



# KARACHI WATER & SEWERAGE BOARD

## OFFICE OF THE RESIDENT ENGINEER NORTH EAST KARACHI (PUMPING & FILTER) K-II & K-III DIVISION

Cell No. 0333-2393180

NEK 100MGD Pump Houses, Saadi Town, Scheme-33, Distt: Malir

No.RE/NEK/P&F-K-II&K-III/NIT/2016-17/117

Dated: 30-3-2017

✓ The Director (A&F).  
Sindh. Public Procurement Regulatory Authority.  
Block-8, 4-A. Sindh. Secretariat.  
Karachi.

**SUBJECT:- PUBLICATION OF NOTICE INVITING TENDER ON SPPRA  
WEBSITE [www.pprasindh.gov.pk](http://www.pprasindh.gov.pk).**

I am enclosing herewith. Pay Order No.02567931 Dated: 07.01.2017 of Rs.2,000/= issued from Bank Al-Habib Ltd. Gulshan Block-2. Shop No.7&8. Plot # E1 Rays View Apartment. Gulshan-e-Iqbal. Block-2 (1167) Branch. Karachi along with Notice Inviting Tender & Standard Bidding Documents for the following works to uploading on SPPRA's Website:-

S.No.	Name of Work
1.	ELECTRICAL ENGINEERING SERVICES OF PANEL FOR 11/200 KV TRANSFORMER I/C REPLACEMENT OF CABLE & SERVICING OF PANEL FOR 80HP WASH WATER MOTOR AT N.E.K. (P&F) K-II. (Estimated Cost : Rs.9,07,462/=)
2.	COMPLETE OVERHAULING OF 2008.8 M3/H (WEIR PUMP) # A I/C SERVICING OF ELECTRIC MOTOR & PANEL INSTALLED AT HIGH LIFT PUMP HOUSE N.E.K. (P&F) K-II PLANT. (Estimated Cost : Rs.4,27,856/=)

The date of opening of tender is 20-4-2017.

Encl: 01 No. Pay Order.  
02Nos. Standard Bidding Documents.  
Annual Procurement Plan

Copy to:-

1. The Chief Engineer (E&M)-W. KW&SB
2. The Director (Design & Estimate). KW&SB
3. The S.E.(P&F)-2, KW&SB
4. Work file.
5. Office copy.

  
Resident Engineer  
N.E.K. (P&F) K-II & K-III Div.  
KW & SB

2784  
31-03-17



# KARACHI WATER & SEWERAGE BOARD

## OFFICE OF THE RESIDENT ENGINEER NORTH EAST KARACHI (PUMPING & FILTER) K-II & K-III DIVISION

Cell No.0333-2393180

NEK 100MGD Pump Houses, Saadi Town, Scheme-33, Distt: Malir

No.RE/NEK(P&F)K-II-K-III/NIT/2016-17/116

Dated: 30-3-2017

### 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). ELECTRICAL ENGINEERING SERVICES OF PANEL FOR 11/200 KV TRANSFORMER I/C REPLACEMENT OF CABLE & SERVICING OF PANEL FOR 80HP WASH WATER MOTOR AT N.E.K. (P&F) K-II. 2). COMPLETE OVERHAULING OF 2008.8 M3/H (WEIR PUMP) # A I/C SERVICING OF ELECTRIC MOTOR & PANEL INSTALLED AT HIGH LIFT PUMP HOUSE N.E.K. (P&F) K-II PLANT.
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 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 work	1). Rs.1,000/= (Non-refundable in shape of Pay order in 2.) Rs.500/= favour of Karachi Water & Sewerage Board.)
7.	Last date of Issuing	W.e.f. 1 <sup>st</sup> . Advertisement on SPPRA's Website to Dated : <u>19/4/2017</u> between 09.00A.M. to 01.00P.M.
8.	Date & Time of submission and Opening of Tender.	Submission of Tender at <u>20/4/2017</u> at 02:00 PM and Opening of Tender at 02:30 PM 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 <u>21/4/2017</u> to <u>05/5/2017</u> and Submission on <u>08/5/2017</u> 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 smooth & un-interrupted Pumping of drinking water to the Karachi city from North East Karachi K-II & K-III (Pumping & Filter Plant), KW&SB
13	Estimated Cost of work	1). Rs.9,07,462/= 2). Rs.4,27,856/=

**Note:-**

1. Tender can be seen and download from SPPRA website [www.pprasinidh.gov.pk](http://www.pprasinidh.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 job can be seen and discussed with Resident Engineer, North East Karachi (Pumping & Filter) K-II & K-III Division KW&SB in Division Office situated at North East Karachi 100MGD Pump Houses, Saadi Town, Scheme-33, at any working day during office hours and Contact No: **0333-2393180** 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 - 231464 - 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.*  
*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




**ANNUAL PROCUREMENT PLAN FOR THE YEAR 2016- 2017**  
**NORTH EAST KARACHI (PUMPING & FILTER) K-II & K-III, KW&SB.**

(Revised-2)

S. #	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.	SERVICING OF 112 KW INDUCTIONS MOTOR I/C COMPLETE OVER HAULING OF KSB PUMP B-14, D-4 LCP "NO. 3" AT N E K (P&F), K-II PLANT.	Copy attached	Copy attached	0.9 Million	6253-26 6 Million	NON-ADP	Single Stage One Envelope System Through Website	--	Dec 2016	--	--
2.	PROVIDING & FIXING BEARINGS FOR SET. "03" KSB PUMP TYPE (SNW 600-720) INSTALLED AT NEK K-III P/H.	Copy attached	Copy attached	1.6 Million	6253-41 6 Million	NON-ADP	Single Stage One Envelope System Through Tender	--	Dec 2016	--	--
3.	EMERGENT REPAIRING OF 11/200 KVA TRANSFORMER AT NEK (P&F) K-II KW&SB	Copy attached	Copy attached	1.00 Million	6253-40 2 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	Jan 2017	--
4.	NECESSARY SERVICING ELECTRICALLY OPERATOR MOTORS / ELECTRONIC CARDS & REPLACEMENT / REPAIRING BURN/DAMAGE & FUSED COMPONENTS OF ROTOR & PENSTOCK GATE VALVES FOR RAPID TWIN GRAVITY FILTER BEDS NO. M.O& P AT NEK (F/P) K-II KW&SB.	Copy attached	Copy attached	0.88 Million	6253-25 5.5 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	Jan 2017	--
5.	REPAIRING / MAINTENANCE WORK OF 6660M/H (35 MGD) PUMP (A) AT LOW LIFT P/H AT NEK (P), K-II PLANT.	Copy attached	Copy attached	2.3 Million	6253-25 5.5 Million	NON-ADP	Single Stage One Envelope System Through Tender	--	--	Feb 2017	--
6.	URGENT R/M WORK OF OPERATING ELECTRIC PANEL FOR H.T MOTOR NO. (1,4&5) 525KW, 11KV AT N.E.K, K-III PUMP HOUSE.	Copy attached	Copy attached	2.3 Million	6253-41 6 Million	NON-ADP	Single Stage One Envelope System Through Tender	--	--	Feb 2017	--
7.	RUNNING & MAINTENANCE WORK OF SET NO. "02" AT NEK-KIII PUMP HOUSE.	Copy attached	Copy attached	1.00 Million	6253-41 6 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	Feb 2017	--
8.	COMPLETE OVERHAULING OF 4500M/H (25MGD) SET (B), AT HIGH LIFT PUMP HOUSE AT NEK (P&F) K-II, PLANT.	Copy attached	Copy attached	2.3 Million	6253-26 6 Million	NON-ADP	Single Stage One Envelope System Through Tender	--	--	--	Apr 2017
9.	REPAIRING & RECONDITIONING, MAINTENANCE OF NON RETURN VALVE 800 MM DIA OF PUMP SET No. "04" AT N.E.K (P&F), K-II & K-III Plant.	Copy attached	Copy attached	1.85 Million	6253-41 6 Million	NON-ADP	Single Stage One Envelope System Through Tender	--	--	--	Apr 2017
10.	ELECTRICAL ENGINEERING SERVICES OF PANEL FOR 11/200 KV TRANSFORMER I/C REPLACEMENT OF CABLE & SERVICING OF PANEL FOR 80 HP WASH WATER MOTOR AT N.E.K (P&F), K-II.	Copy attached	Copy attached	1.00 Million	6253-26 6 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	Apr 2017
11.	SERVICING OF 112 KW, A/C INDUCTION MOTOR I/C COMPLETE OVER HAULING OF K.S.B PUMP B-14, D-4, LCP NO. 1 AT N.E.K (P&F) K-II.	--	--	0.9 Million	6253-25 5.5 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	Apr 2017

12.	ELECTRICAL ENGINEERING SERVICES 11/3.3 KV, 412 KW ELECTRIC MOTOR (C), AT HIGH LIFT P/H E AT NEK (P&F), K-II, PLANT.	--	--	1.1 Million	6253-25 5.5 Million	NON-ADP	Single Stage One Envelope System Through Tender	--	--	--	Apr 2017
13.	EMERGENT ENGINEERING SERVICES COMPLETE FABRICATION & FIXING OF S.S SLEEVE OF WEIR PUMP 6660M/H (35 MGD) PUMP "A" AT NEK K-II PLANT.	--	--	2.15 Million	6253-26 6 Million	NON-ADP	Single Stage One Envelope System Through Tender	--	--	--	Apr 2017
14.	MECHANICAL ENGINEERING SERVICES OF NON RETURN VALVE 800 MM DIA OF PUMP SET NO. "B" AT HIGH LIFT PUMP HOUSE NEK (P&F) K-II PLANT.	--	--	1.85 Million	6253-26 6 Million	NON-ADP	Single Stage One Envelope System Through Tender	--	--	--	Apr 2017
15.	COMPLETE OVERHAULING OF 2008.8 M3/H (WEIR PUMP) # A I/C SERVICING OF ELECTRIC MOTOR & PANEL INSTALLED AT HIGH LIFT P/H N.E.K (P&F), K-II.	Copy attached	Copy attached	0.5 Million	6253-25 5.5 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	Apr 2017
16.	REPAIRING & RECONDITIONING, MAINTENANCE OF NON RETURN VALVE 800 MM DIA OF PUMP SET No. "01" AT N.E.K (P&F), K-II & K-III Plant.	--	--	1.85 Million	6253-41 6 Million	NON-ADP	Single Stage One Envelope System Through Tender	--	--	--	May 2017
17.	REPAIRING & MAINTENANCE OF IN-LET AND OUT-LET GATE SHUTTER TYPE VALVES OF BEDS NO. P, L & N AT NEK K-II FILTER PLANT.	--	--	1.00 Million	6253-25 5.5 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	May 2017
18.	DE SILTING FROM THICKENER POND NO:2 AT NEK-KII	--	--	0.92 Million	7403-49 2.5 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	May 2017
19.	DE SILTING FROM OVER FLOW CHANNEL:2 AT NEK-KII	--	--	0.91 Million	7403-49 2.5 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	May 2017
20.	RAISING OF BOUNDARY WALL AT NEK-KII.	--	--	2.4 Million	7404-25 2.5 Million	NON-ADP	Single Stage One Envelope System Through Tender	--	--	--	May 2017
21.	EMERGENT MAJOR OVERHAULING OF ISUZU TRUCK NO. GS-8092 MODEL 1974, N E K (P&F), K-II PLANT.	--	--	0.6 Million	6252-02 0.8 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	May 2017
22.	EMERGENT WORK OF A/C HINO COASTER NO. GA - 4357, N E K (P&F), K-II PLANT.	--	--	0.2 Million	6252-02 0.8 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	May 2017
23.	JUNGLE CLEARANCE / LEVELING AND DRESSING IN THE PREMISES OF NEK 100 MGD PLANT.	--	--	0.8 Million	7403-19 1.5 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	May 2017

  
**Jawaid Ali Kamboh**  
 Div. Accounts Officer  
 North East Karachi  
 (P&F) K-II, KW&SB

  
**PARDEEP KUMAR**  
 Resident Engineer  
 N.E.K (P&F) K-II-II,  
 KW&SB



Province :- Sindh  
Branch :- KW&SB  
YEAR :- 2016 - 2017

C.P.W.D.-3  
N.E.K. (P), K-II & III DIVISION  
N.E.K. (P), K-II Sub-Division

## ABSTRACT OF COST ORIGINAL ESTIMATE

P.W.A. Code Paragrapha 330 - 332

NAME OF WORK :- ELECTRICAL ENGINEERING SERVICES OF PANEL FOR 11 /200 KV TRANSFORMER I/C RECEPTION  
OF CABLE & SERVICING OF PANEL FOR 80 HP WASH WATER MOTOR AT N.E.K (P&F), K-II. (F/P)

S.NO		Quantity of Nos	RATE	PER	AMOUNT	TOTAL
1	Servicing of electric panel for operating 11/200KVA transformer					
	decontamination of bus bar including replacement of over heated bus bar		16,270/-		32540/-	
	lugs, nuts and bolts etc (one incoming + 1 out going panel).	02 Jobs	60,615.00	Job	121,230.00	
2	Providing and fixing circuit breaker 400amps TP setting 400-630 amps (XS-630 CJ)					
	on prepared board as required. (Pg-31, Itm- 211, PB-56).	01 No.	61,696.00	each	61,696.00	
3	Providing and fixing circuit breaker 125,150,200 & 225amps TP(XS-22 NS)					
	on prepared board as required. (Pg-31, Itm- 208, PB-56).	02 No.	25,541.00	each	51,082.00	
4	Providing and fixing circuit breaker 250amps TP setting 160-250amps (XS-250 NJ)					
	on prepared board as required. (Pg-31, Itm- 209, PB-56).	02 No.	27,411.00	each	54,822.00	
5	Providing and fixing circuit breaker 15, 20, 30, 40, 50, 60,75 & 100amps TP setting					
	(XS-100 NS) on prepared board as required. (Pg-31, Itm- 207, PB-56).	02 No.	9,261.00	each	18,522.00	
6	Providing and laying (main or sub main) PVC insulated and PVC shitted with 3.5 core					
	armed copper conductor 600/1000 volts size 185mm2 (PB-56, Item- 77, Pg-11)	25 Meter	9,432.00	p.meter	2,35,800.00	
7	Providing and laying (main or sub main) PVC insulated and PVC shitted with 3.5 core					
	armed copper conductor 600/1000 volts size 240mm2 (PB-56, Item- M96, Pg-11)	24 Meter	14,895.00	p.meter	3,57,480.00	
			Total		9,00,632.00	
					811,942.00	

GHULAM MUHAMMAD MAGSI  
Assistant En. Engineer  
North East Karachi  
N.E.K. K-II Filter Plant  
K.W.&S.D.

Province :- Sindh  
Branch :- KW&SB  
YEAR :- 2016 - 2017

C.P.W.D.-3  
N.E.K. (P), K-II & III DIVISION  
N.E.K. (P), K-II Sub-Division

## ABSTRACT OF COST ORIGINAL ESTIMATE

P.W.A. Code Paragrapha 330 - 332

NAME OF WORK :- ELECTRICAL ENGINEERING SERVICES OF PANEL FOR 11 /200 KV TRANSFORMER I/C RECEPLACEMENT  
OF CABLE & SERVICING OF PANEL FOR 80 HP WASH WATER MOTOR AT N.E.K (P&F), K-II. (F/P)

S.NO		Quantity of Nos	RATE	PER	AMOUNT	TOTAL
8	Providing & fixing Magnetic contact FC 125 N as required as per instruction of E/I. (PB-56, Itm-256, Pg-37).	01 No.	29,010.00	Each	29,010.00	811942.00
9	Providing & fixing Magnetic contact FC 80 N as required as per instruction of E/I. (PB-56, Itm-255, Pg-37).	01 No.	16,705.00	Each	16,705.00	
10	Providing & fixing overload relays for size 6 & 11 model FT 190 as required as per instruction of E/I. (PB-56, Itm-266, Pg-38).	01 No.	15,861.00	Each	15,861.00	
11	Providing and fixing timer 500 hours power backup (National) after removing of existing Burnt / damaged/ old timer after diconnection of main power supply and re-connection of the after fixing of them timer as required as per instruction of E/I. (PB-56, Itm-288, Pg-41).	01 No.	9,609.00	Each	9,609.00	
12	Providing and fixing ammeters size 96/96 15A, 30A, 50A, 60A, 100A as required as per instruction of E/I. (PB-56, Itm-284, Pg-41).	02 Nos.	1,054.00	Each	2,108.00	
13	Providing and fixing volt meters size 96/96 mm 500 volt as required as per instruction of E/I. (PB-56, Itm-285, Pg-41).	01 No.	999.00	Each	999.00	
14	Providing and fixing current transformer rating 3000/S amp (Square/rectangular RCC-125 as per instruction of E/I. (PB-56, Itm-282, Pg-40).	03 Nos.	7,076.00	Each	21,228.00	
	( Nine Lac Ninty Six Thousnad One Hundred Fifty Two only).		Total		9,96,152.00	

**GHULAM MUHAMMAD MAGSI**  
Assistant Ex. Engineer  
North East Karachi  
N.E.K. & T. Plant  
KW&SB.

**PARDEEP KUMAR**  
Resident Engineer  
N.E.K (P&F) K-II,III.  
KW&SB

9,07,462.00  
SE

An estimate amounting to Rs. 9,96,152/- has been prepared by the concerned Division on the basis of S.C.R 2012. After checking the rates and calculation of the estimate of Rs. 9,96,152/- by the Divisional Engineer, North East Karachi, Sindh, vide Letter No. N.E.K. (P&F) K-II/III/2012/222 dated 29-8-2012. The estimate is approved by the Divisional Engineer, North East Karachi, Sindh, vide Letter No. N.E.K. (P&F) K-II/III/2012/222 dated 29-8-2012. The estimate is approved by the Divisional Engineer, North East Karachi, Sindh, vide Letter No. N.E.K. (P&F) K-II/III/2012/222 dated 29-8-2012. The estimate is approved by the Divisional Engineer, North East Karachi, Sindh, vide Letter No. N.E.K. (P&F) K-II/III/2012/222 dated 29-8-2012.

Province :- Singh  
Branch :- KW&SB  
YEAR:- 2016-2017

C.P.W.D.-3  
N.E.K. (P&F), K-II DIVISION  
N.E.K.(P&F), K-II Sub-Division

## ABSTRACT OF COST ORIGINAL ESTIMATE

P.W.A. Code Paragrapha 330 - 332

**NAME OF WORK :- COMPLETE OVERHAULING OF 2008.8 M3/H (WEIR PUMP) # A I/C SERVICING OF ELECTRIC MOTOR & PANEL INSTALLED AT HIGH LIFT PUMP HOUSE N E K (P&F), K-II, PLANT.**

S.NO	Sub Heads and items of Work	Quantity of Nos	RATE		PER	AMOUNT		TOTAL
			RS	PS		RS	PS	
1	Removal of Termination and terminal box and isolated the 60 K W Electric Motor from the Pump remove from base then dismantle the pump from foundation and de-bolting the equipment removal of column Pipe 18" dia 3 Nos then re-assembling the pump after engineering , servicing, Complete its termination after servicing & fixing of terminal Box complete in all respect and as per direction of engineer incharge.	01 Job.	18290 -	00	job	18290 -	00	
2	Removal of impeller from shaft with help of hydraulic pressure machine & oxygen actylene Flame as per direction of engineer in charge.	01 Job.	9065 -	00	job	9065 -	00	
3	Re-conditioning & balancing of UNIGLIDE type impeller pump 18" dia by welding of worn out wings used special organ welding with help of kansi electrodes & machining & grinding to bring finished size with out disturbing its original shape & balancing as per sample and as per direction of engineer in charge.	01 Job.	25650 -	00	job	25650 -	00	
4	Re-fixing of impeller in pump shaft with the help of hydraulic pressure machine (heavy duty) & balancing with accurate centre as per direction of engineer in charge.	01 Job.	5450 -	00	job	5450 -	00	
5	Manufacturing & providing S.S.Saleeve as per sample size 50x40x100mm direction of engineer in charge	02 Nos.	✓ 2,259	17	each	✓ 4,518	32	
6	Manufacturing & providing S.S.Saleeve as per sample size 50x40x140mm direction of engineer in charge	01 No.	✓ 3,290	00	each	✓ 3,290	00	
7	Manufacturing & providing S.S.Saleeve as per sample size 50x40x175mm direction of engineer in charge	01 No.	✓ 3,807	59	each	✓ 3,807	59	
			Total			84,704	27	

70,070.93

Province :- Sindh  
Branch :- KW&SB  
YEAR :- 2016-2017

C.P.W.D.-3  
N.E.K. (P&F), K-II DIVISION  
N.E.K.(P&F), K-II Sub-Division

## ABSTRACT OF COST ORIGINAL ESTIMATE

P.W.A. Code Paragrapha      330 - 332

**NAME OF WORK :- COMPLETE OVERHAULING OF 2008.8 M3/H (WEIR PUMP) # A I/C SERVICING OF ELECTRIC MOTOR & PANEL INSTALLED AT HIGH LIFT PUMP HOUSE N E K (P&F), K-II, PLANT.**

S.NO	Sub Heads and items of Work	Quantity of Nos	RATE		PER	AMOUNT		TOTAL
			RS	PS		RS	PS	
8	Manufacturing & providing M.S.Saleeve as per sample size 100x40x200mm direction of engineer in charge	02 Nos.	2,646	43	B/F each	<del>84,704</del>	<del>27</del>	70,070.93
9	Removal of saleeve with the help of hydraulic pressure machine (heavy duty) & acetylene flame as per direction Engineer in charge	06 Nos.	8002	00	each	48012	00	
10	Fixing of sleeve in pump shaft by heat engineering process as per direction engineer in charge.	06 Nos.	3962	00	each	23772	00	
11	Manufacturing & providing M.slock Key as per sample Size 150x20x12mm as direction of in charge	04 Nos.	475	00	each	1,900	00	
12	Manufacturing & providing spider bush Rubber bearing with gun metal steel body re-enforced with neuprem rubber as per sample as per direction of engineer in charge size 75x55x100mm	01 No.	6,852	00	each	6,852	00	
13	Manufacturing & providing spider bush Rubber bearing with gun metal steel body re-enforced with neuprem rubber as per sample as per direction of engineer in charge size 75x55x80mm	02 Nos.	6,383	00	each	12,766	00	
14	Removal of rubber bearing (spider bush) from housing with the help of hydraulic pressure machine (heavy duty) & acetylene flame as per direction Engineer in charge	03 Nos.	8002	00	each	24006	00	
15	Fixing of rubber bearing (Spider Bush) in housing by Heat engineering process as per direction in charge.	03 Nos.	3962	00	each	11886	00	
16	Manufacturing & Providing of studs as per sample as per direction of i/charge.	03 Nos.	700	00	each	2,100	00	
			Total			2,31,154	86	

2,06,657.79

Province :- Singh  
Branch :- KW&SB  
YEAR :- 2016-2017

C.P.W.D.-3  
N.E.K. (P&F), K-II DIVISION  
N.E.K. (P&F), K-II Sub-Division

## ABSTRACT OF COST ORIGINAL ESTIMATE

P.W.A. Code Paragrapha 330 - 332

**NAME OF WORK :- COMPLETE OVERHAULING OF 2008.8 M3/H (WEIR PUMP) # A I/C SERVICING OF ELECTRIC MOTOR & PANEL INSTALLED AT HIGH LIFT PUMP HOUSE N E K (P&F), K-II, PLANT.** B/F RS. 206657.79

S.NO	Sub Heads and items of Work	Quantity of Nos	RATE		PER	AMOUNT		TOTAL
			RS	PS		RS	PS	
17	Manufacturing of S.S. Neck ring having size 240x220x33mm For weir pump as per sample direction of in charge.	01 No.	<del>6302</del>	00	B/F	<del>2,31,154</del>	86	
			6302	7,602	00	each	6302	7,602
18	Removal of S.S. Neck Ring from defuser housing with the help of hydraulic pressure machine.	01 Job.	8002	00	each	8002	00	
			8,780	00		8,780	00	
19	Fixing of S.S. Neck Ring in the defuser housing by Heat engineering process.	01 Job.	3962	4,280	00	each	3962	4,280
20	Providing 12x12 mm Teflon gland Packing.	10 KG	✓	1,250	00	Kg	✓	12,500
21	Providing rubber flange gas kit size 4x1/8" (Pb-49, Ph-71, Itm-06)	20 KG	✓	220	00	Kg	✓	4,400
22	Providing 0.5mm Fiber Paper sheet (Imported) having width = 1 Meter	03 Meter	✓	300	00	meter	✓	900
23	Providing Cotton Waste. (Pb-48, Ph-35, Itm-120)	200 Pounds	✓	60	00	Pound	✓	12,000
24	Providing Nuts & Bolts i/c Plain & Spring Washer. (Pb-49, Ph-71, Itm-05)	100 KG	✓	250	00	Kg	✓	25,000
25	Providing USA Made dedex Jointing Solution.	01 Kg	✓	1,200	00	kg	✓	1,200
26	Over hauling of 60 KW vertical houlow shaft Electric Motor. Scope of Work as Under :- * Initial testing and dismantalling of Motor. * Washing / Cleaning of winding with Special Cleaning agent (C.T.C.) * Drying Winding at 110 C temparature. * Testing of winding before impegranatain. * Impregnatain of winding with class " F" warnish, insulation and drying. * Complete cheeking & balancing of rotor after decabonise. * Static testing and painting of complete motor. * witness testing at site.	01 Job	48879	00	1 job	48879	00	
			90,321	68		90,321	68	
						329862	79	
						3,98,137	86	
			Total					



Province :- Sindh  
Branch :- KW&SB  
YEAR :- 2016-2017

C.P.W.D.-3  
N.E.K. (P&F), K-II DIVISION  
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## ABSTRACT OF COST ORIGINAL ESTIMATE

P.W.A. Code Paragrapha 330 - 332

NAME OF WORK :- **COMPLETE OVERHAULING OF 2008.8 M3/H (WEIR PUMP) # A I/C SERVICING OF ELECTRIC MOTOR & PANEL INSTALLED AT HIGH LIFT PUMP HOUSE N E K (P&F), K-II, PLANT. B/F. 329802/79**

S.NO	Sub Heads and items of Work	Quantity of Nos	RATE		PER	AMOUNT		TOTAL
			RS	PS		RS	PS	
27	Providing of bearing # 6318 BCG (SKF)	01 Nos.	18,503	00	B/F No.	18,503	00	3
	<b>Detail of Service.</b>							
	Virabtion Analysis	1 Job	6,500	00	Job	6,500	00	
	Dynamic Balancing	1 Job	12,000	00	Job	12,000	00	
	Service Fee for Laser Alignment / Cheeking.	1 Job	11,800	00	Job	11,800	00	
	Service Fee for Bearing Mounting / Dismounting	1 Job	6,000	00	Job	6,000	00	
	Transportation Charges of all equipments.	1 Job	3,100	00	Job	3,100	00	
	Weight / Shims / Lubricants of SKF	1 Job	2,200	00	Job	2,200	00	
	up down of SKF certified engineers for 3 days.	1 Job	2,800	00	Job	2,800	00	
28	Servicing of electric panel for operating 60 KW, electric motor decontamination of bus bar including replacement of over heated bus bar lugs, nuts & bolts etc (one incoming + 1 out going panel).	02 Jobs	34125	00	Job	68250	00	
			60,615	00		121,230	00	
			Total			5,82,270	86	
	(Rs. Five Lac Eighty Two Thousand Two Hundred and Seventy Only)					427855	79	
						427856	00	
	<b>K.A. PABHAI</b> Asstt. Engineer NEK, K-II & K-III, Pumping K.W. & S.B.	<b>Jawad Ali Kamboh</b> Div. Account Officer North (P&F) K-II, KW&SB			<b>JAMIL AHMED ANSARI</b> Superintending Engineer NEK (P&F) 2 KW&SB			
	An estimate amounting to Rs.582271/- has been prepared by the concerned division. After checking the rates and calculation of the estimate it comes to Rs.427856/- (Rupees Four Lacs, twenty Seven thousand Eight hundred & Fifty Six only), vide Letter No. KW&SB/DESIGN/DIR/2012/222 dt 29.8.2012.							

SK (P&F-2)

CS (E&M)  
DMD (P&F)

18-11-2016  
A.E.E

18/11/16