



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE CHIEF ENGINEER (IP&D)

## BID EVALUATION REPORT

1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No.18049 I.D No. /2013
3	Tender Description/Name of Work/Item	REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date ( if applicable)	N/A .
9	No. of Bid Technically Qualified ( if applicable)	N/A .
10	Bid (s) rejected	Null
11	Financial Bid Opening Date	17/12/2013

### 12 Bid Evaluation Report

S #	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s. Malik & Co.	Rs. 2,498,000/-	1st Lowest	@ 7.4870% Above	Substantially Responsive	P.O # 8776268 Dt: 16/12/2013 Rs.50,000/- HBL Malir Cantt Br.
2	M/s. J.J Construction	Rs. 2,600,000/-	2nd Lowest	@ 11.8760% Above	Substantially Responsive	P.O # 6983797 Dt: 16/12/2013 Rs.52,000/- UBL Drigh Road Br.
3	M/s. Kashif Engg Works	Rs. 2,712,000/-	3rd Lowest	@ 16.6953% Above	Substantially Responsive	P.O # 6726217 Dt: 16/12/2013 Rs.63,630/- UBL Model Colony Br.


The all concerned bidder are being informed accordingly.

The E.E Concerned for compliance of rule 45 of SPPRA 2010 M/s. Malik & Co. declared as the lowest responsive bidder by the Committee and recommended for Sanction from Competent Authority.

  
(Tariq Akber)  
Accounts Officer (E&M)  
Member/Secretary

  
(Saif-ul-Haque)  
Additional Director Internal  
Audit - KMC Member

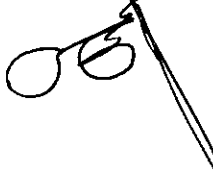



  
(Maqsood Ahmed Shaikh)  
Superintending Engineer (KMC)  
Member

  
(Noor Muhammad Chohan)  
Chief Engineer (E&M)-Water  
Member

  
(Abdul Rahim Khattai)  
Chief Engineer (IPD),  
(Convener)

**COMPARATIVE STATEMENT**  
**NAME OF WRK: REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.			M/s. J.J Construction			M/s. Kashif Engg Works		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	<p>Repairing / Re-building &amp; Corrosion Protective Coatings on the double entry Impeller of 35 MGD, WEIR Pump with the following Scope of work:</p> <p>Description of Impeller:-</p> <ul style="list-style-type: none"> <li>▶ Outer dia = 920 mm</li> <li>▶ Internal dia = 133 mm</li> <li>▶ Total height = 410 mm</li> <li>▶ Suction dia = 505 mm</li> <li>▶ Vanes size = 7" side (Upper and Lower surface eroded)</li> <li>▶ Suction vanes = 8 + 8 = 16 Nos. (Both side Upper &amp; lower)</li> <li>▶ Discharge Vanes = 8 Nos. (Curve Shape)</li> </ul> <p>Scope of work:-</p> <p>(a) Surface preparation with grit blasting as per SA ½ standard.</p> <p>(b) Decontamination of blasted surface with Belzona 9111NF.</p> <p>(c) Re-Building both sides of 16 Nos. badly damaged surface of double entry impellers vanes (inlet and outlet) with Belzona 1311.</p> <p>(d) Re-building both sides of 16Nos. badly damaged surface of double entry impeller discharge suction vanes with Belzona 1311.</p> <p>(e) Repairing of all cavities inside of discharge and suction out let and inlet vanes with Belzona 2141.</p> <p>(f) Apply Belzona 2191 surface conditioner before application of Belzona 2141.</p> <p>(g) Re-enforcement of created portions of dislocated impeller vanes with Belzona 1311 &amp; Belzona 9341 re-enforcement.</p> <p>(h) Grinding work</p> <p>(i) Corrosion protective ceramic Belzona 1341 coating on the re-surface area of the impeller.</p> <p>(j) Cavitations resistant Belzona 2141 electrochromic coating on the lightly impact zone.</p> <p>(k) Apply a thin layer of Belzona 9411 where Belzona material shout not Adhere during application.</p> <p>(l) Mechanical parts replacement and</p> <p>estimate are not in our scope of work.</p>	1	882,000.00	P/Job	882,000.00	1,000,000.00	1,000,000.00	1,100,000.00	1,100,000.00	1,132,000.00	1,132,000.00	1,132,000.00	

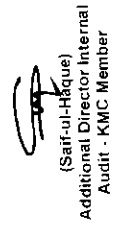
  
  
  


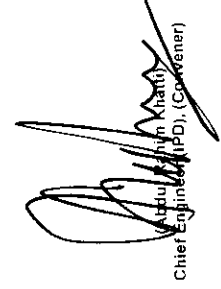
NAME OF WORK: REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE, DHABEJI

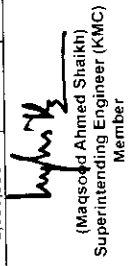
S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. J.J Construction		M/s. Kashif Engg Works		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
2	Re-building and protective coating of eroded & damaged portion of 35 MGD Weir Pump casing with the following scope of work:- (a) Grit blasting for surface preparation as per SA 2½ standards. (b) Decontamination of blasted surface with Belzona 9111NF. (c) Re-Building badly eroded surface of pump "A" casing with Belzona 1311. (d) Belzona 1291 conditioner apply before 2141 Cavitations Resistant Elastomeric Coating.	1 Job	1,442,000.00	P/Job	1,442,000.00	1,498,000.00	1,500,000.00	1,500,000.00	1,580,000.00	1,580,000.00	1,580,000.00
	Total Quoted / Corrected Cost		2,324,000.00		2,324,000.00	2,498,000.00	2,600,000.00	2,600,000.00	2,712,000.00	2,712,000.00	2,712,000.00
	Say				2,324,000	2,498,000	2,600,000	2,600,000	2,712,000	2,712,000	2,712,000

  
 (Tariq Akber)  
 Accounts Officer (E&M)  
 Member/Secretary

  
 (Noor Muhammad Chohan)  
 Chief Engineer (E&M) Water  
 Member

  
 (Saif-ur-Rahque)  
 Additional Director Internal  
 Audit - KMC Member

  
 (Abdul Mujib Khan)  
 Chief Engineer (P.D), (Governor)

  
 (Maqsood Ahmed Shaikh)  
 Superintending Engineer (KMC)  
 Member



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE CHIEF ENGINEER (IP&D)

## BID OPENING REPORT

1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No.18049 I.D No. _____/2013
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4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
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7	Total Bid Received	03 Nos
8	Technical Bid Opening Date (if applicable)	N/A.
9	No. of Bid Technically Qualified (if applicable)	N/A.
10	Financial Bid Opening Date	17/12/2013

11 Bid Opening Report

S #	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	REMARKS
1	M/s. Malik & Co.	Rs. 2,498,000/-	1st Lowest	P.O # 8776268 Dt: 16/12/2013 Rs.50,000/- HBL Malir Cantt Br.
2	M/s. J.J Construction	Rs. 2,600,000/-	2nd Lowest	P.O # 6983797 Dt: 16/12/2013 Rs.52,000/- UBL Drigh Road Br.
3	M/s. Kashif Engg Works	Rs. 2,712,000/-	3rd Lowest	P.O # 6726217 Dt: 16/12/2013 Rs.63,630/- UBL Model Colony Br.

M/s. Malik & Co. declared as the lowest responsive bidder

(Tariq Akber)

Accounts Officer (E&M)  
Member/Secretary

(Saif-ul-Haque)

Additional Director Internal  
Audit - KMC Member

(Maqsood Ahmed Shaikh)

Superintending Engineer (KMC)  
Member

(Noor Muhammad Chohan)  
Chief Engineer (E&M)-Water  
Member

(Abdul Rahim Khattak)  
Chief Engineer (IPD),  
(Convener)



# KARACHI WATER & SEWERAGE BOARD

## OFFICE OF THE CHIEF ENGINEER (IP&D)

### BID EVALUATION REPORT

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2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No.18049 I.D No. _____/2013
3	Tender Description/Name of Work/Item	REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date ( if applicable)	N/A .
9	No. of Bid Technically Qualified ( if applicable)	N/A .
10	Bid (s) rejected	Nil
11	Financial Bid Opening Date	17/12/2013

S #	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s. Malik & Co.	Rs. 1,727,524/-	1st Lowest	@ 14.9941% Above	Substantially Responsive	P.O # 8776268 Dt: 16/12/2013 Rs.50,000/- HBL Malir Cantt Br.
2	M/s. Kashif Engg Works	Rs. 1,757,638/-	2nd Lowest	@ 16.9987% Above	Substantially Responsive	P.O # 6726218 Dt: 16/12/2013 Rs.30,550/- UBL Model Colony Br. P.O # 7627008 Dt: 16/12/2013 Rs.13,500/- UBL Model Colony Br.
3	M/s. J.J Construction	Rs. 2,073,032/-	3rd Lowest	@ 37.9932% Above	Substantially Responsive	P.O # 6983796 Dt: 16/12/2013 Rs.54,000/- UBL Drigh Road Br.


The all concerned bidder are being informed accordingly.

The E.E Concerned for compliance of rule 45 of SPPRA 2010 M/s. Malik & Co. declared as the lowest responsive bidder by the Committee and recommended for Sanction from Competent Authority.

  
(Tariq Akber)  
Accounts Officer (E&M)  
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Chief Engineer (E&M)-Water  
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(Abdul Rahim Khattai)  
Chief Engineer (IPD),  
(Convener)

**COMPARATIVE STATEMENT**


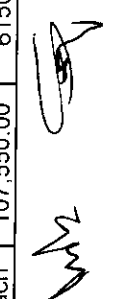
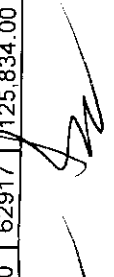
**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate				M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Disconnecting of H.T. Electric connection from Motor Panel i/c heater & Bearing temperature connection from motor.	1	1,275.00	P/Job	1,275.00	1500	1,500.00	1492	1,492.00	1,800.00	1,800.00
2	Dismantling & Pull out of H.T Motor from Pump basement.	1	2,700.00	P/Job	2,700.00	3100	3,100.00	3159	3,159.00	3,720.00	3,720.00
3	Removal of Pulley from Pump shaft with the help of Hydraulic puller machine and oxygen acetylene flam as per instruction of E/in-charge	1	15,300.00	P/Job	15,300.00	17500	17,500.00	17901	17,901.00	21,000.00	21,000.00
4	Removal of Pump casing after dismantling all Nuts from pump casing in half Portion.	1	5,550.00	P/Job	5,550.00	6300	6,300.00	6494	6,494.00	7,560.00	7,560.00
5	Pull out complete Pump i/c shaft from Pump section 25ft depth as per instruction of E/L.	1	1,950.00	P/Job	1,950.00	2500	2,500.00	2282	2,282.00	3,000.00	3,000.00
6	Removal of Bearing housing from Pump base / bed from the drive end side with the help of Hydraulic puller machine and oxygen acetylene flam as per instruction of Engineer in-charge.	1	15,300.00	P/Job	15,300.00	17000	17,000.00	17901	17,901.00	20,400.00	20,400.00
7	Removal of Bearing # 7330 from Bearing housing with the help of Hydraulic puller machine and oxygen acetylene flam as per instruction of Engineer in-charge.	2	15,300.00	P/Job	30,600.00	17000	34,000.00	17901	35,802.00	40,800.00	40,800.00
8	Removal of Bearing housing from Impeller shaft with the help of Hydraulic pressure machine and oxygen acetylene flam as per instruction of Engineer in-charge.	1	15,300.00	P/Job	15,300.00	17000	17,000.00	17901	17,901.00	20,400.00	20,400.00
9	Removal of Bearing # 6326 from Bearing housing with the help of Hydraulic pressure machine and oxygen acetylene flam as per instruction of Engineer in-charge.	1	15,300.00	P/Job	15,300.00	17000	17,000.00	17901	17,901.00	20,400.00	20,400.00
10	Removal of Neck Ring from Impeller with the help of Hydraulic pressure machine and oxygen acetylene flam as per instruction of E/in-charge.	2	15,300.00	P/Job	30,600.00	17000	34,000.00	17901	35,802.00	40,800.00	40,800.00

*[Handwritten signatures and initials are present on the right side of the page, including a large signature at the bottom right and several initials above it.]*

**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate				M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
11	Removal of Impeller from the pump shaft with the help of heavy duty Hydraulic pressure machine and oxygen acetylene flame with out changing the shape & structure of Impeller & shaft by the highly skilled worker as per instruction of Engineer in-charge.	1	22,850.00	P/Job	22,850.00	26000	26,000.00	26735	26,735.00	31,200.00	31,200.00
12	Removal of upper & lower S.S Sleeve from the Pump shaft with the help of Hydraulic pressure machine and oxygen acetylene flam as per instruction of Engineer incharge	2	15,300.00	P/Job	30,600.00	17000	34,000.00	17901	35,802.00	20,400.00	40,800.00
13	Removal of protective Pump casing ring from pump casing with the help of Hydraulic pressure machine and oxygen acetylene flam as per instruction of E / I	2	15,300.00	P/Job	30,600.00	17000	34,000.00	17901	35,802.00	20,400.00	40,800.00
14	Local Manufacturing of Pump Casing Protective Ring of KSB pump type RDLV 700-820A from Manganese Bronze by casting from free Air pocket , having composition Copper 58%, Tin 1%, Lead 2%, Iron 1%, Manganese 0.25%, Aluminum 2% and Zinc 37.55% with casing size OD=600mm, ID=475mm, height 110mm, having finished size dia 550mm, ID=495mm, width/depth complete curve side 55mm, making inner dia from Neck Ring side 551mm, depth 40mm i/c making collar at half portion of ring 5mm depth & width at outer dia of ring at center for holding purpose of ring at pump casing i/c fixing the ring on pump casing as per instruction of Engineer in-charge.	2	163,445.00	Each	326,890.00	187000	374,000.00	191231	382,462.00	224,400.00	448,800.00
15	Local Mfg. of Impeller Protective Ring of KSB Pump type RDLV 700-820A from alloy stainless steel by casting from free Air pocket & Air bubble having composition Stainless Steel 65%, Carbon 5%, Lead 3%, Iron 22%, Cadmium 2%, Cobalt 1%, Silicon 2% with casting size dia outer 560mm, inner dia 512mm, width=50mm having finished size dia outer 550 mm, inner dia 527mm & depth 40mm i/c fixing on Pump Impeller as per instruction of Engineer in-charge	2	53,775.00	Each	107,550.00	61500	123,000.00	62917	125,834.00	73,800.00	147,600.00

**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate				M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount	
16	Local Mfg. of Pump Shaft Protective Sleeve of Lower KSB Pump type RDLV 700-820A from Stainless steel type AISI 316 (Pharmaceutical food grade) solid shaft having finished size outer dia 165mm & making inner dia 145mm and length 262mm making inside sleeve dia 148mm at a distance from upper & lower side 75mm i/c making key slot 10mm depth, length of slot 45mm, width 9mm as per sample & instruction of Engineer in-charge i/c fixing of Sleeve in Pump shaft by heating & press fit process as per instruction of Engineer incharge.	1	Nos	73,997.00	Each	73,997.00	85000	85,000.00	86576	86,576.00	102,000.00	102,000.00
17	Local Mfg. of Pump Shaft Protective Sleeve upper for KSB Pump type RDLV 700-820A from Stainless steel type AISI 316 (Pharmaceutical food grade) Solid shaft having finished size Outer dia 165mm & making Inner dia 145mm and complete length 515mm and inside Sleeve dia 148mm at a distance from upper & lower side 75mm i/c making key slot at Inner side 10mm depth, width of slot 10mm, Length of Slot 45mm i/c fixing of Pump shaft by heating & Press fit process as per sample & instruction of Engineer incharge.	1	Nos	138,605.00	Each	138,605.00	160000	160,000.00	162168	162,168.00	192,000.00	192,000.00
18	Repair & Reconditioning of Pump shaft bearing housing & having cover plate by method of welding process having finished size OD=290mm, Inner dia=230mm, depth=45mm i/c buffing polishing complete.	1	Job	61,150.00	P/Job	61,150.00	70000	70,000.00	71546	71,546.00	84,000.00	84,000.00
19	Local Mfg. of Nut & Bolts for Shaft coupling from S.S. Solid Shaft having outer dia 1.7" & Length 6" making machining outer dia 25mm & length 120mm, i/c making American thread on its 24mm complete length 120mm i/c making both head hexagonal shape length 25mm each hexagonal shape width 10mm as per sample i/c making nuts with 1.75" dia S.S. Solid shaft length 1" making inside same dia 25mm & making thread inside 24mm complete i/c making hexagonal shape at other dia each side width =10mm & length 25mm as per sample & instruction of Engineer incharge.	6	Nos	6,594.00	Each	39,564.00	7500	45,000.00	7715	46,290.00	9,000.00	54,000.00

*(Handwritten signatures and initials)*



NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI

S.No	Description of Work	Engineer's Estimate				M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
20	Local Mfg. of Nuts & Bolts for Shaft coupling from Stainless steel Solid shaft having outer dia both 38mm & length 115mm i/c making dia bolt 20mm & Length 75mm i/c American Thread and in it 20mm: complete length 75mm i/c making hexagonal head at 25mm height each hexagonal head at 10mm i/c making Nut, with same dia solid shaft making hexagonal shape each side width 10mm and length 125mm & making inside American thread 25mm as per sample & instruction of Engineer incharge	10 Nos	4,679.00	Each	46,790.00	5000	50,000.00	5474	54,740.00	6,000.00	60,000.00
21	Making key of protective sleeve from Stainless steel having finished size height 20mm, width 10mm & length 40mm as per sample.	2 Nos	300.00	Each	600.00	350	700.00	351	702.00	420.00	840.00
22	Fixing of the Impeller on re-built Pump shaft with the help of hydraulic press machine & oxygen acetylene flam as per instruction of E/I	1 Job	23,100.00	P/Job	23,100.00	26500	26,500.00	27027	27,027.00	31,800.00	31,800.00
23	Balancing of Pump shaft dynamically after fixing of Impeller on the Pump shaft as per instruction of Engineer in-charge.	1 Job	67,000.00	P/Job	67,000.00	77000	77,000.00	78390	78,390.00	92,400.00	92,400.00
24	Local Mfg. and Fixing of spacer ring for Impeller pump shaft from 152mm dia length 25mm after machining finished size OD=140mm, ID=130mm and height 20mm i/c grinding, polishing & fixing at pump shaft near bearing portion.	2 Nos	5,309.00	Each	10,618.00	6000	12,000.00	6212	12,424.00	7,200.00	14,400.00
25	Local Mfg. of Shaft coupling stud form high Carbon high tensile solid shaft outer dia 125mm length 88mm i/c machining & making 'V' Shape thread at outer dia 12mm complete length 88mm i/c making nuts from 20mm solid shaft making inner hole 15mm dia & making 'V' Shape at outer dia each side hexagonal 7mm width as per instruction of the Engineer incharge.	12 Nos	350.00	Each	4,200.00	400	4,800.00	410	4,920.00	480.00	5,760.00

*[Handwritten signatures and initials]*

NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI

S.No	Description of Work	Engineer's Estimate				M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J. J Construction	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
26	Providing / Fixing lock spring MB-26 for Bearing No.6326 C-3 Branded SKF as per instruction of E/I.	1	2,500.00	Each	2,500.00	2850	2,850.00	2925	2,925.00	3,420.00	3,420.00
27	Providing / Fixing of 20mm x 20mm each 4 side Teflon Gland packing, high pressure, high temperature resistant (Imported) as per instruction of Engineer in-charge.	5	2,000.00	P/Kg	10,000.00	2300	11,500.00	2340	11,700.00	2,760.00	13,800.00
28	Providing of USA made DADEX jointing solution at site	1	1,500.00	P/Kg	1,500.00	1700	1,700.00	1755	1,755.00	2,040.00	2,040.00
29	P/F of 0.5mm Kilingrite Fiber sheet made by England having width 1-Meter after cleaning rubbing of old sheet piece from the pump casing surface both pump casing as per instruction of Engineer in-charge.	5	1,043.00	P/Meter	5,215.00	1200	6,000.00	1220	6,100.00	1,440.00	7,200.00
30	Supply of Cotton Waste bags (White Bleached) 100Lbs.	100	60.00	Lb	6,000.00	70	7,000.00	70	7,000.00	84.00	8,400.00
31	Fixing of complete pump impeller shaft at Lower Pump room and fitting of 48Nos Nuts of pump casing leak proof as per instruction of Engineer in-charge.	1	8,300.00	P/Job	8,300.00	9500	9,500.00	9711	9,711.00	11,400.00	11,400.00
32	Fixing of intermediate shaft of 35MGD KSB pump with Impeller shaft by coupling bush with zero alignment as per origin tight fit Nut & bolts.	1	5,905.00	P/Job	5,905.00	6700	6,700.00	6909	6,909.00	8,040.00	8,040.00
33	Fixing of Pulley of Pump shaft by the help of hydraulic press machine and oxygen acetylene flani.	1	16,650.00	P/Job	16,650.00	19000	19,000.00	19481	19,481.00	22,800.00	22,800.00

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**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
34	Local Mfg. & fixing of Chuck Nut / Lock nut with locking washer device of Specific feather to with Stand against dynamic stress on the Pump set during operation with vanadium Pharmaceutical shaft from 178mm dia, length 37mm, finished size OD=170mm, ID=128mm width 35mm having chamfered at one end side 60° at Corner length 10mm i/c making square groove for gripping 06Nos. i/c tempering & hardening as per instruction of E/I.	1	28,399.00	P/Job	28,399.00	32500	32,500.00	33227	33,227.00	39,000.00	39,000.00
35	Local Mfg: of Rubber lined bearing bush from phosphorus bronze material having OD=240mm, ID=170mm & length 260mm by centrifugal casting free to air bubble / air pocket with finished outer dia 210mm, ID 185mm, length 230mm i/c making collar at one end dia 220mm, width 10mm i/c making step cutting between outer bush dia 208mm, length 120mm i/c making inside bush groove cut for gripping rubber line each distance 20mm , depth 3mm V shape i/c making 2 hole at collar bottom side & thread in hole 10mm & rigid fixing of Butyl Rubber compound lining having resistance temperature, workable to water lubricants & capable to afford & friction by compressed molding process inside the bronze bush having outer dia 185mm, inner dia 160mm, & length 240mm i/c making groove square shape at rubber line 10Nos each and equal length 240mm for passing water lubricants as per instruction of Engineer in-charge.	1	120,299.00	Each	120,299.00	138000	138,000.00	140750	140,750.00	165,600.00	165,600.00

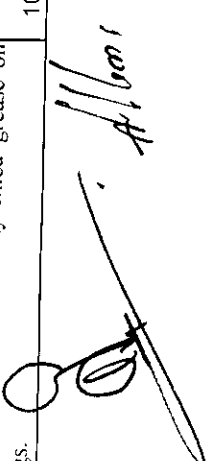

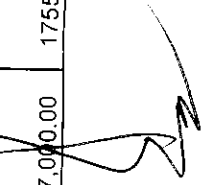
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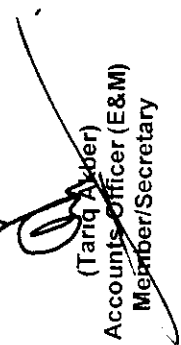
**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI**

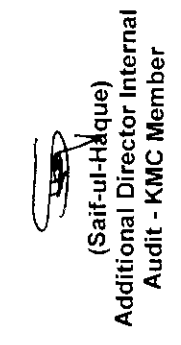
S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
36	Local Mfg: of Water throat ring of KSB Pump from special phosphorus bronze manganese with centrifugal casting having OD=230mm, ID=147mm, length=46mm i/c making finished size with collar dia from out side 190mm, inner collar dia 152mm, complete overall dia 210mm, ID=162mm, collar thickness 5mm both side, total width 36mm i/c making two slots 5mm width & 5mm depth i/c making 6 holes 13mm dia each & equal distance at thread dia as per instruction of E./I	1	25,016.00	Each	25,016.00	28500	28,500.00	29269	29,269.00	34,200.00	34,200.00
37	Local Mfg: of Gland lantern Neck Ring of KSB Pump from special phosphorus bronze manganese with centrifugal casting having OD=230mm, ID=147mm, width=25mm & making / polishing having OD=210mm, & ID=162mm, width 15mm as per instruction of Engineer in-charge.	1	12,076.00	Each	12,076.00	13500	13,500.00	14129	14,129.00	16,200.00	16,200.00
38	Local Mfg: of Bearing housing ceramic seal, having OD=132mm, ID=116mm, & width upper side =8mm both corner side chamfered at 60° and bottom side outer dia 124mm as per instruction of Engineer in-charge.	1	14,575.00	Each	14,575.00	16500	16,500.00	17053	17,053.00	19,800.00	19,800.00
39	Local Mfg: of ceramic seal for shaft slecve, having OD=151mm, ID=141mm, having seal cross sectional dia 5"as per instruction of Engineer in-charge.	2	7,312.00	Each	14,624.00	8400	16,800.00	8555	17,110.00	10,080.00	20,160.00
	i). Providing pure Stainless Steel Nuts & bolts i/c washers 'M' Brand size 15mm to 25mm.	15	725.00	P/Kg	10,875.00	850	12,750.00	848	12,720.00	1,020.00	15,300.00
	ii). Providing Lubricant Special Grease LGHP 2/1 High performance Polyurea temp 302°F /150°C, SKF Brand for newly filled grease on Bearings.	10	1,500.00	P/Kg	15,000.00	1700	17,000.00	1755	17,550.00	2,040.00	20,400.00

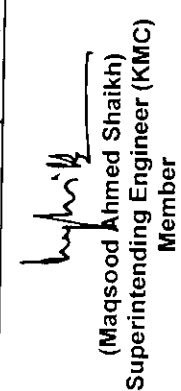

  

  


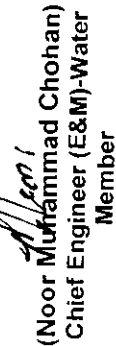
**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
40	Fixing of Motor at Pump base frame after removing the corrosion & ruff surface without disturbing origin surface & making connection of H.T electric cable at motor panel and also connect the bearing temperature, heater temperature connection by removing & finishing carbon all lead terminal from C.T.C i/c coupling the motor pulley & pump pulley with accurate accuracy digital level indicating m/c free to vibration & noise testing.	1	47,111.00	P/Job	47,111.00	55000	55,120.00	55120	55,120.00	66,000.00	66,000.00
41	Scraping, Brushing and removing Old Paint from metal surface. Painting Guards, Bars, Gates, Iron Bars, Grating railing i/c standard braces etc. and similar open work. 1st. Cost. 2nd Cost.	800 Sft	605.00	% Sft	4,840.00	700	5,664.00	708	5,664.00	840.00	6,720.00
42	Transportation, loading & un-loading charges at Dhabeji to Karachi different workshop at Karachi and back to Dhabeji Pump House i/c loading & un-loading	800 Sft	371.80	% Sft	2,974.40	430	3,440.00	435	3,480.00	516.00	4,128.00
		800 Sft	302.80	% Sft	2,422.40	348	2,784.00	354	2,832.00	418.00	3,344.00
	<b>Total Quoted / Corrected Cost</b>	1 Job	30,000.00	P/Job	30,000.00	49000	49,000.00	35100	35,100.00	58,800.00	58,800.00
	Say				1,502,270.80		1,727,524.00		1,757,638.00		2,073,032.00
					1,502,271		1,727,524		1,757,638		2,073,032

  
(Tariq Akber)  
Accounts Officer (E&M)  
Member/Secretary

  
(Saif-ul-Haque)  
Additional Director Internal  
Audit - KMC Member

  
(Magsood Ahmed Shaikh)  
Superintending Engineer (KMC)  
Member

  
(Noor Muhammad Chohan)  
Chief Engineer (E&M)-Water  
Member

  
(Abdul Rahim Khattar)  
Chief Engineer (IPD) (Convener)



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE CHIEF ENGINEER (IP&D)

## BID OPENING REPORT

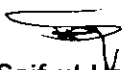
1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No.18049 I.D No. /2013
3	Tender Description/Name of Work/Item	REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date ( if applicable)	N/A .
9	No. of Bid Technically Qualified ( if applicable)	N/A .
10	Financial Bid Opening Date	17/12/2013

### 11 Bid Opening Report


S #	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	REMARKS
1	M/s. Malik & Co.	Rs. 1,727,524/-	1st Lowest	P.O # 8776268 Dt: 16/12/2013 Rs.50,000/- HBL Malir Cantt Br.
2	M/s. J.J Construction	Rs. 1,757,637/-	2nd Lowest	P.O # 6726218 Dt: 16/12/2013 Rs.30,550/- UBL Model Colony Br. P.O # 7627008 Dt: 16/12/2013 Rs.13,500/- UBL Model Colony Br.
3	M/s. Kashif Engg Works	Rs. 2,073,029/-	3rd Lowest	P.O # 6983796 Dt: 16/12/2013 Rs.54,000/- UBL Drigh Road Br.

M/s. Malik & Co. declared as the lowest responsive bidder

  
(Tariq Akber)  
Accounts Officer (E&M)  
Member/Secretary

  
(Saif-ul-Haque)  
Additional Director Internal  
Audit - KMC Member

  
(Maqsood Ahmed Shaikh)  
Superintending Engineer (KMC)  
Member

  
(Noor Muhammad Chohan)  
Chief Engineer (E&M)-Water  
Member

  
(Abdul Rahim Khattai)  
Chief Engineer (IPD),  
(Convener)



**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE CHIEF ENGINEER (IP&D)**

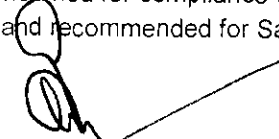
**BID EVALUATION REPORT**

1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No.18049 I.D No. _____/2013
3	Tender Description/Name of Work/Item	LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700- 820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date (if applicable)	N/A.
9	No. of Bid Technically Qualified (if applicable)	N/A.
10	Bid (s) rejected	Nil
11	Financial Bid Opening Date	17/12/2013
12	Bid Evaluation Report	

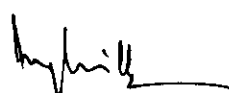
S #	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s. Malik & Co.	Rs. 2,498,800/-	1st Lowest	@ 0.0527% Above	Substantially Responsive	P.O # 8776269 Dt: 16/12/2013 Rs.50,000/- HBL Malir Cantt Br
2	M/s. Kashif Engg Works	Rs. 2,573,764/-	2nd Lowest	@ 3.0543% Above	Substantially Responsive	P.O # 6726336 Dt: 16/12/2013 Rs.51,320/- UBL Model Colony Br. P.O # 7627276 Dt: 16/12/2013 Rs.500/- UBL Model Colony Br.
3	M/s. J.J Construction	Rs. 2,623,740/-	3rd Lowest	@ 5.0554% Above	Substantially Responsive	P.O # 6983798 Dt: 16/12/2013 Rs.53,000/- UBL Drigh Road Br.


The all concerned bidder are being informed accordingly.


The E.E Concerned for compliance of rule 45 of SPPRA 2010 M/s. Malik & Co. declared as the lowest responsive bidder by the Committee and recommended for Sanction from Competent Authority.

  
(Tariq Akber)  
Accounts Officer (E&M)  
Member/Secretary

  
(Saif-ul-Haque)  
Additional Director Internal  
Audit - KMC Member

  
(Maqsood Ahmed Shaikh)  
Superintending Engineer (KMC)  
Member

  
(Noor Muhammad Chohan)  
Chief Engineer (E&M)-Water  
Member

  
(Abdul Rahim Khattai)  
Chief Engineer (IPD),  
(Convener)

**COMPARATIVE STATEMENT**

**NAME OF WORK:- LOGAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700-820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI**

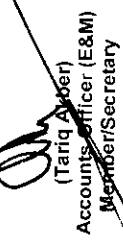
S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction			
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount	
1	Providing Bearing No.7330 BCBM, SKF Brand for KSB Pump type RDLV 700-820A with following scope of work:-	2 Nos	260,700.00	Each	521,400.00	270000	540,000.00	278100	556,200.00	283,500.00	567,000.00	
	(a) Vibration Analysis Service Fee.	1 Job	70,000.00	P/Job	70,000.00	70000	70,000.00	72100	72,100.00	73,500.00	73,500.00	
	(b) Dynamic Balancing service Fee (with Intermediate shaft).	1 Job	165,000.00	P/Job	165,000.00	167500	167,500.00	172525	172,525.00	175,875.00	175,875.00	
	(c) Service fee for Laser alignment / checking.	1 Job	98,000.00	P/Job	98,000.00	96000	96,000.00	98880	98,880.00	100,800.00	100,800.00	
	(d) Service fee for Bearing Mounting & dis-mounting.	2 Job	85,000.00	P/Job	170,000.00	83000	166,000.00	85490	170,980.00	87,150.00	174,300.00	
	(e) Up & Down of SKF certified Engineer (02 Days)	1 Job	36,000.00	P/Job	36,000.00	35500	35,500.00	36565	36,565.00	37,275.00	37,275.00	
	(f) Weight / Shim / Lubricants of SKF Charges.	1 Job	29,600.00	P/Job	29,600.00	29000	29,000.00	29870	29,870.00	30,450.00	30,450.00	
	2	Providing Bearing No.6326 C-3 SKF Brand of Pump Shaft	1 Nos	115,000.00	Each	115,000.00	115000	115,000.00	118450	118,450.00	120,750.00	120,750.00
	(a) Vibration analysis Service Fee.	1 Job	45,000.00	P/Job	45,000.00	43800	43,800.00	45114	45,114.00	45,990.00	45,990.00	
	(b) Dynamic Balancing service Fee.	1 Job	68,000.00	P/Job	68,000.00	65000	65,000.00	66950	66,950.00	68,250.00	68,250.00	
	(c) Service fee for Laser alignment / checking.	1 Job	65,000.00	P/Job	65,000.00	65000	65,000.00	66950	66,950.00	68,250.00	68,250.00	
	(d) Service fee for Bearing mounting & dis-mounting.	1 Job	35,000.00	P/Job	35,000.00	36000	36,000.00	37080	37,080.00	37,800.00	37,800.00	
	(e) Weight / Shims / Lubricants of SKF Charges.	1 Job	17,000.00	P/Job	17,000.00	15000	15,000.00	15450	15,450.00	15,750.00	15,750.00	
3	Local Mfg. of KSB Pump shaft from Stainless steel Solid shaft food grade SAE- 316, from 191mm dia length 2210mm & machining at bottom of the shaft dia 145mm length 260mm i.e making of impeller staying dia 180mm and length 270mm, machining at impeller portion dia 150mm & length 370mm, machining at upper of impeller portion dia 145mm & length 670mm, making thread for lock sleeve 140mm & length 225mm making step dia 127mm & length 45mm i.e making coupling portion dia 120mm & length 278mm, making outer cut for grip the coupling 15mm width & depth of groove 5mm making key slot 8mm length of Slot 50mm & making Key Slot for Impeller grip, length 145mm width of slot 36mm and depth of slot 12mm & making overall lower end shaft key slot, depth 10mm, width of slot 6mm, length of slot 50mm as per instruction of Engineer incharge.	1 Nos	852,995.00	Each	852,995.00	850000	850,000.00	875500	875,500.00	892,500.00	892,500.00	

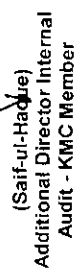
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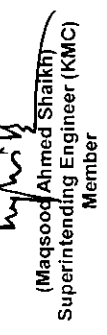


NAME OF WORK: LOCAL MANUFACTURING OF PUMP SHAFT TYPE ROLV-700- 820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI

S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
4	Local Mfg. of Gland of Pump from casting of phosphorus bronze having casting size OD=354mm, Collar dia 305mm, width 45mm total length 250mm having finished size Gland shape 30.5mm Gland plate width 30mm, collar dia finished size 178mm, width 35mm i/c making hole at centre of Gland 138mm throughout length 65mm i/c making 02Nos. hole 20mm of each of corner away 25mm & making thread 20mm as per instruction Engineer incharge.	1	209,487.00	Each	209,487.00	205000	205,000.00	211150	211,150.00	215,250.00	215,250.00
	<b>Total Quoted / Corrected Cost</b>				<b>2,497,482.00</b>		<b>2,498,800.00</b>		<b>2,573,764.00</b>		<b>2,623,740.00</b>
	Say				<b>2,497,482</b>		<b>2,498,800</b>		<b>2,573,764</b>		<b>2,623,740</b>

  
 (Tariq Abeer)  
 Accounts Officer (E&M)  
 Member/Secretary

  
 (Saif-ul-Haque)  
 Additional Director Internal  
 Audit - KMC Member

  
 (Maqsood Ahmed Shaikh)  
 Superintending Engineer (KMC)  
 Member

  
 (Noor Muhammad Chohan)  
 Chief Engineer (E&M)-Water  
 Member

  
 (Abdul Rahim Khattfi)  
 Chief Engineer (IPD), (Conveher)



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE CHIEF ENGINEER (IP&D)

## BID OPENING REPORT

1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No.18049 I.D No. /2013
3	Tender Description/Name of Work/Item	LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700- 820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date ( if applicable)	N/A .
9	No. of Bid Technically Qualified ( if applicable)	N/A .
10	Financial Bid Opening Date	17/12/2013

### 11 Bid Opening Report

S #	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	REMARKS
1	M/s. Malik & Co.	Rs. 2,498,800/-	1st Lowest	P.O # 8776269 Dt: 16/12/2013 Rs.50,000/- HBL Malir Cantt. Br.
2	M/s. Kashif Engg Works	Rs. 2,573,764/-	2nd Lowest	P.O # 6726336 Dt: 16/12/2013 Rs.51,320/- UBL Model Colony Br. P.O # 7627276 Dt: 16/12/2013 Rs.500/- UBL Model Colony Br.
3	M/s. J.J Construction	Rs. 2,623,740/-	3rd Lowest	P.O # 6983798 Dt: 16/12/2013 Rs.53,000/- UBL Drigh Road Br.

M/s. Malik & Co. declared as the lowest responsive bidder

(Tariq Akber)

Accounts Officer (E&M)  
Member/Secretary

(Saif-ul-Haque)

Additional Director Internal  
Audit - KMC Member

(Maqsood Ahmed Shaikh)  
Superintending Engineer (KMC)  
Member

(Noor Muhammad Chohan)  
Chief Engineer (E&M)-Water  
Member

(Abdul Rahim Khattak)  
Chief Engineer (IPD),  
(Convener)

**OFFICE OF THE CHIEF ENGINEER (E&M)-W**  
**KARACHI WATER & SEWERAGE BOARD**

No. KW&SB/CE/E&M-W/2014/265  
Dated: 18-02-2014

M/s. Malik & Co.,  
Contractor,  
Karachi.

**LETTER OF ACCEPTANCE / SANCTION LETTER**

**SUBJECT:- REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN OUT PARTS FOR K-3 PUMP HOUSE DHABEJI**

On behalf of the employers, it is notified that following the approval of the Managing Director, KW&SB vide Para-36/N, your bid for the subjected work is hereby accepted for the sum of Rs.17,27,524/= (Rupees Seventeen Lac Twenty Seven Thousand Five Hundred Twenty Four only) as worked out / evaluated by Procurement / Evaluation Committee-I vide Para-45/N and financially concurred by Finance Department, KW&SB vide Para-49 to 60/N duly approved by M.D., KW&SB vide Para-62/N. The expenditure is chargeable to B.G. No.6123-27 for the financial year 2013-2014.

There is now binding contract between KW&SB and M/s. Malik & Co.

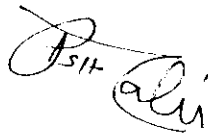
In accordance with the existing practice in vogue in KW&SB, you are required to enter in to and execute a Contract agreement. This agreement shall be signed by the employer and M/s. Malik & Co.


Provide with the 02% @ Rs.17,27,524/= of above cost as performance security in accordance with existing clause of SPPR Rules-2010 in shape of Bank Guarantee / Pay order or Bank Draft from any scheduled Bank of Pakistan.

You are therefore, directed to contact Resident Engineer, Dhabeji (Pumping) Division Office for execution of Agreement, the value of Stamp paper will be Rs.5,190/= @ 0.30% of sanctioned cost which should be produced by you.

All correspondence onward shall be carried out through Superintending Engineer (P&F)-1, KW&SB.

In case of failure, the Letter of Acceptance / Sanction Letter shall be stand cancelled.



  
(Noor Muhammad Chohan)  
Chief Engineer (E&M)-W  
K. W. & S. B.

Copy to:-

1. The D.C.E. (E&M)-W, KW&SB.
2. The S.E. (P&F)-1, KW&SB. With directives to abide all codal formalities under Rules SPPR-2010 before submission of Bill. Original work file of the above subjected work is enclosed herewith.
3. The Director Accounts, KW&SB.
4. The A.D. (LFA), KW&SB.
5. Office copy.

**OFFICE OF THE RESIDENT ENGINEER DHABEJI DIVISION (P) KW&SB.**

NO:-Dhabeji/Division (P)/Acctts/2013-14/ 805

Dhabeji the 24<sup>th</sup> February, 2014

3

M/S. Malik & Co.  
Contractor,  
Karachi.

Sub: - **WORK ORDER FOR THE WORK REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820A, PUMP SET NO.4. BY REPLACEMENT OF WORNOUT PARTS FOR K-3 PUMP HOUSE DHABEJI.**

Your tender dated:- 17-12-2013 for Rs.17,27,524/= worked out / evaluated by the procurement evaluation committee - 1, has been approved by the Managing Director Karachi Water & Sewerage Board under SPPRA- 2010.

The finance department has already been concurred and booked amounting to Rs.17,27,524/=

You are requested to please start the work and the date of commencement may be reckoned with effect from 24-02-2014

The work is to be completed with in (15) days positively.

It is also mentioned here that the work is to be carried out as per specification instructions of the Engineer In charge.

RESIDENT ENGINEER  
DHABEJI DIVISION (PUMPING)  
KW&SB

Copy to

1. The Chief Engineer (E&M) KW&SB Karachi.
2. The Superintending Engineer (P & F-1) KW&SB Dhabeji.
3. The Assistant Director (Audit) KW&SB Karachi.
4. The Assistant Executive Engineer concerned Dhabeji.
5. The spare copy for bill.

RESIDENT ENGINEER  
DHABEJI DIVISION (PUMPING)  
KW&SB

**SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY**  
**CONTRACT EVALUATION FORM**  
**TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF**  
**WORKS, SERVICES & GOODS WORTH 50 MILLION (PKR) OR ABOVE**

- |   |  |
|---|--|
| 1) NAME OF THE ORGANIZATION / DEPTT:  | Karachi Water & Sewerage Board   |
| 2) PROVINCIAL / LOCAL GOVT. / OTHER   | Local Govt Dep't   |
| 3) TITLE OF CONTRACT  | R/M of Pump Set NO.4. K-3  |
| 4) TENDER NUMBER  | Website.18049  |
| 5) BRIEF DESCRIPTION OF CONTRACT  | R/M of Pump Set NO.4. of K-3 Pump House Dhabeji.                       |
| 6) FORUM THAT APPROVED THE SCHEME   | M.D, KW&SB   |
| 7) TENDER ESTIMATED VALUE   | Rs.21,34,464/=   |
| 8) ENGINEER'S ESTIMATE<br>(FOR CIVIL WORKS ONLY)  | -  |
| 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT)  | 90 days  |
| 10) TENDER OPENED ON (DATE & TIME)  | 17-12-2013 at 2:00 P.M   |
| 11) NUMBER OF TENDER DOCUMENTS SOLD<br>(ATTACH LIST OF BUYERS)  | Three  |
| 12) NUMBER OF BIDS RECEIVED   | Three  |
| 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS  | Three  |
| 14) BID EVALUATION REPORT<br>(ENCLOSE A COPY)   | Enclosed   |
| 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER   | M/S. Malik & Co  |
| 16) CONTRACT AWARD PRICE  | Rs.17,27,524/=   |
| 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT<br>(I.E 1 <sup>ST</sup> , 2 <sup>ND</sup> , 3 <sup>RD</sup> EVALUATION BID) | (1) M/S Malik & Co<br>(2) M/S.Kashif Eggs Works<br>(3) M/S.J.J Const.. |
| 18) METHOD OF PROCUREMENT USED :- (TICK ONE)  |  |
| a) SINGLE STAGE-ONE ENVELOPE PROCEDURE _____  | <input type="checkbox"/> Domestic                                      |
| b) SINGLE STAGE-TWO ENVELOPE PROCEDURE _____  | <input type="checkbox"/> -   |
| c) TWO STAGE BIDDING PROCEDURE _____  | <input type="checkbox"/> -   |
| d) TWO STAGE - TWO ENVELOPE BIDDING PROCEDURE _____   | <input type="checkbox"/> -   |

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED I.E EMERGENCY, DIRECT CONTRACTING / NEGOTIATION ETC. WITH BRIEF REASONS:

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT \_\_\_\_\_ M.D, KW&SB.

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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21) ADVERTISEMENT

i) SPPRA website  
(If yes, give date and SPPRA Identification No.)

Yes	SPPRA NO.18049 ID NO. _____/2013
No	

ii) News Papers  
(If yes, give names of newspapers and dates)

Yes	The Nation, Jahan Pak, Sindh Affier dt.22-11-2013
No	

22) NATURE OF CONTRACT

Local	<input checked="" type="checkbox"/>	Int.	<input type="checkbox"/>
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23) WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

24) WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?  
N/A

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
-----	--------------------------	----	-------------------------------------

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of consultancies)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

29) Whether names of the bidders and their quoted prices were read out at the time of opening of bids?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?  
(Attach copy of the bid evaluation report)

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

31) ANY COMPLAINTS RECEIVED  
(If yes, result thereof)

Yes	-
No	NO

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER  
NOTICE / DOCUMENTS  
(If yes, give reasons)

Yes	-
No	NO

33) WAS THE EXTENSION MADE IN RESPONSE TIME?  
(if yes, give reasons)

Yes	-
No	NO

34) DEVIATION FROM QUALIFICATION CRITERIA  
(If yes give reasons)

Yes	-
No	NO

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE  
SELECTED FIRM IS NOT BLACK LISTED

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

36) WAS A VISIT MADE BY ANY OFFICER / OFFICIAL OF THE  
PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN  
CONNECTION WITH THE PROCUREMENT? IF SO, DETAIL TO BE  
ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:  
(if yes, enclosed a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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37) Were proper safeguards provided on mobilization advance payment in the  
contract (Bank guarantee etc.)?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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38) Special conditions, if any  
(If yes, give brief Description)

Yes	-
No	NO

39) Date of Award of Contract: .D.D.(P)/Accts/2013-14/ 805 dt.24-02-2014

Signature & Official Stamp of  
AUTHORIZED OFFICER  
FOR OFFICE USE ONLY

OFFICE OF THE  
COMMISSIONER  
MUMBAI



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE CHIEF ENGINEER (IP&D)

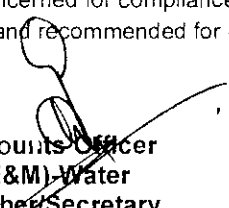
## BID EVALUATION REPORT

1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No. 18049 I.D No. _____/2013
3	Tender Description/Name of Work/Item	REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date (if applicable)	N/A
9	No. of Bid Technically Qualified (if applicable)	N/A
10	Bid (s) rejected	Nil
11	Financial Bid Opening Date	17/12/2013

#	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s. Malik & Co.	Rs. 1,727,524/-	1st Lowest	@ 14.9941% Above	Substantially Responsive	P.O # 8776291 Dt: 17/12/2013 Rs. 55,000/- HBL Main Cantt Br.
2	M/s. Kashif Engg Works	Rs. 1,757,638/-	2nd Lowest	@ 16.9987% Above	Substantially Responsive	P.O # 6726218 Dt: 16/12/2013 Rs.30,550/- UBL Model Colony Br P.O # 7627008 Dt: 16/12/2013 Rs.13,500/- UBL Model Colony Br.
3	M/s. J.J Construction	Rs. 2,073,032/-	3rd Lowest	@ 37.9932% Above	Substantially Responsive	P.O # 6983796 Dt: 16/12/2013 Rs 54,000/- UBL Drigh Road Br.


all concerned bidder are being informed accordingly.

E.E Concerned for compliance of rule 45 of SPPRA 2010 M/s. Malik & Co. declared as the lowest responsive bidder by the committee and recommended for Sanction from Competent Authority.

  
Accounts Officer  
(E&M)-Water  
Member/Secretary

  
Additional Director Internal  
Audit - KMC Member

  
Superintending Engineer (KMC)  
Member

  
Chief Engineer (E&M)-Water  
Member

  
Chief Engineer (IPD),  
(Convener)





# STANDARD BIDDING DOCUMENT

**PROCUREMENT OF WORKS**  
(For Contracts Costing up to Rs.2.5 Million)

(Press Tender)  
( *Sr. No. 3* )

**-: Name of Work :-**

**“REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE  
RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF  
WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI”**

**-: Name of Office :-**

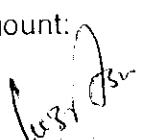
## **DHABEJI (PUMPING) DIVISION**

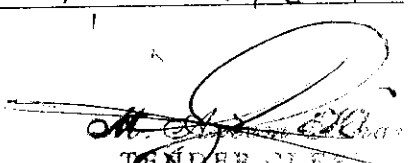
Dhabeji Pumping Station, Tehsil Mirpur Sakro, Dhabeji Town,  
Distt: Thatta

Resident Engineer, Contact # 0333-2249153

## BIDDING DATA

- (a). Name of Procuring Agency: Dhabeji (Pumping) Division, KW&SB
- (b). Brief Description of Work: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI.
- (c). Procuring Agency Address: Dhabeji Pumping Station, Tehsil Mirpur Sakro, Dhabeji Town, Distt: Thatta
- (d). Estimate Cost: On Item rate basis.
- (e). Amount of Bid Security : 02% of Bid amount.
- (f). Period of Bid validity : 90 Days.
- (g). Security Deposit (including Bid Security) : 10%
- (h). Venue, Time and Date of Bid Opening : The Tender in sealed cover superscribed with the name of the work should be dropped in the Tender Box kept in office of the Chief Engineer (IP&D) at Room No.5, Block "E", 9<sup>th</sup> Mile, Karsaz, Karachi on 17.12.2013 at 02.30 PM by Procurement Committee-I, KW&SB.
- (i). Deadline for submission of Bid along with time. : 17.12.2013 at 02:00 PM.
- (j). Time for completion from From written order commence: 15 Days
- (k). Liquidity damage : 0.5% of Bid Cost per day of delay
- (l). Bid issued to Firm : M/s. Malik & Co.
- (m). Deposit Receipt No. & Date: R. No. 24 DT: 16-12-13
- Amount: Rs.1,500/=

  
Resident Engineer

  
TENDER CLERK  
Finance Department  
K. W. & S. B.  
Authority issuing bidding Document.

NAME OF WORK:- REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI.

(B) Description and rate of Items based on Market (Offered rates)

Item No.	Qty.	Description of item to be executed at site	Rate	Unit	Amount in Rupees
1.	01Job	Disconnecting of H.T. Electric connection from Motor Panel i/c heater & Bearing temperature connection from motor.	1500	Job	1500
2.	01Job	Dismantling & Pull out of H.T Motor from Pump basement.	3100	Job	3100
3.	01Job	Removal of Pulley from Pump shaft with the help of Hydraulic puller machine and oxygen acetylene flam as per instruction of E/in-charge	17500	Job	17500
4.	01Job	Removal of Pump casing after dismantling all Nuts from pump casing in half Portion.	6300	Job	6300
5.	01Job	Pull out complete Pump i/c shaft from Pump section 25ft depth as per instruction of E/I.	2500	Job	2500
6.	01Job	Removal of Bearing housing from Pump base / bed from the drive end side with the help of Hydraulic puller machine and oxygen acetylene flam as per instruction of Engineer in-charge.	17000	Job	17000
7.	02 Jobs	Removal of Bearing # 7330 from Bearing housing with the help of Hydraulic puller machine and oxygen acetylene flam as per instruction of Engineer in-charge.	17000	Job	34000
8.	01Job	Removal of Bearing housing from Impeller shaft with the help of Hydraulic pressure machine and oxygen acetylene flam as per instruction of Engineer in-charge.	17000	Job	17000
9.	01Job	Removal of Bearing # 6326 from Bearing housing with the help of Hydraulic pressure machine and oxygen acetylene flam as per instruction of Engineer in-charge.	17000	Job	17000
10.	02 Jobs	Removal of Neck Ring from Impeller with the help of Hydraulic pressure machine and oxygen acetylene flam as per instruction of E/in-charge.	17000	Job	34000
11.	01Job	Removal of Impeller from the pump shaft with the help of heavy duty Hydraulic pressure machine and oxygen acetylene flame with out changing the shape & structure of Impeller & shaft by the highly skilled worker as per instruction of Engineer in-charge.	26000	Job	26000
12.	02 Jobs	Removal of upper & lower S.S Sleeve from the Pump shaft with the help of Hydraulic pressure machine and oxygen acetylene flam as per instruction of Engineer incharge	17000	Job	34000
13.	02 Jobs	Removal of protective Pump casing ring from pump casing with the help of Hydraulic pressure machine and oxygen acetylene flam as per instfuction of E / I	17000	Job	34000

Item No.	Qty.	Description of item to be executed at site	Rate	Unit	Amount in Rupees
14.	02Nos	Local Manufacturing of Pump Casing Protective Ring of KSB pump type RDLV 700-820A from Manganese Bronze by casting from free Air pocket , having composition Copper 58%, Tin 1%, Lead 2%, Iron 1%, Manganese 0.25%, Aluminum 2% and Zinc 37.55% with casting size OD=600mm, ID=475mm, height 110mm, having finished size dia 550mm, ID=495mm, width/depth complete curve side 55mm, making inner dia from Neck Ring side 551mm, depth 40mm i/c making collar at half portion of ring 5mm depth & width at outer dia of ring at center for holding purpose of ring at pump casing i/c fixing the ring on pump casing as per instruction of Engineer in-charge.	187000	Each	374000
15.	02Nos	Local Mfg. of Impeller Protective Ring of KSB Pump type RDLV 700-820A from alloy stainless steel by casting from free Air pocket & Air bubble having composition Stainless Steel 65%, Carbon 5%, Lead 3%, Iron 22%, Cadmium 2%, Cobalt 1%, Silicon 2% with casting size dia outer 560mm, Inner dia 512mm, width=50mm having finished size dia outer 550 mm, inner dia 527mm & depth 40mm i/c fixing on Pump Impeller as per instruction of Engineer in-charge.	61500	Each	123000
16.	01No	Local Mfg. of Pump Shaft Protective Sleeve of Lower KSB Pump type RDLV 700-820A from Stainless steel type AISI 316 (Pharmaceutical food grade) solid shaft having finished size outer dia 165mm & making inner dia 145mm and length 262mm making inside sleeve dia 148mm at a distance from upper & lower side 75mm i/c making key slot 10mm depth, length of slot 45mm, width 9mm as per sample & instruction of Engineer in-charge i/c fixing of Sleeve in Pump shaft by heating & press fit process as per instruction of Engineer incharge.	85000	Each	85000
17.	01No	Local Mfg. of Pump Shaft Protective Sleeve upper for KSB Pump type RDLV 700-820A from Stainless steel type AISI 316 (Pharmaceutical food grade) Solid shaft having finished size Outer dia 165mm & making inner dia 145mm and complete length 515mm and inside Sleeve dia 148mm at a distance from upper & lower side 75mm i/c making key slot at inner side 10mm depth, width of slot 10mm, Length of Slot 45mm i/c fixing of Pump shaft by heating & Press fit process as per sample & instruction of Engineer incharge.	160000	Each	160000
18.	01Job	Repair & Reconditioning of Pump shaft bearing housing & having cover plate by method of welding process having finished size OD=296mm, Inner dia=230mm, depth=45mm i/c buffing polishing complete.	70000	Job	70000

Item No.	Qty.	Description of item to be executed at site	Rate	Unit	Amount in Rupees
19.	06Nos.	Local Mfg. of Nut & Bolts for Shaft coupling from S.S. Solid Shaft having outer dia 1.7" & Length 6" making machining outer dia 25mm & length 120mm, i/c making American thread on its 24mm complete length 120mm i/c making both head hexagonal shape length 25mm each hexagonal shape width 10mm as per sample i/c making nuts with 1.75" dia S.S. Solid shaft length 1" making inside same dia 25mm & making thread inside 24mm complete i/c making hexagonal shape at other dia each side width =10mm & length 25mm as per sample & instruction of Engineer incharge.	7500	Each	45000
20.	10Nos.	Local Mfg. of Nuts & Bolts for Shaft coupling from Stainless steel Solid shaft having outer dia both 38mm & length 115mm i/c making dia bolt 20mm & Length 75mm i/c American Thread and in it 20mm complete length 75mm i/c making hexagonal head at 25mm height each hexagonal head at 10mm i/c making Nut, with same dia solid shaft making hexagonal shape each side width 10mm and length 125mm & making inside American thread 25mm as per sample & instruction of Engineer incharge	5000	Each	50000
21.	02Nos.	Making key of protective sleeve from Stainless steel having finished size height 20mm, width 10mm & length 40mm as per sample.	350	Each	700
22.	01Job	Fixing of the Impeller on re-built Pump shaft with the help of hydraulic press machine & oxygen acetylene flam as per instruction of E/I	26500	Job	26500
23.	01Job	Balancing of Pump shaft dynamically after fixing of Impeller on the Pump shaft as per instruction of Engineer in-charge.	77000	Job	77000
24.	02 Nos.	Local Mfg. and Fixing of spacer ring for Impeller pump shaft from 152mm dia length 25mm after machining finished size OD=140mm, ID=130mm and height 20mm i/c grinding, polishing & fixing at pump shaft near bearing portion.	6000	Each	12000
25.	12 Nos.	Local Mfg. of Shaft coupling stud form high Carbon high tensile solid shaft outer dia 125mm length 88mm i/c machining & making 'V' Shape thread at outer dia 12mm complete length 88mm i/c making nuts from 20mm solid shaft making inner hole 15mm dia & making 'V' Shape at outer dia each side hexagonal 7mm width as per instruction of the Engineer incharge.	400	Each	4800
26.	01No	Providing / Fixing lock spring MB-26 for Bearing No.6326 C-3 Branded SKF as per instruction of E / I.	2850	Each	2850
27.	5 Kgs	Providing / Fixing of 20mm x 20mm each 4 side Teflon Gland packing, high pressure, high temperature resistant (Imported) as per instruction of Engineer in-charge.	2300	Kg	11500

Item No.	Qty.	Description of item to be executed at site	Rate	Unit	Amount in Rupees
28.	01Kg	Providing of USA made DADEX jointing solution at site	1700	Kg	1700
29.	05 Meter	P/F of 0.5mm Kilingrite Fiber sheet made by England having width 1-Meter after cleaning rubbing of old sheet piece from the pump casing surface both pump casing as per instruction of Engineer in-charge.	1200	Meter	6000
30.	100 Lbs	Supply of Cotton Waste bags (White Bleached) 100Lbs.	70	Lb.	7000
31	01 Job	Fixing of complete pump impeller shaft at Lower Pump room and fitting of 48Nos Nuts of pump casing leak proof as per instruction of Engineer in-charge.	9500	Job	9500
32.	01 Job	Fixing of intermediate shaft of 35MGD KSB pump with Impeller shaft by coupling bush with zero alignment as per origin tight fit Nut & bolts.	6700	Job	6700
33.	01 Job	Fixing of Pulley of Pump shaft by the help of hydraulic press machine and oxygen acetylene flam.	19000	Job	19000
34.	01 Job	Local Mfg. & fixing of Chuck Nut / Lock nut with locking washer device of Specific feather to with Stand against dynamic stress on the Pump set during operation with vanadium Pharmaceutical shaft from 178mm dia. length 37mm. finished size OD=170mm, ID=128mm width 35mm having chamfered at one end side 60° at Corner length 10mm i/c making square groove for gripping 06Nos. i/c tempering & hardening as per instruction of E/I.	32500	Job	32500
35.	01No.	Local Mfg. of Rubber lined bearing bush from phosphorus bronze material having OD=240mm, ID=170mm & length 260mm by centrifugal casting free to air bubble / air pocket with finished outer dia 210mm, ID 185mm. length 230mm i/c making collar at one end dia 220mm, width 10mm i/c making step cutting between outer bush dia 208mm. length 120mm i/c making inside bush groove cut for gripping rubber line each distance 20mm, depth 3mm V shape i/c making 2 hole at collar bottom side & thread in hole 10mm & rigid fixing of Butyl Rubber compound lining having resistance temperature. workable to water lubricants & capable to afford & friction by compressed molding process inside the bronze bush having outer dia 185mm, inner dia 160mm, & length 240mm i/c making			

Item No.	Qty.	Description of item to be executed at site	Rate	Unit	Amount in Rupees
		groove square shape at rubber line 10Nos each and equal distance 6mm width , 7mm depth at complete length 240mm for passing water lubricants as per instruction of Engineer in-charge.	138000	Each	138000
36.	01 No	Local Mfg: of Water throat ring of KSB Pump from special phosphorus bronze manganese with centrifugal casting having OD=230mm, ID=147mm, length=46mm i/c making finished size with collar dia from out side 190mm , inner collar dia 152mm, complete overall dia 210mm, ID=162mm, collar thickness 5mm both side, total width 36mm i/c making two slots 5mm width & 5mm depth i/c making 6 holes 13mm dia each & equal distance at thread dia as per instruction of E / I	28500	Each	28500
37.	01 No	Local Mfg: of Gland lantern Neck Ring of KSB Pump from special phosphorus bronze manganese with centrifugal casting having OD=230mm, ID=147mm, width=25mm & making / polishing having OD=210mm, & ID=162mm, width 15mm as per instruction of Engineer in-charge.	13500	Each	13500
38.	01 No	Local Mfg: of Bearing housing ceramic seal , having OD=132mm, ID=116mm, & width upper side =8mm both corner side chamfered at 60° and bottom side outer dia 124mm as per instruction of Engineer in- charge.	16500	Each	16500
39.	02 Nos	Local Mfg: of ceramic seal for shaft sleeve, having OD=151mm, ID=141mm, having seal cross sectional dia 5"as per instruction of Engineer in-charge.	8400	Each	16800
	15Kgs.	i). Providing pure Stainless Steel Nuts & bolts i/c washers 'M' Brand size 15mm to 25mm.	850	Kg.	12750
	10 Kgs.	ii). Providing Lubricant Special Grease LGHP 2/1 High performance Polyurea temp 302°f /150°C, SKF Brand for newly filled grease on Bearings.	1700	Kg.	17000
40.	01Job	Fixing of Motor at Pump base frame after removing the corrosion & ruff surface without disturbing origin surface & making connection of H.T electric cable at motor panel and also connect the bearing temperature, heater temperature connection by removing & finishing carbon all lead terminal from C.T.C i/c coupling the motor pulley & pump pulley with accurate accuracy digital level indicating m/c free to vibration & noise testing.	55000	Job	55000

Item No.	Qty.	Description of item to be executed at site	Rate	Unit	Amount in Rupees
41.	800Sft.	Scraping, Brushing and removing Old Paint from metal surface.	700	%Sft.	5600
(i).					
(ii).		Painting Gurards, Bars, Gates, Iron Bars, Grating railing i/c standard braces etc. and similar open work.			
	800Sft.	1 <sup>st</sup> Cost.	430	%Sft.	3440
	800Sft.	2 <sup>nd</sup> Cost.	348	%Sft.	2784
42.	01 Job	Transportation, loading & un-loading charges at Dhabeji to Karachi different workshop at Karachi and back to Dhabeji Pump House i/c loading & un-loading.	49000	.job	49000

Total:  
Rs. = 17,27,524

*W.S. Khan*  
Resident Engineer

I/We hereby quoted Rs. 1727524 for execution of above work and I/ We hereby undertaking accept all clauses of SPPR-2010 and comply the Rules of KW&SB.

*Asif Ali*  
Signature of Contractor

With name of firm & Seal

Address --- **MALIK & COMPANY**  
Office No. 8, Mezzanine Floor,  
Rafi Mansion Opp: Airport Police  
Station, Shahr-e-Faisal,  
KARACHI.

Contact # ---

1-Tender/Quotation sealed in sealed cover and open by Board of Estimate  
2-No cutting or tampering of any part of the tender or overwriting of any part of the tender  
3-Of course

8776334  
HS  
Malik & Co  
1727524/2  
Sealed in Envelope  
Must be in sealed Envelope  
Four Copy

35000/  
17/12/13

*[Signature]*  
A.O. (Executive)  
(Member Secretary)

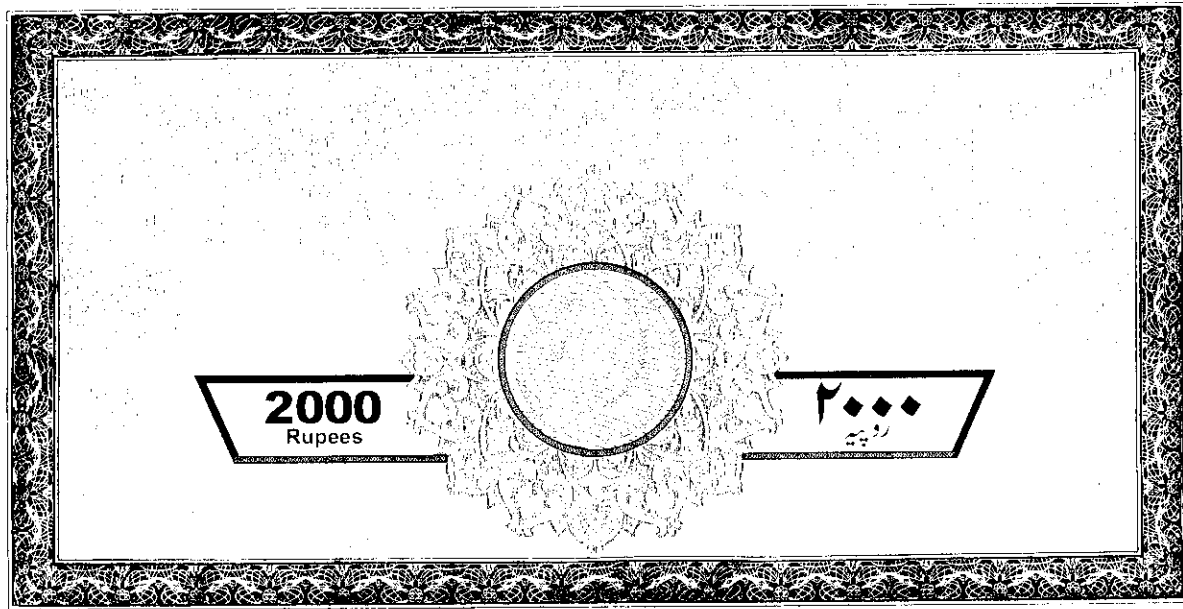
*[Signature]*  
D.E. (Team Leader)  
(Member)

*[Signature]*  
Add. Dir.  
Internal Audit-KMC  
(Member)

*[Signature]*  
S.E. (KMC)  
(Member)

*[Signature]*  
C.E. (P&D)  
(Contractor)



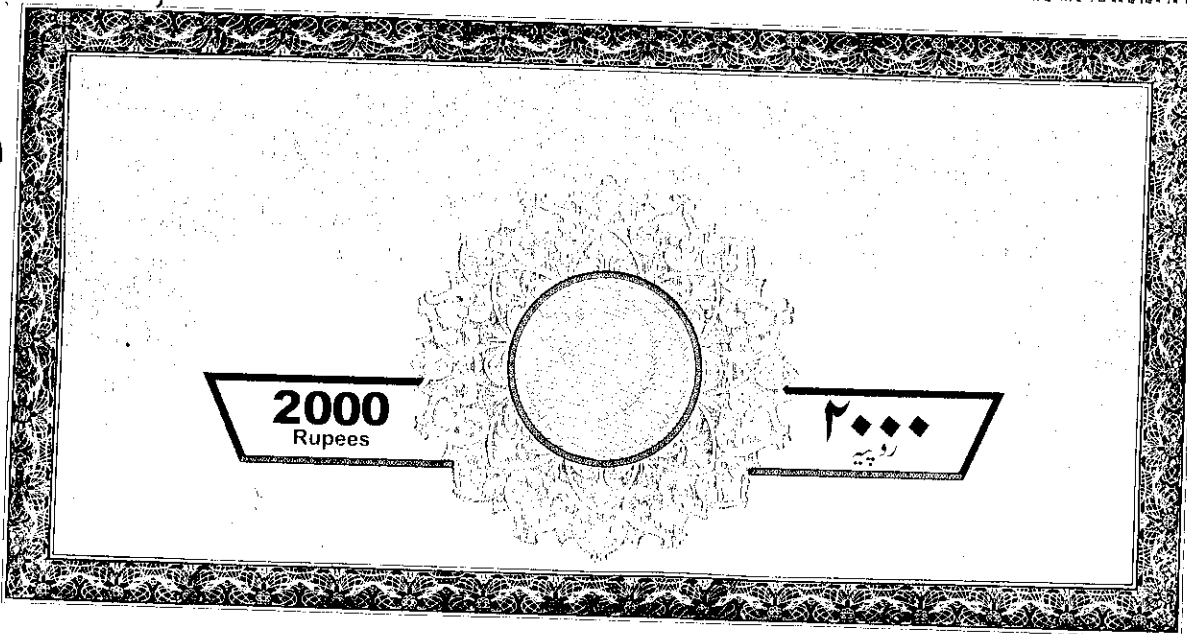


Farookh Sultan-ADP  
 408  
 6 21.11.13  
 80 21.11.13  
 50 21.11.13  
 8  
 21/11/13

**AGREEMENT**  
 Between  
 M/s. Malik & Co.,  
 and  
Karachi Water & Sewerage Board.

This agreement made on this 18th day of February 2014, between Karachi Water & Sewerage Board, Block-B, 9<sup>th</sup> Mile Shakra-e-Faisal, Karsaz, Karachi, through its Chief Engineer (E&M)-Water / S.E. (P&F)-I, KW&SB, hereinafter called the Board (hereinafter called the employer of the one part) and M/s. Malik & Co., Karachi, hereinafter called the Contractor of the other part.

Whereas the KW&SB has accepted the Contractor's Tender here unto Annexed and marked 1/3 dated 17.12.2013 for the work of "REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI". Estimated cost: (On Item rate basis) under SPPR-2010. The total sanctioned amount is Rs.17,27,524/= (Rupees Seven Lac Twenty Seven Thousand Five Hundred Twenty Four



Parsookh Sultan-Asr

408

6 21.11.13

80 21.11.13

6 307 21.11.13

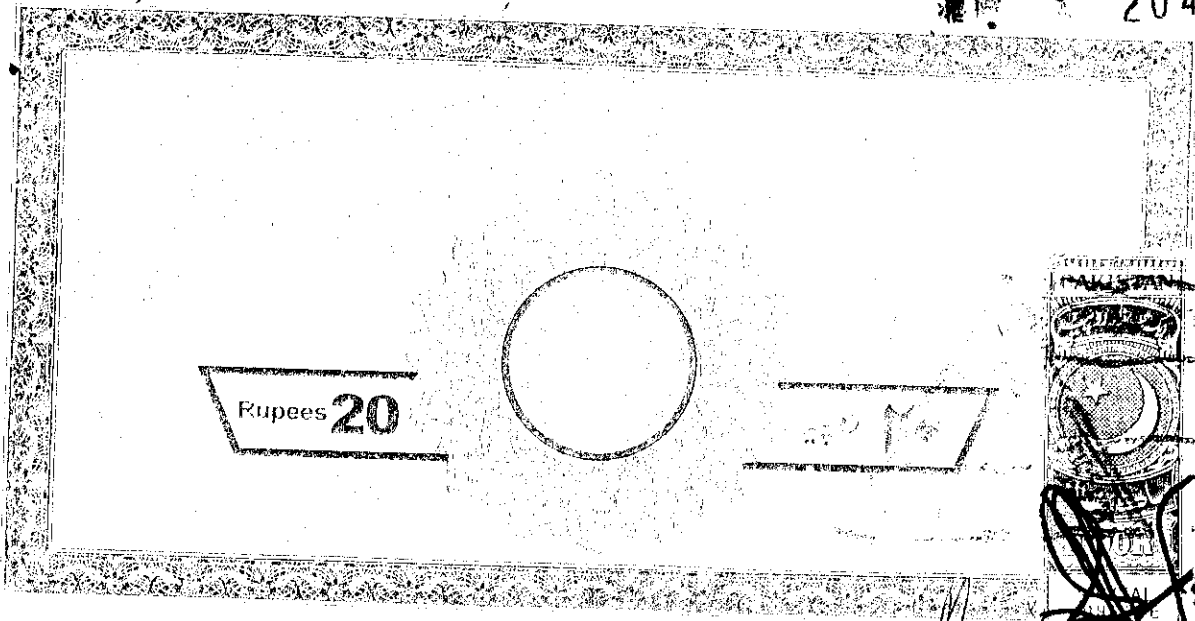
21/11/13

only) as evaluated / recommended by Procurement / Evaluation Committee-I, KW&SB vide Para-45/N and financially concurred by the Finance Department, KW&SB vide Para-49 to 60/N duly approved by the Managing Director, KW&SB vide Para-62/N as per Contractor's quoted amount, the amount put to tender. According to the specifications and general terms and conditions vide Para-7&8 CPWA Code duly signed by the Contractor have made them fully acquainted with its meanings.

WHEREAS 10% Security Deposit (02% Earnest Money on Quoted amount is deposited by Contractor in favour of KW&SB) will be deducted from the Contractor's bill and such amount have given a lien over as security for the due fulfillment of the contract and the Contractor abide all the terms and conditions and aforesaid specification of the tender. Security Deposit deducted to be refunded after three months of satisfactory completion of the work.

The payment to be made by KW&SB to the contractor as per prevailing legal / codal practice

*Asiralis*



FEDERAL BUREAU OF Survey, Metrology &  
 Laboratory No. 128, Street No. 16, Block - 14  
 Kharo Road, D-11, Shaukat Qbal, Karachi  
 S.M.D. 067320  
 Signature: *Zahid Mahmood*  
 Advocate

17 FEB 2014

The Contractor hereby binds themselves their heirs successors / legal representatives and assignee to pay 0.5% of Bid Cost per day of delay to the KW&SB or such smaller amount fixed by the competent authority. The time for completion of this work is within (15) Days.

IN WITNESS WHEREOF the said parties have set their respective hands on this 18<sup>th</sup> day of February, 2014.

*M/s. Malik & Co.*  
 M/s. Malik & Co.,  
 (Contractor)

*W.S. B.*  
 RESIDENT ENGINEER  
 DHABEJI (PUMPING) DIVISION,  
 KW&SB

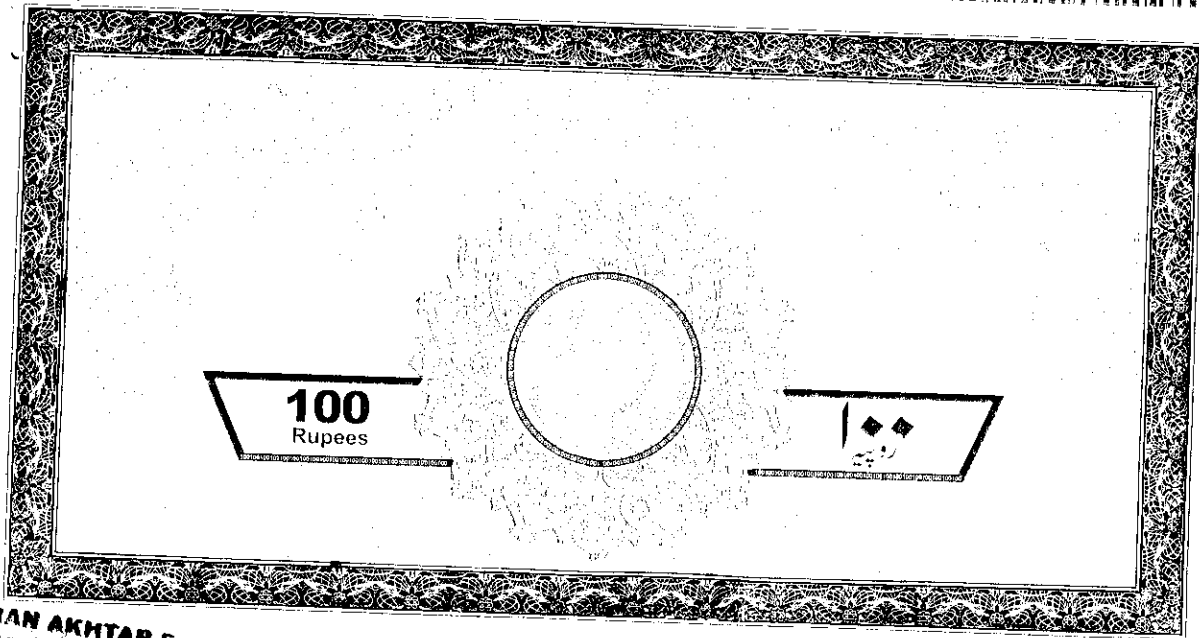
*Kashif*  
 SUPERINTENDING ENGINEER  
 (PUMPING & FILTER)-I,  
 KW&SB

*M.M.*  
 CHIEF ENGINEER (E&M)-WATER  
 K.W.& S.B.

**WITNESSES:**

1. Kashif Engg works 2. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

A734348




**MEHAN AKHTAR S**  
 Licence No. 128, Shop No. 128  
 Plaza Gulshan-e-Iqbal  
 Karachi  
 14 FEB 2014  
 Syed Aftab Ali Shah  
 Advocate

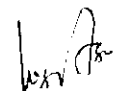
**AGREEMENT**

**Between**

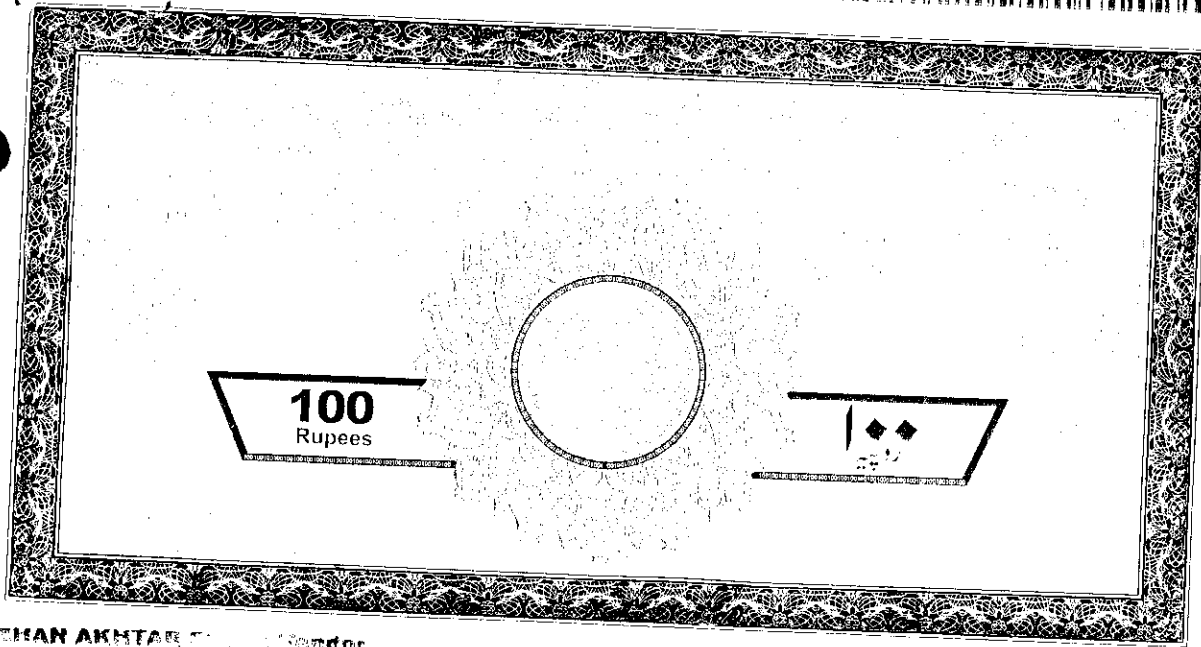
M/s. Malik & Co.,  
 and  
Karachi Water & Sewerage Board.

Name of Work:- REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE  
RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF  
WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI.

  
 M/s. Malik & Co.,  
 (Contractor)

  
 RESIDENT ENGINEER  
 DHABEJI (PUMPING) DIVISION,  
 KW&SB

A734349



SEHAN AKHTAR  
1, Range No. 126, S...  
Marim Plaza, G... Karachi

14 FEB 2014

66403  
INSURED  
TODAY'S VALUE  
APPOSE  
VALUERS

Syed Atif Ali Shah  
Advocate

**AGREEMENT**

Between

M/s. Malik & Co.,  
and  
Karachi Water & Sewerage Board.

Name of Work:- REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE  
RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF  
WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI.

*M. Malik*  
M/s. Malik & Co.,  
(Contractor)

*[Signature]*  
RESIDENT ENGINEER  
DHABEJI (PUMPING) DIVISION,  
KW&SB

**OFFICE OF THE CHIEF ENGINEER (E&M)-W  
KARACHI WATER & SEWERAGE BOARD**

2

No.KW&SB/CE/E&M-W/2014/266  
Dated: 10-02-2014

M/s. Malik & Co.,  
Contractor,  
Karachi.

**LETTER OF ACCEPTANCE / SANCTION LETTER**

**SUBJECT:- LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700-820-A  
& P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3  
PUMP HOUSE DHABEJI**

On behalf of the employers, it is notified that following the approval of the Managing Director, KW&SB vide Para-37/N, your bid for the subjected work is hereby accepted for the sum of Rs.24,98,800/= (Rupees Twenty Four Lac Ninety Eight Thousand Eight Hundred only) as worked out / evaluated by Procurement / Evaluation Committee-I vide Para-47/N and financially concurred by Finance Department, KW&SB vide Para-51 to 62/N duly approved by M.D., KW&SB vide Para-65/N. The expenditure is chargeable to B.G. No.6123-27 for the financial year 2013-2014.

There is now binding contract between KW&SB and M/s. Malik & Co.

In accordance with the existing practice in vogue in KW&SB, you are required to enter in to and execute a Contract agreement. This agreement shall be signed by the employer and M/s. Malik & Co.


Provide with the 02% @ Rs.24,98,800/= of above cost as performance security in accordance with existing clause of SPPR Rules-2010 in shape of Bank Guarantee / Pay order or Bank Draft from any scheduled Bank of Pakistan.

You are therefore, directed to contact Resident Engineer, Dhabeji (Pumping) Division Office for execution of Agreement, the value of Stamp paper will be Rs.7,500/= @ 0.30% of sanctioned cost which should be produced by you.

All correspondence onward shall be carried out through Superintending Engineer (P&F)-1, KW&SB.

In case of failure, the Letter of Acceptance / Sanction Letter shall be stand cancelled.



  
( Noor Muhammad Chohan )  
Chief Engineer (E&M)-W  
K. W. & S. B.

Copy to:-

1. The D.C.E. (E&M)-W, KW&SB.
2. The S.E.(P&F)-1, KW&SB. With directives to abide all codal formalities under Rules SPPR-2010 before submission of Bill. Original work file of the above subjected work is enclosed herewith.
3. The Director Accounts, KW&SB.
4. The A.D. (LFA), KW&SB.
5. Office copy.

M/S. Malik & Co.  
Contractor,  
Karachi.

Sub: - **WORK ORDER FOR THE WORK LOCAL MANUFACTURING OF PUMP SHAFT  
TYPE RDLV-700-820A, & P/F OF BEARING NO.7330 & 6326 C-3 FOR PUMP SET  
NO.4. OF K-3 PUMP HOUSE DHABEJI.**

Your tender dated:- 17-12-2013 for Rs.24,98,800/= worked out / evaluated by the procurement evaluation committee - I , has been approved by the Managing Director Karachi Water & Sewerage Board under SPPRA- 2010.

The finance department has already been concurred and booked amounting to Rs. 24,98,800/=

You are requested to please start the work and the date of commencement may be reckoned with effect from 24-02-2014

The work is to be completed with in (15) days positively.

It is also mentioned here that the work is to be carried out as per specification instructions of the Engineer In charge.

RESIDENT ENGINEER  
DHABEJI DIVISION (PUMPING)  
KW&SB

Copy to

1. The Chief Engineer (E&M) KW&SB Karachi.
2. The Superintending Engineer (P & F-1) KW&SB Dhabeji.
3. The Assistant Director (Audit) KW&SB Karachi.
4. The Assistant Executive Engineer concerned Dhabeji.
5. The spare copy for bill.

RESIDENT ENGINEER  
DHABEJI DIVISION (PUMPING)  
KW&SB



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE CHIEF ENGINEER (IP&D)

## BID EVALUATION REPORT

1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No.18049 I.D No. /2013
3	Tender Description/Name of Work/Item	LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700- 820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date (if applicable)	N/A
9	No. of Bid Technically Qualified (if applicable)	N/A
10	Bid (s) rejected	Nil
11	Financial Bid Opening Date	17/12/2013
12	Bid Evaluation Report	

#	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s Malik & Co.	Rs. 2,498,800/-	1st Lowest	✓ @ 0.0527% Above	Substantially Responsive	P.O # 8776269 Dt: 16/12/2013 Rs. 50,000/- HBL Malir Cantt Br.
2	M/s Kashif Engg Works	Rs. 2,573,764/-	2nd Lowest	@ 3.0543% Above	Substantially Responsive	P.O # 6726336 Dt: 16/12/2013 Rs. 51,320/- UBL Model Colony Br P.O # 7627276 Dt: 16/12/2013 Rs. 500/- UBL Model Colony Br.
3	M/s. J.J Construction	Rs. 2,623,740/-	3rd Lowest	@ 5.0554% Above	Substantially Responsive	✓ P.O # 6983798 Dt: 16/12/2013 Rs. 53,000/- UBL Drigh Road Br.

The all concerned bidder are being informed accordingly.

The E.E Concerned for compliance of rule 45 of SPPRA 2010 M/s. Malik & Co. declared as the lowest responsive bidder by the committee and recommended for Sanction from Competent Authority.

Accounts Officer  
(E&M)-Water  
Member/Secretary

Additional Director Internal  
Audit - KMC Member

Superintending Engineer (KMC)  
Member

Chief Engineer (E&M)-Water  
Member

Chief Engineer (IPD)  
(Convener)



**SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY**  
**CONTRACT EVALUATION FORM**  
**TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF**  
**WORKS, SERVICES & GOODS WORTH 50 MILLION (PKR) OR ABOVE**

- |   |  |
|---|--|
| 1) NAME OF THE ORGANIZATION / DEPTT:  | Karachi Water & Sewerage Board   |
| 2) PROVINCIAL / LOCAL GOVT. / OTHER   | Local Govt Dep't   |
| 3) TITLE OF CONTRACT  | Local mfg Pump shaft Set NO.4.   |
| 4) TENDER NUMBER  | Website.18049  |
| 5) BRIEF DESCRIPTION OF CONTRACT  | Local Mfg of Pump Shaft Set NO.4.<br>of K-3 Pump House Dhabeji.        |
| 6) FORUM THAT APPROVED THE SCHEME   | M.D, KW&SB   |
| 7) TENDER ESTIMATED VALUE   | Rs.25,32,482/=   |
| 8) ENGINEER'S ESTIMATE<br>(FOR CIVIL WORKS ONLY)  | -  |
| 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT)  | 90 days  |
| 10) TENDER OPENED ON (DATE & TIME)  | 17-12-2013 at 2:00 P.M   |
| 11) NUMBER OF TENDER DOCUMENTS SOLD<br>(ATTACH LIST OF BUYERS)  | Three  |
| 12) NUMBER OF BIDS RECEIVED   | Three  |
| 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS  | Three  |
| 14) BID EVALUATION REPORT<br>(ENCLOSE A COPY)   | Enclosed   |
| 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER   | M/S. Malik & Co  |
| 16) CONTRACT AWARD PRICE  | Rs.24,98,800/=   |
| 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT<br>(I.E 1 <sup>ST</sup> , 2 <sup>ND</sup> , 3 <sup>RD</sup> EVALUATION BID) | (1) M/S Malik & Co<br>(2) M/S.Kashif Eggs Works<br>(3) M/S.J.J Const.. |
| 18) METHOD OF PROCUREMENT USED :- (TICK ONE)  |  |
| a) SINGLE STAGE-ONE ENVELOPE PROCEDURE _____  | <input type="checkbox"/> Domestic                                      |
| b) SINGLE STAGE-TWO ENVELOPE PROCEDURE _____  | <input type="checkbox"/> -   |
| c) TWO STAGE BIDDING PROCEDURE _____  | <input type="checkbox"/> -   |
| d) TWO STAGE - TWO ENVELOPE BIDDING PROCEDURE _____   | <input type="checkbox"/> -   |

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED I.E EMERGENCY, DIRECT CONTRACTING / NEGOTIATION ETC. WITH BRIEF REASONS:

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT \_\_\_\_\_ M.D, KW&SB.

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes  No

21) ADVERTISEMENT

i) SPPRA website  
(If yes, give date and SPPRA Identification No.)

Yes	SPPRA NO.18049 ID NO. _____/2013
No	

ii) News Papers  
(If yes, give names of newspapers and dates)

Yes	The Nation, Jahan Pak, Sindh Affier dt.22-11-2013
No	

22) NATURE OF CONTRACT

Local  Int.

23) WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes  No

24) WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes  No

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?  
N/A

Yes  No

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes  No

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of consultancies)

Yes  No

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes  No

29) Whether names of the bidders and their quoted prices were read out at the time of opening of bids?

Yes  No

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?  
(Attach copy of the bid evaluation report)

Yes  No

31) ANY COMPLAINTS RECEIVED  
(If yes, result thereof)

Yes	-
No	NO

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER  
NOTICE / DOCUMENTS  
(If yes, give reasons)

Yes	-
No	NO

33) WAS THE EXTENSION MADE IN RESPONSE TIME?  
(if yes, give reasons)

Yes	-
No	NO

34) DEVIATION FROM QUALIFICATION CRITERIA  
(If yes give reasons)

Yes	-
No	NO

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE  
SELECTED FIRM IS NOT BLACK LISTED

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

36) WAS A VISIT MADE BY ANY OFFICER / OFFICIAL OF THE  
PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN  
CONNECTION WITH THE PROCUREMENT? IT SO, DETAIL TO BE  
ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:  
(if yes, enclosed a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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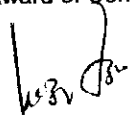
37) Were proper safeguards provided on mobilization advance payment in the  
contract (Bank guarantee etc.)?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
-----	--------------------------	----	-------------------------------------

38) Special conditions, if any  
(If yes, give brief Description)

Yes	-
No	NO

39) Date of Award of Contract: .D.D.(P)/Accts/2013-14/ 806 dt.24-02-2014

  
Signature & Official Stamp of  
AUTHORIZED OFFICER  
FOR OFFICE USE ONLY

Signature & Official Stamp of  
AUTHORIZED OFFICER  
FOR OFFICE USE ONLY



# STANDARD BIDDING DOCUMENT

PROCUREMENT OF WORKS  
(For Contracts Costing up to Rs.2.5 Million)

(Press Tender)  
( Sr. No. 1 )

**-: Name of Work :-**

**“LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-  
700-820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR  
PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI”**

**-: Name of Office :-**

## DHABEJI (PUMPING) DIVISION

Dhabeji Pumping Station, Tehsil Mirpur Sakro, Dhabeji Town,  
Distt: Thatta

Resident Engineer, Contact # 0333-2249153

## BIDDING DATA

- (a). Name of Procuring Agency: Dhabeji (Pumping) Division, KW&SB
- (b). Brief Description of Work: LOCAL MANUFACTURING OF PUMP SHAFT  
TYPE RDLV-700-820-A & P/F OF BEARING  
NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF  
K-3 PUMP HOUSE, DHABEJI.
- (c). Procuring Agency Address: Dhabeji Pumping Station, Tehsil Mirpur Sakro,  
Dhabeji Town, Distt: Thatta
- (d). Estimate Cost: On Item rate basis.
- (e). Amount of Bid Security : 02% of Bid amount.
- (f). Period of Bid validity : 90 Days.
- (g). Security Deposit  
(including Bid Security) : 10%
- (h). Venue, Time and Date of  
Bid Opening : The Tender in sealed cover superscribed with  
the name of the work should be dropped in the  
Tender Box kept in office of the Chief Engineer  
(IP&D) at Room No.5, Block "E", 9<sup>th</sup> Mile,  
Karsaz, Karachi on 17.12.2013 at 02.30 PM by  
Procurement Committee-I, KW&SB.
- (i). Deadline for submission of  
Bid along with time. : 17.12.2013 at 02:00 PM.
- (j). Time for completion from  
From written order commence: 15 Days
- (k). Liquidity damage : 0.5% of Bid Cost per day of delay
- (l). Bid issued to Firm : M/s. *Malik & Co.*
- (m). Deposit Receipt No. & Date: R. No. 22, DT: 16-12-2013.
- Amount: Rs.2,500/=

*W3V/DA*  
Resident Engineer

*M. Aslam Khan*  
TENDER CLERK  
Finance Department  
Authority issuing Bidding Document.

NAME OF WORK:- LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700-820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI.

(B) Description and rate of Items based on Market (Offered rates)

Item No.	Qty.	Description of item to be executed at site	Rate	Unit	Amount in Rupees
1.	02Nos.	Providing Bearing No.7330 BCBM, SKF Brand for KSB Pump type RDLV 700-820A with following scope of work:-	270000	Each	540000
(a).	01Job	Vibration Analysis Service Fee.	70000	Job	70000
(b).	01Job	Dynamic Balancing service Fee (with Intermediate shaft).	167500	Job	167500
(c).	01Job	Service fee for Laser alignment / checking.	96000	Job	96000
(d).	02Jobs	Service fee for Bearing Mounting & dis-mounting.	83000	Job	166000
(e).	01Job	Up & Down of SKF certified Engineer (02 Days)	35500	Job	35500
(f).	01Job	Weight / Shim / Lubricants of SKF Charges.	29000	Job	29000
2.	01No.	Providing Bearing No.6326 C-3 SKF Brand of Pump Shaft	115000	Each	115000
(a).	01Job	Vibration analysis Service Fee.	43800	Job	43800
(b).	01Job	Dynamic Balancing service Fee.	65000	Job	65000
(c).	01Job	Service fee for Laser alignment / checking.	65000	Job	65000
(d).	01Job	Service fee for Bearing mounting & dis-mounting.	36000	Job	36000
(e).	01Job	Weight / Shims / Lubricants of SKF Charges.	15000	Job	15000
3.	01No.	Local Mfg. of KSB Pump shaft from Stainless steel Solid shaft food grade SAE-316, from 191mm dia length 2210mm & machining at bottom of the shaft dia 145mm length 260mm i/c making of impeller staying dia 180mm and length 270mm, machining at impeller portion dia 150mm & length 370mm, machining at upper of impeller portion dia 145mm & length 670mm, making thread for lock sleeve 140mm & length 225mm making step dia 127mm & length 45mm i/c making coupling portion dia 120mm & length 278mm, making outer cut for grip the coupling 15mm width & depth of groove 5mm making key slot 8mm length of Slot 50mm & making Key Slot for Impeller grip, length 145mm width of slot 36mm and depth of slot 12mm & making overall lower end shaft key slot, depth 10mm, width of slot 6mm, length of slot 50mm as per instruction of Engineer incharge.	850000	Each	850000

Item No.	Qty.	Description of item to be executed at site	Rate	Amount in Rupees
4	01 No.	Local Mfg. of Gland of Pump from casting of phosphorus bronze having casting size OD=354mm. Collar dia 305mm, width 45mm total length 250mm having finished size Gland shape 305mm Gland plate width 30mm, collar dia finished size 178mm, width 35mm i/c making hole at centre of Gland 138mm throughout length 65mm i/c making 02Nos. hole 20mm of each of corner away 25mm & making thread 20mm as per instruction Engineer incharge.	205000	Each 205000

Total R. = **24,98,800/-**

*W.S.V.S.*

Resident Engineer

I/We hereby quoted Rs. **24,98,800** for execution of above work and I/ We hereby undertaking accept all clauses of SPPR-2010 and comply the Rules of KW&SB.

Signature of Contractor  
 With name of firm & Seal  
 Address **MALIK & COMPANY**  
 Office No. 8, Mazzam  
 Rafi Mansion Opp: Air  
 Station, Shahrak-e-Far...  
 KARACHI.  
 Contact #

1- Tender, Bill of Materials and open...  
 2- No...  
 277 (2) 69  
 HBC  
 50000/-  
 10/12/13  
 Malik & Co.  
 24,98,800/-  
 (Rupees) 24,98,800/-  
 Masrur Qureshi

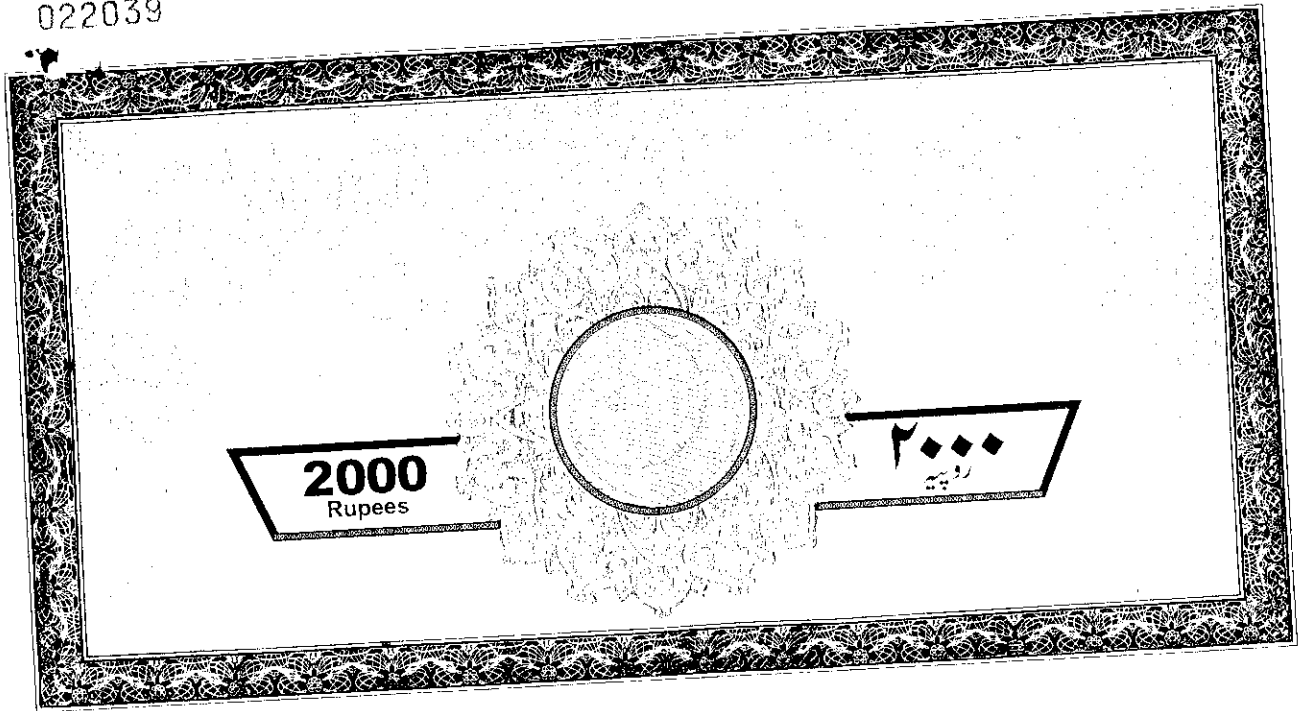
*[Signature]*  
 A.O. (East) Water  
 (Member/Secretary)

*[Signature]*  
 C.E. (East) Water  
 (Member)

*[Signature]*  
 A.O. (West) Water  
 (Member)

*[Signature]*  
 S.E. (KMC)  
 (Member)

*[Signature]*  
 C.E. (West)  
 (Convenor)



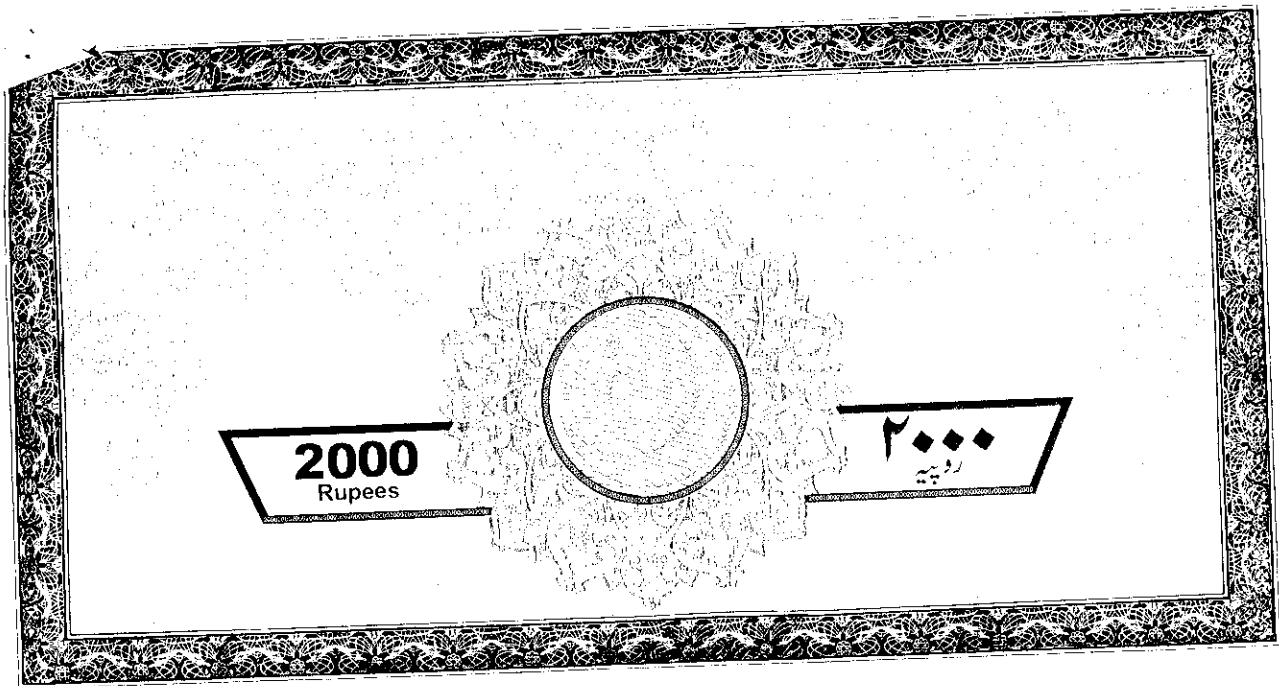
KARACHI WATER & SEWERAGE BOARD  
 PAKKUKH SWAN-ADP  
 408  
 6 21.11.13  
 80 21.11.13  
 6 21.11.13  
 E. No.

21/11/13 **AGREEMENT**  
 Between  
 M/s. Malik & Co.,  
 and  
Karachi Water & Sewerage Board.

This agreement made on this 18<sup>th</sup> day of February 2014, between Karachi Water & Sewerage Board, Block-B, 9<sup>th</sup> Mile Shakra-e-Faisal, Karsaz, Karachi, through its Chief Engineer (E&M)-Water / S.E. (P&F)-I, KW&SB, hereinafter called the Board (hereinafter called the employer of the one part) and M/s. Malik & Co., Karachi, hereinafter called the Contractor of the other part.

Whereas the KW&SB has accepted the Contractor's Tender here unto Annexed and marked 1/3 dated 17.12.2013 for the work of "LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700-820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI". Estimated cost: (On Item rate basis) under SPPR-2010. The total sanctioned amount is Rs.24,98,800/= (Rupees Twenty Four Lac Ninety Eight Thousand Eight Hundred only) as evaluated





Perkoush Sultan-ADP

408

6 21.11.17

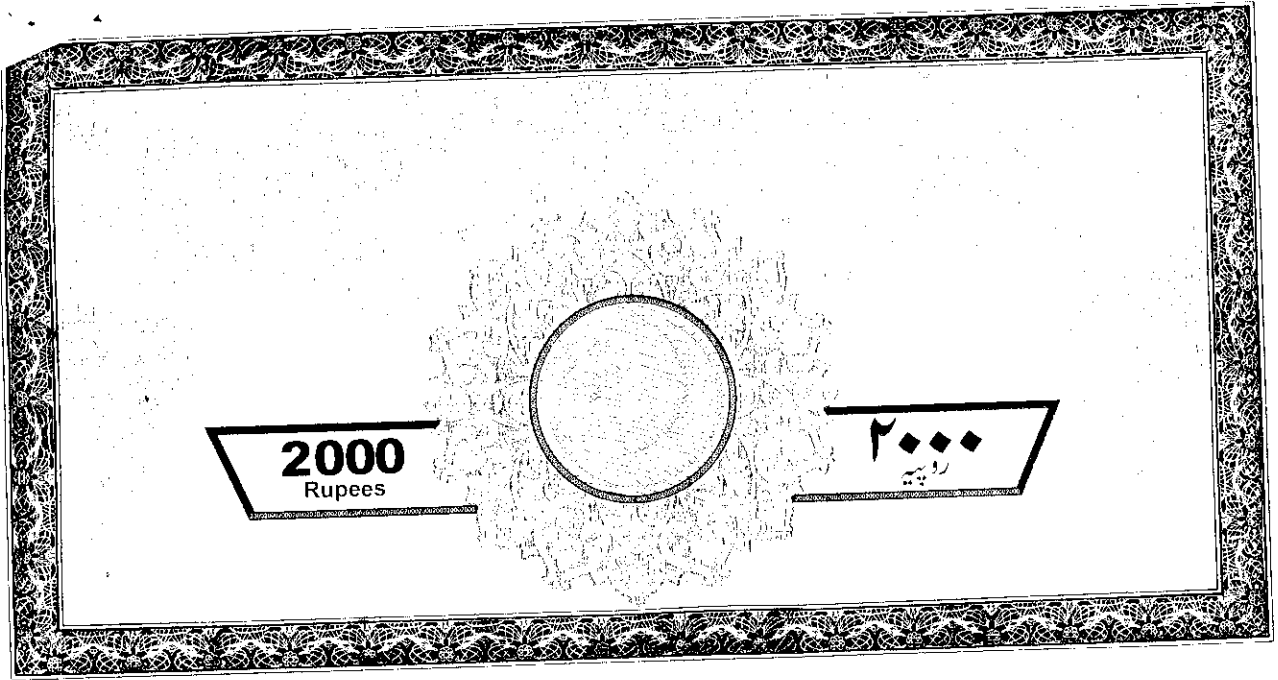
DO 21.11.17

B SD 21.11.17

/ recommended by Procurement / Evaluation Committee-1, KW&SB vide Para-47/N and financially concurred by the Finance Department, KW&SB vide Para-51 to 62/N duly approved by the Managing Director, KW&SB vide Para-65/N as per Contractor's quoted amount, the amount put to tender. According to the specifications and general terms and conditions vide Para-7&8 CPWA Code duly signed by the Contractor have made them fully acquainted with its meanings.

WHEREAS 10% Security Deposit (02% Earnest Money on Quoted amount is deposited by Contractor in favour of KW&SB) will be deducted from the Contractor's bill and such amount have given a lien over as security for the due fulfillment of the contract and the Contractor abide all the terms and conditions and aforesaid specification of the tender. Security Deposit deducted to be refunded after three months of satisfactory completion of the work.


The payment to be made by KW&SB to the contractor as per prevailing legal / codal practice

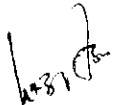



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 20 21.11.13  
 6 SD 21.11.13


The Contractor <sup>By Official Hand</sup> hereby bind themselves their heirs successors / legal representatives and assignee to pay 0.5% of Bid Cost per day of delay to the KW&SB or such smaller amount fixed by the competent authority. The time for completion of this work is within (15) Days.

IN WITNESS WHEREOF the said parties have set their respective hands on this 18<sup>th</sup> day of February, 2014.

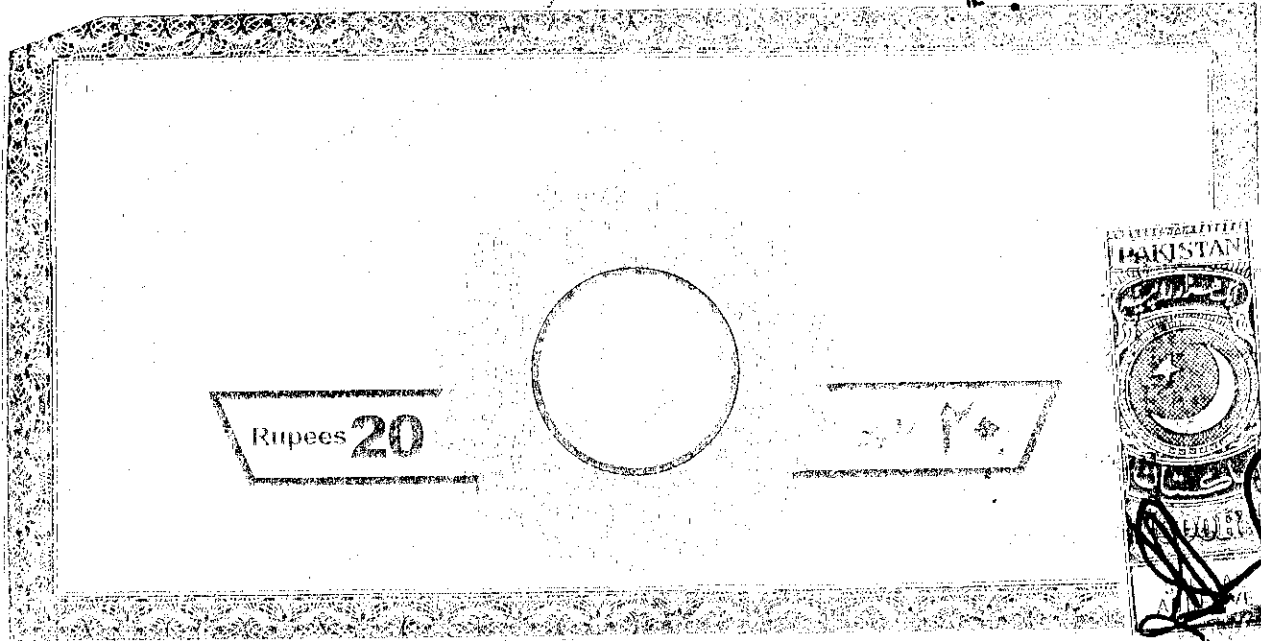
  
 M/s. Malik & Co.,  
 (Contractor)

  
 RESIDENT ENGINEER  
 DHABEJI (PUMPING) DIVISION,  
 KW&SB

  
 SUPERINTENDING ENGINEER  
 (PUMPING & FILTER)-I,  
 KW&SB

  
 CHIEF ENGINEER (E&M)-WATER  
 K.W. & S.B.

**WITNESSES:**  
 1. Kadhi F Engg works 2. \_\_\_\_\_  
P. P. Ali \_\_\_\_\_



STAMPED BY THE CHIEF CLERK, KARACHI  
COMMERCIAL BANK, BRANCH NO. 16, SITE - 10,  
P.O. DHAIBELI, DISTRICT KARACHI,  
S.N.O. 067322

STAMPED BY THE CHIEF CLERK, KARACHI  
COMMERCIAL BANK, BRANCH NO. 16, SITE - 10,  
P.O. DHAIBELI, DISTRICT KARACHI,  
S.N.O. 067322  
NAME OF OFFICER'S SIGNATURE


## AGREEMENT

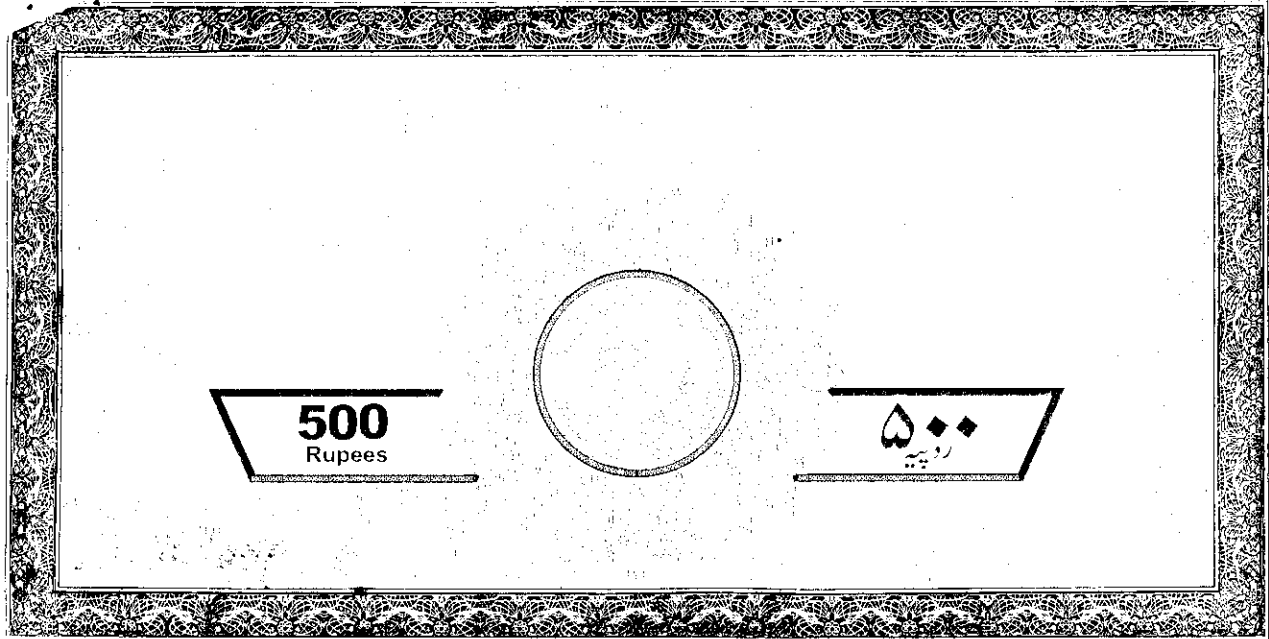
Between

M/s. Malik & Co.,  
and  
Karachi Water & Sewerage Board.

Name of Work:- LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700-820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI.

  
M/s. Malik & Co.,  
(Contractor)

  
RESIDENT ENGINEER  
DHABEJI (PUMPING) DIVISION,  
KW&SB



043298

20 NOV 2013

*[Signature]*  
Advocate

**AGREEMENT**

**Between**

M/s. Malik & Co.,  
and  
Karachi Water & Sewerage Board.

Name of Work:- LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700-820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI.

*[Signature]*  
M/s. Malik & Co.,  
(Contractor)

*[Signature]*  
RESIDENT ENGINEER  
DHABEJI (PUMPING) DIVISION,  
KW&SB

①

**OFFICE OF THE CHIEF ENGINEER (E&M)-W**  
**KARACHI WATER & SEWERAGE BOARD**

No. KW&SB/CE/E&M-W/2014/267  
Dated: 18-02-2014

M/s Malik & Co.,  
Contractor,  
Karachi.

**LETTER OF ACCEPTANCE / SANCTION LETTER**

**SUBJECT:- REPAIR / REBUILDING & CORROSION PROTECTIVE COATING OF**  
**DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET**  
**"A" AT K-2 PUMP HOUSE DHABEJI**

On behalf of the employers, it is notified that following the approval of the Managing Director, KW&SB vide Para-37/N, your bid for the subjected work is hereby accepted for the sum of Rs.24,98,000/= (Rupees Twenty Four Lac Ninety Eight Thousand only) as worked out / evaluated by Procurement / Evaluation Committee-I vide Para-46/N and financially concurred by Finance Department, KW&SB vide Para-50 to 61/N duly approved by M.D., KW&SB vide Para-63/N. The expenditure is chargeable to B.G. No.6024-16 for the financial year 2013-2014.

There is now binding contract between KW&SB and M/s Malik & Co.

In accordance with the existing practice in vogue in KW&SB, you are required to enter in to and execute a Contract agreement. This agreement shall be signed by the employer and M/s. Malik & Co.

Provide with the 02% @ Rs.24,98,000/= of above cost as performance security in accordance with existing clause of SPPR Rules-2010 in shape of Bank Guarantee / Pay order or Bank Draft from any scheduled Bank of Pakistan.

You are therefore, directed to contact Resident Engineer, Dhabeji (Pumping) Division Office for execution of Agreement, the value of Stamp paper will be Rs.7,500/= @ 0.30% of sanctioned cost which should be produced by you.

All correspondence onward shall be carried out through Superintending Engineer (P&F)-1, KW&SB.

In case of failure, the Letter of Acceptance / Sanction Letter shall be stand cancelled.



( Noor Muhammad Chohan )  
Chief Engineer (E&M)-W  
K. W. & S. B.

Copy to:-

1. The D.C.E. (E&M)-W, KW&SB.
2. The S.E.(P&F)-1, KW&SB. With directives to abide all codal formalities under Rules SPPR-2010 before submission of Bill. Original work file of the above subjected work is enclosed herewith.
3. The Director Accounts, KW&SB.
4. The A.D. (LFA), KW&SB.
5. Office copy.

**OFFICE OF THE RESIDENT ENGINEER DHABEJI DIVISION (P)KW&SB.**

NO:-Dhabeji/Division (P)/Accts/2013-14/ 807

Dhabeji the 24<sup>th</sup> February,2014

M/S. Malik & Co.  
Contractor,  
Karachi.

Sub: - **WORK ORDER FOR THE WORK REPAIR / REBUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE DHABEJI.**

Your tender dated:- 17-12-2013 for Rs.24,98,000/= worked out / evaluated by the procurement evaluation committee – 1 , has been approved by the Managing Director Karachi Water & Sewerage Board under SPPRA- 2010.

The finance department has already been concurred and booked amounting to Rs. 24,98,000/=

You are requested to please start the work and the date of commencement may be reckoned with effect from 24-02-2014

The work is to be completed with in (15) days positively.

It is also mentioned here that the work is to be carried out as per specification instructions of the Engineer In charge.

RESIDENT ENGINEER  
DHABEJI DIVISION (PUMPING)  
KW&SB

Copy to

1. The Chief Engineer (E&M) KW&SB Karachi.
2. The Superintending Engineer (P & F-1) KW&SB Dhabeji.
3. The Assistant Director (Audit) KW&SB Karachi.
4. The Assistant Executive Engineer concerned Dhabeji.
5. The spare copy for bill.

RESIDENT ENGINEER  
DHABEJI DIVISION (PUMPING)  
KW&SB

**SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY**  
**CONTRACT EVALUATION FORM**  
**TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF**  
**WORKS, SERVICES & GOODS WORTH 50 MILLION (PKR) OR ABOVE**

- |     |   |  |
|-----|---|--|
| 1)  | NAME OF THE ORGANIZATION / DEPTT:   | Karachi Water & Sewerage Board   |
| 2)  | PROVINCIAL / LOCAL GOVT. / OTHER  | Local Govt Dep't   |
| 3)  | TITLE OF CONTRACT   | R/Rebuilding Pump Set "A"  |
| 4)  | TENDER NUMBER   | Website.18049  |
| 5)  | BRIEF DESCRIPTION OF CONTRACT   | R/Rebuilding & Corrosion Protective Coating Pump Set "A" at K-2          |
| 6)  | FORUM THAT APPROVED THE SCHEME  | M.D, KW&SB   |
| 7)  | TENDER ESTIMATED VALUE  | Rs.23,24,000/=   |
| 8)  | ENGINEER'S ESTIMATE<br>(FOR CIVIL WORKS ONLY)   | -  |
| 9)  | ESTIMATED COMPLETION PERIOD (AS PER CONTRACT)   | 90 days  |
| 10) | TENDER OPENED ON (DATE & TIME)  | 17-12-2013 at 2:00 P.M   |
| 11) | NUMBER OF TENDER DOCUMENTS SOLD<br>(ATTACH LIST OF BUYERS)  | Three  |
| 12) | NUMBER OF BIDS RECEIVED   | Three  |
| 13) | NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS  | Three  |
| 14) | BID EVALUATION REPORT<br>(ENCLOSE A COPY)   | Enclosed   |
| 15) | NAME AND ADDRESS OF THE SUCCESSFUL BIDDER   | M/S. Malik & Co  |
| 16) | CONTRACT AWARD PRICE  | Rs.24,98,000/=   |
| 17) | RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT<br>(I.E 1 <sup>ST</sup> , 2 <sup>ND</sup> , 3 <sup>RD</sup> EVALUATION BID) | (1) M/S Malik & Co<br>(2) M/S.J.J Const.<br>(3) M/S. Kashif Eggs Works.. |
| 18) | METHOD OF PROCUREMENT USED :- (TICK ONE)  |  |
| a)  | SINGLE STAGE-ONE ENVELOPE PROCEDURE _____   | <input type="checkbox"/> Domestic  |
| b)  | SINGLE STAGE-TWO ENVELOPE PROCEDURE _____   | <input type="checkbox"/> -   |
| c)  | TWO STAGE BIDDING PROCEDURE _____   | <input type="checkbox"/> -   |
| d)  | TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE _____  | <input type="checkbox"/> -   |

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED I.E EMERGENCY, DIRECT CONTRACTING / NEGOTIATION ETC. WITH BRIEF REASONS:

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT \_\_\_\_\_ M.D, KW&SB.

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes	√	No	
-----	---	----	--

21) ADVERTISEMENT

i) SPPRA website  
(If yes, give date and SPPRA Identification No.)

Yes	SPPRA NO.18049 ID NO. _____/2013
No	

ii) News Papers  
(If yes, give names of newspapers and dates)

Yes	The Nation, Jahan Pak, Sindh Affier dt.22-11-2013
No	

22) NATURE OF CONTRACT

Local	√	Int.	
-------	---	------	--

23) WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes	√	No	
-----	---	----	--

24) WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes	√	No	
-----	---	----	--

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?  
N/A

Yes		No	√
-----	--	----	---

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	√	No	
-----	---	----	--

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of consultancies)

Yes	√	No	
-----	---	----	--

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?

Yes	√	No	
-----	---	----	--

29) Whether names of the bidders and their quoted prices were read out at the time of opening of bids?

Yes	√	No	
-----	---	----	--

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?  
(Attach copy of the bid evaluation report)

Yes	√	No	
-----	---	----	--



31) ANY COMPLAINTS RECEIVED  
(If yes, result thereof)

Yes	-
No	NO

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER  
NOTICE / DOCUMENTS  
(If yes, give reasons)

Yes	-
No	NO

33) WAS THE EXTENSION MADE IN RESPONSE TIME?  
(if yes, give reasons)

Yes	-
No	NO

34) DEVIATION FROM QUALIFICATION CRITERIA  
(If yes give reasons)

Yes	-
No	NO

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE  
SELECTED FIRM IS NOT BLACK LISTED

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

36) WAS A VISIT MADE BY ANY OFFICER / OFFICIAL OF THE  
PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN  
CONNECTION WITH THE PROCUREMENT? IF SO, DETAIL TO BE  
ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:  
(if yes, enclosed a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
-----	--------------------------	----	-------------------------------------

37) Were proper safeguards provided on mobilization advance payment in the  
contract (Bank guarantee etc.)?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
-----	--------------------------	----	-------------------------------------

38) Special conditions, if any  
(If yes, give brief Description)

Yes	-
No	NO

39) Date of Award of Contract: .D.D.(P)/Accts/2013-14/ 807 dt.24-02-2014

  
Signature & Official Stamp of  
AUTHORIZED OFFICER  
FOR OFFICE USE ONLY



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE CHIEF ENGINEER (IP&D)

## BID EVALUATION REPORT

1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No.18049 I.D No. /2013
3	Tender Description/Name of Work/Item	REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date ( if applicable)	N/A .
9	No. of Bid Technically Qualified ( if applicable)	N/A .
10	Bid (s) rejected	Null
11	Financial Bid Opening Date	17/12/2013

### 12 Bid Evaluation Report

S #	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s. Malik & Co.	Rs. 2,498,000/-	1st Lowest	@ 7.4870% Above	Substantially Responsive	P.O # 8776268 Dt: 16/12/2013 Rs.50,000/- HBL Malir Cantt Br.
2	M/s. J.J Construction	Rs. 2,600,000/-	2nd Lowest	@ 11.8760% Above	Substantially Responsive	P.O # 6983797 Dt: 16/12/2013 Rs.52,000/- UBL Drigh Road Br.
3	M/s. Kashif Engg Works	Rs. 2,712,000/-	3rd Lowest	@ 16.6953% Above	Substantially Responsive	P.O # 6726217 Dt: 16/12/2013 Rs.63,630/- UBL Model Colony Br.

The all concerned bidder are being informed accordingly.

The E.E Concerned for compliance of rule 45 of SPPRA 2010 M/s. Malik & Co. declared as the lowest responsive bidder by the Committee and recommended for Sanction from Competent Authority.

Accounts Officer  
(E&M)-Water  
Member/Secretary

Additional Director Internal  
Audit - KMC Member

Superintending Engineer (KMC)  
Member

Chief Engineer (E&M)-Water  
Member

Chief Engineer (IPD),  
(Convener)



# STANDARD BIDDING DOCUMENT

PROCUREMENT OF WORKS  
(For Contracts Costing up to Rs.2.5 Million)

(Press Tender)  
(Sr. No. 2)

**-: Name of Work :-**

**“REPAIR / RE-BUILDING & CORROSION PROTECTIVE  
COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING  
OF 35 MGD PUMP SET “A” AT K-2 PUMP HOUSE,  
DHABEJI”**

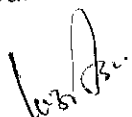
**-: Name of Office :-**


## DHABEJI (PUMPING) DIVISION

Dhabeji Pumping Station, Tehsil Mirpur Sakro, Dhabeji Town,  
Distt: Thatta  
Resident Engineer, Contact # 0333-2249153

# BIDDING DATA

- (a). Name of Procuring Agency: Dhabeji (Pumping) Division, KW&SB
- (b). Brief Description of Work: REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE, DHABEJI.
- (c). Procuring Agency Address: Dhabeji Pumping Station, Tehsil Mirpur Sakro, Dhabeji Town, Distt: Thatta
- (d). Estimate Cost: On Item rate basis.
- (e). Amount of Bid Security: 02% of Bid amount.
- (f). Period of Bid validity: 90 Days.
- (g). Security Deposit (including Bid Security): 10%
- (h). Venue, Time and Date of Bid Opening: The Tender in sealed cover superscribed with the name of the work should be dropped in the Tender Box kept in office of the Chief Engineer (IP&D) at Room No.5, Block "E", 9<sup>th</sup> Mile, Karsaz, Karachi on 17.12.2013 at 02.30 PM by Procurement Committee-I, KW&SB.
- (i). Deadline for submission of Bid along with time: 17.12.2013 at 02:00 PM.
- (j). Time for completion from From written order commence: 15 Days
- (k). Liquidity damage: 0.5% of Bid Cost per day of delay
- (l). Bid issued to Firm: M/s. Malik & Co.
- (m). Deposit Receipt No. & Date: R.No. 23 DT: 16-12-2013
- Amount: Rs.2,500/=

  
Resident Engineer

  
TENDER CLERK  
Finance Department  
KW & SB  
Authority issuing bidding Document.

NAME OF WORK:-

**REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE, DHABEJI.**

(B) Description and rate of Items based on Market (Offered rates)

Item No.	Qty.	Description of item to be executed at site	Rate	Unit	Amount in Rupees
1.	01Job.	<p>Repairing / Re-building &amp; Corrosion Protective Coatings on the double entry Impeller of 35 MGD, WEIR Pump with the following Scope of work:</p> <p><b>Description of Impeller:-</b></p> <ul style="list-style-type: none"> <li>▶ Outer dia = 920 mm</li> <li>▶ Internal dia = 133 mm</li> <li>▶ Total height = 410 mm</li> <li>▶ Suction dia = 505 mm</li> <li>▶ Vanes size = 7" side (Upper and Lower surface eroded)</li> <li>▶ Suction vanes = 8 + 8 = 16 Nos. (Both side Upper &amp; lower)</li> <li>▶ Discharge Vanes = 8 Nos. (Curve Shape)</li> </ul> <p><b>Scope of work:-</b></p> <p>(a). Surface preparation with grit blasting as per SA ½ standard.</p> <p>(b). Decontamination of blasted surface with Belzona 9111NF.</p> <p>(c). Re-Building both sides of 16 Nos. badly damaged surface of double entry impellers vanes (Inlet and out let) with Belzona 1311.</p> <p>(d). Re-building both sides of 16Nos. badly damaged surface of double entry impeller discharge suction vanes with Belzona 1311.</p> <p>(e). Repairing of all cavities inside of discharge and suction out let and inlet vanes with Belzona 2141.</p> <p>(f). Apply Belzona 2191 surface conditioner before application of Belzona 2141.</p> <p>(g). Re-enforcement of created portions of dislocated impeller vanes with Belzona 1311 &amp; Belzona 9341 re-enforcement.</p> <p>(h). Grinding work</p> <p>(i). Corrosion protective ceramic Belzona 1341 coating on the re-surface area of the impeller.</p> <p>(j). Cavitations resistant Belzona 2141 electrometric coating on the lightly impact zone.</p> <p>(k). Apply a thin layer of Belzona 9411 where Belzona material shout not Adhere during application.</p> <p>(l). Mechanical parts replacement and supplies are not in our scope of work.</p>	1000000	Job	1000000

Item No.	Qty.	Description of item to be executed at site	Rate	Amount in Rupees
2	01 Job.	Re-building and protective coating of eroded & damaged portion of 35 MGD Weir Pump casing with the following scope of work:- (a). Grit blasting for surface preparation as per SA 2½ standards. (b). Decontamination of blasted surface with Belzona 9111NF. (c). Re-Building badly eroded surface of pump "A" casing with Belzona 1311. (d). Belzona 1291 conditioner apply before 2141 Cavitations Resistant Elastomeric Coating.	1498000	Job 1498000
			Total:	Rs. 2498000

*[Signature]*  
Resident Engineer

I/We hereby quoted Rs. 2498000 for execution of above work and I/We hereby undertaking accept all clauses of SPPR-2010 and comply the Rules of K&SB.

*[Signature]*  
Signature of Contractor  
With name of firm & Seal

Address **MALIK & COMPANY**  
Office No. 8, Mazzanine Floor,  
Contact # **Rafi Mansion Opp: Airport Police Station, Shahrah-e-Faisal, KARACHI.**

1- Tender/Quotation received in sealed Cover and opened by Tender Opening Committee.  
2- No casting or overwriting on the cover.  
3- Cost of 5000/-  
4- Mobile No. 8776268  
Date: 16/12/13  
5- Contact: Mr. Nam & Co.  
2498000/-  
has attached to this  
(Rupees) Twenty Four Lakh Ninety Eight Thousand Only

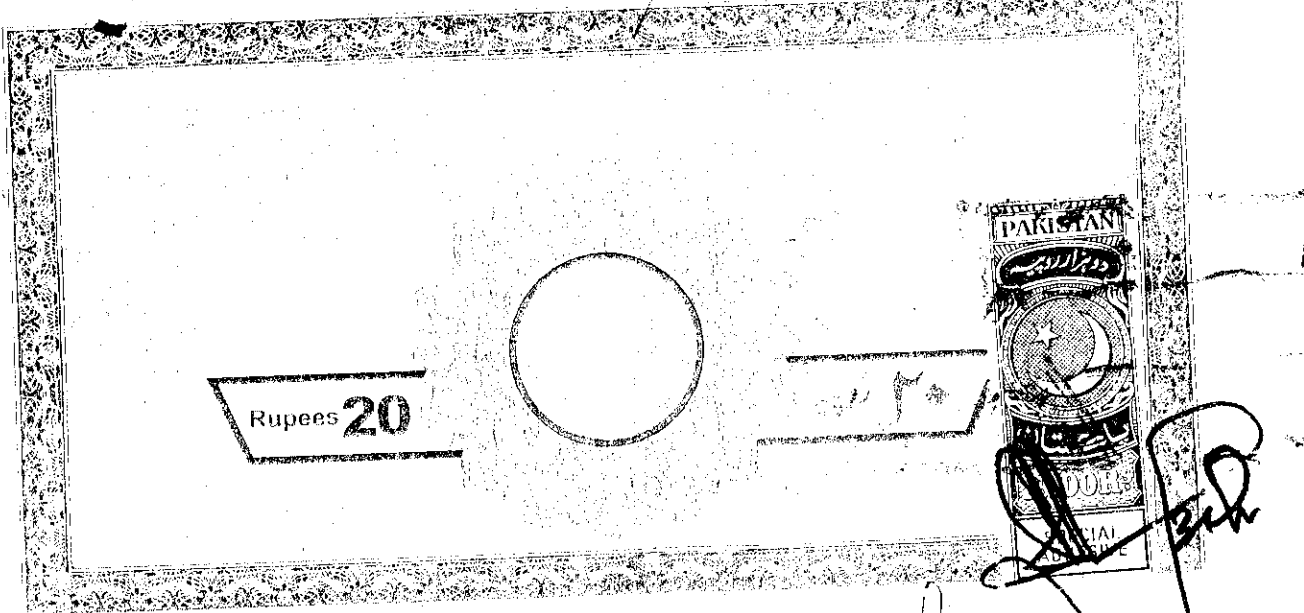
*[Signature]*  
A.O. (ES) (Member)

*[Signature]*  
C.E. (ES) Water (Member)

*[Signature]*  
Addl. Dir. Internal Audit-KMC (Member)

*[Signature]*  
S.E. (KMC) (Member)

*[Signature]*  
C.E. (KMC) (Convener)



REMARKS: SUPPLIER Stamp Vendor  
 Licence No. 128, Shop No. 16, Block-14,  
 Karim Plaza, Gulshan-e-Iqbal, Karachi  
 S.N.O. 067266

DATE: 17 FEB 2014  
 RECEIVED WITH ADDRESS  
 CHECKED WITH ADDRESS  
 DATE: 17 FEB 2014  
 STATE TENDER'S SIGNATURE: Zahid Mehmood  
 Advocate

17 FEB 2014

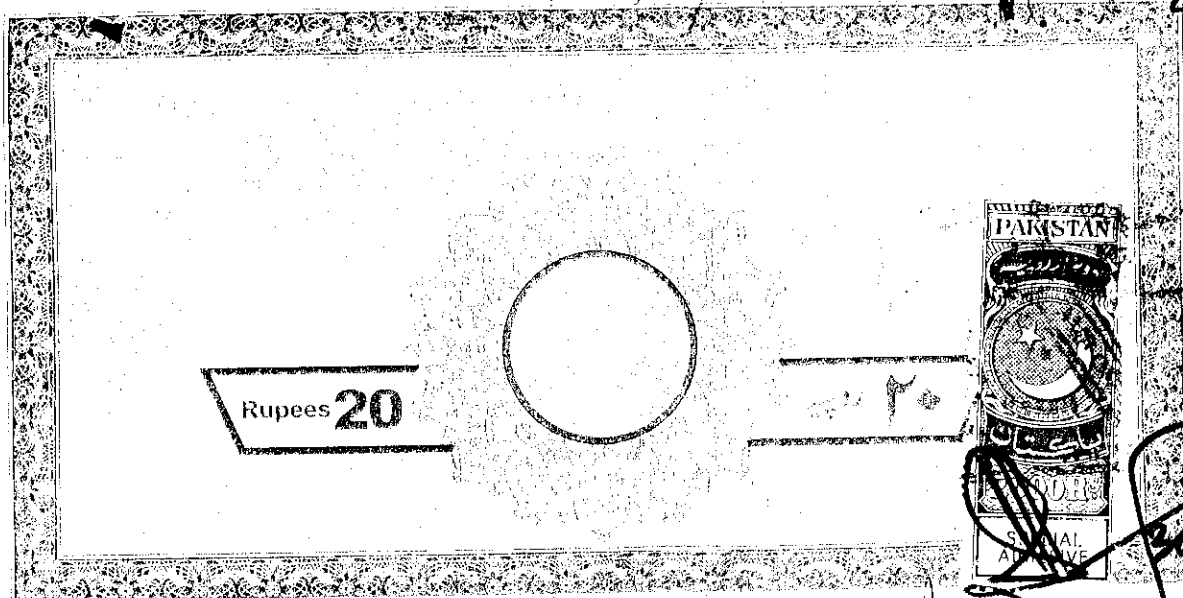
**AGREEMENT**

**Between**  
**M/s. Malik & Co.,**  
**and**  
**Karachi Water & Sewerage Board.**

This agreement made on this 18/12 day of February, 2014, between Karachi Water & Sewerage Board, Block-B, 9<sup>th</sup> Mile Shahra-e-Faisal, Karsaz, Karachi, through its Chief Engineer (E&M)-Water / S.E. (P&F)-I, KW&SB, hereinafter called the Board (hereinafter called the employer of the one part) and M/s. Malik & Co., Karachi, hereinafter called the Contractor of the other part.

Whereas the KW&SB has accepted the Contractor's Tender here unto Annexed and marked 1/3 dated 17.12.2013 for the work of "REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE, DHABEJI". Estimated cost: (On Item rate basis) under SPPR-2010. The total sanctioned amount is Rs.24,98,000/= (Rupees Twenty Four Lac Ninety Eight Thousand only) as

*Ali*



SEMIAN / KNTAR Stamp Vendor  
 License No. 174 Shop No. 16, Block-14,  
 Karon Plaza, Gulshan-e-Iqbal, Karachi  
 S.NO. 667264  
 DATE 11/11/2014

ISSUED TO WITH ADDRESS  
 THE HIGH WITH ADDRESS  
 PHONE NO  
 VALUE PA  
 STAMP VENDOR'S SIGNATURE Zahid Mehmood  
Advocate

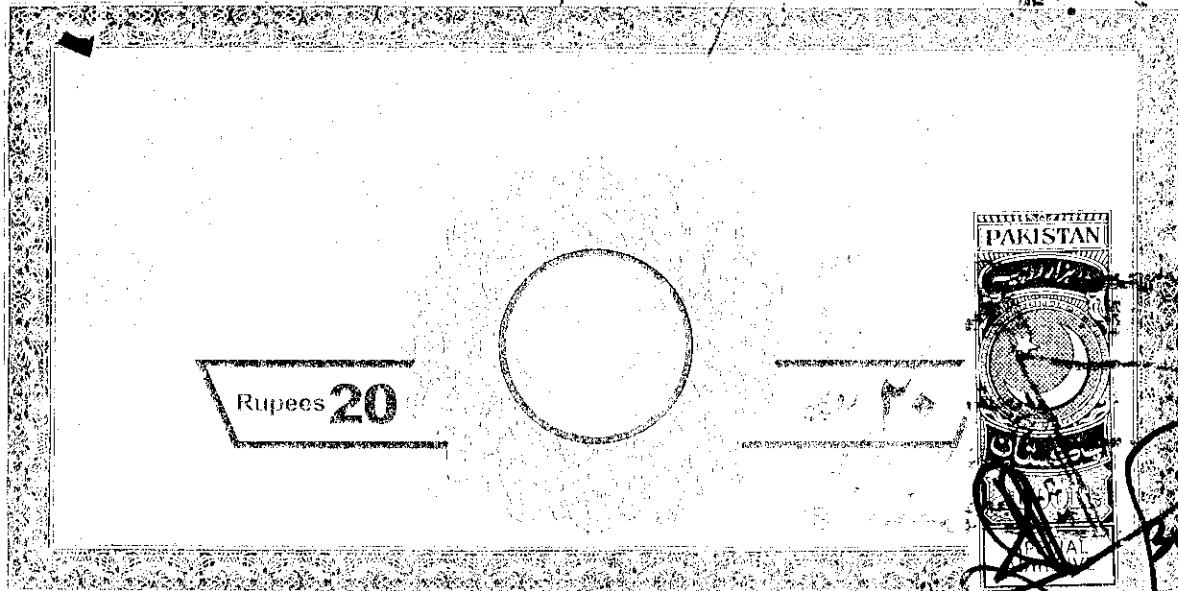
evaluated / recommended by Procurement / Evaluation Committee-I, KW&SB vide Para-46/N and financially concurred by the Finance Department, KW&SB vide Para-50 to 61/N duly approved by the Managing Director, KW&SB vide Para-63/N as per Contractor's quoted amount, the amount put to tender. According to the specifications and general terms and conditions vide Para-7&8 CPWA Code duly signed by the Contractor have made them fully acquainted with its meanings.

WHEREAS 10% Security Deposit (02% Earnest Money on Quoted amount is deposited by Contractor in favour of KW&SB) will be deducted from the Contractor's bill and such amount have given a lien over as security for the due fulfillment of the contract and the Contractor abide all the terms and conditions and aforesaid specification of the tender. Security Deposit deducted to be refunded after three months of satisfactory completion of the work.

The payment to be made by KW&SB to the contractor as per prevailing legal / codal practice

*Zahid Mehmood*





RENEW ANJUMAN Stamp Vendor  
 Licence No. 1211 Shop No. 18, Block-14,  
 Karon Plaza, Gulshan-e-Iqbal, Karachi  
 S.NO. 067265  
 DATE 18/01/2014  
 PURCHASE WITH ADDRESS Zahid Mehmood  
 PURCHASE ADDRESS Advocate  
 VALUE RS  
 STAMP VENDOR'S SIGNATURE

The Contractor due hereby bind themselves their heirs successors / legal representatives and assignee to pay 0.5% of Bid Cost per day of delay to the KW&SB or such smaller amount fixed by the competent authority. The time for completion of this work is within (15) Days.

IN WITNESS WHEREOF the said parties have set their respective hands on this 18/1 day

Feb, 2014.

*[Signature]*  
 M/s. Malik & Co.,  
 (Contractor)

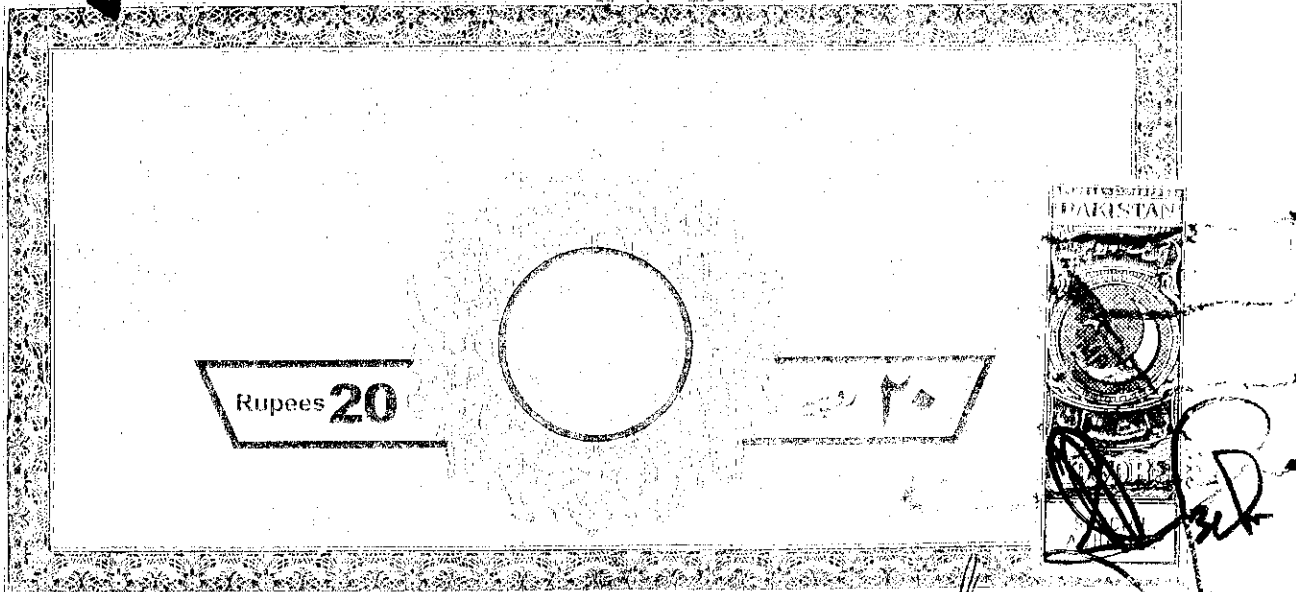
*[Signature]*  
 RESIDENT ENGINEER  
 DHABEJI (PUMPING) DIVISION,  
 KW&SB

*[Signature]*  
 SUPERINTENDING ENGINEER  
 (PUMPING & FILTER)-I,  
 KW&SB

*[Signature]*  
 CHIEF ENGINEER (E&M)-WATER  
 K.W. & S.B.

**WITNESSES:**

1. Kashif Egg works 2. *[Signature]*



Advocate Zaid Mehmood Advocate

**AGREEMENT**

**Between**

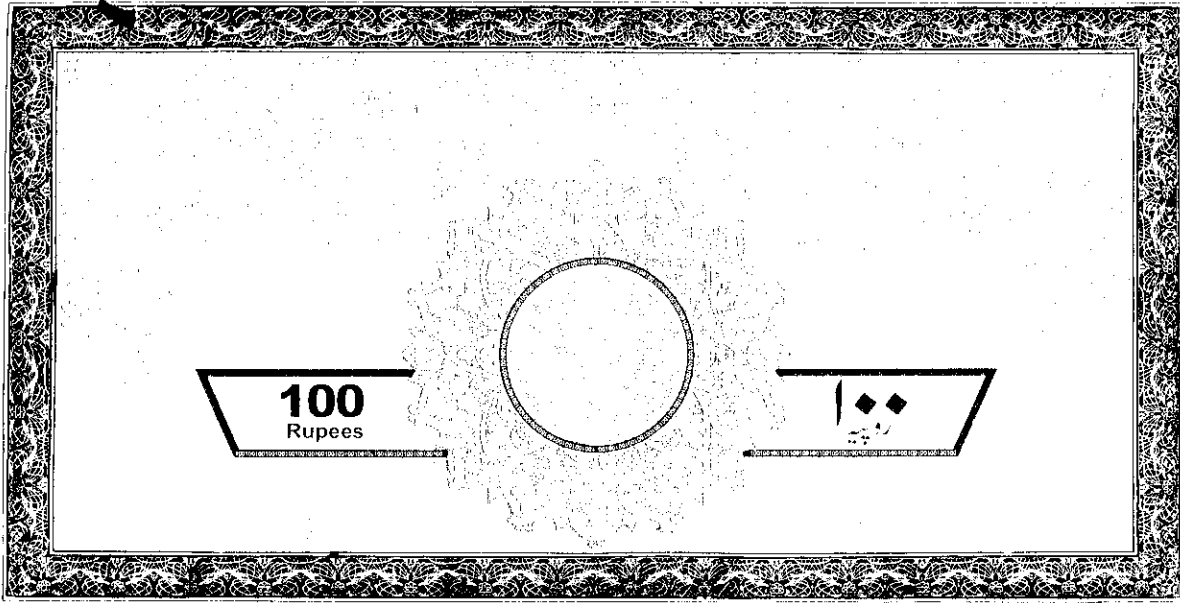
**M/s. Malik & Co.,  
and  
Karachi Water & Sewerage Board.**

Name of Work:- REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE, DHABEJI.

*[Signature]*  
M/s. Malik & Co.,  
(Contractor)

*[Signature]*  
RESIDENT ENGINEER  
DHABEJI (PUMPING) DIVISION,  
KW&SB

34344



**MEHAN AKHTAR Stamp Vendor**  
Licence No. 129, Shop No. 15 Block-14,  
Karnal Plaza Gulshan-e-Ikbal, Karachi  
Near Civic Centre

S. NO. \_\_\_\_\_  
ISSUED TO \_\_\_\_\_  
FOR \_\_\_\_\_  
PURPOSE \_\_\_\_\_  
DATE \_\_\_\_\_  
BY VENDOR'S SIGNATURE \_\_\_\_\_

14 FEB 2014  
Syed Aftab Ali Shah  
Advocate


**AGREEMENT**

**Between**

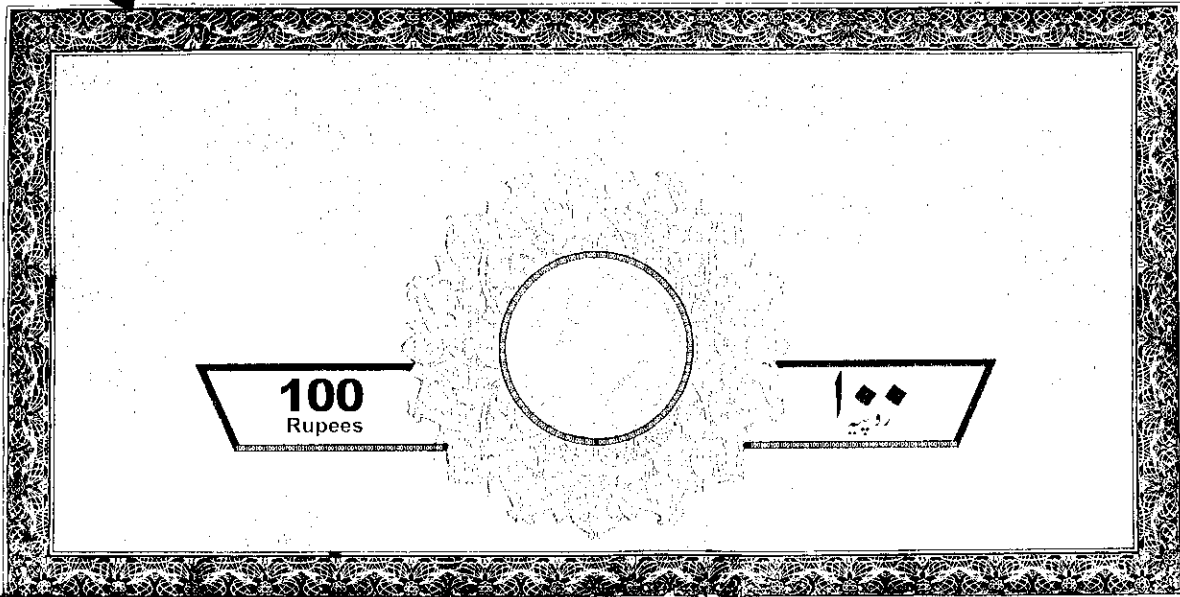
**M/s. Malik & Co.,  
and  
Karachi Water & Sewerage Board.**

Name of Work:- REPAIR / RE-BUILDING & CORROSION PROTECTIVE  
COATING OF DOUBLE ENTRY IMPELLER & PUMP  
CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE,  
DHABEJI.

  
**M/s. Malik & Co.,  
(Contractor)**

  
**RESIDENT ENGINEER  
DHABEJI (PUMPING) DIVISION,  
KW&SB**

134345



SYED AFTAB SHAH  
Line No. 120, Shop No. 120, Block-14,  
Karni Plaza Gulshan-e-Iqbal, Karachi  
Near Civic Centre  
14 FEB 2014

3. NO. 000399  
ISSUED TO THE CONTRACTOR  
BY THE AUTHORITY OF THE  
SE  
IN THE PRESENCE OF  
THE SENIOR'S SIGNATURE  
Syed Aftab Ali Shah  
Advocate


**AGREEMENT**

Between

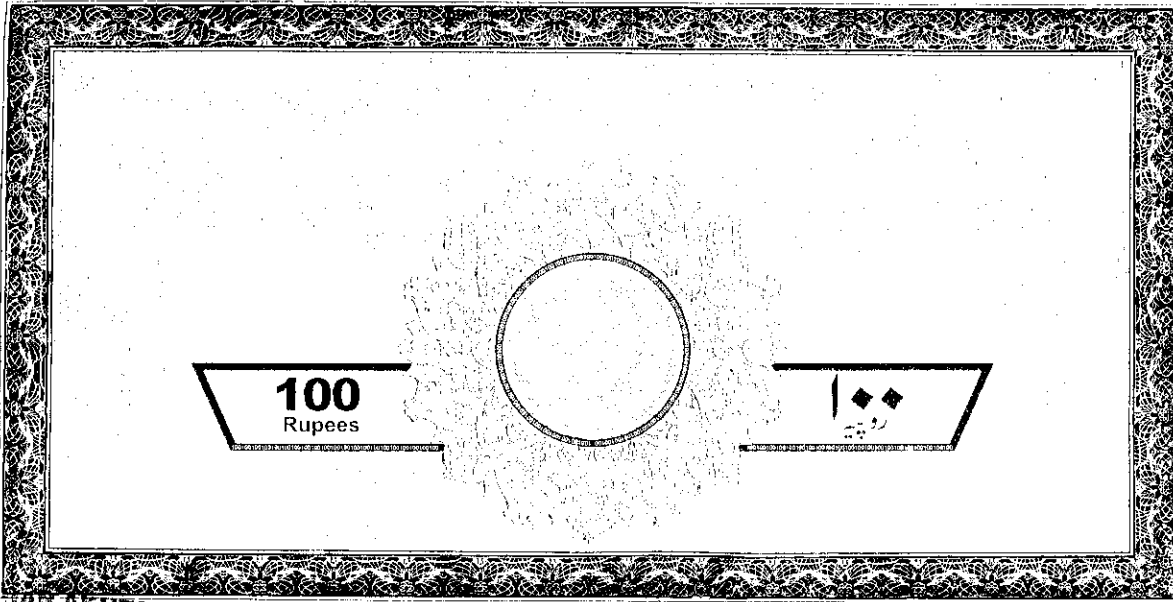
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Name of Work:- REPAIR / RE-BUILDING & CORROSION PROTECTIVE  
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CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE,  
DHABEJI.

  
M/s. Malik & Co.,  
(Contractor)

  
RESIDENT ENGINEER  
DHABEJI (PUMPING) DIVISION,  
KW&SB

H/34346



SYED AHMED ALI KHAN  
Licence No. 129, Shop No. 1  
Kashmir Plaza Bulchani  
Near Giza

14 FEB 2011

Syed Afzal Ali Shah  
Advocate


ISSUED TO  
EXCHANGE WITH  
ADULT  
DISE  
VALLE RC


**AGREEMENT**

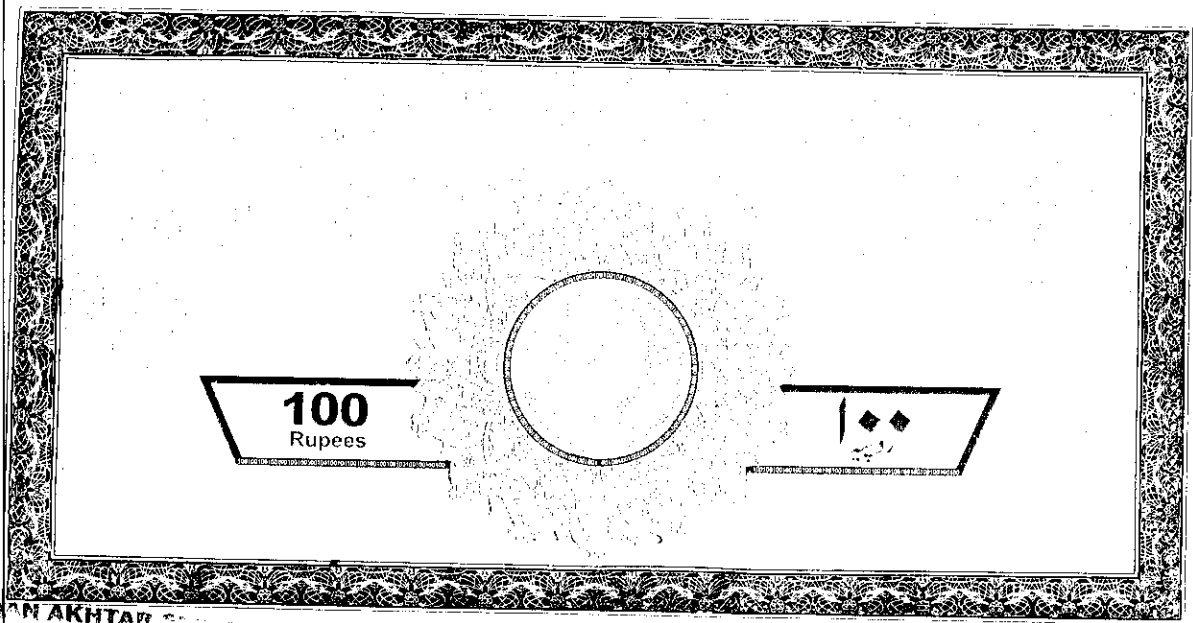
**Between**

M/s. Malik & Co.,  
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Name of Work:- REPAIR / RE-BUILDING & CORROSION PROTECTIVE  
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CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE,  
DHABEJI.

  
M/s. Malik & Co.,  
(Contractor)

  
RESIDENT ENGINEER  
DHABEJI (PUMPING) DIVISION,  
KW&SB



SYED AN AKHTAR  
 F-10/1, Block No. 129, Sheeraza, Block-14,  
 K-6/1, Plaza Giltan, Karachi-74800  
 Home No. \_\_\_\_\_  
 A. NO. **886401**  
 ISSUED TO WITH A  
 THROUGH WITH A  
 BY SE  
 VALUERS

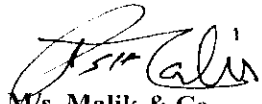
14 FEB 2014  
 Syed Aliq Ali Shah  
 Advocate

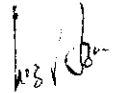
**AGREEMENT**

Between

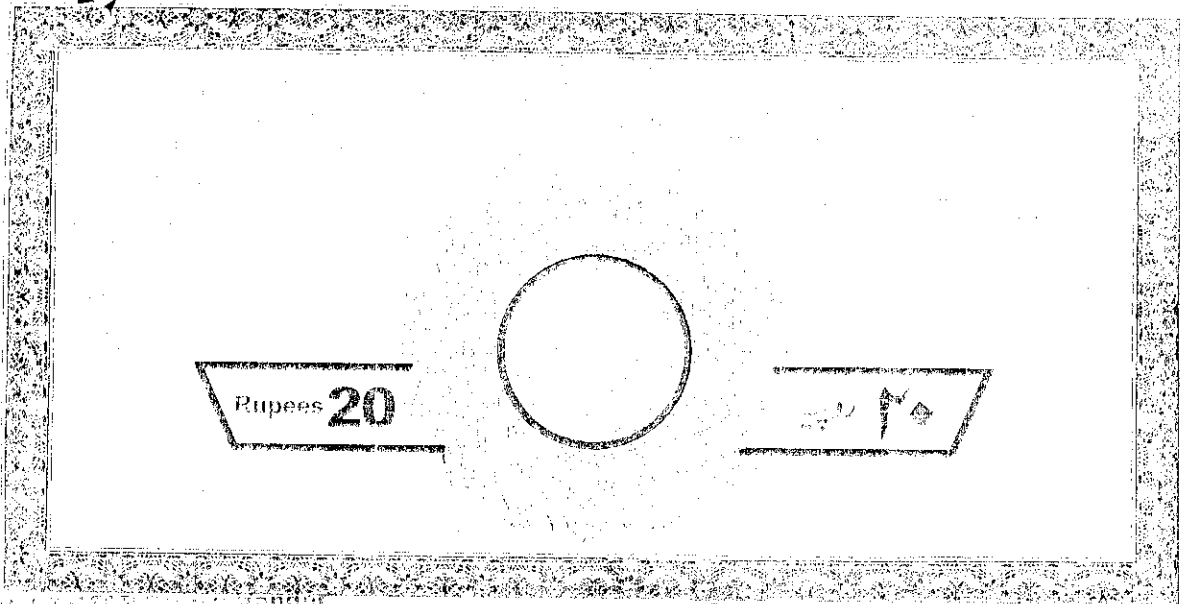
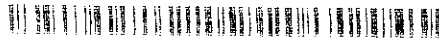
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 and  
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Name of Work:- REPAIR / RE-BUILDING & CORROSION PROTECTIVE  
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CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE,  
DHABEJI.

  
 M/s. Malik & Co.,  
 (Contractor)

  
 RESIDENT ENGINEER  
 DHABEJI (PUMPING) DIVISION,  
 KW&SB

0930242



ISSUED TO ALL BANKS THROUGH  
Office No 129, Station Road, Block 14,  
Karni Plaza, Gulshan-e-Iqbal, Karachi  
S.N.O

DATE 10 FEB 2016 008996

ISSUED TO ALL BANKS THROUGH WITH ADDRESS  
INTENT PURPOSE  
VALUE RS  
SIGNATURE

**AGREEMENT**

Between

M/s. Malik & Co.,  
and  
Karachi Water & Sewerage Board.

Name of Work:- REPAIR / RE-BUILDING & CORROSION PROTECTIVE  
COATING OF DOUBLE ENTRY IMPELLER & PUMP  
CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE,  
DHABEJI.

M/s. Malik & Co.,  
(Contractor)

RESIDENT ENGINEER  
DHABEJI (PUMPING) DIVISION,  
KW&SB



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE CHIEF ENGINEER (IP&D)

## BID EVALUATION REPORT


1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No. 18049 I.D No. /2013
3	Tender Description/Name of Work/Item	REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date ( if applicable)	N/A
9	No. of Bid Technically Qualified ( if applicable)	N/A
10	Bid (s) rejected	Nil
11	Financial Bid Opening Date	17/12/2013

### 12 Bid Evaluation Report


S#	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s. Malik & Co.	Rs. 1,727,524/-	1st Lowest	@ 14.9941% Above	Substantially Responsive	P.O # 677633 Dt: 17/12/2013 Rs. 2,000/- HBL Main Cantt Br.
2	M/s. Keshif Engg Works	Rs. 1,757,638/-	2nd Lowest	@ 18.9967% Above	Substantially Responsive	P.O # 6728218 Dt: 16/12/2013 Rs. 30,550/- UBL Model Colony Br. P.O # 7627008 Dt: 16/12/2013 Rs. 13,500/- UBL Model Colony Br.
3	M/s. J.J Construction	Rs. 2,073,032/-	3rd Lowest	@ 37.9932% Above	Substantially Responsive	P.O # 6983796 Dt: 16/12/2013 Rs. 54,000/- UBL Drigh Road Br.


The all concerned bidder are being informed accordingly.


The E.E Concerned for compliance of rule 45 of SPPRA 2010 M/s. Malik & Co. declared as the lowest responsive bidder by the Committee and recommended for Sanction from Competent Authority.

  
Accounts Officer  
(E&M)-Water  
Member/Secretary

  
Additional Director Internal  
Audit - KMC Member

  
Superintending Engineer (KMC)  
Member

  
Chief Engineer (E&M)-Water  
Member

  
Chief Engineer (IPD),  
(Convener)



**COMPARATIVE STATEMENT**  
**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS**  
**FOR K-3 PUMP HOUSE, DHABEJI**

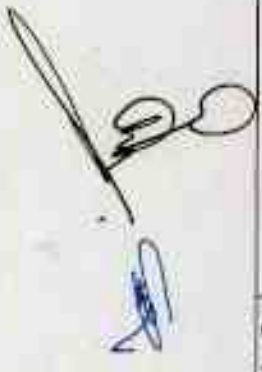
S.No	Description of Work	Engineer's Estimate				M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Disconnecting of H.T. Electric connection from Motor Panel re bearing & bearing temperature connection from motor	1 Job	1,275.00	P/Job	1,275.00	1520	1,500.00	1492	1,452.00	1,800.00	1,900.00
2	Dismantling & Pull out of H.T. Motor from Pump basement	1 Job	2,700.00	P/Job	2,700.00	3100	3,100.00	3159	3,159.00	3,720.00	3,720.00
3	Removal of Pulley from Pump shaft with the help of Hydraulic pulley machine and oxygen acetylene flame as per instruction of E/I in-charge	1 Job	15,300.00	P/Job	15,300.00	17800	17,500.00	17901	17,901.00	21,000.00	21,000.00
4	Removal of Pump casing after dismantling all Nuts from pump casing as per instruction of E/I	1 Job	6,590.00	P/Job	5,590.00	6300	6,300.00	6494	6,494.00	7,860.00	7,560.00
5	Pull out complete Pump set shaft from Pump section 25ft depth as per instruction of E/I	1 Job	1,960.00	P/Job	1,560.00	2500	2,500.00	2282	2,282.00	3,000.00	3,000.00
6	Removal of Bearing housing from Pump base / bed from the drive end side with the help of Hydraulic pulley machine and oxygen acetylene flame as per instruction of Engineer in-charge	1 Job	15,300.00	P/Job	15,300.00	17000	17,000.00	17801	17,801.00	20,400.00	20,400.00
7	Removal of Bearing # 7338 from Bearing housing with the help of Hydraulic pulley machine and oxygen acetylene flame as per instruction of Engineer in-charge	2 Job	15,300.00	P/Job	30,600.00	17000	34,000.00	17901	35,802.00	20,400.00	40,800.00
8	Removal of Bearing housing from Inspector shaft with the help of Hydraulic pressure machine and oxygen acetylene flame as per instruction of Engineer in-charge	1 Job	15,300.00	P/Job	15,300.00	17000	17,000.00	17901	17,901.00	20,400.00	20,400.00
9	Removal of Bearing # 6326 from Bearing housing with the help of Hydraulic pressure machine and oxygen acetylene flame as per instruction of Engineer in-charge	1 Job	15,300.00	P/Job	15,300.00	17000	17,000.00	17901	17,901.00	20,400.00	20,400.00






**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE ROLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABELI**

S.No	Description of Work	Engineer's Estimate				M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
10	Removal of Neck Ring from Impeller with the help of Hydraulic pressure machine and oxygen acetylene flame as per instruction of E/In-charge.	2	15,300.00	P/Job	30,600.00	17000	34,000.00	17901	35,802.00	20,400.00	40,800.00
11	Removal of Impeller from the pump shaft with the help of heavy duty Hydraulic pressure machine and oxygen acetylene flame with out changing the shape & structure of Impeller & shaft by the highly skilled worker as per instruction of Engineer-in-charge.	1	22,850.00	P/Job	22,850.00	26000	26,000.00	26735	26,735.00	31,200.00	31,200.00
12	Removal of upper & lower S.S. Slices from the Pump shaft with the help of Hydraulic pressure machine and oxygen acetylene flame as per instruction of Engineer In-charge.	2	15,300.00	P/Job	30,600.00	17000	34,000.00	17901	35,802.00	20,400.00	40,800.00
13	Removal of protective Pump casing ring from pump casing with the help of Hydraulic pressure machine and oxygen acetylene flame as per instruction of E/I	2	15,300.00	P/Job	30,600.00	17000	34,000.00	17901	35,802.00	20,400.00	40,800.00
14	Local Manufacturing of Pump Casing Protective Ring of KSB pump type ROLV 700-820A from Mangalore Dimple by casting from fire As pecker. Having composition Copper 58%, Tin 1%, Lead 2%, Iron 1%, Manganese 0.25%, Aluminum 2% and Zinc 37.55% with casting size OD=600mm, ID=475mm, height 110mm, having finished size dia 550mm, ID=495mm, with depth complete cover side 35mm, making cover dia from Neck Ring side 55mm, depth 40mm, i/c making colour at both portion of ring 5mm depth & width at outer dia of ring at center for soldering purpose of ring as pump casing to flange the ring on pump casing as per instruction of Engineer-in-charge.	2	163,445.00	Each	326,890.00	187000	374,000.00	191231	382,462.00	224,400.00	448,800.00



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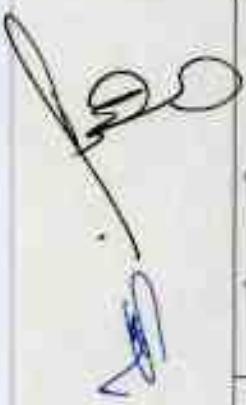


Malik



**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
15	Local Mfg. of Impeller Protective Ring of KSB Pump type RDLV 700-820A from alloy stainless steel by casting from Die Air pocket & Air bubble having composition: Stainless Steel 65%, Carbon 5%, Lead 3%, Iron 22%, Castiron 2%, Cobalt 1%, Sulphon 2% with casting size dia outer 561mm, inner dia 512mm, width-50mm having finished size dia outer 550 mm, inner dia 527mm & depth 40mm to fixing on Pump Impeller as per instruction of Engineer in-charge.	2 Nos	53,775.00	Each	107,550.00	61500	123,000.00	62917	125,834.00	73,800.00	147,600.00
16	Local Mfg. of Pump Shaft Protective Sleeve of Lamin KSB Pump type RDLV 700-820A from Stainless steel type AISI 316 (Pharmaceutical food grade) Solid shaft having finished size outer dia 165mm & making inner dia 145mm and length 262mm making inside sleeve dia 148mm at a distance from upper & lower side 75mm to making key slot 10mm depth, length of slot 45mm, width 7mm as per sample & instruction of Engineer in-charge to fixing of Sleeve in Pump shaft by heating & press fit process as per instruction of Engineer in-charge.	1 Nos	73,997.00	Each	73,997.00	85000	85,000.00	86576	86,576.00	102,000.00	102,000.00
17	Local Mfg. of Pump Shaft Protective Sleeve for KSB Pump type RDLV 700-820A from Stainless steel type AISI 316 (Pharmaceutical food grade) Solid shaft having finished size Outer dia (65mm & making inner dia 145mm and complete length 315mm and inside Sleeve dia 148mm at a distance from upper & lower side 75mm to making key slot at inner side 10mm depth, width of slot 10mm, Length of Slot 45mm to fixing of Pump shaft by heating & Press fit process as per sample & instruction of Engineer in-charge.	1 Nos	138,605.00	Each	138,605.00	160000	160,000.00	162188	162,188.00	192,000.00	192,000.00



M/s



M/s

**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI**

S No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engr Works		M/s. J J Construction			
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount	
18	Repair & Reconditioning of Pump shaft bearing housing & having cover plate by method of welding process having finished size 100-200mm, inner dia-210mm, depth-45mm by buffing polishing complete.	1	Job	61,150.00	PL/Job	61,150.00	70000	70,000.00	71546	71,546.00	84,000.00	84,000.00
19	Local Mfg. of Nut & Bolt for Shaft coupling from S.S. Solid shaft having outer dia 177 & Length 4' making matching cover dia 25mm & length 120mm, by making American thread on its 25mm complete length 120mm to making both head hexagonal shape length 25mm each hexagonal shape with 10mm, as per sample for making nuts with 177' dia S.S. Solid shaft length 1' making inside same dia 25mm & making thread inside 24mm complete by making hexagonal shape at other dia same width 10mm & length 25mm as per sample & instruction of Engineer's estimate.	6	Nos	6,594.00	Each	39,564.00	7500	45,000.00	7715	46,280.00	9,000.00	54,000.00
20	Local Mfg. of Nut & Bolt for Shaft coupling from Stainless steel Solid shaft having outer dia both 180mm & length 150mm to making dia both 100mm & length 75mm in American thread and in it 75mm complete length 75mm by making hexagonal head of 25mm length each hexagonal head of 10mm by making Nut with same dia solid shaft making hexagonal shape each side width 10mm and length 125mm & making inside American thread 25mm as per sample & instruction of Engineer's estimate.	10	Nos	4,679.00	Each	46,790.00	5000	50,000.00	5474	54,740.00	6,000.00	60,000.00
21	Making key of protective sleeve from Stainless steel having finished size height 20mm, width 18mm & length 48mm as per sample.	2	Nos	300.00	Each	600.00	350	700.00	351	702.00	420.00	840.00
22	Fixing of the Impeller on to shaft Pump shaft with the help of hydraulic press machine & oxygen acetylene flame as per instruction of E/I	1	Job	23,100.00	PL/Job	23,100.00	26500	26,500.00	27027	27,027.00	31,800.00	31,800.00

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**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate				M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
23	Balancing of Pump shaft dynamically after fixing of Impeller on the Pump shaft as per instruction of Engineer in-charge.	1	67,000.00	PI/Job	67,000.00	77000	77,000.00	78390	78,390.00	92,400.00	92,400.00
24	Local Mfg. and Fixing of spacer ring for Impeller pump shaft from 152mm dia length 25mm after machining finished size (110-140mm, ID-110mm) and height 20mm by grinding, polishing & fixing at pump shaft seal bearing portion.	2	5,309.00	Each	10,618.00	6000	12,000.00	6212	12,424.00	7,200.00	14,400.00
25	Local Mfg. of Shaft coupling steel from high Carbon high tensile solid shaft outer dia 125mm length 88mm by machining & making 'V' Shape thread at outer dia 125mm complete length 88mm by making hole from 20mm solid shaft making inner hole 12mm dia & making 'V' Shape at outer dia each side hexagonal 7mm width as per instruction of the Engineer in-charge.	12	350.00	Each	4,200.00	400	4,800.00	415	4,920.00	480.00	5,760.00
26	Providing / Fixing lock spring MB-26 for Flouting No.6236 C-3 Branded SXL as per instruction of T.I.	1	2,500.00	Each	2,500.00	2650	2,850.00	2825	2,825.00	3,420.00	3,420.00
27	Providing / Fixing of 20mm x 20mm each 4 side Lathin (hard) packing, high pressure, high temperature resistant (Impotech) as per instruction of Engineer in-charge.	5	2,000.00	PI/Kg	10,000.00	2300	11,500.00	2340	11,700.00	2,750.00	13,800.00
28	Providing of USA make DADDEX jointing solution at site	1	1,500.00	PI/Kg	1,500.00	1700	1,700.00	1755	1,755.00	2,040.00	2,040.00
28	PPF of 0.5mm Kittingrite Fiber sheet made by English having width 1-Meter after cleaning rubbing of old sheet piece from the pump casing surface both pump casing as per instruction of Engineer in-charge.	5	1,043.00	PI/Meter	5,215.00	1200	6,000.00	1220	6,100.00	1,440.00	7,200.00
30	Supply of Cotton Waste Bags (White Bleached) 100Lts.	100	60.00	Lb	6,000.00	70	7,000.00	70	7,000.00	84.00	8,400.00

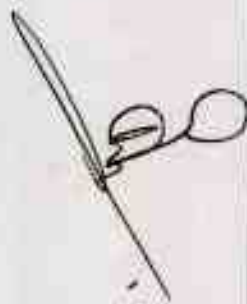
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**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount		
31	Fixing of complete pump impeller shaft in Lower Pump room and fitting of 18Nos Nuts of pump casing leak proof as per instruction of Engineer in-charge.	1	8,300.00	P/Job	8,300.00	9500	9,500.00	9711	9,711.00	11,400.00	11,400.00
32	Fixing of intermediate shaft of 35MGD KSB pump with Impeller shaft by coupling bush with zero alignment as per origin sign fit Nut & bolts.	1	5,905.00	P/Job	5,905.00	8700	8,700.00	8909	8,909.00	8,040.00	8,040.00
33	Fixing of Pulley of Pump shaft by the help of hydraulic press machine and oxygen acetylene flame.	1	18,850.00	P/Job	18,850.00	19000	19,000.00	19481	19,481.00	22,800.00	22,800.00
34	Local Mtg. & fixing of Chuck Nut / Lock nut with locking washer device of Specific leather to with stand against dynamic stress on the Pump set during operation with vanadium Phosphoric acid shaft from 170mm dia, length 27mm, finished size OD=170mm, ID=128mm, width 25mm having chamfered at one end side 60° at Center length 10mm by making square groove for gripping jacks, by tempering & hardening as per instruction of E/I	1	28,399.00	P/Job	28,399.00	32500	32,500.00	33227	33,227.00	39,000.00	39,000.00

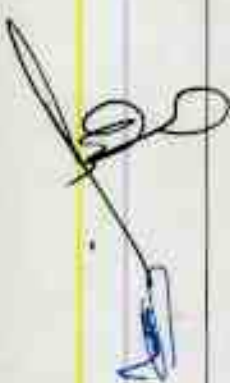






NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI

S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engrg Works		M/s. J.J Construction			
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount	
35	Local Mfg. of Rubber lined bearing bush from phosphorus bronze material having OD=240mm, ID=170mm & length 200mm by centrifugal casting free to air bubble / air pocket with finished outer dia 240mm, ID 185mm, length 220mm. 16 rubber collar of one end dia 220mm, width 10mm. 16 making step cutting between outer bush dia 208mm, length 120mm. 16 making inside bush groove cut for gripping rubber that each distance 20mm, depth 2mm. V shape. 16 making 2 hole at collar bottom side & thread in hole 10mm & rigid fixing of they? Rubber compound lining having resistance temperature, workable to water lubricants & capable to afford & friction by compressed moulding process inside the bronze bush having outer dia 185mm, inner dia 160mm, & length 240mm. 16 making groove square shape at rubber line 115mm each and equal distance from width, 7mm depth at complete length 240mm for passing water lubricants as per instruction of Engineer-in-charge.	1	Nos	120,299.00	Each	120,299.00	138000	138,000.00	140750	140,750.00	165,600.00	165,600.00
36	Local Mfg. of Water thread ring of KSB Pump from special phosphorus bronze manganese with centrifugal casting having OD=250mm, ID=145mm, length=60mm. 16 making finished size with collar dia from one side 190mm, inner collar dia 152mm, complete overall dia 210mm, ID=162mm, collar thickness 5mm both side, total width 30mm. 16 making two slots 50mm width & 5mm depth. 16 making 6 holes 13mm dia each & equal distance at thread dia as per instructions of E.I.	1	Nos	25,016.00	Each	25,016.00	28500	28,500.00	29059	29,059.00	34,200.00	34,200.00



16/11







**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN OUT PARTS  
FOR K-3 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate				Mrs. Malik & Co.		Mrs. Kashif Engrg Works		Mrs. J.J Construction	
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
37	Local Mfg. of Canal Inletman Neck Ring of KSB Pump from special phosphorus bronze manganese with centrifugal casting having OD=210mm, ID=147mm, width=25mm & making / polishing having OD=210mm, & ID=162mm, width 15mm as per instruction of Engineer in-charge.	1 Nos	12,076.00	Each	12,076.00	13500	13,500.00	14129	14,129.00	18,200.00	18,200.00
38	Local Mfg. of Bearing housing ceramic seal having OD=132mm, ID=116mm, & width upper side - same both corner side chamfered at 60° and bottom side outer dia 134mm as per instruction of Engineer in-charge.	1 Nos	14,575.00	Each	14,575.00	18500	18,500.00	17053	17,053.00	19,800.00	19,800.00
39	Local Mfg. of ceramic seal for shaft sleeve, having OD=151mm, ID=141mm, having seal cross sectional dia 5" as per instruction of Engineer in-charge.	2 Nos	7,312.00	Each	14,624.00	8400	16,800.00	8555	17,110.00	10,080.00	20,160.00
	Providing pure Stainless Steel Nuts & bolts in washers "N" Brand size 15mm to 25mm.	15 Kg	725.00	P/Kg	10,875.00	850	12,750.00	848	12,720.00	1,020.00	15,300.00
	(A) Providing Lubricant Special Grease LGHP 2/1 High performance Polyurea temp 302°/ 150°/C, SKF Brand for newly filled grease on Bearings.	10 Kg	1,500.00	P/Kg	15,000.00	1700	17,000.00	1755	17,550.00	2,040.00	20,400.00
40	Polishing of Motor at Pump base frame after removing the corrosion & rust surface without disturbing origin surface & making connection of HTI electric cable at motor panel and also connect the bearing temperature, heater temperature connection by removing & finishing carbon all lead terminal from C.T.C. by coupling the motor pulley & pump pulley with accurate accuracy digital level indicating free free to vibration & noise testing.	1 Job	47,111.00	P/Job	47,111.00	55000	55,000.00	55120	55,120.00	66,000.00	66,000.00
41	Scraping, Blanking and removing Old Paint from metal surface.	800 Sft	608.00	% Sft	48640.00	707	5,656.00	708	5,664.00	840.00	6,720.00

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**NAME OF WORK: REPAIR / MAINTENANCE OF 35 MGD KSB PUMP TYPE RDLV-700-820-A PUMP SET NO.4 BY REPLACEMENT OF WORN-OUT PARTS FOR K-3 PUMP HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J Construction		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
	Painting (Gardens, Buses, Gates, Iron Bars, Cladding railing in standard brass etc. and similar open work). 1st Cost.	600 Sft	371.80	% Sft	2,974.40	430	3,440.00	435	3,480.00	516.00	4,128.00
	2nd Cost.	600 Sft	302.80	% Sft	2,422.40	348	2,784.00	354	2,832.00	418.00	3,344.00
42	Transportation, loading & un-loading charges at Dhabeji to Karachi different workshop at Karachi and back to Dhabeji; Pump House etc loading & un-loading	1 Job	30,000.00	P/Job	30,000.00	49000	49,000.00	35100	35,100.00	58,800.00	58,800.00
	<b>Total Quoted / Corrected Cost</b>				<b>1,502,270.80</b>		<b>1,727,524.00</b>		<b>1,767,638.00</b>		<b>2,073,032.00</b>
	Say				<b>1,502,271</b>		<b>1,727,524</b>		<b>1,767,638</b>		<b>2,073,032</b>

Accounts Officer (E&M)  
Member/Secretary

Chief Engineer (E&M)-Water  
Member

Additional Director Internal  
Audit - KMC Member

Chief Engineer (CPD),  
(Convener)

Superintending Engineer (KMC)  
Member



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE CHIEF ENGINEER (IP&D)

## BID EVALUATION REPORT

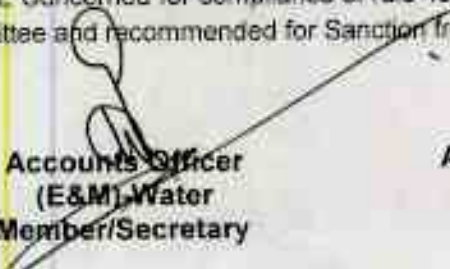
1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated 22-11-2013 SPPRA Serial No.18049 I.D No. /2013
3	Tender Description/Name of Work/Item	REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2 PUMP HOUSE DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date ( if applicable)	N/A
9	No. of Bid Technically Qualified ( if applicable)	N/A
10	Bid (s) rejected	Nil
11	Financial Bid Opening Date	17/12/2013

### 12 Bid Evaluation Report


S #	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s. Malik & Co.	Rs. 2,496,000/-	1st Lowest	@ 7.4670% Above	Substantially Responsive	P.O # 8776268 Dt: 16/12/2013 Rs. 50,000/- HBL, Mafr Cant Br.
2	M/s. J.J Construction	Rs. 2,600,000/-	2nd Lowest	@ 11.8760% Above	Substantially Responsive	P.O # 6983797 Dt: 16/12/2013 Rs. 52,000/- UBL, Origh Road Br.
3	M/s. Kashif Engg Works	Rs. 2,712,000/-	3rd Lowest	@ 16.6953% Above	Substantially Responsive	P.O # 5725217 Dt: 16/12/2013 Rs. 63,600/- UBL Model Colony Br.


The all concerned bidder are being informed accordingly


The E E Concerned for compliance of rule 45 of SPPRA 2010 M/s. Malik & Co. declared as the lowest responsive bidder by the Committee and recommended for Sanction from Competent Authority.

  
Accounts Officer  
(E&M)-Water  
Member/Secretary

  
Additional Director Internal  
Audit - KMC Member

  
Superintending Engineer (KMC)  
Member

  
Chief Engineer (E&M)-Water  
Member

  
Chief Engineer (IPD),  
(Convener)

**COMPARATIVE STATEMENT**  
**NAME OF WORK: REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-2**  
**PUMP HOUSE, DHABLI**

S.No	Description of Work	Engineer's Estimate		M/s. Malik & Co.		M/s. J.J Construction		M/s. Keshri Engg Works		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	
1	Repairing / Re-putting & Corrosion Protective Coatings on the double entry Impeller of 35 MGD W/EFr Pump with the following Scope of work:  Description of Impeller:- ▶ Outer dia = 320 mm ▶ Internal dia = 133 mm ▶ Total height = 410 mm ▶ Suction dia = 500 mm ▶ Volute vanes = 7 side (Upper and Lower volute outlet) ▶ Suction vanes = 8 + 8 = 16 Nos. (Both side Upper & lower) ▶ Discharge Vanes = 9 Nos. (Dune Shape) Scope of work:- (i). Surface preparation with grit blasting as per SA is standard. (ii). Deposition of standard surface with Benzona 0111MF. (iii). Re-putting both sides of 76 Nos. badly damaged surface of double entry impellers vanes (inlet and out let) with Benzona 1311.									




NAME OF WORK: REPAIR / RE-BUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD PUMP SET "A" AT K-3 PUMP HOUSE, DHABELI

S.No	Description of Work	Engineer's Estimate			Mr. Malik & Co.		Mr. J.J Construction		Mr. Keshif Engg Works		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	(ii) Re-building both sides of 18nos body damaged surface of double entry impeller design suction vanes with Belzona 1311 (iii) Repairing of all castles side of diameter 800 suction outlet and inlet vanes with Belzona 2141 (iv) Apply Belzona 2191 surface conditioner before application of Belzona 2141 (v) Re-enforcement of cracked portions of double-entry impeller vanes with Belzona 1311 & Belzona 9241 re-epoxy-resin (vi) Grinding work (vii) Corrosion protective ceramic: Belzona 1341 coating on the sensitive area of the impeller (viii) Cavitations resistant: Belzona 2141 electrotonic coating on the highly impact zone (ix) Apply a thin layer of Belzona 9411 where Belzona material should not adhere during application (x) Mechanical parts replacement and re-assembly and protective coating of eroded & damaged portion of IS MCDP Water Pump casing with the following scope of work: (a) Get blasting for surface preparation as per IS-275 standards (b) Deposition of treated surface with Belzona 81119P (c) Re-Building both eroded surface of pump 'A' casing with Belzona 1311 (d) Belzona 1291 conditioner apply before 2141 Cavitations resistant Electrotonic Coating	1	882,000.00	Rs/Job	882,000.00	1000000	1,000,000.00	1,100,000.00	1,100,000.00	1130000	1,130,000.00
2	Total Estimated / Contracted Cost	1,000	1,442,000.00	Rs/Job	1,442,000.00	1,480,000	1,430,000.00	1,500,000.00	1,500,000.00	1,580,000	1,580,000.00
	Qty				2,334,000.00		2,498,000		2,660,000.00		2,712,000

Account Officer (EAM) Member  
  
 Chief Engineer (EAM) Member  


Additional Director (Internal Audit) - KSC Member  


Chief Engineer (Contract)  


Superintending Engineer (KMC) Member  




# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE CHIEF ENGINEER (IP&D)

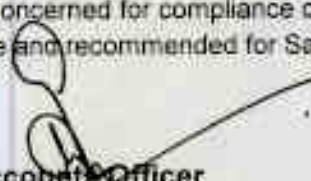
## BID EVALUATION REPORT

1	Name of Procuring Agency	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No	KWSB/DPR/2013/130 Published in i) The Nation ii) Jahan Pakistan iii) Sindh Affier on Dated: 22-11-2013 SPPRA Serial No. 18049 I.D No. /2013
3	Tender Description/Name of Work/Item	LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700- 820-A & P/F OF BEARING NO.7330 & 6326-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI
4	Method of Procurement	Single Stage (One Envelop)
5	Tender Published	Through Web Site / Press
6	Total Bid Documents Sold	03 Nos
7	Total Bid Received	03 Nos
8	Technical Bid Opening Date ( if applicable)	N/A
9	No. of Bid Technically Qualified ( if applicable)	N/A
10	Bid (s) rejected	Nil
11	Financial Bid Opening Date	17/12/2013


S #	NAME OF FIRM OR BIDDER	COST OFFERED BY THE BIDDERS	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s. Malik & Co.	Rs. 2,498,800/-	1st Lowest	@ 0.0527% Above	Substantially Responsive	P.O # 8776269 Dt: 16/12/2013 Rs. 50,000/- HBL Malir Cant Br.
2	M/s. Kashif Engg Works	Rs. 2,573,754/-	2nd Lowest	@ 3.0543% Above	Substantially Responsive	P.O # 6726336 Dt: 16/12/2013 Rs. 51,320/- UBL Model Colony Br. P.O # 7627276 Dt: 16.12.2013 Rs. 500/- UBL Model Colony Br.
3	M/s. J.J Construction	Rs. 2,623,740/-	3rd Lowest	@ 5.0554% Above	Substantially Responsive	P.O # 6963798 Dt: 16/12/2013 Rs. 53,000/- UBL Dugh Road Br.


The all concerned bidder are being informed accordingly.


The E E Concerned for compliance of rule 45 of SPPRA 2010 M/s. Malik & Co. declared as the lowest responsive bidder by the Committee and recommended for Sanction from Competent Authority.

  
Accounts Officer  
(E&M)-Water  
Member/Secretary

  
Additional Director Internal  
Audit - KMC Member

  
Superintending Engineer (KMC)  
Member

  
Chief Engineer (E&M)-Water  
Member

  
Chief Engineer (IPD),  
(Convener)



**COMPARATIVE STATEMENT**  
**NAME OF WORK: LOCAL MANUFACTURING OF PUMP SHAFT TYPE RDLV-700-820-A & P/F OF BEARING NO.7330 & 8336-C3 FOR PUMP SET NO.4 OF K-3 PUMP**  
**HOUSE, DHABEJI**

S.No	Description of Work	Engineer's Estimate			Mr. Malik & Co.		Mrs. Kshiti Engg Works		Mr. J.J Construction		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount		
1	Providing Bearing No.7330 DCEM, SKF Brand for KSB Pump type RDLV 700-820A with following scope of work:-	2 Nos	200,700.00	Each	521,400.00	270000	540,000.00	278100	568,200.00	283,500.00	567,000.00
(a)	Vibration Analysis Service Fee	1 Job	70,000.00	P/Job	70,000.00	70000	70,000.00	72100	72,100.00	73,600.00	73,600.00
(b)	Dynamic Balancing service Fee (with intermediate shaft)	1 Job	165,000.00	P/Job	165,000.00	167500	167,500.00	172525	172,525.00	175,875.00	175,875.00
(c)	Service fee for Laser alignment / checking	1 Job	38,000.00	P/Job	38,000.00	96000	96,000.00	98800	98,800.00	100,800.00	100,800.00
(d)	Service fee for Bearing Mounting & dis-mounting	2 Job	85,000.00	P/Job	170,000.00	83000	166,000.00	85490	170,980.00	87,100.00	174,200.00
(e)	Up & Down of SSKF certified Engineer (10 Days)	1 Job	36,000.00	P/Job	36,000.00	35500	35,500.00	38800	38,800.00	37,275.00	37,275.00
(f)	Weight / Shim / Lubricants of SKF Change	1 Job	29,600.00	P/Job	29,600.00	29000	29,000.00	29870	29,870.00	30,450.00	30,450.00
2	Providing Bearing No.8336 C-3 SKF Brand of Pump Shaft	1 Nos	115,000.00	Each	115,000.00	115000	115,000.00	118400	118,400.00	120,750.00	120,750.00
(a)	Vibration analysis Service Fee	1 Job	45,000.00	P/Job	45,000.00	43800	43,800.00	45114	45,114.00	45,890.00	45,890.00
(b)	Dynamic Balancing service Fee	1 Job	68,000.00	P/Job	68,000.00	65000	65,000.00	66800	66,800.00	68,250.00	68,250.00
(c)	Service fee for Laser alignment / checking	1 Job	65,000.00	P/Job	65,000.00	65000	65,000.00	66850	66,850.00	68,250.00	68,250.00
(d)	Service fee for Bearing mounting & dis-mounting	1 Job	35,000.00	P/Job	35,000.00	39000	39,000.00	37800	37,800.00	37,800.00	37,800.00
(e)	Weight / Shim / Lubricants of SKF Changes	1 Job	17,000.00	P/Job	17,000.00	15000	15,000.00	15450	15,450.00	15,750.00	15,750.00

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NAME OF WORK: LOCAL MANUFACTURING OF PUMP SHAFT TYPE RD.V-700-820-A & P/F OF BEARING NO.7330 & 6325-C3 FOR PUMP SET NO.4 OF K-3 PUMP HOUSE, DHABEJI

S.No	Description of Work	Engineer's Estimate			M/s. Malik & Co.		M/s. Kashif Engg Works		M/s. J.J. Construction		
		Quantity	Rate	Unit	Amount	Rate	Amount	Rate	Amount	Rate	Amount
3	Local Mfg. of KSPB Pump shaft from Stainless steel solid shaft food grade SAE-316 turn 900mm dia length 2210mm & machining at house of the shaft dia 145mm length 205mm by making of impeller using dia 160mm and length 270mm, machining at impeller portion dia 170mm & length 270mm, machining at upper of impeller portion dia 145mm & length 670mm, making thread for lock sleeve (width & length 225mm making step dia 175mm & length 42mm, by making coupling portion dia 120mm & length 270mm, making outer cut for grip the coupling 15mm width & depth of groove 5mm making key slot 8mm length of slot 20mm & making key slot for impeller grip, length 145mm width of slot 30mm and depth of slot 12mm & making second lower end shaft key slot depth 10mm, width of slot 5mm, length of slot 20mm as per instruction of Impeller techs.	1 Nos	862,965.00	Each	862,965.00	850000	860,000.00	875000	875,500.00	902,500.00	892,500.00
4	Local Mfg. of Guard of Pump from casting of phosphorus bronze bearing casting size OD-550mm, Outer dia 305mm, width 45mm total length 250mm bearing finished size Guard shape 315x50mm Guard plate width 30mm, color dia finished size 1780mm, width 30mm (by making hole at centre of Guard 150mm throughout length 45mm by making GINQ, hole 20mm of each of corner away 25mm & making thread 20mm as per instruction Engineer estimate	1 Nos	209,487.00	Each	209,487.00	205000	205,000.00	211150	211,150.00	215,250.00	215,250.00
<b>Total/Quoted / Corrected Cost</b>					<b>2,497,482.00</b>		<b>2,498,800.00</b>		<b>2,573,754.00</b>		<b>2,623,740.00</b>
<b>Qty</b>					<b>2,497,482</b>		<b>2,498,800</b>		<b>2,573,754</b>		<b>2,623,740</b>

  
 Accountant (E&M)  
 Member

  
 Chief Engineer (E&M)-Water  
 Member

  
 Additional Director Internal  
 Audit - KMC Member

  
 Chief Engineer (E&M)  
 (Contract)

  
 Superintending Engineer (KMC)  
 Member