



# KARACHI WATER & SEWERAGE BOARD

## OFFICE OF THE RESIDENT ENGINEER PIPRI (PUMPING & FILTER) DIVISION

Cell No.0333-2249153

Pipri Filter Plant, near Steel Town, National Highway, Pipri, Bin Qasim.

No. RE/Pipri(P&F)Div./NIT/2016-17/18/

Dated : 05/06 2017

### **NOTICE INVITING TENDERS**

**(Through Website)**

**(ON ITEM RATE BASIS)**

Sealed Tenders are invites single stage – single envelope system as per SPPRA Rules-2010 (Amended 2013) for the following works :-

**Estimated Cost below One Million**

|    |  |   |
|----|--|---|
| 1. | Name of Works  | 1). SERVICING AND REPAIR MAINTENANCE OF CHLORINATOR (PRE-POINT) WITH REPLACEMENT OF THEIR DEFECTIVE PARTS AT JBIC FILTER PLANT, PIPRI (PUMPING & FILTER) DIVISION, KW&SB<br>2). REPLACEMENT OF ELECTRICAL COMPONENT OF PANEL NO.02 OF ELECTRIC MOTOR NO.2 AND REWINDING OF ELECTRIC MOTOR NO.2 OF 150HP AT 40 MGD PUMP HOUSE, PIPRI (PUMPING & FILTER) DIVISION, KW&SB<br>3). REWINDING OF 3-PHASE ELECTRICAL MOTOR OF 150HP AND REPLACEMENT OF COMPONENT OF CONTROL PANEL OF MOTOR NO.07 AT 40 MGD PUMP HOUSE, PIPRI (PUMPING & FILTER) DIVISION, KW&SB<br>4). REWINDING OF 150HP MOTOR AND REPLACEMENT OF PARTS OF CONTROL PANEL OF MOTOR NO.08 AT 40 MGD PUMP HOUSE, PIPRI(PUMPING & FILTER) DIVISION, KW&SB<br>5). REWINDING OF 150HP ELECTRIC MOTOR AND REPLACEMENT OF ASSOCIATED CONTROL PANEL OF MOTOR NO.09 AT 40 MGD PUMP HOUSE, PIPRI(PUMPING & FILTER) DIVISION, KW&SB |
| 2. | Eligibility of Contractor                              | Bidder / Contractor having NTN / Sales Tax and Contractor should be registered with Sindh Revenue Board in terms of Rule-46(1)(iii) of SPP Rules, 2010 (Amended 2014). Turnover at least Rs.1.00 Million of last Three years must be attached with the Tender.  |
| 3. | Experience Certificate                                 | Three years Experience Certificate of similar of job must be attached with the Tender   |
| 4. | Tender can be Purchased / Issuing of Bidding Documents | Tender documents will be available for sale w.e.f. the date of Advertisement of Website from the office of the Accounts Officer (Revenue), Finance Department, KW&SB having his office at 1 <sup>st</sup> . Floor, KW&SB Head Office, Civic Centre Annex. Building, Gulshan-e-Iqbal, Karachi between 09.00A.M. to 01.00P.M.   |
| 5. | Bid Security   | 02% of the Quoted Amount in shape of Pay Order / Bank Draft in favour of Karachi Water & Sewerage Board   |

|     |   |  |
|-----|---|--|
| 6.  | Tender Cost of works  | 1).Rs.1,000/=<br>2).Rs.1,000/=<br>3).Rs.1,000/= (Non-refundable in shape of Pay order in<br>4).Rs.1,000/= favour of Karachi Water & Sewerage Board.)<br>5).Rs.1,000/=                |
| 7.  | Last date of Issuing  | W.e.f. 1 <sup>st</sup> . Advertisement on SPPRA's Website to<br>Dated : <b>21/06/2017</b> between 09.00A.M. to 01.00P.M.   |
| 8.  | Date & Time of submission and Opening of Tender.  | Submission of Tender at <b>22/06/2017</b> at 11:00 AM and Opening of Tender at 11:30 AM on same day.   |
| 9.  | Un-responded Tender will be again issued / submitted / opened (2 <sup>nd</sup> . Attempt) | 2 <sup>nd</sup> . Attempt Tender will be issue from <b>23/06/2017</b> to <b>07/07/2017</b> and Submission on <b>10/07/2017</b> at 02.00 PM and will be open on same day at 02.30 PM. |
| 10. | Place of opening.   | The Procurement Committee-I, KW&SB at the Office of the Convener / Director (Design & Estimate), KW&SB, Gulshan-e-Iqbal, Block-18, Karachi.  |
| 11. | Source of Funding   | KW&SB's own fund of current financial year 2016-2017.  |
| 12. | Scope of works  | For Improvement and smooth supply of water from Pipri (Pumping & Filter) Division, KW&SB   |

**Note:-**

1. Tender can be seen and download from SPPRA website [www.pprasindh.gov.pk](http://www.pprasindh.gov.pk)
2. The participants must quote the rates both in words and figures. Incomplete / Conditional Tenders will not be accepted.
3. In case of any undesirable circumstances arise on the submission / opening Date & Time or if Government declares the Holiday, the Tender shall be submitted / opened on next working day at the same time and venue.
4. The Procuring Agency may reject any bid subject to relevant provision of SPP Rules, 2010 and may cancel the bidding process at any time prior to acceptance of bid or proposal as per Rule-25 of said rules.
5. Conditional bid cannot be accepted.
6. Bid must be in sealed cover and experience certificate for Three years of similar nature of job must be attached with the bid.
7. Specifications and details regarding above jobs can be seen and discussed with Resident Engineer, Pipri (P&F) Division, in Division Office situated at Pipri Filter Plant, near Steel Town, National Highway, Pipri, Bin Qasim at any working day during office hours and **Contact No.:- 0333-2249153** at any working day during office hours.
8. Debarred Contractors bid cannot be accepted.

**KARACHI WATER AND SEWERAGE BOARD**



## KARACHI WATER & SEWERAGE BOARD

HUMAN RESOURCES DEVELOPMENT AND ADMINISTRATION DEPARTMENT  
PHONE NO. 021-99231464 - 021-99231463

No. KW&SB/D.M.D/HRD&A/1259

Dated: 23<sup>rd</sup> November, 2016

### CORRIGENDUM

In pursuance of office order No. KW&SB/D.M.D/HRD&A/919, dated 22-10-2015 regarding constitution of Complaint Redressal Committee (CRC) for compliance of Rule-31 of SPPRA, and Corrigendum No. KW&SB/HRD&A/D.M.D/944, dated 30.10.2015, Syed Iftikhar-ul-Hassan, D.A.O., A.G. Sindh may be read as Member instead of Sr. Director (HRM), KMC as Member.

This issues with the approval of Managing Director, KW&SB.

*Mr. Faizal*  
*Keep in record.*  
*Sd/- 28/11/16*  
*Dir (D&E)*

*[Signature]*  
Dy. Managing Director (HRD&A)  
KW&SB

### DISTRIBUTION

1. Dy. Managing Director (TS) KW&SB
2. Dy. Managing Director (Planning) KW&SB
3. Sr. Director (Finance), KW&SB / Convener Committee.
4. Chief Engineer, Korangi, KW&SB / Member/Secretary.
5. Chief Engineer, Central, KMC / Member.
6. Syed Iftikhar-ul-Hassan, D.A.O., A.G. Sindh / Member.
7. Divisional Accounts Officer (South), KW&SB / Member
8. Sr. Director (HRM), KMC.
9. S.E. East, KW&SB
10. Director (IT) KW&SB
11. Director Administration, KW&SB
12. Executive Engineer, (Sew-II), Jamshed Town, KW&SB
13. AD (LFA) KW&SB
14. AO (ESTT) KW&SB
15. Office Copy.
16. Master File.

c.c. to Managing Director, KW&SB



**KARACHI WATER & SEWERAGE BOARD**  
HUMAN RESOURCES DEVELOPMENT AND ADMINISTRATION DEPARTMENT  
PHONE NO. 021 - 99231464 - 021 - 99231463

No. KW&SB/D.M.D/HRD&A/919

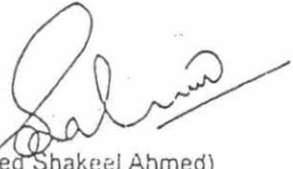
Dated: 22-10-2015

OFFICE ORDER

With immediate effect, for compliance of Rule-31 of SPPR, A Complaint Redressal Committee (CRC) is constituted comprising of the following:

- |    |  |                  |
|----|--|------------------|
| 1. | Dy. Managing Director (Finance), KW&SB     | Convener         |
| 2. | Chief Engineer (Korangi), KW&SB            | Member/Secretary |
| 3. | Chief Engineer (Central), KMC              | Member           |
| 4. | Director Administration, KMC               | Member           |
| 5. | Divisional Accounts Officer (South), KW&SB | Member           |

This issues on the recommendation of Dy. Managing Director (TS) KW&SB, Dy. Managing Director (Planning), KW&SB and with the approval of Managing Director, KW&SB.

  
(Syed Shakeel Ahmed)

Dy. Managing Director (HRD&A)  
KW&SB

DISTRIBUTION

1. Dy. Managing Director (TS) KW&SB
2. Dy. Managing Director (Finance) KW&SB/Convener Committee
3. Dy. Managing Director (Planning) KW&SB
4. Chief Engineer, Korangi, KW&SB/Member/Secretary Committee.
5. Chief Engineer, Central, KMC/Member of the Committee.
6. Director Administration, KMC/Member of the Committee.
7. Divisional Accounts Officer (South) KW&SB
8. Director (IT) KW&SB
9. Director Personnel, KW&SB
10. Director Administration, KW&SB
11. AD (LFA) KW&SB
12. AO (ESTT) KW&SB
13. Office Copy.
14. Master File.

c.c. to Managing Director, KW&SB



**KARACHI WATER & SEWERAGE BOARD**  
HUMAN RESOURCES DEVELOPMENT AND ADMINISTRATION DEPARTMENT  
PHONE NO. 021 - 99231464 - 021 - 99231463

No. KW&SB/SR. DIR./HRD&A/397

Dated: 14<sup>th</sup> April, 2016

OFFICE ORDER

The Procurement Committee-I is re-constituted as per Rule-07 of Sindh Public Procurement Rules-2010, for performing the functions prescribed in Rule-08 of Rules ibid for the works for which evaluation report required to be hoisted on Sindh Public Procurement Authority as under:

| Sr. No. | Nominee                                | Position in P.C.    |
|---------|--|---------------------|
| 1.      | Director Design & Estimate             | Convener / Chairman |
| 2.      | Superintending Engineer (Concerned)    | Member              |
| 3.      | Representative of D.G. (TS), KMC       | Member              |
| 4.      | Representative of Finance Advisor, KMC | Member              |
| 5.      | A.O. / D.A.O. / A.A.O. (Concerned)     | Member/Secretary    |

The office of the Director Design shall be headquarter for Procurement Committee-I.

The Concerned Superintending Engineer shall maintain the record of Procurement proceedings as required under Rule-9 of SPPRA-2010.

This issues on the recommendation of Chief Engineer (IPD)/D M D (Planning) KW&SB and with the approval of Managing Director, KW&SB vide para 5/N.

  
14/4/2016  
SR. DIRECTOR (HR)  
KW&SB

DISTRIBUTION

1. Dy. Managing Director (TS) /C.E. (BT&D)/C.E. (WTM) KW&SB
2. Dy. Managing Director (Planning) / C.E. (IPD) KW&SB
3. Chief Engineer (W/S) KW&SB
4. Director Design & Estimate/Convener / Chairman Committee
5. All Members of the Committee.
6. Sr. Director (Finance) KW&SB
7. Director (IT) KW&SB
8. Director (I&C) M.D Sectt: KW&SB
9. Staff Officer to Vice Chairman, KW&SB
10. AD (LFA) KW&SB
11. AO (ESTT) KW&SB
12. AO (Budget) KW&SB
13. IAO-II KW&SB
14. Office Copy.
15. Master File.

c.c. to Managing Director, KW&SB

OO-2016

  
19/4/2016

**OFFICE OF THE RESIDENT ENGINEER**  
**PIPRI (PUMPING & FILTER) DIVISION**  
**ANNUAL PROCUREMENT PLAN FOR THE YEAR 2016-17**

| Sr. No. | Description of Work  | Quantity<br>(Where<br>Applicable) | Estimated<br>Unit Cost<br>(Where<br>Applicable) | Estimated Total<br>Cost<br>(In Million Rs.) | Funds Allocated<br>(In Million Rs.) | Source of<br>Funds ADP/<br>Non-ADP | Proposed<br>Procurement<br>Method | Timing of Procurement<br>2016-2017 |    |    |                        |
|---------|--|-----------------------------------|---|---|-------------------------------------|------------------------------------|-----------------------------------|------------------------------------|----|----|------------------------|
|         |  |                                   |   |   |                                     |                                    |                                   | Q1                                 | Q2 | Q3 | Q4                     |
| 1       | <b>B. G. 6113-25</b><br>Repair, Maintenance and Replacement of Copper wire and insulator and Clamps at Old & New Staff Colony Filter Plant Pipri (P&F) Division.<br><b>Sr. No. 31887</b> | Copy Attached                     | Copy Attached                                   | Rs: 2.2933.00                               | Rs: 7.00 Million                    | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Quart. |
| 2       | Repair & Maintenance of DWT (KSB) Pump Set No. 04 Type B16-D/2 at 40MGD Pump House Pipri (P&F) Division.   | Copy Attached                     | Copy Attached                                   | Rs: 0.9524.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Quart. |
| 3       | Repair & Maintenance of DWT (KSB) Pump Set # 02 Type B16-D/2 at 40MGD Pump House Pipri (P&F) Division.   | Copy Attached                     | Copy Attached                                   | Rs: 0.9884.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Quart. |
| 4       | Servicing & Repair Maintenance of Chlorinator with Replacement of Their Defective Parts at (Pre-Point) JBIC Filter Plant, Pipri (Pumping & Filter) Division, KW&SB.                      | Copy Attached                     | Copy Attached                                   | Rs: 0.9070.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Quart. |
| 5       | Servicing & Repair Maintenance of Chlorinator with Replacement of Their Defective Parts at (Post-Point) JBIC Filter Plant, Pipri (Pumping & Filter) Division, KW&SB.                     | Copy Attached                     | Copy Attached                                   | Rs: 0.9070.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Quart. |





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|---------|---|-----------------------------------|---|---|-------------------------------------|------------------------------------|-----------------------------------|------------------------------------|----|----|-----------------------|
|         |   |                                   |   |   |                                     |                                    |                                   | Q1                                 | Q2 | Q3 | Q4                    |
| 6       | <b>B.G. 6113-41</b><br>Providing & Fixing of Ball Bearings No. NU-319 & 6322-C3 for 150HP Motor at 40MGD Pump House Pipri (P&F) Division. (SPPRA Sr. NO.31077       | Copy Attached                     | Copy Attached                                   | Rs: 0.9734.00                               | Rs: 8.00 Million                    | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |
| 7       | Servicing and Rewinding of 150HP Electric Motor No. 1, 6, 8, 9 at 40MGD Pump House Pipri (P&F) Division.  | Copy Attached                     | Copy Attached                                   | Rs: 0.9676.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |
| 8       | <b>B.G. 6113-41</b><br>Rewinding of 150HP 3-Phase Motor Set # 11, i/c Replacement of Electrical Accessories at 40MGD Pump House Pipri (P&F) Division. Sr. No. 31759 | Copy Attached                     | Copy Attached                                   | Rs: 0.9444.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |
| 9       | Replacement of Electrical component of Panel No. 02 of Electric Motor No. 2 & Rewinding of electric Motor No.02 of 150HP 40MGD Pump House Pipri (P&F) D.            | Copy Attached                     | Copy Attached                                   | Rs: 0.8845.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |
| 10      | Rewinding of 150HP Motor and Replacement of Part of Control Panel of Motor No. 08 at 40 MGD Pump House Pipri (P&F) Division.  | Copy Attached                     | Copy Attached                                   | Rs: 0.9671.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |





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**PIPRI (PUMPING & FILTER) DIVISION**  
**ANNUAL PROCUREMENT PLAN FOR THE YEAR 2016-17**

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|---------|---|-----------------------------------|---|---|-------------------------------------|------------------------------------|-----------------------------------|------------------------------------|----|----|-----------------------|
|         |   |                                   |   |   |                                     |                                    |                                   | Q1                                 | Q2 | Q3 | Q4                    |
| 11      | <b>B.G. 6113-41</b><br>Rewinding of 150HP Electric Motor and Replacement of Associated Control Panel of Motor No. 09 at 40 MGD Pump House Pipri (P&F) D.  | Copy Attached                     | Copy Attached                                   | Rs: 0.9258.00                               | Rs: 8.00 Million                    | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |
| 12      | <b>Rewinding of 3-Phase Electric Motor of 150HP and Replacement of Component of control Panel of Motor No. 07 at 40 MGD Pump House Pipri (P&amp;F) D.</b> | Copy Attached                     | Copy Attached                                   | Rs: 0.9671.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |



**OFFICE OF THE RESIDENT ENGINEER**  
**PIPRI (PUMPING & FILTER) DIVISION**

**ANNUAL PROCUREMENT PLAN FOR THE YEAR 2016-17**

| Sr. No. | Description of Work   | Quantity<br>(Where<br>Applicable) | Estimated<br>Unit Cost<br>(Where<br>Applicable) | Estimated Total<br>Cost<br>(In Million Rs.) | Funds Allocated<br>(In Million Rs.) | Source of<br>Funds ADP/<br>Non-ADP | Proposed<br>Procurement<br>Method | Timing of Procurement<br>2016-2017 |    |    |                       |
|---------|---|-----------------------------------|---|---|-------------------------------------|------------------------------------|-----------------------------------|------------------------------------|----|----|-----------------------|
|         |   |                                   |   |   |                                     |                                    |                                   | Q1                                 | Q2 | Q3 | Q4                    |
| 13      | <b>B.G. 6113-43</b><br>Servicing and Overhauling of 132KW (1,2,3) and 65HP (1,2,3) electric Motor i/c Replacement of Defective Electrical Equipment at JBIC Filter Plant Pipri (P&F) Division. <b>Sr. No. 31759</b> | Copy Attached                     | Copy Attached                                   | Rs: 0.9593.00/-                             | Rs: 4.00 Million                    | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |
| 14      | Rehabilitation of Thickener Ponds Flapper Scraper and Servicing of Balancing Tank Stirrer and Replacement of 8". 10" Dia Defective Inlet, Outlet i/c Sluice Valve at JBIC Filter Plant Pipri. <b>Sr. No. 32658</b>  | Copy Attached                     | Copy Attached                                   | Rs: 1.4980.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |
| 15      | Complete Overhauling of 12.5MGD Pump With Motor and Replacement of Their Defective Ball Bearing at JBIC Filter Plant Pipri (P&F) Division. <b>Sr. No. 32355</b>   | Copy Attached                     | Copy Attached                                   | Rs: 0.9015.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |
| 16      | Servicing & Maintenance of Inlet (302), Outlet (303) Penstocks Valve with Motorized Gate and Replacement of Electrical Component at JBIC Filter Plant Pipri (P&F) Division. <b>Sr. No. 32658</b>                    | Copy Attached                     | Copy Attached                                   | Rs: 1.7029.00                               |                                     | Non-ADP                            | S. S. One<br>E. S.                | -                                  | -  | -  | 4 <sup>th</sup> Qurt. |



BRANCH: KW&amp;SB

ELECTRIC DIVISION

## ABSTRACT OF COST - ORIGINAL ESTIMATE

NAME OF WORK:

Rebuilding of 150 hp electric motor and Pints replacement  
 of associated control panel no 9 at 40 MGD P/h pump.

| ITEM# | SUB-HEADS & ITEMS OF WORK   | QUANTITY OR NO. | RATE     | PER | TOTAL    |
|-------|---|-----------------|----------|-----|----------|
| ①     | Rebuilding of electric motor 3-phase 400/440 volts, 50 cycles, with best quality insulated copper wire of required size/gauge 1/2 linking on load with satisfactory result up to one week time, opening & refilling and replacing balls if necessary, excluding labour material (See vol 12, Page 110, item 97) | 150 hp          | 109945/- | J26 | 109945/- |
| ②     | P/F circuit breaker 630 amp. T.P. setting 400 to 600 amp (85-800 N.T.) on prepared board as required. See vol 12 / Page-31 / item-211   | 01 No           | 61696/-  | No  | 61696/-  |
| ③     | P/F magnetic contactor FC-300 N as required and as per instruction of EI (See vol 12 / Page-37 / item 260)  | 02 Nos          | 106010/- | No  | 212020/- |
| ④     | P/F magnetic contactor FC-160 N as required and as per instruction of EI (See vol 12 / Page-37 / item 258)  | 01 No           | 40890/-  | No  | 40890/-  |

Rs 426851/-

PROVINCE: SINDH.  
BRANCH: KW&SB

P(P&F)DIVISION

ABSTRACT OF COST - ORIGINAL ESTIMATE  
(P.W.A. Code Paragraphs 330-332)

NAME OF WORK: \_\_\_\_\_

An estimate amounting to Rs. 925807/- has been

| ITEM # | SUB-HEADS & ITEMS OF WORK   | QUANTITY OR NO. | RATE    | PER | TOTAL                    |
|--------|---|-----------------|---------|-----|--------------------------|
|        |   |                 |         |     | Rs. 424551/-             |
| ⑤      | P/F over load relay for sizes 6, 7, 8, 9A & 11, model FT. 300 as required & as per instruction of EI  |                 |         |     |                          |
|        | Sch. no 12 / Page-38 / item-267   | 01 no           | 46956/- | no  | 46956/-                  |
| ⑥      | Providing & laying (Main or sub mains) PVC insulated & PVC sheathed with 3.5 Core armoured Copper Conductor 600/1000 volts 12.5 mm <sup>2</sup> . |                 |         |     |                          |
|        | Sch. no 12 / Page-11 / item-93  | 55 mtr          | 8266/-  | mtr | 454300/-                 |
|        | Estimate Tech checked & Sanctioned for Rs. 925807/-   |                 |         |     | Grand total Rs. 925807/- |

Engr. FAZAL MASSE  
Assistant Engineer  
Supt. (Pumping & Filter) Division  
K.W. & S.B.

ATHESAN KHAL  
Divisional Assistant  
Supt. (Pumping & Filter) Division  
K.W. & S.B.



BRANCH: K

F(P&amp;F) DIVISION

## ABSTRACT OF COST - ORIGINAL ESTIMATE

(P.W.A. Code Paragraphs 330-332)

NAME OF WORK:

Remind of 150 hp motor and replacement of parts of central  
 Panel of motor No 8 at 40 MGID P/h Pign

Estimate Tech checked and  
 Sanctioned for Rs. 9,67,107/-

| ITEM #                     | SUB-HEADS & ITEMS OF WORK  | QUANTITY OR NO. | RATE     | PER | TOTAL    |
|----------------------------|--|-----------------|----------|-----|----------|
| ③                          | P/F magnetic Contactor Fe - 300 N as required & as per instruction of EI (Sch. vol. 2012 P/37, itn 260)  | 02 NO           | 106010/- | NO  | 212020/- |
| ④                          | P/F magnetic Contactor Fe 160 N as required & as per instruction of EI (Sch. vol. 2012 P/37, itn 258)  | 01 NO           | 40890/-  | NO  | 40890/-  |
| ⑤                          | P/F over load relay for size 6, 7, 8, 9A & 11 model FT 300 as required & as per instruction of EI Sch. vol. 2012, page 30, itn 267   | 01 NO           | 46956/-  | NO  | 46956/-  |
| ⑥                          | Providing & laying (Main or Sub-mains) PVC insulated & PVC Sheathed with 3.5 core or mored Copper Conductor 602/1000 volts. Size 130 mm <sup>2</sup> Sch. vol. 2012, Part II, itn 93 | 60 mtr          | 8200/-   | mtr | 495600/- |
| Grand total Rs. 9,67,107/- |  |                 |          |     |          |

W&amp;S.B.

W&amp;S.B.

OTHER

W&amp;S.B.

ABSTRACT OF COST - ORIGINAL ESTIMATE

(P.W.A. Code Paragraphs 330-332)

NAME OF WORK: Re-winding of 150hp m/c and replacement of Parts of Control Panel of motor no. 8  
at 40 MGD P/H pump

| ITEM # | SUB-HEADS & ITEMS, OF WORK  | QUANTITY OR NO. | RATE     | PER | TOTAL    |
|--------|---|-----------------|----------|-----|----------|
| ①      | Re-winding of electrical m/c 3- phase 400/440 volts, 50 cycles, with best quality insulated copper wire of required gauge including testing on load up to one week with satisfactory result opening & re-fitting and replacing the belts if necessary excluding the cost of workman material. |                 |          |     |          |
|        | See. Mat. No. 12, Page 110, item 97   | 150 hp          | 109945/- | Job | 109945/- |
| 02     | D/F Circuit breaker 630 amp T.P setting 400-630 amps. (XS - 800 NT) on prepared board as required.  |                 |          |     |          |
|        | See Mat. No. 12, Page 31, item 211  | 02 Nos          | 61696/-  | No  | 61696/-  |

Rs 171641/-

BRANCH: KW&SB

ABSTRACT OF COST - ORIGINAL ESTIMATE

PROJECT DIVISION

NAME OF WORK:

Reminding of 3-phase electrical meter of 150 hp and  
replacement of component of control panel of meter NO 7.  
at 40 MGD P/H. Pysni

| ITEM# | SUB-HEADS & ITEMS OF WORK   | QUANTITY OR NO. | RATE     | PER  | TOTAL    |
|-------|---|-----------------|----------|------|----------|
| ①     | Reminding of electrical meter 3-phase 400/440 volts, 50 cycle, with best-quality insulated copper wire of required gauge including testing on load with satisfactory result up to one week time, opening & retesting and replacing the belts if necessary, excluding the cost of wear out material. |                 |          |      |          |
|       | Sch. 2012, Page 110, item 97 (4 pole).  | 150 hp          | 109945/- | Rate | 109945/- |
| ②     | P/F Circuit Breaker Group. T.P. setting 400-630 amps (X 5.000 ND) on prepared panel as required -   |                 |          |      |          |
|       | Sch. 2012, Page 31, item 211  | ET NO           | 61696/-  | NO   | 61696/-  |
|       |   |                 |          | RS   | 171641/- |

PROVINCE: SINDH.  
BRANCH: KW&SB

P(F&F)DIVISION

ABSTRACT OF COST - ORIGINAL ESTIMATE  
(P.W. 4 Code Paragraphs 330-332)

NAME OF WORK:

Estimate for P.W. 4, 9, 6, 7, 10, 7

Sec (P&F-IV)

| ITEM # | SUB-HEADS & ITEMS OF WORK   | QUANTITY OR NO. | RATE    | PER   | TOTAL        |
|--------|---|-----------------|---------|-------|--------------|
|        |   |                 |         |       | Rs. 171641/- |
| ③      | P/F magnetic contactor FC-300 N as required<br>& as per instruction of EI   |                 |         |       |              |
|        | Sch. No. 12, Page-37, item-260  | 02 NOS.         | 10690/- | NO    | 212920/-     |
| ④      | P/F magnetic contactor FC-160 N as required<br>& as per instruction of EI   |                 |         |       |              |
|        | Sch. No. 12, Page-37, item-258  | 01 NO           | 40890/- | NO    | 40890/-      |
| ⑤      | P/F Overload relay for sizes 6, 7, 8, 9, 10, 11 model<br>FT 300 as required & as per instruction of EI  |                 |         |       |              |
|        | Sch. No. 12, Page-38, item-267  | 01 NO           | 46956/- | NO    | 46956/-      |
| ⑥      | Providing & laying (Mans or sub-mans) PVC insulated & PVC<br>shielded with 3.5 core armoured copper conductors<br>60/1000 Volt size 120 mm <sup>2</sup> |                 |         |       |              |
|        | Sch. No. 12, Page-11, item-93   | 60 meter        | 8260/-  | meter | 495600/-     |

Grand Total Rs. 967107/-

An estimate amounting to Rs. 9,67,107/- has been

SAIDkot  
Divisional  
P.W. 4

ATHERTON  
Divisional  
P.W. 4

KW&SB

RANCH: KW&amp;SB

ELECTRIC DIVISION

## ABSTRACT OF COST - ORIGINAL ESTIMATE

NAME OF WORK:

(P.W.A. Code Paragraphs 330-332)  
 Replacement of electrical equipment and rewinding of 150 hp motor  
 No. 2 at 40 M.G.D P/H pump

| ITEM# | SUB-HEADS & ITEMS OF WORK   | QUANTITY OR NO. | RATE     | PER | TOTAL    |
|-------|---|-----------------|----------|-----|----------|
| ①     | Rewinding of electric motor 3-Phase 400/440V 50 cycles, with best quality insulated copper wire of required gauge including testing on load with satisfactory result up to one week time, opening and re-fitting and replacing the belts if necessary excluding the cost of worn out material |                 |          |     |          |
|       | Sch. rate 2012, Page - 110, item 97   | 150 hp          | 109945/- | Jul | 109945/- |
| ②     | P/F circuit breaker 630 amp T.P. Setting 400-630 amp (XS-800N) on prepared board as required. Sch. rate 2012, Page 31, item - 211   | 01 No.          | 61696/-  | No. | 61696/-  |
| ③     | P/F magnetic Contactor FC-300N as required & as per instruction of E.I.   |                 |          |     |          |
|       | Sch. rate 2012, Page 37, item - 260   | 02 No.          | 106010/- | No. | 212020/- |
|       |   |                 |          |     | 323661/- |



PROVINCE: SINDH  
BRANCH: KW&SB

P(F&F)DIVISION

ABSTRACT OF COST - ORIGINAL ESTIMATE  
(P.W.A. Code Paragraphs 330-332)

NAME OF WORK: Ref

| ITEM #   | SUB-HEADS & ITEMS OF WORK  | QUANTITY OR NO. | RATE    | PER   | TOTAL      |
|--|--|-----------------|---------|-------|------------|
|  |  |                 | Rs.     |       | 383 661/-  |
| ④  | P/F overhead relay for 83es 67, 8, 8A & 11 model FT 300 as required & as per instruction of EI. See vol. 2012, Page 38, item 267.  | 01 No.          | 46956/- | No.   | 46956/-    |
| ⑤  | branching & laying (Main or Sub main) PVC insulated & PVC sheathed with 3.5 core armoured copper conductors 600/1000 Volts Size per mm. See vol. 2012, Page 11, item 93. | 50 Mtr.         | 8260/-  | meter | 413000/-   |
| ⑥  | P/F magnetic contacts FC-160N as required & as per instruction of EI. See vol. 2012, Page 37, item 258.  | 51 No.          | 40890/- | No.   | 40890/-    |
| Estimate Tech. checked and Sanctioned for Rs. 8,84,507/- |  | Grand Total     | Rs.     |       | 8,84,507/- |

An estimate amounting to Rs. 8,84,507/- has been

K.W. & S.B.

K.W. & S.B.

Ce (P&F)  
SMD/PTB

K.W. & S.B.

K.W. & S.B.

K.W. & S.B.