

# KARACHI WATER AND SEWERAGE BOARD

## OFFICE OF THE EXECUTIVE ENGINEER

### KORANGI TOWN (WATER)

#### ANNEXTURE – II

#### ANNUAL PROCUREMENT PLAN

( F. Y 2016-2017)

Sr. No.	Description of Procurement	Quantity (Where applicable)	Estimated unit cost (where applicable)	Estimated total cost (in Million Rs)	Funds allocated (in Million Rs)	Source of funds (ADP/Non ADP)	Proposed Procurement Method)	Timing of Procurement 2016-2017			
								Q1	Q2	Q3	Q4
1	B.G #K-013-16 1. Providing and laying 110mm,160mm pe pipe and const. of c.c vata 15"dia, & 18"dia line to improvement of water supply system in o-area 9000rd,13000rd korangi division. 2. Replacement of contamination 12" dia water line crossing main nallah at tanzeem floor mill road 10000 Korangi town. 3. Providing and laying 110mm pipe and extension from 110mm pe pipe and const. of c.c vata 15"dia,18"dia to imp. Of water supply system in sector 32-b,s-area Korangi division. 4. Providing and laying pe pipe and extension from 160mm p.e pipe line and construction of c.c vata 15"dia,18"dia to imp. Pf water supply system in korangi division.	Copy Attached	Copy Attached	0.990 Million	9.00Million	Non ADP	Single Stage one envelop system			19 Jan	
		Copy Attached	Copy Attached	0.958 Million	=	Non ADP	=			18 Jan	
		Copy Attached	Copy Attached	0.958 Million	=	Non ADP	=			18 Jan	
		Copy Attached	Copy Attached	0.956 Million	=	Non ADP	=			19 Jan	

	<p>5. Repairing of leakages 15" dia, 18" dia, 24" dia &amp; const of c.c vata 15" dia 18" dia, 24" dia to imp. Of w/s system in 9000rd, 12000rd, 1300 Ord Abdul Qadir Jilani road Korani division.</p> <p>6. p/1 280mm pe pipe &amp; interconnection from 24" dia line to imp. Of water supply system in Allahabad colony Korangi division.</p> <p>7. Havoc contamination reaping leakages c.c vata during water supply for imp. Of w/s in Korangi Division.</p>	<p>Copy Attached</p> <p>Copy Attached</p> <p>==</p>	<p>Copy Attached</p> <p>Copy Attached</p> <p>==</p>	<p>0.943 Million</p> <p>3.375 Million</p> <p>0.999 Million</p>	<p>==</p> <p>==</p> <p>==</p>	<p>Non ADP</p> <p>Non ADP</p> <p>Non ADP</p>	<p>==</p> <p>==</p> <p>==</p>	<p>21 Nov</p>	<p>4<sup>th</sup> Qtr</p> <p>4<sup>th</sup> Qtr</p>
<p>2</p> <p>B.G # K-013-17</p> <p>1. Providing and laying 110mm p.e pipe and interconnection from 24" dia existing pipe to improvement of water supply system in 34-3 area Korangi division.</p> <p>2. Providing and laying 110mm p.e pipe &amp; interconnection from 24" dia main existing line to improvement the water supply system in 33-d area Korangi division.</p> <p>3. Providing and laying 160mm p.e pipe and inter connection from 15" dia line to improvement of water supply system in sector 32-c Korangi division.</p> <p>4. Providing and laying 110mm pe pipe to facilitate the tail end consumer of s-area Korangi town.</p>	<p>Copy Attached</p> <p>Copy Attached</p> <p>Copy Attached</p> <p>Copy Attached</p>	<p>Copy Attached</p> <p>Copy Attached</p> <p>Copy Attached</p> <p>Copy Attached</p>	<p>0.979 Million</p> <p>0.981 Million</p> <p>0.981 Million</p> <p>0.909 Million</p>	<p>4.00 Million</p> <p>==</p> <p>==</p> <p>==</p>	<p>Non ADP</p> <p>Non ADP</p> <p>Non ADP</p> <p>Non ADP</p>	<p>Single Stage one envelop system</p> <p>==</p> <p>==</p> <p>==</p>	<p>19 Jan</p> <p>18 Jan</p> <p>19 Jan</p> <p>28 Octo</p>	<p>19 Jan</p> <p>18 Jan</p> <p>19 Jan</p>	

3	B.G # K-013-18 1. Providing and laying 160mm p.e pipe and interconnection from 15"dia main line to improvement of water supply system in sector 32-b korangi division. 2. Providing and laying 110mm p.e pipe and interconnection from 15"dia line and construction of c.c vata 15"dia,18"dia line to imp. Of water supply system in korangi division. 3. Providing laying 160mm p.e pipe and interconnection from 15"dia line to imp. Of water supply system in sector 51-a,b korangi town.	Copy Attached	Copy Attached	Copy Attached	0.951Million	3.5Million	Non ADP	Single Stage one envelop system	21 Nov
		Copy Attached	Copy Attached	Copy Attached	0.939Million	= =	Non ADP	= =	21 Nov
		Copy Attached	Copy Attached	Copy Attached	0.936Million	= =	Non ADP	= =	21 Nov

**NOTE:** This may be possible 100% that this divisional works pertain to repair & maintenance when ever and where require, the works shown in the above noted plan are not final, because in case of emergency and other reason another work can be includes in excess of above noted work or may be replaced from existing work.

This is for further information please.

*Joseph M. Tal*  
EXECUTIVE ENGINEER (W)  
KORANGI TOWN, KW&SB

**INFORMATION OF QUANTITY AND ESTIMATE UNIT COST**

**SUBJECT : REPLACEMENT OF CONTAMINATION 12"DIA WATER LINE CROSSING MAIN  
NALLAH AT TANZEEM FLOOR MILL ROAD 10000 KORANGI TOWN**

S NO	DESCRIPTION	QUANTITY	RATE	PER	AMOUNT
1	The existing road surface	390 Sft	116.16	%Sft	453.02/2
2	Excavation for pipe line in trenches and pits in all kind of soil murum i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by engineer incharge providing frame guards light flags and temporary crosswings for non-vehicular traffic where ever requires lift upto 5ft (1.25m) and lead upto one chain (30.5m) 0'-5'	1950 Cft	4650	%Cft	9067.50/2
3	Excavation for pipe line in trenches and pits in hard rock by hammering and chiseling i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by engineer incharge providing frame guards light flags and temporary crosswings for non-vehicular traffic where ever requires lift upto 5ft (1.25m) and lead upto one chain (30.5m) 0'-5'	1170 Cft	24700	%Cft	28899/2
		1170 Cft	25250	%Cft	29542/2
		1170 Cft	25800	%Cft	30186/2
4	Sand havo or any other source sand of the same modules of the finenes(hill sand)	390 Cft	2425	%Cft	9457.50/2
5	Providing laying & fixing in trench i/c fitting jointing & testing etc complete in all respect the high density polyethylene PE pipes (HDPE-100) for W/S conforming ISO 4427/DIN8074/8075 B S 3580 & PSI 3051 (PN-10) 315MM	130 Rft	1998	P/Rft	259740/2
6	Providing & fixing MS split collar tee on PRCC pipe of different sizes having width as mentioned against each fabricated with 3/8" thick MS plate excluding the cost of the neck It includes the cost of 3/4" thick MS flanges square bars on both ends.4nos 3/4"MS square bars on both end 4 nos 1/2"thick MS i/c the cost of nuts & bolts.labour.sealing material etc with a total weight as mentioned Wide 2'-6" net weight 148.168kg 15" x 15"	2 Nos	26315	Each	52630/2
7	Providing & fixing 10-9" long 3/8" thick MS neck to existing MS pipe to a split collar tee having a total weight as mentioned against each item it include the cost of fabrication and welding to the split collar tee Net Weight 27.27kgs 12"Dia	2 Nos	4726	Each	9452/2
8	C.I sluice Valve heavy pattern (Test pressure 210Kg/Sq com or 3001 bs/sq. inch)(imported) 15"Dia 12"Dia	1 Nos	107250	Each	107250/2
		1 Nos	78000	Each	78000/2
9	Fixing of sluice valves with 2-cast iron tailpieces, one end flanged and other worth socket including the cost of nuts bolts and rubber paking labour etc complete 15"Dia 12"Dia	1 Nos	5101	Each	5101/2
		1 Nos	3821	Each	3821/2
10	Full hour Charges of pumping set i/c wages of driver and asst fule on electric energy platform required for placing pump and delivery pipe for pumping out water found at lower depth with suction various depth from trenches including the cost of erection and dismantling after completion of thngset upto 10HP pu e job/hire charges of pumpumping out water from 10ft deep trenches	8 Days	1500	P/Day	12000/2
11	Construction of CCBM chamber of size as required dimension with 24"x24" C.I cover from weight 65Kg fixed in RCC 1:2:4 slab with steel 1/2" tor bar @ 6" c/c with bent up both way 1/2" dia 8" c/c distribution bars C.C 1:3:6 B.M wall set 1:6:6 i/c 1:4:8 in foundation 2" thick C.C 1:2:4 flooring 1/2" thick cement plaster 1:3 inside wall surface 1'-0" deep up to roof slab i/c MS footrest 3/8" dia bar at every 2' deep i/c curing dewatering excavation refilling and disposal of surplus earth etc complete 6x6x6	2 Nos	55923	Each	111846/2

12	Repairing of leaking joint (External Vatta) on PRCC pipe of various diameter it i/c the cost of Excavation, labor sealing gunny bags, dewatering and refilling of the excavated stuff etc complete	8 Nos	10729	Each	85832½
		8 Nos	13841	Each	110728½
13	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete	5347.48 Cft	2760	%/Cft	14759.04
				Total	958765½

  
 EXECUTIVE ENGINEER (W)  
 KORANGI TOWN, KW&SB

# Karachi Water & Sewerage Board

OFFICE OF THE EXECUTIVE ENGINEER (WATER) KORANGI TOWN, KW&SB.

*Replacement of Contaminated  
W/C crossing main Allah at Panjgur  
Ghar Hill Rd. R.D.*

## ABSTRACT OF COST

DESCRIPTION OF WORK	QUANTITY	RATE	UNIT	AMOUNT
Laying of surface road.. <i>The existing road surface</i> Excavation for pipe line in trenches, and all kind of soil murum in hard rock by hammering and dressing i/c trimming and dressing sides true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by engineer Incharge. Providing fence guards, lights, flags and temporary crossing for vehicular traffic where ever required lift upto 5ft. (1.52) and lead upto one chain (30.5m). Excavation for pipe line in trenches and all kind of soil of murum i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by engineer incharge. Providing fence guards, light flags and temporary crossings for non-vehicular traffic where ever requires lift upto 5ft (1.52m) and lead upto one chain (30.5m). (5-8) Sand haro or any other source sand (8-11) Same modules of the same (hill sand). (11-14) Providing laying & fixing in trench i/c jointing & testing etc. complete in respect the high density polythlene pipes (HDPE-100) for W/S conforming to DIN 8074/8075 B.S 3580 & PSI (PN-10) 15 mm	✓ 390 3000 sft ✓ ✓ 1950 4110 Cft ✓ 1170 1950 cft 1170 1170 cft ✓ 390 Cft ✓ 130 rft	✓ 116/16 268 ✓ ✓ 4650 24150 ✓ 24700.00 4650 25250.00 25800.00 2425. ✓ 1998	✓ %Sft ✓ ✓ %Cft ✓ %Cft ✓ %Cft ✓ P/rft	✓ 453.02 8040.00 ✓ 9067.50 99256.50 ✓ 28899.00 9067.50 27542.50 30186.00 ✓ 9457.50 ✓ 259740

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DESCRIPTION OF WORK	QUANTITY	RATE	UNIT	AMOUNT
<p>Installation &amp; fixing M.S split collar tee on PRCC</p> <p>of different sizes having width as mentioned</p> <p>against each item to suit the size of connection</p> <p>connected with 3/8" thick M.S Plate excluding the</p> <p>of the neck, it includes the cost of 3/4" thick</p> <p>flanges, with a total weight as mentioned. <i>against each it i/c The cost of Nuts bolts, rubber packing etc.</i></p> <p>(wide) Net Weight = 198.16 kgs 15 x 15</p> <p>Installation &amp; fixing 0-9" long 3/8" thick</p> <p>M.S Neck to existing M.S pipe or to a split</p> <p>collar tee having a total weight as mentio-</p> <p>ned against each item it include the cost</p> <p>of fabrication and welding to the split collar</p> <p>Net Weight = 27.27 kgs 12" DIA</p> <p>sluice valve heavy pattern</p> <p>test pressure 21.09Kg/sq.com or 300lb/sq.</p> <p>(imported).</p>	<p>✓ 2 Nos</p>	<p>26315.00</p>	<p>Each</p>	<p>52630.00</p>
<p>Installation of sluice Valves with 2-cast iron tailpieces</p> <p>and flanged and other with socket including</p> <p>the cost of nuts bolts and rubber packing labour</p> <p>complete.</p>	<p>✓ 1 Nos</p>	<p>107250.00</p>	<p>Each</p>	<p>107250.00</p>
<p>Installation of sluice Valves with 2-cast iron tailpieces</p> <p>and flanged and other with socket including</p> <p>the cost of nuts bolts and rubber packing labour</p> <p>complete.</p>	<p>✓ 1 Nos</p>	<p>78000.00</p>	<p>Each</p>	<p>78000.00</p>
<p>Installation of sluice Valves with 2-cast iron tailpieces</p> <p>and flanged and other with socket including</p> <p>the cost of nuts bolts and rubber packing labour</p> <p>complete.</p>	<p>✓ 1 Nos</p>	<p>5101.00</p>	<p>Each</p>	<p>5101.00</p>
<p>Installation of sluice Valves with 2-cast iron tailpieces</p> <p>and flanged and other with socket including</p> <p>the cost of nuts bolts and rubber packing labour</p> <p>complete.</p>	<p>✓ 1 Nos</p>	<p>3821.00</p>	<p>Each</p>	<p>3821.00</p>
<p>Hour Charges of the pumping set per day i/c</p> <p>charges of driver and asst: fuel or electric</p> <p>plat forms required for placing pump</p> <p>at lower depth with suction and delivery</p> <p>for pumping out water found at various</p> <p>depths from trenches including the cost of</p> <p>erection and dismantling after completion of the</p> <p>work. <i>charges of pumping set upto</i></p> <p><i>10 ft deep trench</i></p> <p>Construction of C.C/B/M chamber of size,</p> <p>required dimension with 24"x 24" C.I</p> <p>cover from weight 50 Kg fixed in RCC 1:2:4</p> <p>with steel 1/2" tor bar @ 6" c/c with</p> <p>both way <i>8" thick</i> C.C 1:3:6 B/M wall set 1:6</p> <p>2:4:8 in foundation 2" thick C.C 1:2:4</p> <p>with 1/2" thick cement plaster 1:3 inside</p> <p>and surface 1'-0" deep up to roof slab i/c</p> <p>with 5/8" dia bar at every 2" deep</p> <p>including dewatering excavation refilling and</p> <p>removal of surplus earth etc complete.</p>	<p>✓ 8</p> <p><del>16</del> Nos</p>	<p>1500.00</p>	<p>Each</p>	<p>12000</p> <p><del>24000.00</del></p>
<p>Construction of C.C/B/M chamber of size,</p> <p>required dimension with 24"x 24" C.I</p> <p>cover from weight 50 Kg fixed in RCC 1:2:4</p> <p>with steel 1/2" tor bar @ 6" c/c with</p> <p>both way <i>8" thick</i> C.C 1:3:6 B/M wall set 1:6</p> <p>2:4:8 in foundation 2" thick C.C 1:2:4</p> <p>with 1/2" thick cement plaster 1:3 inside</p> <p>and surface 1'-0" deep up to roof slab i/c</p> <p>with 5/8" dia bar at every 2" deep</p> <p>including dewatering excavation refilling and</p> <p>removal of surplus earth etc complete.</p>	<p>✓ 2 Nos</p>	<p>55923.00</p>	<p>Each</p>	<p>111846.00</p>
<p>Installation of leaking joint (External Vatta) on</p> <p>sluice valve of various diameter it i/c the cost</p> <p>of material, labor sealing gunny bags.</p> <p>excavation and refilling of the excavated stuff</p>	<p>✓ 8 Nos</p>	<p>10729.00</p>	<p>Each</p>	<p>85832.00</p>
<p>Installation of leaking joint (External Vatta) on</p> <p>sluice valve of various diameter it i/c the cost</p> <p>of material, labor sealing gunny bags.</p> <p>excavation and refilling of the excavated stuff</p>	<p>✓ 8 Nos</p>	<p>13841.00</p>	<p>Each</p>	<p>110728.00</p>

576650

**DESCRIPTION OF WORK**

Refilling the excavated stuff in trenches  
 thick layer i/c watering ramming to full  
 compaction etc. complete.

QUANTITY	RATE	UNIT	AMOUNT
6060 cft	2760.00	%0cft	16725.60
5347.48	2760/-	✓	14759.04 ✓
TOTAL:RS.			990947

*[Signature]*  
 S.E. ENGINEER (W/S)  
 KORANGI TOWN, KW&SB

A.E.E.(W/S)  
 KORANGI TOWN, KW&SB

*[Signature]*  
 EXECUTIVE ENGINEER  
 KORANGI TOWN, KW&SB

Corrected Rs. = 958764.56 ✓

Sig Rs. 958765/- ✓

Estimate checked for Rs. 9,58,765/- ✓  
 As per letter NO KW&SB/DW/Design/2012/-  
 722 dt. 29-8-2012

*[Signature]*  
 15/12/06

*[Signature]*  
 15/12/06  
 A.E.E. (W)

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 16/12/16  
 S.E. (W)

*[Signature]*  
 14/12  
 S.E. (W)

Estimate Amounting to  
**Rs. 9,58,765/-** Has Been Technically Sanctioned

*[Signature]*  
 S.E. (Korangi)  
 (DMD CTS)