

PIPELINE DIVISION

SCHEDULE - B

Name of Work :- Annual Maintenance Contract for water supply line and misc. civil works for Overhead & underground water tank inside & outside cargo jetty at Kandla for a period of two years.

T.I. No.	Description of Item	Quantity	RATE		UNIT	AMOUNT
			IN FIG	IN WORDS	IN FIG	
1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	35.00	2049.67	Rupees Two Thousand Forty Nine and Paise Sixty Seven Only	M ³	71738.45
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge (A) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	28.00	1404.97	Rupees One Thousand Four Hundred Four and Paise Ninety Seven Only	M ³	39339.16
3	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	70.00	200.80	Rupees Two Hundred and Paise Eighty Only	M ³	14056.00
4	Providing and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329 :					
	(a) 100 mm dia Ductile Iron Class K-7 pipes	140.00	784.77	Rupees Seven Hundred Eighty Four and Paise Seventy Seven Only	Rmt	109867.80
	(b) 150 mm dia Ductile Iron Class K-7 pipes	140.00	1120.91	Rupees One Thousand One Hundred Twenty and Paise Ninety One Only	Rmt	156927.40
	(C) 200 mm dia Ductile Iron Class K-7 pipes	140.00	1383.17	Rupees One Thousand Three Hundred Eighty Three and Paise Seventeen Only	Rmt	193643.80
5	Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres					

	(a) Up to 150 mm diameter	50.00	185.26	Rupees One Hundred Eighty Five and Paise Twenty Six Only	Each	9263.00
	(b) Above 150 mm diameter	38.00	683.62	Rupees Six Hundred Eighty Three and Paise Sixty Two Only	Each	25977.56
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	10.00	12009.13	Rupees Twelve Thousand Nine and Paise Thirteen Only	QTL.	120091.30
7	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately)					
	(a) 100 mm Dia Class - I	30.00	2868.53	Rupees Two Thousand Eight Hundred Sixty Eight and Paise Fifty Three Only	Each	86055.90
	(b) 150 mm Dia Class - I	30.00	4186.32	Rupees Four Thousand One Hundred Eighty Six and Paise Thirty Two Only	Each	125589.60
	(c) 200 mm Dia Class - I	30.00	8126.65	Rupees Eight Thousand One Hundred Twenty Six and Paise Sixty Five Only	Each	243799.50
	(d) 300 mm Dia Class-I	8.00	16213.89	Rupees Sixteen Thousand Two Hundred Thirteen and Paise Eighty Nine Only	Each	129711.12
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	8.00	5749.87	Rupees Five Thousand Seven Hundred Forty Nine and Paise Eighty Seven Only	Each	45998.96
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 :					
	(a) 100 mm dia pipes	20.00	67.31	Rupees Sixty Seven and Paise Thirty One Only	Joints	1346.20

	(b) 150 mm dia pipes	20.00	109.24	Rupees One Hundred Nine and Paise Twenty Four Only	Joints	2184.80
	(c) 200 mm Dia pipes	20.00	160.65	Rupees One Hundred Sixty and Paise Sixty Five Only	Joints	3213.00
10	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	70.00	1512.84	Rupees One Thousand Five Hundred Twelve and Paise Eighty Four Only	M³	105898.80
11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level (A) 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	50.00	4428.24	Rupees Four Thousand Four Hundred Twenty Eight and Paise Twenty Four Only	Cum	221412.00
	(b) 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size).	50.00	5058.87	Rupees Five Thousand Fifty Eight and Paise Eighty Seven Only	Cum	252943.50
12	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : (A) 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	60.00	5854.94	Rupees Five Thousand Eight Hundred Fifty Four and Paise Ninety Four Only	Cum	351296.40
13	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	20.00	7503.51	Rupees Seven Thousand Five Hundred Three and Paise Fifty One Only	Cum	150070.20
14	Centering and shuttering including strutting, propping etc. and removal of form for all heights :					
	(a) Foundations, footings, bases of columns, etc. for mass concrete	24.00	215.57	Rupees Two Hundred Fifteen and Paise Fifty Seven Only	Sqm	5173.68
	(b) Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	50.00	468.69	Rupees Four Hundred Sixty Eight and Paise Sixty Nine Only	Sqm	23434.50

	(c) Suspended floors, roofs, landings, balconies and access platform	50.00	536.59	Rupees Five Hundred Thirty Six and Paise Fifty Nine Only	Sqm	26829.50
15	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : (a) 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	60.00	5854.94	Rupees Five Thousand Eight Hundred Fifty Four and Paise Ninety Four Only	M³	351296.40
16	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. (a) Thermo-Mechanically Treated bars of grade Fe-500D more.	22000.00	62.76	Rupees Sixty Two and Paise Seventy Six Only	Kg	1380720.00
17	CEMENT PLASTER (IN FINE SAND) cement plaster of mix : 1:4 (1 cement: 4 fine sand) 12 mm	450.00	206.40	Rupees Two Hundred Six and Paise Forty Only	Sqm	92880.00
18	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	450.00	38.85	Rupees Thirty Eight and Paise Eighty Five Only	Sqm	17482.50
19	Cleaning of under ground sump, Over Head R.C.C. Tank (independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:- (i) Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits. (ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water (iii) Chlorination of RCC internal surface by liquid chlorine (iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface. (v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge	40640.00	49.91	Rupees Forty Nine and Paise Ninety One Only	M²	2028342.40
20	Providing and fixing PTMT bib cock of approved quality and colour. (A) 15mm nominal bore, 86 mm long, weighing not less than 88 gms	250.00	76.90	Rupees Seventy Six and Paise Ninety Only	Each	19225.00

21	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface Water thinnable cement primer	700.00	45.12	Rupees Forty Five and Paise Twelve Only	M ²	31584.00
22	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. (A) On steel work	250.00	141.19	Rupees One Hundred Forty One and Paise Nineteen Only	M ²	35297.50
23	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade (a) Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	250.00	243.81	Rupees Two Hundred Forty Three and Paise Eighty One Only	M ²	60952.50
24	Lettering with black Japan/ Synthetic enamel/ floor enamel/ enamel paint of approved brand and manufacture as directed by engineering incharge.	6000.00	3.54	Rupees Three and Paise Fifty Four Only	per letter per cm height	21240.00
25	Hire charges of Pump set of capacity 4000 litres/hour	30.00	700.00	Rupees Seven Hundred Only	Per Day	21000.00
26	Hiring charges for Hydraulic Excavator (3D) with driver and fue 0.5 to 1.00M3 including wages for driver, cleaner and cost of fuel, in all short of soil.complete as directed	35.00	7000.00	Rupees Seven Thousand Only	Day	245000.00
27	Hiring charges for tractor including trolley of loading capacity 5 MT including wages for driver, cleaner and cost of fuel, in all short of soil. complete as directed	35.00	1200.00	Rupees One Thousand Two Hundred Only	Day	42000.00
28	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.	3000.00	65.14	Rupees Sixty Five and Paise Fourteen Only	Kg	195420.00
29	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.					
	a) 25 mm dia nominal bore	300.00	292.57	Rupees Two Hundred Ninety Two and Paise Fifty Seven Only	Rmt	87771.00
	b) 50 mm dia nominal bore	300.00	457.94	Rupees Four Hundred Fifty Seven and Paise Ninety Four Only	Rmt	137382.00

30	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete	180.00	654.92	Rupees Six Hundred Fifty Four and Paise Ninety Two Only	Sqm	117885.60
31	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete	140.00	656.95	Rupees Six Hundred Fifty Six and Paise Ninety Five Only	Sqm	91973.00
32	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete					
	B) 25 mm nominal bore Vertical	40.00	279.41	Rupees Two Hundred Seventy Nine and Paise Forty One Only	Each	11176.40
33	Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : 1:1½:3 (1 Cement: 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size).	120.00	11033.72	Rupees Eleven Thousand Thirty Three and Paise Seventy Two Only	M3	1324046.40
34	Providing and laying matt finished vitrified tile of size 300x300x9.8mm having water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	50.00	875.53	Rupees Eight Hundred Seventy Five and Paise Fifty Three Only	M²	43776.50

35	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) : Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	120.00	303.77	Rupees Three Hundred Three and Paise Seventy Seven Only	Kg.	36452.40
36	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : (A) One urinal basin with 5 litre white P.V.C. automatic flushing cistern	6.00	3688.20	Rupees Three Thousand Six Hundred Eighty Eight and Paise Twenty Only	Each	22129.20
37	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	12000.00	10.15	Rupees Ten and Paise Fifteen Only	Sqm	121800.00
38	Repairing and refixing the sluice valves including of gressing of valves, cleaning of inside valves body and disk of valves and rod of valves and glans fixing of new ms nut bolts and washers with including of valves chambers cleaning by applying of labours,with tools and tackles this all job complete as per directed by engineer in charge .	100.00	1404.84	Rupees One Thousand Four Hundred Four and Paise Eighty Three Only	Job	140483.70
39	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.	350.00	64.93	Rupees Sixty Four and Paise Ninety Three Only	M²	22725.50

40	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	5700.00	68.32	Rupees Sixty Eight and Paise Thirty Two Only	M²	389424.00
41	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	400.00	665.70	Rupees Six Hundred Sixty Five and Paise Seventy Only	M²	266280.00
42	Providing and placing in position 100 mm thick factory made machine batched & machine mixed Precast RCC Rectangular Covers on drains of footpath of various sizes, of M-25 grade cement concrete for RCC work, including cost of centering, shuttering, reinforcement of 8 mm dia TMT bars of Fe 500 grade @ maximum 100mm c/c on both ways , neat cement punning on finished surface, properly encased on all edges with 1.6 mm thick , 100 mm wide MS sheet duly painted over priming coat , reinforcement to be welded at edges with MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc i/c cost of cartage, all leads & lift, handling at site etc. all complete as per direction of Engineer-in-Charge.	50.00	1832.01	Rupees One Thousand Eight Hundred Thirty Two and One Paise Only	Sqm	91600.50
43	Servicing & over hauling the existing pump of 50 HP, and making it in safe running condition following steps are required to be taken: pump ampler (GM) 1 Nos Pump bush (GM) 2 Nos pump bearing-6310 2 Nos Pump stud Net (SS) 16 Nos Pump oil seal & grand set 1 Nos Pump oring & rubber ring set 1 Nos Pump packing set 1 Nos Pump repairing servicing & refitting	10.00	37962.18	Rupees Thirty Seven Thousand Nine Hundred Sixty Two and Paise Eighteen Only	Job	379621.83

44	Deployment of Pump Operators and chokidar and Valve man for operation of Centrifugal Pumps, Submersible Pumps, Valves and Besides this the operator has to do a routine check up of water supply line. chokidar has to be deputed for security purpose of drinking water tower for the shift of 2Nd and 3Rd at water tower No.4 and Water tower No.5 inside cargo jetty. complete as directed engineer in charge. (A) Pump Operator & Valve man	2920.00	726.99	Rupees Seven Hundred Twenty Six and Paise Ninety Eight Only	Each	2122796.20
	(B) Chowkidar	2920.00	598.09	Rupees Five Hundred Ninety Eight and Paise Nine Only	Each	1746434.48
Total Rs.==>						14212061.14

I/ We am/are willing to carry out this work at _____ % above/ below (percentage should be written in figure and words)
The tendered rates mentioned above amount of my/ our tender are put as under:-

Estimated amount put to tender Rs. _____
Deduct _____ % below(-) Rs. _____
Net Rs. _____
In words (Rupees _____)
_____)

Estimated amount put to tender Rs. _____
Add _____ % above(+) Rs. _____
Total Rs. _____
In words (Rupees _____)
_____)

Contractor

DY. CHIEF ENGINEER (PL)
DEENDAYAL PORT AUTHORITY