



# 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 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 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 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 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/= 2).Rs.1,000/= 3).Rs.1,000/= (Non-refundable in shape of Pay order in 4).Rs.1,000/= favour of Karachi Water & Sewerage Board.) 5).Rs.1,000/=
7.	Last date of Issuing	W.e.f. 1 <sup>st</sup> . Advertisement on SPPRA's Website to 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. 021-33231464 - 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.*  
*Syed Iftikhar-ul-Hassan*  
*D.A.O. (A.G.) 28/11/16*

*[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

  
19/4/16

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

Sr. No.	Description of Work	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>B. G. 6113-25</b> Repair, Maintenance and Replacement of Copper wire and insulator and Clamps at Old & New Staff Colony Filter Plant Pipri (P&F) Division. <b>Sr. No. 31887</b>	Copy Attached	Copy Attached	Rs: 2.2933.00	Rs: 7.00 Million	Non-ADP	S. S. One 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 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 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 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 E. S.	-	-	-	4 <sup>th</sup> Quart.



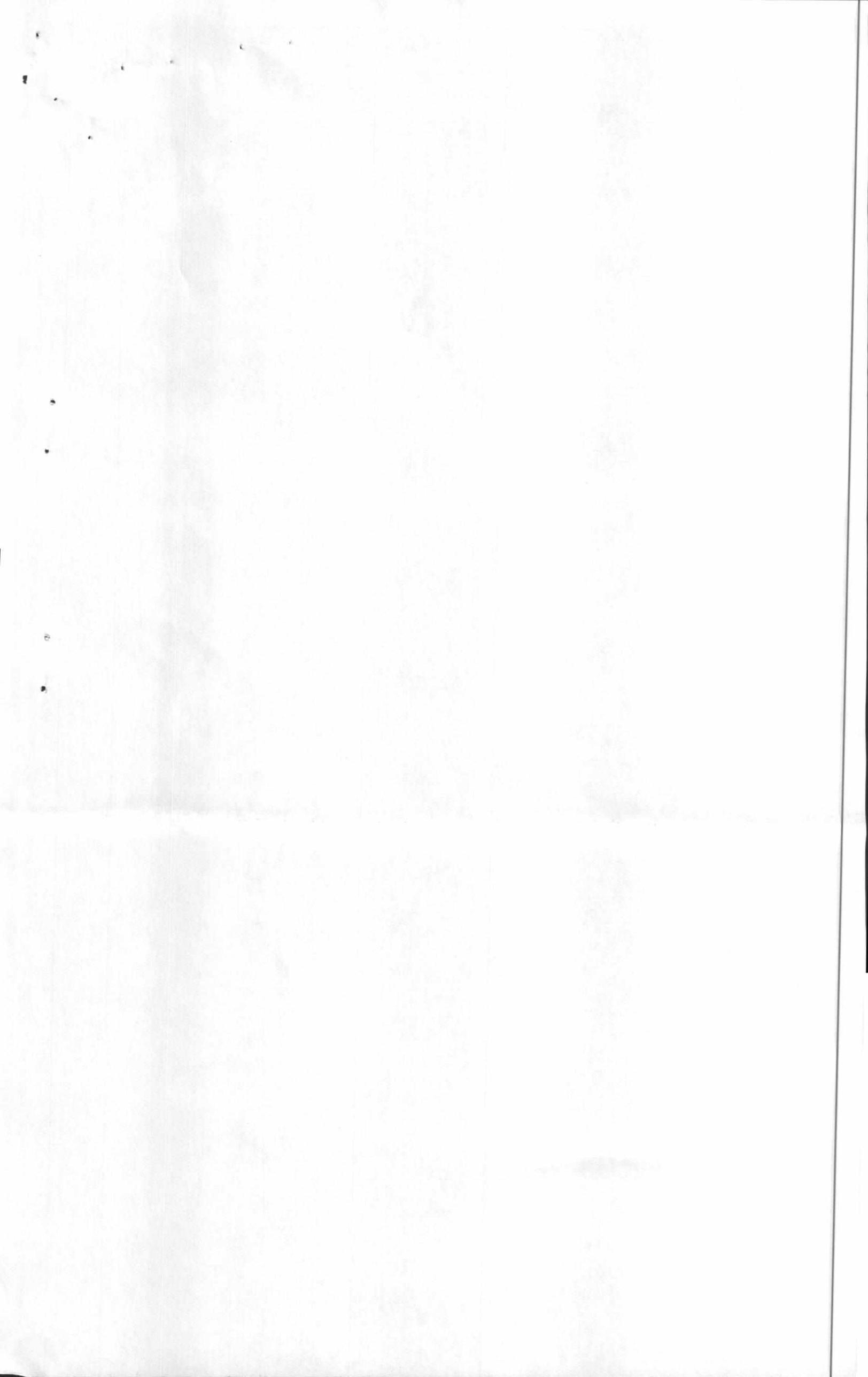
**OFFICE OF THE RESIDENT ENGINEER**  
**PIPRI (PUMPING & FILTER) DIVISION**  
**ANNUAL PROCUREMENT PLAN FOR THE YEAR 2016-17**

Sr. No.	Description of Work	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
6	<b>B.G. 6113-41</b> 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 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 E. S.	-	-	-	4 <sup>th</sup> Qurt.
8	<b>B.G. 6113-41</b> 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 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 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 E. S.	-	-	-	4 <sup>th</sup> Qurt.



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

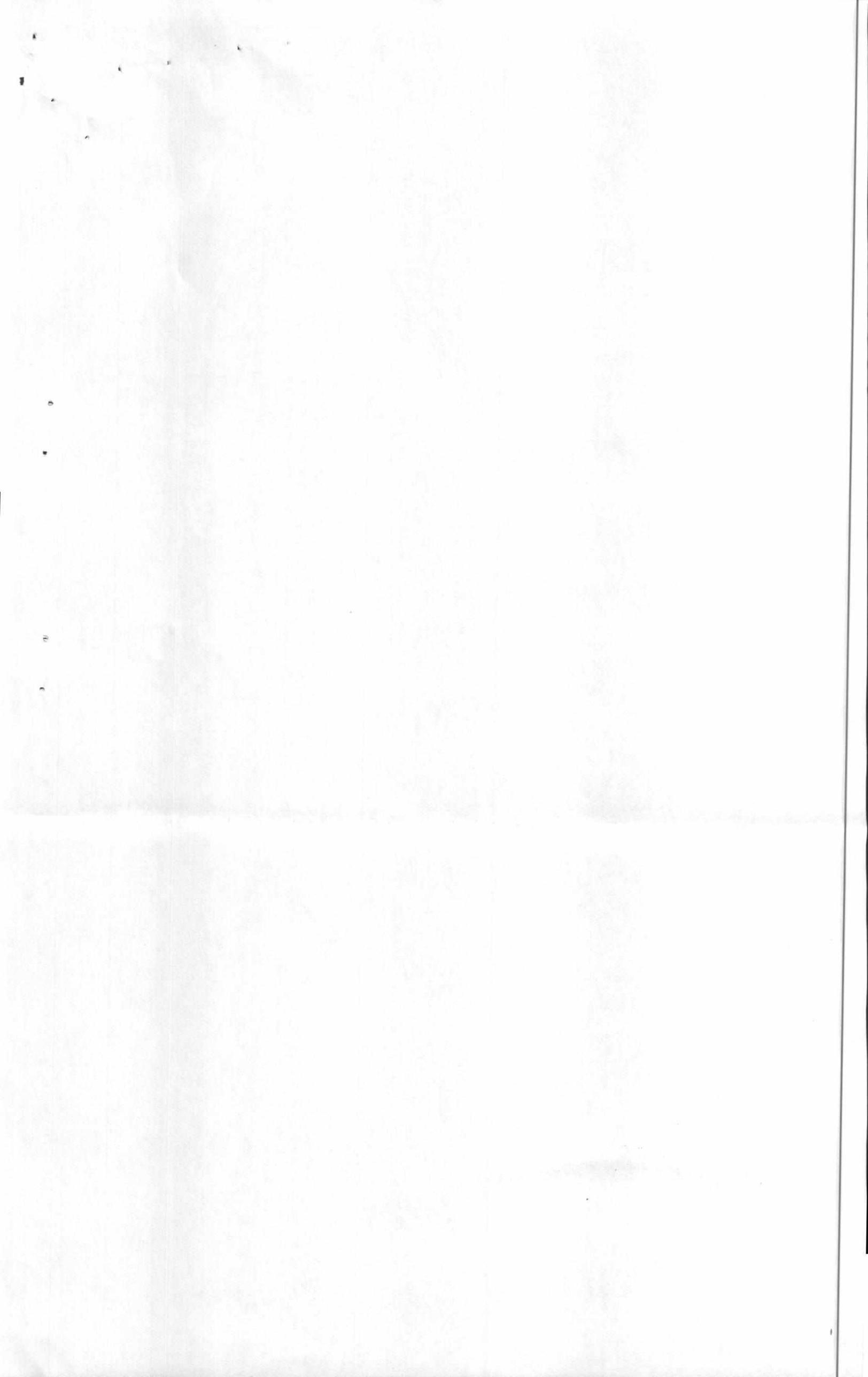
Sr. No.	Description of Work	Quantity (Where Applicable)	Estimated Unit Cost (Where Applicable)	Estimated Total Cost (In Million Rs.)	Funds Allocated (In Million Rs.)	Source of Funds ADP/ Non-ADP	Proposed Procurement Method	Timing of Procurement 2016-2017			
								Q1	Q2	Q3	Q4
11	<b>B.G. 6113-41</b> 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 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 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 (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
13	<b>B.G. 6113-43</b> 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 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 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 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 E. S.	-	-	-	4 <sup>th</sup> Qurt.



BRANCH: KW&SB

ESTIMATION DIVISION

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

NAME OF WORK: Rewinding of 150 hp electric motor and parts 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	Rewinding of electric motor 3-phase 400/440 volts, 50 cycles, with best quality insulated copper wire of required size/gauge 1/2 taking on load with satisfactory result up to one week time, opening & refitting and replacing bolts if necessary, excluding labour material (Sch. 2012, Page 110, item 97)	150 hp	109945/-	JRU	109945/-
②	P/F circuit breaker 630 amp. T.P. setting 400 to 630 amp (85-800 NJ) on prepared board as required. Sch. 2012 / 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 (Sch. 2012 / 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 (Sch. 2012 / 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. 9,25,807/- has been

ITEM #	SUB-HEADS & ITEMS OF WORK	QUANTITY OR NO.	RATE	PER	TOTAL
					Rs. 424551/-
⑤	P/F over lead relay for sizes 6, 7, 8, 9, 10 & 11, model FT-300 as required & as per instruction of EI				
	Sch 2012 / 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 12.0 mm <sup>2</sup> .				
	Sch 2012 / Page-11 / item-93	55 mtr	8260/-	mtr	454300/-
	Estimate Tech checked & sanctioned for Rs. 9,25,807/-				Grand total Rs. 9,25,807/-

MR. FAZAL MASRI  
Assistant Engineer (I)  
Supt. (Pumping & Filter) Division  
K.W. & S.B.

ATHESAB MAL  
DIRECTOR ASST  
Supt. (Pumping & Filter) Division  
K.W. & S.B.

*(Handwritten signatures and initials)*

BRANCH: K

ESTIMATION DIVISION

ABSTRACT OF COST - ORIGINAL ESTIMATE

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

NAME OF WORK:

Repair of 150 hp motor and replacement of parts of control panel of motor No 8 at 40 MGD P/h pump

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

ITEM#	SUB-HEADS & ITEMS OF	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)			Rs	171641/-
④	P/F magnetic contactor Fe 160 N as required & as per instruction of EI (Sch vol 2012 P.37/itn 258)	02 NO	106010/-	NO	212020/-
⑤	P/F over load relay for size 6, 7, 8, DA & 11 model FT. 300 as required & as per instruction of EI Sch vol 2012 page 30, itn 267	01 NO	40890/-	NO	40890/-
⑥	Providing & laying (Main or sub-mains) PVC insulated & PVC sheathed with B.S core or round copper conductors 600/1000 volts. Size 130 mm <sup>2</sup> Sch vol 2012, Part II, itn 93	01 NO	46956/-	NO	46956/-
		60 meter	2200/- meter		132000/-
Grand total					Rs 9,67,107/-

Amounting to Rs. 9,67,107/- has been

W.S.B.

W.S.B.

W.S.B.

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

NAME OF WORK: Rewinding of 150hp motor and replacement of parts of Control Panel of motor no. 8  
at 40 M.S.D P.H. Paper

ITEM #	SUB-HEADS & ITEMS OF WORK	QUANTITY OR NO.	RATE	PER.	TOTAL
①	Rewinding of electrical motor 3-Phase 400/440 volts, 50 cycles, with best quality insulated copper wire of required gauge including testing on load upto one week with satisfactory result opening & re-fitting and replacing the belts if necessary excluding the cost of worm and material.				
	See. vol. 2012, Page 110 item 97	150 hp	109945/-		109945/-
02	P/F Circuit breaker 630 amp T.P setting 400-630 amps. (XS - 800 NS) on prepared board as required.				
	See. vol. 2012, Page 31, item 211	02 Nos	61696/-		61696/-

Rs 171641/-

BRANCH: KW&SB

ESTIMATE DIVISION

ABSTRACT OF COST - ORIGINAL ESTIMATE

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

NAME OF WORK:

Reinforcing of 3-phase electrical meter of 150 hp and replacement of component of control panel of meter NO 7 at 40 MG D P/H. Pyp ni

ITEM#	SUB-HEADS & ITEMS OF WORK	QUANTITY OR NO.	RATE	PER	TOTAL
①	Reinforcing of electrical meter 3-phase 400/400 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 & rejoining and replacing the belts if necessary, including the cost of wear out material. Sch 2012, Page 110, item 97 (4 pole)	150 hp	109945/-	Tan	109945/-
②	PIF Circuit Breaker 630 amp. T.P setting 400-630 amps (Xs. 800 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.A. Code Paragraphs 330-332)

NAME OF WORK:

*Tech. checked & sanctioned*  
*Estimate No. 9,67,107/-*  
*Sec (P&F-IV)*

*CE*  
*DMD*

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

ITEM #	SUB-HEADS & ITEMS OF WORK	QUANTITY OR NO.	RATE	PER	TOTAL
					Rs. 171641/-
3	P/F magnetic contact; FL-300 N as required & as per instruction of EI				
	Sch. No. 12, Page-37, item-260	02 NOS.	106910/-	NO	212920/-
4	P/F magnetic contact; FL-160 N. as required & as per instruction of EI.				
	Sch. No. 12 - Page-37, item-258	01 NO	40890/-	NO	40890/-
5	P/F Overload relay for sizes G, F, D, DA & U 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 (Mans or sub-mans) PVC insulated & PVC shielded with 3.5 core armoured copper conductors				
	60/1000 Volt size 120 mm <sup>2</sup> Sch. No. 12, Page-11, item-93	60 meter	8260/-	meter	49560/-

*Grand Total Rs. 9,67,107/-*

SAID POT  
Engineer  
P-IV

ATHERTON  
Divisional Accountant  
Punjab & Ferozepore  
KW&SB

RANCH: KW&amp;SB

ELECTRICAL DIVISION

## ABSTRACT OF COST - ORIGINAL ESTIMATE

NAME OF WORK:

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				
	See rate 2012, Page - 110, item 97	150 hp	109945/-	job	109945/-
②	P/F circuit breaker 630 amp T.P. Setting 400-630 amp (XS-800N) on prepared board as required. See 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.				
	See rate 2012, Page 37, item - 260	02 no.	106010/-	no.	212020/-
					323661/-

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

NAME OF WORK: Ref

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

ITEM#	SUB-HEADS & ITEMS OF WORK	QUANTITY OR NO.	RATE	PER	TOTAL
			Rs.		383661/-
④	P/F over load relay for sizes 6, 7, 8, 9, 10, 11 model FT 300 as required & as per instruction of EI. See vol. 2012, page 38, item 267.	01 No.	46956/-	NO.	46956/-
⑤	trawidig & laying (Main or sub main) PVC insulated & PVC sheathed with 3.5 core armoured copper conductors 600/1000 volts size per unit. See vol. 2012, page 11, item 93.	50 meter	8200/-	meter	410000/-
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/-
Grand total Rs:					8,84,507/-

Estimate Tech. checked and sanctioned for Rs. 8,84,507/-

*[Signature]*

Chief Engineer  
Power Pumping & Filtration Division  
K.W. & S.B.

Chief Engineer  
S.M.C.P.S.

*[Signature]*

*[Signature]*