast piles mild reinforcement bars with and including the cost of straightening, removing rust, cutting, bending, binding, welding, wastage, overlaps as are not shown on the drawings. The cost of binding wire and precast 1:2:4 cement concrete or M.S. chairs for binding and holding the reinforcement in position is inclusive.	Tonne Ton	4639.05 4713.50	98973.55 100562.10
7-13	Providing and laying for pile caps, grade beams, and precast pile integrated deformed bars with and including the cost of straightening, removing rust, cutting, bending, binding, wastage, overlaps as are not shown on the drawings. The cost of binding wire and precast 1:2:4 cement concrete or M.S. chairs for binding and holding the reinforcement in position is inclusive.	Tonne Ton	4639.05 4713.50	95615.15 97149.75
7-14	Providing and laying cement concrete using Lawrencepur sand & Margalla crushed stone 3/4" (19 mm) and down gauge in pile caps, tee beams, and grade beams in dense homogeneous concrete mix including formwork and its removal, compacting, curing, and bailing out or pumping out sub-soil water during concreting, but excluding the cost of reinforcement.			
a)	1 : 1 : 2	Cu.m. Cu.ft..	913.80 25.90	12975.55 367.50
b)	1 : 1.5 : 3	Cu.m. Cu.ft..	913.80 25.90	11712.15 331.70
c)	1 : 2 : 4	Cu.m. Cu.ft..	913.80 25.90	10895.70 308.55
d)	Deduct from item 7-14(a) if local crushed aggregate is used in place of crushed stone	Cu.m. Cu.ft..	- -	1291.70 36.60
e)	Deduct from item 7-14(b) if local crushed aggregate is used in place of crushed stone	Cu.m. Cu.ft..	- -	1233.00 34.90
f)	Deduct from item 7-14(c) if local crushed aggregate is used in place of Margalla crushed stone	Cu.m. Cu.ft..	- -	1130.25 32.00
7-15	Boring by percussion, direct rotary or reverse rotary method for piling in any kind of soil including extraction of casing pipe and or using bentonite as applicable in all kinds of soil except shingle, gravel or rock.			
a)	From ground level upto 250 ft (76 m) below ground level			
i.	15" to 18" (375 mm to 450 mm) i/d	R.M. R.ft..	- -	7932.00 2417.70
ii.	20" to 30" (500 mm to 750 mm) i/d	R.M. R.ft..	- -	8763.00 2671.00
iii.	32" to 40" (800 to 1000 mm) i/d	R.M. R.ft..	- -	9639.30 2938.10
iv.	46" to 60" (1200 to 1500 mm) i/d	R.M. R.ft..	- -	10515.60 3205.20

Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
	b) Exceeding 250 ft (76 m) below ground level			
i.	15" to 18" (375 mm to 450 mm) i/d	R.M. R.ft..	- -	8974.00 2735.30
ii.	20" to 30" (500 mm to 750 mm) i/d	R.M. R.ft..	- -	9899.00 3017.25
iii.	32" to 40" (800 to 1000 mm) i/d	R.M. R.ft..	- -	11102.00 3383.95
iv.	46" to 60" (1200 to 1500 mm) i/d	R.M. R.ft..	- -	12475.00 3802.45
7-16	Boring by percussion, direct rotary or reverse rotary method for piling in any kind of soil including extraction of casing pipe and or using bentonite as applicable in shingle, gravel or rock.			
	a) From ground level upto 250 ft (76 m) below ground level			
i.	15" to 18" (375 mm to 450 mm) i/d	R.M. R.ft..	- -	14245.00 4341.95
ii.	20" to 30" (500 mm to 750 mm) i/d	R.M. R.ft..	- -	16242.00 4950.60
iii.	32" to 40" (800 to 1000 mm) i/d	R.M. R.ft..	- -	19278.60 5876.20
iv.	46" to 60" (1200 to 1500 mm) i/d	R.M. R.ft..	- -	21031.20 6410.40
	b) Exceeding 250 ft (76 m) below ground level			
i.	15" to 18" (375 mm to 450 mm) i/d	R.M. R.ft..	- -	16382.00 4993.30
ii.	20" to 30" (500 mm to 750 mm) i/d	R.M. R.ft..	- -	18678.00 5693.10
iii.	32" to 40" (800 to 1000 mm) i/d	R.M. R.ft..	- -	22170.40 6757.60
iv.	46" to 60" (1200 to 1500 mm) i/d	R.M. R.ft..	- -	24185.90 7371.95