

**KARACHI WATER AND SEWERAGE BOARD**  
**OFFICE OF THE EXECUTIVE ENGINEER**  
**KORANGI TOWN (WATER)**

ANNEXTURE - II  
 ANNUAL PROCUREMENT PLAN  
 ( F. Y2016-2017)

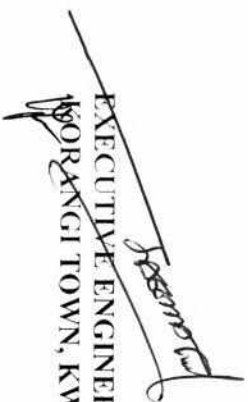
| Sr. No. | Description of Procurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 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<br>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.<br>2. Replacement of contamination 12"dia water line crossing main nallah at tanzeem floor mill road 10000 Korangi town.<br>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.<br>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                          | 0.956 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 Korangi 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 rearing leakages c.c vata during water supply for imp. Of w/s in Korangi Division.</p>                                                                                                                                                                              | Copy Attached | Copy Attached | 0.943Million  | ==          | Non ADP | ==                              | 21 Nov  | 19 Jan | 4 <sup>th</sup> Qtr |
| <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> | Copy Attached | Copy Attached | 0.979 Million | 4.00Million | Non ADP | Single Stage one envelop system |         | 19 Jan |                     |
| <p>0.999Million</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Copy Attached | Copy Attached | 0.981 Million | ==          | Non ADP | ==                              |         | 18 Jan |                     |
| <p>3.375Million</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Copy Attached | Copy Attached | 0.909 Million | ==          | Non ADP | ==                              | 28 Octo | 19 Jan |                     |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |               |               |              |            |         |                                 |        |  |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|--------------|------------|---------|---------------------------------|--------|--|
| 3 | B.G.#K-013-18<br>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.<br>2. Providing and laying 110mm p.e pipe and interconnection from 15"dia line and construction of c.c vara 15"dia,18"dia line to imp. Of water supply system in korangi division.<br>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.

  
EXECUTIVE ENGINEER (W)  
KORANGI TOWN, KW&SB

**INFORMATION OF QUANTITY AND ESTIMATE UNIT COST**

**SUBJECT: PROVIDING AND LAYING 110MM P.E PIPE & INTER CONNECTION  
FROM 24" DIA MAIN EXISTING LINE TO IMPROVEMENT THE WATER SUPPLY  
SYSTEM IN 33-D AREA KORANGI DIVISION.**

| S NO  | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                         | QUANTITY     | RATE  | PER   | AMOUNT   |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|-------|----------|
| 1     | Scarifying the existing road surface                                                                                                                                                                                                                                                                                                                                                                                                                                | 200 Sft      | 268   | %Sft  | 53600/2  |
| 2     | Excavation for pipe line in trenches and pits in wet soil clay or mud and 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) | 12000 Cft    | 5400  | %Cft  | 648000/2 |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2400 Cft     | 5950  | %Cft  | 142800/2 |
| 3     | 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 & ISI 3051 (PN-10)<br><b>110MM</b>                                                                                                                                                                                                                               | 1200 Rft     | 268   | P/Rft | 321600/2 |
| 4     | Providing & fixing M.S split collar tee on PRCC pipe of different sizes having width as mentioned against each fabricated with 3/8" thick M.S plate excluding the cost of the neck. It includes the cost of 3/4" thick M.S square bars on both ends 4nos 3/4" M.S square bars on both end 4 nos 1/2" thick M.S i/c the cost of nuts, & bolts, labour, sealing material etc. with a total weight as mentioned<br>Wide 2'-6" net weight 198.16Kg<br><b>24"x24"</b>    | 1 Nos        | 34597 | Each  | 34597/2  |
| 5     | Providing & fixing 0-9" long 3/8" thick M.S neck to existing M.S 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<br>Net Weight 6.666Kgs<br><b>4" Dia</b>                                                                                                                                                                                                     | 1 Nos        | 1229  | Each  | 1229/2   |
| 6     | CI sluice Valve heavy pattern (Test pressure 21.0Kg/Sq cm or 300Lbs/sq inch)(imported)<br><b>4" Dia</b>                                                                                                                                                                                                                                                                                                                                                             | 1 Nos        | 5460  | Each  | 5460/2   |
| 7     | Fixing of sluice valves with 2-cast iron tailpieces, one end flanged and other with socket including the cost of nuts bolts and rubber paking labour etc complete.<br><b>4" Dia</b>                                                                                                                                                                                                                                                                                 | 1 Nos        | 1532  | Each  | 1532/2   |
| 8     | Full hour Charges of pumping set i/c wages of driver and asst file 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 the job                                                                                                                                                           | 15 Days      | 1500  | P/Day | 22500/2  |
| 9     | Repairing of leaking joint (External Vatta) on PRCC pipe of various diameter i/c the cost of Excavation, labor sealing gunny bags, dewatering and refilling of the excavated stuff etc complete.<br><b>15" Dia</b>                                                                                                                                                                                                                                                  | 25 Nos       | 10729 | Each  | 268225/2 |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 15 Nos       | 13841 | Each  | 207615/2 |
| 10    | Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete                                                                                                                                                                                                                                                                                                                                                       | 14273.36 Cft | 2960  | %Cft  | 39394/2  |
| Total |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |       |       | 981768/2 |

  
 EXECUTIVE ENGINEER (W)  
 KORANGI TOWN, KW&SB

# Karachi Water & Sewerage Board

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

*P/L works PE pipe & i/c from 24" main  
existing line to conf. the w/s supply system in 53/p  
area K.D*

## ABSTRACT OF COST

| DESCRIPTION OF WORK                                                                                                                                                                                                                                                                                                                                                                                                                                               | QUANTITY  | RATE     | UNIT  | AMOUNT     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|-------|------------|
| Excavation of surface road the existing road surface.                                                                                                                                                                                                                                                                                                                                                                                                             | 200 sft   | 116.16   | %Sft  | 23233.2 ✓  |
| Excavation for pipe line in trenches and pits in wet soils clay or mud i.e 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 in 25m and lead upto one chain (30.5m). | 12000 cft | 4650     | %OCft | 55800.00 ✓ |
| Providing laying & fixing in trench i/c lifting, jointing & testing etc. complete in all respect the high density polythene PE pipes (HDPE-100) for W/S conforming to IS 4727 DIN 8074/8075 B.S 3580 & PSI PN-10 (110mm Dia) 110mm DIA                                                                                                                                                                                                                            | 2400 cft  | 5250     | %OCft | 12600.00 ✓ |
| Providing laying & fixing in trench i/c lifting, jointing & testing etc. complete in all respect the high density polythene PE pipes (HDPE-100) for W/S conforming to IS 4727 DIN 8074/8075 B.S 3580 & PSI PN-10 (110mm Dia) 110mm DIA                                                                                                                                                                                                                            | 1200 rft  | 268      | P/rft | 321600 ✓   |
| Providing & fixing M.S split collar tee on PRCC pipes of different sizes having width as mentioned against each item to suit the size of connection connected with 3/8" thick M.S Plate excluding the cost of the neck it includes the cost of 3/4" thick bars on both ends 4 Nos 3/4" thick m.s. Flange with a total weight as mentioned against each item. It also include the cost nuts & bolts, rubber packing, labour and sealing material etc.              | 1 Nos     | 34597.00 | Each  | 34597.00 ✓ |
| Providing & fixing 0-9" long 3/8" thick M.S neck to existing M.S pipe or 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                                                                                                                                                                                                                                           | 1 Nos     | 1229.00  | Each  | 1229.00 ✓  |
| Gate valve heavy pattern (test pressure 150 lb/Sq.com or 300lb/Sq.inch)(imported).                                                                                                                                                                                                                                                                                                                                                                                | 1 Nos     | 5460.00  | Each  | 5460.00 ✓  |

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| DESCRIPTION OF WORK                                                                                                                                                                                                                                                                                                                                        | QUANTITY                | RATE                     | UNIT             | AMOUNT                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|------------------|----------------------------|
| Supply of sluice Valves with 2-cast iron tailpieces<br>flange and flanged and other with socket including<br>supply of nuts bolts and rubber packing labour<br>etc. complete.                                                                                                                                                                              | ✓ 1 Nos                 | ✓ 1532.00                | ✓ Each           | ✓ 1532.00                  |
| 4" DIA                                                                                                                                                                                                                                                                                                                                                     |                         |                          |                  |                            |
| Installation Charges of the pumping set per day i/c<br>supply of driver and asst: fuel or electric<br>energy plus forms required for placing pump<br>and driver depth with suction and delivery<br>pipes for pumping out water found at various<br>depths in trenches including the cost of<br>excavation and dismantling after completion of the<br>work. | ✓ 15 days<br>28 Days    | ✓ 1500.00                | ✓ P/day          | ✓ 22500/-<br>42000.00      |
| Sealing of leaking joint (External Vatta) on<br>sluice gate of various diameter i/c the cost<br>of excavation, labor sealing gunny bags,<br>excavation and refilling of the excavated stuff<br>etc. complete.                                                                                                                                              | ✓ 25 Nos<br>✓ 15 Nos    | ✓ 10729.00<br>✓ 13841.00 | ✓ Each<br>✓ Each | ✓ 268225.00<br>✓ 207615.00 |
| 15" Ø                                                                                                                                                                                                                                                                                                                                                      |                         |                          |                  |                            |
| 18" Ø                                                                                                                                                                                                                                                                                                                                                      |                         |                          |                  |                            |
| Transporting the excavated stuff in trenches<br>to the layer i/c watering ramming to full<br>consolidation etc. complete.                                                                                                                                                                                                                                  | ✓ 14273.36<br>14400 cft | ✓ 2760.00                | ✓ %Cft           | ✓ 39399.47<br>39743.89     |
| Corrected Rs. 9,81,464.79                                                                                                                                                                                                                                                                                                                                  |                         |                          |                  |                            |
| TOTAL:RS.                                                                                                                                                                                                                                                                                                                                                  |                         |                          |                  | 990938                     |

539200/47

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

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

EXECUTIVE ENGINEER  
KORANGI TOWN, KW&SB

sy Rs. 9,81,465/-

Estimate checked for Rs. 9,81,465/-

Letter NO KW&SB/DIV/DESIGN/2012/-

dt. 29-8-2012. Addresses are incorporated in the  
measurement sheet / sketch plan by the division.

*[Signature]*  
5/12/016 sub. Eng

*[Signature]*  
5/12/016  
A.E.E. (W/S)

*[Signature]*  
5/12  
S.E. (W/S)

Estimate Amounting to  
Rs. 9,81,465/- has been Technically Sanctioned

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

DMD (TS)