



# 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/2016-17/142

Dated: 02-5-2017

### **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). EMERGENT ENGINEERING SERVICES OF NON-RETURN VALVE 800MM DIA OF PUMP SET 'C' AT HIGH LIFT PUMP HOUSE, N.E.K. (P&F) K-II PLANT. 2). RUNNING & MAINTENANCE WORK OF SET NO.6 AT N.E.K. K-III PUMP HOUSE. 3). EMERGENT ENGINEERING SERVICES OF NON-RETURN VALVE 1000MM DIA OF PUMP SET 'B' AT LOW 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 works	1). Rs.1,000/= 2). Rs.1,000/=(Non-refundable in shape of Pay order in 3). Rs.1,000/= 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 : <b>22/05/2017</b> between 09.00A.M. to 01.00P.M.
8.	Date & Time of submission and Opening of Tender.	Submission of Tender at <b>23/05/2017</b> 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 <b>24/05/2017</b> to <b>07/06/2017</b> and Submission on <b>08/06/2017</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 smooth & un-interrupted Pumping & Filtration of drinking water to the Karachi city from North East Karachi K-II & K-III (Pumping & Filter Plant), KW&SB
13.	Estimated Cost of works	1). Rs.8,74,770/= 2). Rs.9,06,102/= 3). Rs.9,72,860/=

**Note:-**

1. Tender can be seen and download from SPPRA website [www.pprasinhd.gov.pk](http://www.pprasinhd.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, 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&A)*

*[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

  
  
14/4/2016

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

(Revised-4)

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.	--	--	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.	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.	--	--	0.5 Million	6253-25 5.5 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	Apr 2017
15.	NECESSARY MANUFACTURING & FIXING FLOAT / DRUMS AND SHAFT FOR FILTER BEDS AT N.E.K. K-II FILTER PLANT, KW&SB.	Copy attached	Copy attached	1.00 Million	6253-25 5.5 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	May 2017
16.	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	--	--	--	May 2017
17.	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
18.	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

19.	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
20.	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
21.	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
22.	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
23.	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
24.	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
25.	EMERGENT ENGINEERING SERVICES OF NON-RETURN VALVE 800MM DIA OF PUMP SET 'C' AT HIGH LIFT PUMP HOUSE, N.E.K. (P&F) K-II PLANT.	Copy attached	Copy attached	1.00 Million	6253-27 6 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	May 2017
26.	RUNNING & MAINTENANCE WORK OF SET NO.6 AT N.E.K. K-III PUMP HOUSE.	Copy attached	Copy attached	1.00 Million	6253-41 6 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	May 2017
27.	EMERGENT ENGINEERING SERVICES OF NON-RETURN VALVE 1000MM DIA OF PUMP SET 'B' AT LOW LIFT PUMP HOUSE, N.E.K. (P&F) K-II PLANT.	Copy attached	Copy attached	1.00 Million	6253-27 6 Million	NON-ADP	Single Stage One Envelope System Through Website	--	--	--	May 2017

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



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 :- Emergent Engineering Services of Non Return Valve 800 mm dia of Pump Set No. C at High Lift Pump House  
NEK (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	complete dismantalling of Valve shutters disc pin both side of shutter disc, shutter disc & valve body seat bronze etc.	One Job	18450/-		job	18450/-		50508
			21,580.00			21,580.00		
2	Repair, re-conditioning of shutters valve disc, complete front & back side by method of sand blasting process i/c making "V" shape thread at disc conner for fixing the disc seating ring having dia 1000mm, length 25mm, with special holding attachment, i/c anti corrosion sea paint with side of disc two coat, as per direction of engineer incharge.	One Job	1,19,460/-		job	1,19,460/-		
			4,98,248.00			4,98,248.00		
3	Local Mfg; of Valve Pin from s.s.solid shaft having dia 140mm , length 465mm making coller having dia 133 mm Length 30 mm, other step cutting havinf dia 120mm , length 310mm, and last step cutting dia 108 mm , length 120 mm making case harding on furnaue m/L as per direction of engineer incharge.	02 Nos	54390/-		each	108780/-		
			61,590.00			1,23,180.00		
4	Repair & reconditioning of Valve body both pin guide hole by method of re filling oval shape ( damged Hole) cast iron x ray welding about 6" dia and length 6" i/c making hole both pin guide at same axis with out disturbing of disalligment having dia 125mm length 25mm and other dia 107mm length 6" i/c sand balsting from in side the above body having width 800mm dia i/c making anticorrossive sea paint inside the valve as per direction of incharge.	02 Jobs	3,14,040/-		job	6,28,080/-		
			3,64,540.00			7,29,080.00		
					Total	10,50,508.00		
						8,74,770/-		

AYAZ AHMAD SHAIKH  
Assistant Executive Engineer(M)  
N.E.K: K-2, (Pumping)  
K.W. & S.B.

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.III-III,  
KW&SB

JAMIL AHMED ANSARI  
Superintending Engineer  
NEK (P&F) 2  
KWSB

An estimate amounting to Rs. 10,50,508/- has been prepared by the concerned division. After checking the rates and calculation of the estimate it comes to Rs. 8,74,770/- has been prepared. Eight years seven thousand seven hundred & seventy four rupees only. Letter No. KW&SB/DESIGN/DIR/2016/1000 dated 26/3/2017.

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),K-III Sub-Division

## ABSTRACT OF COST ORIGINAL ESTIMATE

P.W.A. Code Paragrapha 330 - 332

NAME OF WORK :- EMERGENT RUNNING & MAINTENANCE WORK OF SET NO. "06" AT NEK K-III PUMP HOUSE.

S.NO	Sub Heads and items of Work	Quantity of Nos.	RATE		PER	AMOUNT		TOTAL
			RS.	PS		RS.	PS	
1	Isolate the power supply then dismantle the 11KV 525 KW electric driven motor from foundation complete in all respect and as per direction of E/I.	01 Job.	70,340/-		Job			70,340/-
	<b>Scope of Work as Under :-</b>							
	* Removal of heat exchanger system completely.							
	* Removal of three nos. terminal box (RTD winding, RTD bearing upper/lower & RTD heating & Removal of main connection box.							
2	Fixing of Angular Contact Ball Bearing 7330 SKF (Bearings provided by the department) Required only following services.	-	-		-			-
a	Vibration analysis service fee	01 Job	55,000/-		Job			55,000/-
b	Dynamic balancing service fee	01 Job	1,23,000/-		Job			1,23,000/-
c	Laser alligument Service Fee	01 Job	98,000/-		Job			98,000/-
d	Bearing Mounting and Dis Mounting Fee.	02 Jobs	52,000/-		Job			1,04,000/-
e	Transportation Charges for all equipments.	01 Jobs	22,000/-		Job			22,000/-
f	Weight / Shims / Lubricants of SKF	02 Jobs	22,600/-		Job		22,600/-	45,200/-
g	Up / down SKF certified Engineers ( 3 days )	02 Jobs	18,000/-		Job			36,000/-
3	Grease LGHP 2/1, SKF Brand ( Imported )	15 Kg	6500/-		Kg			97,500/-
4	Repairing and reconditioning & polishing of bearing housing (upper side) having 1st o.d.315mm, 2nd o.d.250mm, i.d.100mm, depth 140mm, complete in all respect & as per direction of engineer in charge.	01 Job	40,300/-		Job			40,300/-
5	Repair & reconditioning and polishing of lower bearing housing o.d.250 mm, i.d.150mm and depth 75 mm, complete in all respect and as per direction of engineer in-charge.	01 Job	38,460/-		Job			38,460/-
			46,810/-					46,810/-
						Total		7,46,500/-

2,64,2138/-

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

C.P.W.D.-3 Pg-2  
N.E.K. (P&F), K-II DIVISION  
N.E.K.(P), K-III Sub-Division

## ABSTRACT OF COST ORIGINAL ESTIMATE

P.W.A. Code Paragrapha 330 - 332

S.NO	Sub Heads and items of Work	Quantity of Nos	RATE		PER	AMOUNT		TOTAL
			RS	PS		RS	PS	
						B/f		7,46,500/-
6	Installation of electric driven motor 11KV 525 KW type DKRJS45/9-6WF complete in all respect and as per direction of E/L.	01 Job	36,378/-		Job			36,378/-
	Scope of Work as Under :-							
	* Foundation preparation							
	* Installation of heat exchanger system completely							
	* Installation of three nos terminal box/RTD winding RTD bearing upper/lower & RTD							
	* Installation of main connection box.							
	* Alignment of machine / motor by mounting breakts							
	* Final check all electric connection in the main box tightend properly							
	* Motor is connected according with the specific direction of rotation.							
	* Check grease collector properly full, air points & water cooling points too.							
7	Repairing / Reconditioning of heat exchanger tube having dia 45mm with fix inner tube dia 20mm Length of tube 1500mm.	28 tubes	3,065/-		each			85,820/-
8	Servicing of electric panel for operating 11/3.3 KV, 412 KW A/C Induction motor							
	decontamination of bus bar including replacement of over heated bus bar		36,378/-					72,756/-
	lugs, nuts and bolts etc (one incoming + 1 out going panel).	02 jobs	60,615/-		job			1,21,230/-
9	Providing 20X20mm Telfon gland packing.	10 kg	1,250/-		kg			12,500/-
10	Providing rubber flange gas kit size 4x1/8" thic; 2mm (PB-49,P.71 IT.06)	25 kg	220/-		kg			5,500/-
11	Providing DADEX jointing Solution, made in USA	01 kg	1,200/-		kg			1,200/-
12	Cotton waste (60 pounds) (PB-48,P.35 IT.120)	60 lbs	60/-		lbs	3,600/-		36,000/-
13	P/F 0.5mm Fiber paper sheet (England Made) having w-1 Meter	04 meter	300/-		meter			1,200/-
14	Providing Nuts & Bolts i/c Plain & Spring washers. (PB-49,P.71 IT.05)	85 kg	250/-		kg			21,250/-
15	Local Manufacturing of Shaft protecting sleeve made by high class carbon alloy steel (imported) for 85mm dia solid shaft saleev, Fix on shaft size L-305mm,O.D. 114mm, I.D.85mm with the help of hydraulic pressure machine after Removing worn out sleeve, complete in all respect and as per direction of engineer in charge.	01 job	23,760/-		job			23,760/-
	(Rs. Eleven Lac, Fourty One Thousand One Hundred Sixty Five Only).A39							74,825/-
								41,41,165/-
								9,06,102/-

**KASHIF MALIK**  
Asstt. Executive Engineer  
N.E.K. K-II & K-III, Pumping

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

An estimate amounting to Rs. 11,41,165/- has been prepared by the concerned division. After checking the rates and calculation of the estimate it comes to Rs. 9,06,102/- (Rupees Nine Lacs, Six Thousand One Hundred Sixty Five Only) vide letter No. KW&SB/DESIGN/D/12/2017/722 dt 29-3-2017.

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 :- Emergent Engineering Services of Non Return Valve 1000 mm dia of Pump Set "B" at Low 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	complete dismantalling of Valve shutters disc pin both side of shutter disc, shutter disc & valve body seat bronze etc.	One Job	17250/-		job	17250/-		Rs. 17,250.00
2	Repair & Re-conditioning of shutters valve disc both side of pin guide hole by method of re-filling cost iron X-ray welding the hole about 8" dia and length 5" i/c making line bore x-axis on line bore m/l having dia 120mm, length 4.6 " as per direction of engineer incharge.	One Job	167946/-		job	167946/-		Rs. 1,67,946.00
3	Repair, re-conditioning of shutters valve disc, complete front & back side by method of sand blasting process i/c making "V" shape thread at disc conner for fixing the disc seating ring having dia 1250mm, length 25mm,with special holding attchment, i/c anti corrosion sea paint with side of disc two coat, as per direction of engineer incharge.	One Job	152688/-		job	152688/-		Rs. 1,52,688.00
4	Repair & reconditioning of Valve body both pin guide hole by method of re-filling ovel shape ( damged Hole) cost iron x ray welding about 8" dia and length 8" i/c making hole both pin guide at same axis with out disturbing of disalligment having dia 133mm length 30mm & other dia 120mm length 8" i/c sand balsting from in side the above body having width 1000mm dia i/c making anticorrossive sea paint inside the valve as per direction of incharge.	02 Jobs	317488/-		job	634976/-		Rs. 6,34,976.00
(Rs. Eleven Lac Thirty Five Thousand Nine Hundred & Fifty Two Only)						Total	11,35,952.00	

**KACI**  
Asstt. Executive Engineer  
NEK, K-II & K-III, Pumping  
K.W. & S.B.

**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-III,  
KW&SB

**JAMIL AHMED ANSARI**  
Superintending Engineer  
NEK (P&F) 2  
KWSB

An estimate amounting to Rs. 11,35,952/- has been prepared by the concerned division after checking the rates and calculation of the estimate. Rs. 9,72,860/- (Rupees Ninety Seven Thousand Eight Hundred & Sixty Eight) has been paid to the contractor. The balance of Rs. 1,63,092/- is due to the contractor. The estimate is approved for payment. Dated 29-8-2012. *[Signature]*