

SCHEDULE - B

Name of Work :- Allotment of Plot No.49 of SIPC location-2,work of laying of water supply pipeline till boundary of Plot No.49.					
T.I. No.	Description of Item	Quantity	RATE	UNIT	AMOUNT
			IN FIG	IN FIG	
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	1946.06		M ³	
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	1530.42		M ³	
3	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	131.77		M ³	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	193.42		M ³	
5	Providing and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329 : (a) 300 mm dia Ductile Iron Class K-9 pipes	1200.00		Rmt	
6	Providing and laying D.I. specials of class K-12 suitable for push-on jointing as per IS : 9523 : (a) Up to 600 mm dia	10.46		Quintal	
7	Providing and fixing valves of rising stem, out side scew & yoke , Bolted Ronnet , Renewable seat ring, hand wheel operated, body & Bonnet ASTM A105, Trim stellited, Stem 13 Cr SteelMfg Std. 598 complete with bolts, nuts, rubber insertions etc.				
	(a)300 mm Dia Class-I	2.00		Each	
	(b)200 mm Dia Class-I	2.00		Each	
8	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) : (a) 100 mm dia	1.00		Each	
9	Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket :	32.00		Joints	

T.I. No.	Description of Item	Quantity	RATE	UNIT	AMOUNT
			IN FIG	IN FIG	
10	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering,shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.“(Note :- Cement content considered in this item is @ 330 kg/cum.“Excess/ less cement used as per design mix is payable/recoverable separately).				
(A)	All works upto plinth level. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	23.72		M ³	
(B)	All works above plinth level upto floor V level. Providing M-30 grade concrete instead of M-25 grade BMC/RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum)	15.56		M ³	
11	Centering and shuttering including strutting, propping etc. and removal of form for all heights : (a) Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	115.12		Sqm	
12	Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete (a) upto plinth level and above plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more.	8838.90		Kg	
13	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 12 mm cement plaster	179.76		Sqm	
14	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface Water thinnable cement primer	158.00		Sqm	
15	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade (a) Two or more coats on new work	158.00		Sqm	
16	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	329.31		Kg	
17	Testing of pipeline at a pressure of 10 Kg/cm ² including the cost of making all arrangements and adjustment for testing, recording, water filling etc to satisfaction of Engineer in charge complete all labours and materials.(Upto 200mm Dia)	1.00		Job	
18	Cutting road and making good the same including supply of extra quantities of materials i.e. aggregate, moorum screening, red bajri and labour required. (a) bituminous portion	6.00		M ³	

T.I. No.	Description of Item	Quantity	RATE	UNIT	AMOUNT
			IN FIG	IN FIG	
19	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : (a) 500 mm dia. R.C.C. pipe	50.00		Rmt.	
20	Dismantling of 450mm dia pipeline & joint with 300 mm dia DI pipeline with cutting, bolting, welding, etc.. including all machineries labours etc. complete as per Engineer in charge.	1.00		Job	
21	Supplying and fixing of 200mm water meter of approved make by GWS&SB complete the job as directed by Engineer in charge and direction of GWS&SB.	1.00		each	
22	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : (A) Cement mortar 1:6 (1 cement : 6 coarse sand)	10.80		M ³	
23	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : (A) Cement mortar 1:6 (1 cement : 6 coarse sand)	18.36		M ³	
24	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : (A) Powder coated aluminium (minimum thickness of powder coating 50 micron)	37.02		Kg.	
25	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	4.00		M ²	
26	Operation & maintenance of pump at SIPC water supply and supplying water through various type of valves including maintaining all the electrical and mechanical equipments, in addition to maintain the machinery in good condition and to take preventive measures like overhauling of pump and valve etc. from time to time including minor repairs and as directed by engineer in charge				
	(A) Bhisti (1x 180)	180.00		Day	
	(B) Chowkidar (1x 180)	180.00		Day	

T.I. No.	Description of Item	Quantity	RATE	UNIT	AMOUNT
			IN FIG	IN FIG	
27	Supply, Installation, Testing and required chemical earthing, Commissioning of 60 HP, 3 phases, 50 Hz, operating voltage 415 Volt, Head XX Mtrs, Flow 200 M3/Hrs, pump out let 10" centrifugal Motor Pump set along with all accessories, Digital Control Panel, Star delta, over current, Under Current, Dry Run, Moisture Protection as per including with the 20 Mtrs MS pipe line as per required DIA for pump. Complete as directed by engineer in charge.	2.00		Each	
28	Soling with trap stone boulders of 15 cm thick or more each side including packing Collection and Carriage of Soling stone & masonry stone of trap stone metal 40 to 60 mm at site of work including royalty, quarrying, breaking, loading, unloading, transport screening and stacking all labour and materials complete.as directed by engineer in charge.	15.55		M3	
Total					

SE(PL)
Deendayal Port Authority