

# KARACHI WATER & SEWERAGE BOARD OFFICE OF THE DIRECTOR (DESIGN & ESTIMATE) **BID EVALUATION REPORT**

1	Name of Procuring Agency:	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No:	KWSB/DPR/2017/48 published in daily "Dawn" "Jahan-e-Pakistan" and daily "Sobh" dt: 08-04-2017. SPPRA Serial No.32659 I.D No
3	Tender Description/Name of Work/Item:	SERVICING / OVERHAULING OF 11 KV, 1050 KW, 69 AMPS. AEG ELECTRIC STANDBY MOTOR OF 3RD. PHASE PUMP; HOUSE, DHABEJI.
4	Method of Procurement:	Single Stage (One Envelop)
5	Tender Published:	Through Press & SPPRA Web Site
6	Total Bid Documents Sold:	<u>02 Nos</u>
7	Total Bid Received:	<u>02 Nos</u>
8	Technical Bid Opening Date (if applicable):	<u>N/A</u>
9	No. of Bid Technically Qualified (if applicable)	N/A
10	Bid (s) Rejected:	NIL
11	Financial Bid Opening Date:	03-05-2017

#### 12 **BID EVALUATION REPORT**

S#	Name of Firm / Bidder	COST OFFERED BY THE BIDDER	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE / REJECTION	REMARKS
1.	M/s.Al- Hannan Builders	Rs.12,71,522/-	1 <sup>st</sup> Lowest	@14.570% Above	Pay Order and other documents are available. P.O# 03314001 dt:20-02-2017 Rs.22,210/- & P.O# 02975587 dt:20-01-2017 Rs.12,000/- Total Rs.34,210/-from Bank Al Habib Ltd. Malir Cnatt Branch Karachi	Substantially Responsive
2.	M/s.H.R. Brothers	Rs.12,76,293/-	2 <sup>nd</sup> Lowest	@15.000% Above	Pay Order and other documents are available. P.O # 17002697 dt:20-02- 2017 Rs.41,700/-from HBL Malir Cantt Branch Karachi	Substantially Responsive

The all concerned bidders are being informed accordingly.

The R.E Concerned for compliance of Rule-45 of SPPRA 2010 M/s.Al-Hannan Builders declared the lowest responsive bidders by the Committee and recommended for sanction from Competent Authority.

(Muhammad Hanif) D.A.O (P&F)-I Circle

Member Secretary

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

(Magsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Intekhab Ahmed Rajput)

S.E (R&F)4 Member

(Saleem Ahmed) Director (Design & Estimate)

#### NIT No.SPPRA Serial No.32659

Method and procedure of procurement: <u>Open Competitive Bidding (National/ International Competitive Bidding) (Single Stage-One Envelope)</u>

Description of work: SERVICING / OVERHAULING OF 11 KV, 1050 KW, 69

AMPS. AEG ELECTRIC STANDBY MOTOR OF 3RD. PHASE

PUMP; HOUSE, DHABEJI.

Date of Opening:

03-05-2017

#### BIDDERS' ELIGIBILITY/ QUALIFICATION REPORT

Eligibility/ Qualification Criteria:

		Bidders'	Name
S. No.	Eligibility / Qualification Criteria	M/s.Al-Hannan Builders	M/s.H.R. Brothers
1.	Registration with PEC (if applicable)	N/A	N/A
2.	NTN	Yes	Yes
3.	Sales Tax Registration (FBR)	N/A	N/A
4.	Registration with Sindh Revenue Board (SRB)	Yes	Yes
	Qualification Criteria:		
5.	Minimum three years experience of relevant field.	Yes	Yes
6.	Turnover of at least last three years	Yes	Yes
7.	Required Bid Security is attached.	Yes	Yes
8.	Bid is signed, named and stamped by the authorized person of the firm along with Authorization letter.	Yes	Yes
9.	Any other factor deemed to be relevant by the procuring agency subject to provision of Rule-44	N/A	N/A
10.	Qualified/ disqualified	Qualified	Qualified

(Muhammad Hanif) D.A.O (P&F)-I Circle Member / Secretary

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

(Maqsood Ahmed Shaikh) Superintending Engineer (KMC) Member

(Intekhab Ahmed Rajput) S.E (P&F)-I

Member

Director (Design & Estimate)

#### NIT Sr. No. SPPRA Serial No.32659

Method of Procurement: Single Stage Single Envelope.

Name of Work: SERVICING / OVERHAULING OF 11 KV, 1050 KW, 69 AMPS.

AEG ELECTRIC STANDBY MOTOR OF 3RD. PHASE PUMP;
HOUSE, DHABEJI.

#### MINUTES OF BID OPENING MEETING.

A meeting of the procurement committee of this department was held on 03-05-2017 for opening the bids received in respect of subject NIT till deadlines of submission. The meeting was attended by all / following members of the procurement committee and the representative of bidders. (Attendance sheet is enclosed).

- 2. Two bidders submitted their bids till the deadline of submission.
  - i. M/s. Al-Hannan Builders
  - ii. M/s. H.R Brothers
- 3. The bids were opened at 2:30 P.M in the presence of the above mentioned participants and the rates quoted by bidders were read aloud and encircled by Chairman of the Procurement Committee.

S. No	Name of Firm	Quoted Price	Amount of Bid Security	Pay Order No. / Date
1.	M/s.Al-Hannan Builders	Rs.12,71,520/-	Rs.34,210/-	P.O# 03314001 dt:20-02-2017 Rs.22,210/- & P.O# 02975587 dt:20-01-2017 Rs.12,000/- from Bank Al Habib Ltd. Malir Cnatt Branch Karachi
2.	M/s.H.R. Brothers	Rs.12,76,292/-	Rs.41,700/-	P.O # 17002697 dt:20-02-2017 from HBL Malir Cantt Branch Karachi

- 4. The bids do not contain any cutting or over-writing.
- 5. The committee shall examine all the bids as per the qualification / eligibility criteria provided in the bidding document and verify the documents and bid security submitted by the bidders (if required).

6. The meeting ended with the vote of thanks to and from the chair.

Outhammad Hanif) D.A.O (P&F)-I Circle

Member / Secretary

(Intekhab Ahmed Rajput)

S.E (R&F)-I Member (Saif-ul-Haque)
Additional Director Internal
Audit – KMC Member

Super

(Maqsood Ahmed Shaikh)

Superintending Engineer (KMC)

Member

Director (Design & Estimate)

# **COMPARATIVE STATEMENT**

Name of Work: SERVICING / OVERHAULING OF 11 KV, 1050 KW, 69 AMPS. AEG ELECTRIC STANDBY MOTOR OF 3RD. PHASE PUMP; HOUSE, DHABEJI.

Item No	Description of Work			Estimated	Cost		M/s.Al-Hannan Builders		M/s.H.R Brothers	
110			tity	Rate	Per	Amount	Rate	Amount	Rate	Amount
1.	Servicing and overhauling of H.T. 11 KV, 1050KW									
(A)	69Amps. Induction Motor (AEG Germany made) with the									
	following scope of work: Removal of Motor shaft couplings.	1.00	Job	10,275	P/Job	10,275.00	11000.00	11,000.00	11816.00	11,816.00
(B)	Dismantling & Shifting of Motor from Bed and dismantling of									
	complete Motor parts, Top & Bottom covers Exhaust fans and									
	dismantling of Rotor assembly complete as per instruction of									
	Engineer incharge.	1.00	Job	17,674	P/Job	17,674.00	21000.00	21,000.00	20325.00	20,325.00
(C)	Complete washing, cleaning of Rotor, Stator Windings with									
	highly vapoursing Carbon Tetra Chloride i/c drying of									
	windings in vacuum oven. Testing of winding at room									
	temperature including impregnation of winding with Class 'F'						1			
	insulation i/c final heating and drying vacuum oven and static						,			
	facing of windings as per instruction of Engineer incharge.	1.00	Job	413,477	P/Job	413,477.00	475500.00	475,500.00	475498.00	475,498.00
(D)	Dismantling, Servicing, De-carbonizing and cleaning of stator									
	Terminal Boxes, Cable Ends, Cable Glands, Terminal studs									
	and Bushings, Spacer Heater Temperature Sensors, Earth									
	terminals and protection conductors with C.T.C. and drying									
	complete i/c replacement of connectors i/c re-insulation as per									
	instruction of Engineer incharge.	1.00	Job	4,266	P/Job	4,266.00	5000.00	5,000.00	4900.00	4,900.00
2	Servicing of Heat Radiating Tubes 177Nos. of 38mm dia						1.7			
	2130mm in length by complete washing, cleaning with CTC						H			
	and drying by heater blower i/c Repair / reconditioning of						10			
	Tubes by brazing from Top to bottom side as per instruction of						1			
	Engineer incharge.	1.00	Job	22,700	P/Job	22,700.00	26000.00	26,000.00	26100.00	26,100.00

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# Name of Work: SERVICING / OVERHAULING OF 11 KV, 1050 KW, 69 AMPS. AEG ELECTRIC STANDBY MOTOR OF 3RD. PHASE PUMP; HOUSE, DHABEJI.

Item No	Description of Work			Estimated	Cost			-Hannan lders	M/s.H.R	Brothers
140			tity	Rate	Per	Amount	Rate	Amount	Rate	Amount
	Repair / Reconditioning of Cooling Exhaust fan having Outer dia = 910mm, ID = 590mm having 12Nos., Concave type Vanes width of Fan 130mm shaft Dia bore 125mm, outer dia 180mm including Redressing the shape of fan and balancing for vibration free operation upto 1000RPM as per instruction of the Engineer incharge.	2.00	Jobs	32,196	P/Job	64,392.00	37000.00	74,000.00	37750.00	75,500.00
	Repair & Reconditioning of Motor Coupling having Top side dia = 560mm, width = 75mm, internal dia 160mm. From bottom side Outer Dia 320mm height 145mm, i/c buffing polishing as per instruction of the Engineer incharge.	1.00	Job	35,825	P/Job	35,825.00	41000.00	41,000.00	41200.00	41,200.00
5	Repair & Reconditioning of Pump coupling Top side outer dia = 560mm, height = 85mm, from bottom side outer dia = 260mm height 140mm, Internal Dia (Shaft dia) 100mm, length 225mm i/c buffing polishing complete as per instruction of the Engineer incharge.	1.00	Job	35,825	P/Job	35,825.00	41000.00	41,000.00	41200.00	41,200.00
	i). Vibration Analysis of H.T. Motor with load (coupled with Pump) and without load (un-coupled) ii). Vibration analysis of H.T. Motor without Exhaust fan and bottom Exhaust fan from motor rotor by full RPM 1000. iii). Repair / reconditioning of Rotor shaft dia 140mm, at top and 170mm at bottom with Length=2743 including balancing of Rotor shaft, fixing exhaust fan upper and lower at 975-1000RPM and commission-ing of Motor.	1.00	Job	445,044	P/Job		511000.00	511,000.00	511800.00	511,800.00
7	Assembling of complete Motor parts Cover, Upper and Lower Exhaust Fan, Upper & Lower Locking washer i/c installation of Motor Bed fastening the foundation bolts and making connections of H.T. Cables, space heaters, Temperature Sensors, Relays and testing as per instruction of Engineer incharge.	1.00	Job	18,000	P/Job	18,000.00	20000.00	20,000.00	20700.00	20,700.00

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### Name of Work: SERVICING / OVERHAULING OF 11 KV, 1050 KW, 69 AMPS. AEG ELECTRIC STANDBY MOTOR OF 3RD. PHASE PUMP; HOUSE, DHABEJI.

Item No	Description of Work			Estimated	l Cost		M/s.Al-Hannan Builders		M/s.H.R Brothers	
110		Quantity		Rate	Per	Amount	Rate	Amount	Rate	Amount
8	Re-installation of Motor and Pump Shaft couplings on shafts									
	and fastenings the bolts as per instruction of Engineer									
	incharge.	1.00	Job	10,175	P/Job	10,175.00	11000.00	11,000.00	11700.00	11,700.00
9	Scraping, brushing and removing Old paints from metal									
	surface.	1085.00	Sft	605	%Sft	6,564.25	635.00	6,889.75	647.00	7,019.95
10.	Painting Guards bars, gate, iron bars, grating, railing including.									
(i).	Standard braces (etc) and similar open work.									
	1st. Coat.	1085.00	Sft	371.80	%Sft	4,034.03	390.00	4,231.50	400.00	4,340.00
(ii).	2 <sup>nd</sup> Coat.	1085.00	Sft	302.80	%Sft	3,285.38	318.00	3,450.30	321.00	3,482.85
(iii).	3 <sup>rd</sup> . Coast	1085.00	Sft	302.80	%Sft	3,285.38	318.00	3,450.30	319.00	3,461.15
11	Transportation, Loading & Un-loading charges from Dhabeji									
	Pump House to Karachi & back Karachi to Dhabeji Pump									
	House.	1.00 Job		15,000	P/Job	15,000.00	17000.00	17,000.00	17250.00	17,250.00
	TOTAL QUOTED CORRECTED COST					1,109,822		1,271,522		1,276,293

(Muhammad Hanif) D.A.O (P&F)-I Circle Member / Secretary

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

(Maqsood Ahmed Shaikh) Superintending Engineer (KMC) Member

(Intekhab Ahmed Rajput) S.E (P&F)-V

Member

(Saleem Ahmed) Director (Design & Estimate)

# **ATTENDANCE SHEET**

# NAME OF WORK:-

# NAME OF WORK SERVICING / OVERHAULING OF 11 KV, 1050 KW, 69AMPS. AEG ELECTRIC STANDBY MOTOR OF 3<sup>RD</sup>.PHASE PUMP HOUSE, DHABEJI.

Venue:

The Director (Design & Estimate), KW&SB, Gulshan-e-Iqbal Block-18,

Karachi.

Date:

03-05-2017 at 2:30 PM

#### CONTRACTORS / FIRMS / BIDDERS

S.No	Name of Firms / Bidders	Contact No.	Signature
1-	ALHANNAN BUILDERS	0321-2828448	Mannon
2	ALHANNAN BUILDERS H. R. Blothers		8 Jan 8
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### NIT No.SPPRA Serial No.32659

Method and procedure of procurement: Open Competitive Bidding (National/ International Competitive Bidding) (Single Stage-One Envelope)

Description of work: REPAIR / REBUILDING & CORROSION PROTECTIVE

COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD WEIR PUMP SET 'D' AT K-2 PUMP

HOUSE, DHABEJI.

Date of Opening:

03-05-2017

#### BIDDERS' ELIGIBILITY/ QUALIFICATION REPORT

Eligibility/ Qualification Criteria:

		Bidde	rs' Name
S. No.	Eligibility / Qualification Criteria	M/s.Khyber Builders	M/s.Noor Construction Co
1.	Registration with PEC (if applicable)	N/A	N/A
2.	NTN	Yes	Yes
3.	Sales Tax Registration (FBR)	N/A	N/A
4.	Registration with Sindh Revenue Board (SRB)	Yes	Yes
	Qualification Criteria:		
5.	Minimum three years experience of relevant field.	Yes	Yes
6.	Turnover of at least last three years	Yes	Yes
7.	Required Bid Security is attached.	Yes	Yes
8.	Bid is signed, named and stamped by the authorized person of the firm along with Authorization letter.	Yes	Yes
9.	Any other factor deemed to be relevant by the procuring agency subject to provision of Rule-44	N/A	N/A
10.	Qualified/ disqualified	Qualified	Qualified

(Muhammad Hanif) D.A.O (P&F)-I Circle

Member / Secretary

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

(Magsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Intekhab Ahmed Rajput)

S.E (P&F)-I Member

(Saleem Ahmed) Director (Design & Estimate)

#### NIT Sr. No. SPPRA Serial No.32659

#### Method of Procurement: Single Stage Single Envelope.

Name of Work: REPAIR / REBUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD WEIR PUMP SET 'D' AT K-2 PUMP HOUSE, DHABEJI.

#### MINUTES OF BID OPENING MEETING.

A meeting of the procurement committee of this department was held on 03-05-2017 for opening the bids received in respect of subject NIT till deadlines of submission. The meeting was attended by all / following members of the procurement committee and the representative of bidders. (Attendance sheet is enclosed).

- Two bidders submitted their bids till the deadline of submission. 2.
  - M/s. Khyber Builders i.
  - ii. M/s. Noor Construction Co.
- 3. The bids were opened at 2:30 P.M in the presence of the above mentioned participants and the rates quoted by bidders were read aloud and encircled by Chairman of the Procurement Committee.

S. No	Name of Firm	Quoted Price	Amount of Bid Security	Pay Order No. / Date
1 .	M/s.Khyber Builders	Rs.24,94,410/-	Rs.53,400/-	P.O # 02384320 revalidate on 26-04-2017 from Bank Al Habib Ltd. Saadi Town Branch Karachi
4.	M/s.Noor Construction Co.	Rs.27,33,600/-	Rs.55,140/-	P.O#02677629 Rs.22,400/-& P.O#02384323 revalidate on 26-04-2017 Rs.28,200/- & P.O#03313619 dt:05-04-2017 Rs.2,000/- from Bank Al Habib Ltd. Saadi Town Branch & P.O # 03571077 dt: 24-04-2017 Rs.2,500/- from Bank Al Habib Ltd. Al-Hilal Co-Op Housing Society Branch Karachi

- 4. The bids do not contain any cutting or over-writing.
- The committee shall examine all the bids as per the qualification / eligibility criteria 5. provided in the bidding document and verify the documents and bid security submitted by the bidders (if required).

The meeting ended with the vote of thanks to and from the chair. 6.

(Muhammad Hanif)

D.A.O (P&F)-I Circle

Member / Secretary

Ahmed Rajput) (Intekhab

S.E (R&F)-I Member

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

(Magsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

Director (Design & Estimate)



### KARACHI WATER & SEWERAGE BOARD

#### OFFICE OF THE DIRECTOR (DESIGN & ESTIMATE)

#### **BID EVALUATION REPORT**

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	1	Name of Procuring Agency:	KARACHI WATER & SEWERAGE BOARD
	2	Tender Reference No:	KWSB/DPR/2017/48 published in daily "Dawn" "Jahan-e-
			Pakistan" and daily "Sobh" dt: 08-04-2017.
			SPPRA Serial No.32659 I.D No
	3	Tender Description/Name of	REPAIR / REBUILDING & CORROSION PROTECTIVE
		Work/Item:	COATING OF DOUBLE ENTRY IMPELLER & PUMP
			CASING OF 35 MGD WEIR PUMP SET 'D' AT K-2 PUMP HOUSE, DHABEJI.
$\vdash$	4	Method of Procurement:	Single Stage (One Envelop)
		HEROTE TO SECURE A SECURE OF THE SECURE OF T	
	5	Tender Published:	Through Press & SPPRA Web Site
-	6	Total Bid Documents Sold:	02 Nos
	7	Total Bid Received:	<u>02 Nos</u>
	8	Technical Bid Opening Date	N/A
		(if applicable):	
	9	No. of Bid Technically	N/A
		Qualified (if applicable)	
	10	Bid (s) Rejected:	NIL
-	1.1		03-05-2017
	11	Financial Bid Opening Date:	03-03-2017

#### 12 BID EVALUATION REPORT

S#	Name of Firm / Bidder	COST OFFERED BY THE BIDDER	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE / REJECTION	REMARKS
1.	M/s.Khyber Builders	Rs.24,94,410/-	1 <sup>st</sup> Lowest	@9.500% Above	Pay Order and other documents are available. P.O # 02384320 revalidate on 26-04-2017 Rs.53,400/- from Bank Al Habib Ltd. Saadi Town Branch Karachi	Substantially Responsive
2.	M/s.Noor Construction Co.	Rs.27,33,600/-	2 <sup>nd</sup> Lowest	@20.000% Above	Pay Order and other documents are available. P.O#02677629 Rs.22,400/-& P.O#02384323 revalidate on 26-04-2017 Rs.28,200/- & P.O#03313619 dt:05-04-2017 Rs.2,000/- from Bank Al Habib Ltd. Saadi Town Branch & P.O#03571077 dt: 24-04-2017 Rs.2,500/- total Rs.55,140/-from Bank Al Habib Ltd. Al-Hilal Co-Op Housing Society Branch Karachi	Substantially Responsive

The all concerned bidders are being informed accordingly.

The R.E Concerned for compliance of Rule-45 of SPPRA 2010 M/s.Khyber Builders declared the lowest responsive bidders by the Committee and recommended for sanction from Competent Authority.

(Muhammad Hanif)

Member Secretary

(Intekhab Ahmed Rajput)

S.E (P&F)-I Member (Saif-ul-Haque) Additional Director Internal Audit – KMC Member (Maqsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Saleem Ahmed)

Director (Design & Estimate)

# **COMPARATIVE STATEMENT**

# Name of Work: REPAIR / REBUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD WEIR PUMP SET 'D' AT K-2 PUMP HOUSE, DHABEJI.

Item No	Description of Work	Estimated Cost				M/s.Khyber Builders		M/s.Noor Construction Co.		
140		Quan	itity	Rate	Per	Amount	Rate Amount		Rate	Amount
	Repairing / Rebuilding and Corrosion Protective coating of badly damaged & eroded Double entry Impeller of 35MGD Weir Pump with the following description and scope of work:-DESCRIPTION OF IMPELLER:-  • Outer dia = 920 mm  • Internal dia = 133 mm  • Total height = 410 mm  Double Entry Suction:-  • Suction dia = 505 mm  • Vanes size = 7" side (Upper and Lower surface eroded)  • Suction vanes = 8 + 8 = 16 Nos. (Both sides Upper & Lower)  • Discharge Vanes = 8 Nos. (Curve Shape).		v							
		1.00	Job	866,000	P/Job	866,000	948,270	948,270	1,039,200	1,039,200

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#### Name of Work: REPAIR / REBUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD WEIR PUMP SET 'D' AT K-2 PUMP HOUSE, DHABEJI.

Item No	Description of Work	Estimated Cost				M/s.Khyber Builders		M/s.Noor Construction Co.	
NO		Quantity	Rate	Per	Amount	Rate	Amount	Rate	Amount
2	Rebuilding and Protective coating of eroded & damaged portion								
	of 35 MGD Weir Pump Casing with the following scope of work:-						1 1		
	DESCRIPTION OF PUMP CASING:-								
	▶ Dislocated of Pump casing from the bed of bearing housing								
	► Badly eroded bush area.	l							
	► Badly eroded upper & lower portion of Impeller moving areas.								
	AREA:					1			
	► All damaged and eroded area to be repaired and coated with								
	the Belzona materials.								
	► Fabrication and reforming of bed of bearing housing								
	► Reforming of Flange face.				,				
	► Reinforcement of Dislocated areas after repairing.								
	SELECTED BELZONA PRODUCTS FRO APPLICATIONS:				4				
	Belzona 1341 food grade approved for drinking water.								
	2. Belzona 1311 Ceramic R-Metal				1.				
	3. Belzona 2141 ACR Fluid Elastomer (Cabitations Resistant								
	Elastomeric Coating)								
	4. Belzona 2191 surface conditioner for elastomeric coating.								
	5. Belzona 9111 NF-Cleaner.				1		1 1		
	6. Belzona 9411 Release Agent								
	7. Belzona 9341 reinforcement Tape.								
	8. Metallic Format.						1		
	Scope of work:-				· ·				
	(a). Surface preparation with grit blasting as per SA 1½ standard.								
	(b). Decontamination of blasted surface with Belzona 9111NF.								
	(c). Re-Building both sides of 16 Nos. badly damaged surface of								
	double entry impellers vanes (Inlet and out let) with Belzona								
	1311.								

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# Name of Work: REPAIR / REBUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD WEIR PUMP SET 'D' AT K-2 PUMP HOUSE, DHABEJI.

Item No	Description of Work			Estimated	Cost		M/s.Khyb	er Builders	M/s. Construc	Noor ction Co.
140		Quan	tity	Rate	Per	Amount	Rate	Amount	Rate	Amount
	<ul> <li>(d). Re-building both sides of 16Nos. badly damaged surface of double entry impeller discharge suction vanes with Belzona 1311.</li> <li>(e). Repairing of all cavities inside of discharge and suction Outlet and Inlet vanes with Belzona 2141.</li> <li>(f).Apple Belzona 2191 surface conditioner before application of Belzona 2141.</li> <li>(g). Reinforcement of created portions of dislocated impeller vanes with Belzona 1311 &amp; Belzona 9341 reinforcement.</li> <li>(h). Fabrication and repairing of dislocated Portion of bed of bearing housing of pump casing.</li> <li>(i). Repairing of eroded bushing area.</li> <li>(j). Repairing of upper and lower Impeller moving areas.</li> <li>(k).Grinding work and machining work.</li> <li>(l).Corrosion protective ceramic Belzona 1341 coating on the resurface area of the Impeller and pump casing.</li> <li>m).Cavitations resistant Belzona 2141 elastomeric coating on the highly impact zone.</li> <li>n).Apply a thin layer of Belzona 9411 where Belzona material should not Adhere during application.</li> <li>o).Mechanical parts replacement and supplies are not in our scope of work.</li> </ul>		tity	Rate	Per	Amount	Rate	Amount	Rate	Amount
		1.00	Job	1,412,000	P/Job	1,412,000	1,546,140	1,546,140	1,694,400	1,694,400
	TOTAL QUOTED / CORRECTED COST			, , , , , , , , , , , , , , , , , , , ,		2,278,000	45 545 55	2,494,410	-,,	2,733,600

(Muhammad Hanif) D.A.O (P&F)-I Circle Member / Secretary

(Saif-ul-Haque) Additional Director Internal Audit – KMC Member (Maqsood Ahmed Shaikh) Superintending Engineer (KMC) Member

(Intekhab Ahmed Rajput) S.E (R&F) I

Member

(Saleem Ahmed) / Director (Design & Estimate)

### ATTENDANCE SHEET

### NAME OF WORK:-

#### NAME OF WORK

REPAIR / REBUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35MGD WEIR PUMP SET 'D' AT K-2 PUMP HOUSE, DHABEJI.

Venue:

The Director (Design & Estimate), KW&SB, Gulshan-e-Iqbal Block-18,

Karachi.

Date:

03-05-2017 at 2:30 PM

#### CONTRACTORS / FIRMS / BIDDERS

S.No	Name of Firms / Bidders	Contact No.	Signature
	Mr. Noor Const. Co. M/S. KHYBER BUILDER	0321-2361464	NOORKlan 3KHAN
2	MYS. KHYBER BUILDAR	s. 0300 215/213	9
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#### NIT No.SPPRA Serial No.32659

Method and procedure of procurement: Open Competitive Bidding (National/ International Competitive Bidding) (Single Stage-One Envelope)

Description of work: REPLACEMENT OF BEARING NO.7328 BCBM & 6330 MC/-

3 WITH ALLIED SERVICES OF H.T. 6.6 KV, 1050 KW, AEG ELECTRIC MOTOR NO.2 OF 2ND. PHASE PUMP HOUSE,

DHABEJI.

Date of Opening:

03-05-2017

#### BIDDERS' ELIGIBILITY/ QUALIFICATION REPORT

Eligibility/ Qualification Criteria:

		Bidders' Name			
S. No.	Eligibility / Qualification Criteria	M/s.Aarm Construction	M/s.H.R. Brothers		
1.	Registration with PEC (if applicable)	N/A	N/A		
2.	NTN	Yes	Yes		
3.	Sales Tax Registration (FBR)	N/A	N/A		
4.	Registration with Sindh Revenue Board (SRB)	Yes	Yes		
	Qualification Criteria:				
5.	Minimum three years experience of relevant field.	Yes	Yes		
6.	Turnover of at least last three years	Yes	Yes		
7.	Required Bid Security is attached.	Yes	Yes		
8.	Bid is signed, named and stamped by the authorized person of the firm along with Authorization letter.	Yes	Yes		
9.	Any other factor deemed to be relevant by the procuring agency subject to provision of Rule-44	N/A	N/A		
10.	Qualified/ disqualified	Qualified	Qualified		

(Muhammad Hanif) D.A.O (P&F)-I Circle Member / Secretary (Saif-ul-Haque)
Additional Director Internal
Audit – KMC Member

(Maqsood/Ahmed Shaikh) Superintending Engineer (KMC) Member

(Intekhab Ahmed Rajput)

S.E (P&F)-I Member (Saleem Ahmed) Director (Design & Estimate)

#### NIT Sr. No. SPPRA Serial No.32659

Method of Procurement: Single Stage Single Envelope.

Name of Work: REPLACEMENT OF BEARING NO.7328 BCBM & 6330 MC/-3
WITH ALLIED SERVICES OF H.T. 6.6 KV, 1050 KW, AEG
ELECTRIC MOTOR NO.2 OF 2ND. PHASE PUMP HOUSE,
DHABEJI.

#### MINUTES OF BID OPENING MEETING.

A meeting of the procurement committee of this department was held on 03-05-2017 for opening the bids received in respect of subject NIT till deadlines of submission. The meeting was attended by all / following members of the procurement committee and the representative of bidders. (Attendance sheet is enclosed).

- 2. Two bidders submitted their bids till the deadline of submission.
  - i. M/s. Aarm Construction
  - ii. M/s. H.R Brothers
- The bids were opened at 2:30 P.M in the presence of the above mentioned participants and the rates quoted by bidders were read aloud and encircled by Chairman of the Procurement Committee.

S. No	Name of Firm	Quoted Price	Amount of Bid Security	Pay Order No. / Date
1.	M/s.Aarm Construction	Rs.13,41,700/-	Rs.27,400/-	P.O# 03314002 dt:20-02-2017 Rs.10,400/- & P.O# 02975585 dt:20-01-2017 Rs.17,000/- from Bank Al Habib Ltd. Malir Cnatt Branch Karachi
2.	M/s.H.R. Brothers	Rs.13,64,422/-	Rs.32,650/-	P.O # 17002730 dt:21-02-2017 from HBL Malir Cantt Branch Karachi

- 4. The bids do not contain any cutting or over-writing.
- 5. The committee shall examine all the bids as per the qualification / eligibility criteria provided in the bidding document and verify the documents and bid security submitted by the bidders (if required).

6. The meeting ended with the vote of thanks to and from the chair.

(Muhammad Hanif) D.A.O (P&F)-I Circle

Member / Secretary

(Saif-ul-Haque) Additional Director Internal Audit – KMC Member (Maqsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Intekhab Ahmed Rajput)

S.E (P&F)-I Member (Saleem/Ahmed)

Director (Design & Estimate)



# KARACHI WATER & SEWERAGE BOARD OFFICE OF THE DIRECTOR (DESIGN & ESTIMATE)

#### **BID EVALUATION REPORT**

1	Name of Procuring Agency:	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No:	KWSB/DPR/2017/48 published in daily "Dawn" "Jahan-e-
		Pakistan" and daily "Sobh" dt: 08-04-2017.
		SPPRA Serial No.32659 I.D No
3	Tender Description/Name of	REPLACEMENT OF BEARING NO.7328 BCBM &
	Work/Item:	6330 MC/-3 WITH ALLIED SERVICES OF H.T. 6.6
		KV, 1050 KW, AEG ELECTRIC MOTOR NO.2 OF
		2ND. PHASE PUMP HOUSE, DHABEJI.
4	Method of Procurement:	Single Stage (One Envelop)
5	Tender Published:	Through Press & SPPRA Web Site
6	Total Bid Documents Sold:	<u>02 Nos</u>
7	Total Bid Received:	<u>02 Nos</u>
8	Technical Bid Opening Date	N/A
	(if applicable):	
9	No. of Bid Technically	N/A
	Qualified (if applicable)	
10	Bid (s) Rejected:	NIL
11	Financial Bid Opening Date:	03-05-2017

#### 12 BID EVALUATION REPORT

S #	Name of Firm / Bidder	COST OFFERED BY THE BIDDER	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE / REJECTION	REMARKS
1.	M/s.Aarm Construction	Rs.13,41,700/-	1 <sup>st</sup> Lowest	@15.000% Above	Pay Order and other documents are available. P.O# 03314002 dt:20-02-2017 Rs.10,400/- & P.O# 02975585 dt:20-01-2017 Rs.17,000/- Total Rs.27,400/-from Bank Al Habib Ltd. Malir Cnatt Branch Karachi	Substantially Responsive
2.	M/s.H.R. Brothers	Rs.13,64,422/-	2 <sup>nd</sup> Lowest	@16.947% Above	Pay Order and other documents are available. P.O # 17002730 dt:21-02- 2017 Rs.32,650/-from HBL Malir Cantt Branch Karachi	Substantially Responsive

The all concerned bidders are being informed accordingly.

The R.E Concerned for compliance of Rule-45 of SPPRA 2010 M/s.Aarm Construction declared the lowest responsive bidders by the Committee and recommended for sanction from Competent Authority.

(Muhammad Hanif)

D.A.O (P&F)-I Circle

Member / Secretary

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

(Maqsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Intekhab Ahmed Rajput)

S.E (P&F)-I Member (Saleem Ahmed)'
Director (Design & Estimate)

### **COMPARATIVE STATEMENT**

Name of Work: REPLACEMENT OF BEARING NO.7328 BCBM & 6330 MC/-3 WITH ALLIED SERVICES OF H.T. 6.6 KV, 1050 KW, AEG ELECTRIC MOTOR NO.2 OF 2ND. PHASE PUMP HOUSE, DHABEJI.

Item No	Description of Work	Estimated Cost				M/s.Aarm Construction		M/s.H.R Brothers		
140			Quantity		Per	Amount	Rate	Amount	Rate	Amount
1	Providing & Fixing of Bearing No.6330 M/C-3 in SKF Brand									
	with the following details of Services:-	1.00	Job	162,000	P/Job	162,000.00	186300.00	186,300.00	190000.00	190,000.00
	(1). Vibration Analysis Service Fee.	1.00	Job	65,000	P/Job	65,000.00	74750.00	74,750.00	75497.00	75,497.00
	(2).Dynamic Balancing Service Fee	1.00	Job	78,000	P/Job	78,000.00	89700.00	89,700.00	90000.00	90,000.00
	(3).Service Fee for Laser alignment / checking	1.00	Job	75,000	P/Job	75,000.00	86250.00	86,250.00	88837.00	88,837.00
	(4).Service Fee for Bearing Mounting / dis-mounting.	1.00 J		35,000	P/Job	35,000.00	40250.00	40,250.00	41500.00	41,500.00
	(5). Transportation charges of all equipments loading / un-									
	loading.		Job	35,000	P/Job	35,000.00	40250.00	40,250.00	40650.00	40,650.00
	(6).Weight / Shims / Lubricants of SKF charges.	1.00	Job	19,600	P/Job	19,600.00	22540.00	22,540.00	22990.00	22,990.00
	(7).Up & Down of SKF Certified Engineers.	1.00	Job	18,000	P/Job	18,000.00	20700.00	20,700.00	21520.00	21,520.00
2	Providing & Fixing of Bearing No.7328 BCBM in SKF Brand									
	with the following details of Services:-	1.00	Job	239,500	P/Job	239,500.00	275420.00	275,420.00	280928.00	280,928.00
	(1).Vibration Analysis Service Fee.	1.00	Job	65,000	P/Job	65,000.00	74750.00	74,750.00	75000.00	75,000.00
	(2).Dynamic Balancing Service Fee	1.00	Job	145,000	P/Job	145,000.00	166750.00	166,750.00	170000.00	170,000.00
	(3).Service Fee for Laser alignment / checking	1.00	Job	92,000	P/Job	92,000.00	105800.00	105,800.00	110000.00	110,000.00
	(4).Service Fee for Bearing Mounting / dis-mounting.	1.00	Job	78,000	P/Job	78,000.00	89700.00	89,700.00	90000.00	90,000.00
	(5). Weight / Shims / Lubricants of SKF charges.	1.00	Job	23,600	P/Job	23,600.00	27140.00	27,140.00	30000.00	30,000.00
	(6).Up & Down of SKF Certified Engineers.	1.00	Job	36,000	P/Job	36,000.00	41400.00	41,400.00	37500.00	37,500.00
	TOTAL QUOTED / CORRECTED COST					1,166,700		1,341,700		1,364,422

(Muhammad Hanif) D.A.O (P&F)-I Circle

Member / Secretary

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

(Maqsood Ahmed Shaikh) Superintending Engineer (KMC) Member

(Intekhab Ahmed Rajput) S.E (P&F)-I

Member

(Saleem/Ahmed)

Director (Design & Estimate) Convener

### **ATTENDANCE SHEET**

#### NAME OF WORK:-

#### NAME OF WORK

REPLACEMENT OF BEARING NO.7328 BCBM & 6330 MC/-3 WITH ALLIED SERVICES OF H.T. 6.6 KV, 1050 KW, AEG ELECTRIC MOTOR NO.2 OF 2<sup>ND</sup>. PHASE PUMP HOUSE, DHABEJI.

Venue:

The Director (Design & Estimate), KW&SB, Gulshan-e-Iqbal Block-18,

Karachi.

Date:

03-05-2017 at 2:30 PM

#### CONTRACTORS / FIRMS / BIDDERS

S.No	Name of Firms / Bidders	Contact No.	Signature
(	H.R. Brothers		Bull Mark
2	H.R. Brothers AARM LONGTRUCTION	0321-2279112	falmonali
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#### NIT No.SPPRA Serial No.32659

Method and procedure of procurement: Open Competitive Bidding (National/ International Competitive Bidding) (Single Stage-One Envelope)

Description of work: REPAIR / RECONDITIONING AND MAINTENANCE OF

DELIVERY VALVE 1000 MM DIA PUMP SET 'A' AT K-2

PUMP HOUSE, DHABEJI.

Date of Opening:

03-05-2017

#### BIDDERS' ELIGIBILITY/ QUALIFICATION REPORT

Eligibility/ Qualification Criteria:

		Bide	ders' Name
S. No.	Eligibility / Qualification Criteria	M/s.Arham Enterprises	M/s.Al-Rehman Const. & Contractor
1.	Registration with PEC (if applicable)	N/A	N/A
2.	NTN	Yes	Yes
3.	Sales Tax Registration (FBR)	N/A	N/A
4.	Registration with Sindh Revenue Board (SRB)	Yes	Yes
	Qualification Criteria:		
5.	Minimum three years experience of relevant field.	Yes	Yes
6.	Turnover of at least last three years	Yes	Yes
7.	Required Bid Security is attached.	Yes	Yes
8.	Bid is signed, named and stamped by the authorized person of the firm along with Authorization letter.	Yes	Yes
9.	Any other factor deemed to be relevant by the procuring agency subject to provision of Rule-44	N/A	N/A
10.	Qualified/ disqualified	Qualified	Qualified

(Muhammad Hanif) D.A.O (P&F)-I Circle Member / Secretary

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

(Magsood Ahmed Shaikh) Superintending Engineer (KMC) Member

(Intekhab Ahmed Rajput) S.E (P&F)-I

Member

Director (Design & Estimate)

#### NIT Sr. No. SPPRA Serial No.32659

Method of Procurement: Single Stage Single Envelope.

Name of Work: REPAIR / RECONDITIONING AND MAINTENANCE OF DELIVERY VALVE 1000 MM DIA PUMP SET 'A' AT K-2 PUMP HOUSE, DHABEJI.

#### MINUTES OF BID OPENING MEETING.

A meeting of the procurement committee of this department was held on 03-05-2017 for opening the bids received in respect of subject NIT till deadlines of submission. The meeting was attended by all / following members of the procurement committee and the representative of bidders. (Attendance sheet is enclosed).

- Two bidders submitted their bids till the deadline of submission. 2.
  - i. M/s. Arham Enterprises
  - M/s. Al-Rehman Construction & Contractor ii.
- The bids were opened at 2:30 P.M in the presence of the above mentioned participants 3. and the rates quoted by bidders were read aloud and encircled by Chairman of the Procurement Committee.

S. No	Name of Firm	Quoted Price	Amount of Bid Security	Pay Order No. / Date
1.	M/s.Arham Enterprises	Rs.23,77,299/-	Rs.48,000/-	P.O # 18031274 dt:02-05-2017 from HBL Sindh Secretariat Branch Karachi
	M/s.Al-Rehman Construction & Contractor	Rs.23,98,002/-	Rs.48,500/-	P.O # 13427517 dt:02-05-2017 from UBL Shaheed-e-Millat Road Branch Karachi

- The bids do not contain any cutting or over-writing. 4.
- The committee shall examine all the bids as per the qualification / eligibility criteria 5. provided in the bidding document and verify the documents and bid security submitted by the bidders (if required).

The meeting ended with the vote of thanks to and from the chair. 6.

> (Muhammad Hanif) D.A.O (P&F)-I Circle

Member / Secretary

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

(Magsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Intekhab Ahmed/Rajput)

S.E (P&F)-I

Member

(Saleem Ahmed Director (Design & Estimate)



# KARACHI WATER & SEWERAGE BOARD OFFICE OF THE DIRECTOR (DESIGN & ESTIMATE)

#### **BID EVALUATION REPORT**

1	Name of Procuring Agency:	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No:	KWSB/DPR/2017/48 published in daily "Dawn" "Jahan-e-
		Pakistan" and daily "Sobh" dt: 08-04-2017.
		SPPRA Serial No.32659 I.D No
3	Tender Description/Name of	REPAIR / RECONDITIONING AND MAINTENANCE
	Work/Item:	OF DELIVERY VALVE 1000 MM DIA PUMP SET 'A'
		AT K-2 PUMP HOUSE, DHABEJI.
4	Method of Procurement:	Single Stage (One Envelop)
5	Tender Published:	Through Press & SPPRA Web Site
6	Total Bid Documents Sold:	<u>02 Nos</u>
7	Total Bid Received:	<u>02 Nos</u>
8	Technical Bid Opening Date	N/A
	(if applicable):	34
9	No. of Bid Technically	N/A
	Qualified (if applicable)	
10	Bid (s) Rejected:	NIL
11	Financial Bid Opening Date:	03-05-2017

#### 12 **BID EVALUATION REPORT**

S #	Name of Firm / Bidder	COST OFFERED BY THE BIDDER	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE / REJECTION	REMARKS
1.	M/s.Arham Enterprises	Rs.23,77,052/-	1 <sup>st</sup> Lowest	@14.984% Above	Pay Order and other documents are available. P.O # 18031274 dt:02- 05-2017 Rs.48,000/- from HBL Sindh Secretariat Branch Karachi	Substantially Responsive
2.	M/s.Al- Rehman Construction & Contractor	Rs.23,98,002/-	2 <sup>nd</sup> Lowest	@15.998% Above	Pay Order and other documents are available. P.O # 13427517 dt:02- 05-2017 Rs.48,500/- from UBL Shaheed-e-Millat Road Branch Karachi	Substantially Responsive

The all concerned bidders are being informed accordingly.

The R.E Concerned for compliance of Rule-45 of SPPRA 2010 M/s.Arham Enterprises declared the lowest responsive bidders by the Committee and recommended for sanction from Competent Authority.

(Muhammad Hanif) D.A.O (P&F)-I Circle

Member / Secretary

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

(Magsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Intekhab Ahmed Rajput)

S.E (P&F)-I Member

Director (Design & Estimate)

# **COMPARATIVE STATEMENT**

# Name of Work: REPAIR / RECONDITIONING AND MAINTENANCE OF DELIVERY VALVE 1000 MM DIA PUMP SET 'A' AT K-2 PUMP HOUSE, DHABEJI.

Item No	Description of Work			Estimated	Cost		M/s.Arham Enterprises		M/s.Al-Rehman Const. & Contractor	
140			tity	Rate	Per	Amount	Rate	Amount	Rate	Amount
1	Complete dismantling of Gear Box of Delivery Valve 1000mm dia Valve pin, Valve driver shaft and gear shaft, shutter disc, valve body by method of Hydraulic puller and oxygen acetylene flame as per instruction of E/ in charge.	1.00	Job	25,550	P/Job	25,550.00	29,380	29,380.00	29,638	29,638.00
2	Repair & Re-conditioning of Delivery Valve body 1000mm dia by method of re-filling Cast iron X-Ray welding both side of valve body i/c outer neck and making line bore in internal side of hole having finished size 118mm and length 178mm as per instruction of E / I	2.00	Jobs	220,700	P/Job	441,400.00	253,805	507,610.00	256,012	512,024.00
3	Local Mfg. of Delivery Valve body bush from solid floro carbon PTFE Imported UK Shaft size 127mm i/c machining form Outer dia 118mm Inner dia 110mm and length 305mm i/c fixing the bush on valve body by hydraulic pressure machine as per instruction of E/I	2.00	Jobs	68,032	P/Job	136,064.00	78,235	156,470.00	78,900	157,800.00
4	Repair & Reconditioning of Delivery Shutters valve disc 1000mm dia complete front and back side by method of sand blasting process i/c making "V" Shape thread at disc corner for fixing the disc seating ring having dia 1250mm length 50mm with Special disc holding attachment for making anticorrosion Sea paint with side of disc two coats as per instruction of the E/ in charge.	1.00	Job	277,400	P/Job	277,400.00	319,010	319,010.00	321,784	321,784.00
5	Local Mfg. of Delivery Valve 1000mm dia Gear shaft from 127mm stainless steel shaft length 870mm i/c machining at valve disc side 110mm, length 432mm i/c making collar dia 115mm and length 115mm and other side gear box shaft dia 110mm length 175mm and making gear shaft size OD=90mm, length 115mm i/c making key slot having size 63mm, length 25mm width and depth 8mm as per instruction of the Engineer in charge.	1.00	Job	97,980	P/Joh	97,980.00	112,677	112,677.00	113,650	113,650.00

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# Name of Work: REPAIR / RECONDITIONING AND MAINTENANCE OF DELIVERY VALVE 1000 MM DIA PUMP SET 'A' AT K-2 PUMP HOUSE, DHABEJI.

Item No	Description of Work			Estimated	l Cost			Arham erprises		l-Rehman Contractor
110	(g)	Quan	tity	Rate	Per	Amount	Rate	Amount	Rate	Amount
	Local Mfg. of Delivery Valve drive shaft from 127mm S.S. Solid shaft precise OD=110mm machining and length 762mm i/.c making under cut depth 110mm and width 12mm from shaft corner side distance 25mm i/c making slot at both side shaft as Sq. shaft size 40mm each side for griping the lock pin as per instruction of the Engineer in charge.									
		1.00	Job	84,027	P/Job	84,027.00	96,360	96,360.00	97,470	97,470.00
	P/F of Shutter disc Seat from phosphorus bronze metal by casting in 'V' Shape having finishing size OD=1225mm, ID-1210mm, width 50mm i/c making 'V' shape thread in side the seat length 50mm as per instruction of the E/I	1.00	Job	275,750	P/Job	275,750.00	317,112	317,112.00	319,870	
	P/F of Valve body seat from phosphor bronze metal by casting in 'V' shape having finished size OD= 1250mm seat taper machining size 30mm and ID=1185mm width 100mm i/c 'V' Shape thread for fixing the seat on Valve body as per instruction of the E/in charge.	1.00	Job	206,383	P/Job	206,383.00	237,340	237,340.00	239,404	239,404.00
	Local Mfg. & Fixing of Disc pin from S.S Solid Shaft having dia 50mm dia and length 80mm and process machining OD=35mm and length 203mm i/c making collar head of pin dia 50mm and width 10mm i/c fixing the pin for gripping the drive shaft and gear shaft by press fit by hydraulic press i/c machining as per instruction of the Engineer in charge.	4.00	Nos	9,038		36,152.00	10,390	41,560.00	10,484	41,936.00
10	Local Mfg. of Rubber seal for shutter disc valve from natural rubber (Food grade) without impurity maximum pressure 25bar OD= of seal 953mm I.D.=838mm collar dia 909mm width at corner 25mm and from collar width as per instruction of the Engineer in charge.	1.00	No	195,200	Each	195,200.00	224,480	224,480.00	226,432	226,432.00

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# Name of Work: REPAIR / RECONDITIONING AND MAINTENANCE OF DELIVERY VALVE 1000 MM DIA PUMP SET 'A' AT K-2 PUMP HOUSE, DHABEJI.

Item				Estimated	Cost		M/s.Arham		M/s.Al-Rehman	
No	Description of Work						Enterprises		Const. & Contractor	
1.0	•	Quan	tity	Rate	Per	Amount	Rate	Amount	Rate	Amount
11	Local Mfg. of Rubber seal grip ring from casting high carbon									
	steel and precise machining having OD = 909mm and ID =									
	838mm width 15mm i/c making 34Nos. holes having size									
	10mm dia each and equal distance i/c fixing the Rubber seal									
	bolts size 10mm dia and length 38mm as per instruction of the									
	E/I	1.00	Nos	143,800	Each	143,800.00	165,370	165,370.00	166,808	166,808.00
12	Supply & fixing of different size Stainless Steel Stud, Nuts &									
	Bolts.	76.00	Kgs	725	P/Kg	55,100.00	833	63,308.00	841	63,916.00
13	Providing and fixing of Oil paper.	4.00	Mtrs	2,500	P/Mtr	10,000.00	2,875	11,500.00	2,900	11,600.00
14	Assembling of unit after complete satisfactory repair valve disc									
	valve pin and valve body at proper place i/c application of									
	anticorrosion coating and Sea paint as per instruction of the									
	Engineer in charge.	1.00	Job	62,480	P/Job	62,480.00	71,875	71,875.00	72,470	72,470.00
15	Loading & un-loading i/c transportation charges from Dhabeji									
	to Karachi and Karachi to Dhabeji.	1.00	Job	20,000	P/Job	20,000.00	23,000	23,000.00	23,200	23,200.00
	TOTAL QUOTED / CORRECTED COST					2,067,286		2,377,052		2,398,002

(Muhammad Hanif) D.A.O (P&F)-I Circle Member / Secretary (Saif-ul-Naque) Additional Director Internal Audit – KMC Member (Maqsopd Ahmed Shaikh) Superintending Engineer (KMC) Member

(Intekhab Ahmed Rajput)

S.E (P&F)-I Member (Saleem Alimed) / 7
Director (Design & Estimate)

### ATTENDANCE SHEET

#### NAME OF WORK:-

#### NAME OF WORK

REPAIR / RECONDITIONING AND MAINTENANCE OF DELIVERY VALVE 1000 MM DIA PUMP SET 'A' AT K-2 PUMP HOUSE, DHABEJI.

Venue:

The Director (Design & Estimate), KW&SB, Gulshan-e-Iqbal Block-18,

Karachi.

Date:

03-05-2017 at 2:30 PM

#### **CONTRACTORS / FIRMS / BIDDERS**

S.No	Name of Firms / Bidders	Contact No.	Signature
	*		out
2)	AL Rehman Cont. I cot Anham Enterprises	133) 940004	usder
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#### NIT No.SPPRA Serial No.32659

Method and procedure of procurement: Open Competitive Bidding (National/ International Competitive Bidding) (Single Stage-One Envelope)

Description of work: PROVIDING / FIXING BEARING NO.7324 BCBM, 6324 M/C-3

FOR MODIFIED PUMP SET 'D' ALONG WITH SERVICES AT K-2

PUMP HOUSE, DHABEJI.

Date of Opening:

03-05-2017

#### BIDDERS' ELIGIBILITY/ QUALIFICATION REPORT

Eligibility/ Qualification Criteria:

		Bidders' Name				
S. No.	Eligibility / Qualification Criteria	M/s.Al-Rehman Const. & Contractor	M/s.Arham Enterprises			
1.	Registration with PEC (if applicable)	N/A	N/A			
2.	NTN	Yes	Yes			
3.	Sales Tax Registration (FBR)	N/A	N/A			
4.	Registration with Sindh Revenue Board (SRB)	Yes	Yes			
	Qualification Criteria:					
5.	Minimum three years experience of relevant field.	Yes	Yes			
6.	Turnover of at least last three years	Yes	Yes			
7.	Required Bid Security is attached.	Yes	Yes			
8.	Bid is signed, named and stamped by the authorized person of the firm along with Authorization letter.	Yes	Yes			
9.	Any other factor deemed to be relevant by the procuring agency subject to provision of Rule-44	N/A	N/A			
10.	Qualified/ disqualified	Qualified	Qualified			

(Muhammad Hanif) D.A.O (P&F)-I Circle Member / Secretary

(Intekhab Ahmed Rajput) S.E (P&F)-I

Member

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

(Maqsood Ahmed Shaikh) Superintending Engineer (KMC) Member

(Saleem Ahmed)

Director (Design & Estimate)

#### NIT Sr. No. SPPRA Serial No.32659

Method of Procurement: Single Stage Single Envelope.

Name of Work: PROVIDING / FIXING BEARING NO.7324 BCBM, 6324 M/C-3 FOR MODIFIED PUMP SET 'D' ALONG WITH SERVICES AT K-2 PUMP HOUSE, DHABEJI.

#### MINUTES OF BID OPENING MEETING.

A meeting of the procurement committee of this department was held on 03-05-2017 for opening the bids received in respect of subject NIT till deadlines of submission. The meeting was attended by all / following members of the procurement committee and the representative of bidders. (Attendance sheet is enclosed).

- 2. Two bidders submitted their bids till the deadline of submission.
  - i. M/s. Al-Rehman Construction & Contractor
  - ii. M/s. Arham Enterprises
- The bids were opened at 2:30 P.M in the presence of the above mentioned participants and the rates quoted by bidders were read aloud and encircled by Chairman of the Procurement Committee.

S. No	Name of Firm	Quoted Price	Amount of Bid Security	Pay Order No. / Date
1.	M/s.Al-Rehman Construction & Contractor	Rs.14,07,504/-	Rs.28,500/-	P.O # 13427516 dt:02-05-2017 from UBL Shaheed-e-Millat Road Branch Karachi
2.	M/s.Arham Enterprises	Rs.14,19,738/-	Rs.29,000/-	P.O # 18031271 dt:02-05-2017 from HBL Sindh Secretariat Branch Karachi

- 4. The bids do not contain any cutting or over-writing.
- 5. The committee shall examine all the bids as per the qualification / eligibility criteria provided in the bidding document and verify the documents and bid security submitted by the bidders (if required).

6. The meeting ended with the vote of thanks to and from the chair.

(Muhammad Hanif)

D.A.O (P&F)-I Circle Member \ Secretary

(Intekhab Ahmed Rajput)

S.E (P&F)-I Member (Saif-ul-Haque) Additional Director Internal

Audit - KMC Member

(Maqsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Saleem Ahmed)

Director (Design & Estimate)



# KARACHI WATER & SEWERAGE BOARD OFFICE OF THE DIRECTOR (DESIGN & ESTIMATE)

#### **BID EVALUATION REPORT**

1	Name of Procuring Agency:	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No:	KWSB/DPR/2017/48 published in daily "Dawn" "Jahan-e-Pakistan" and daily "Sobh" dt: 08-04-2017. SPPRA Serial No.32659 I.D No.
3	Tender Description/Name of Work/Item:	PROVIDING / FIXING BEARING NO.7324 BCBM, 6324 M/C-3 FOR MODIFIED PUMP SET 'D' ALONG WITH SERVICES AT K-2 PUMP HOUSE, DHABEJI.
4	Method of Procurement:	Single Stage (One Envelop)
5	Tender Published:	Through Press & SPPRA Web Site
6	Total Bid Documents Sold:	<u>02 Nos</u>
7	Total Bid Received:	<u>02 Nos</u>
8	Technical Bid Opening Date (if applicable):	<u>N/A</u>
9	No. of Bid Technically Qualified (if applicable)	<u>N/A</u>
10	Bid (s) Rejected:	NIL
11	Financial Bid Opening Date:	03-05-2017

#### 12 **BID EVALUATION REPORT**

S#	Name of Firm / Bidder	COST OFFERED BY THE BIDDER	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE / REJECTION	REMARKS
1.	M/s.Al- Rehman Construction & Contractor	Rs.14,07,504/-	1 <sup>st</sup> Lowest	@15.000% Above	Pay Order and other documents are available. P.O # 13427516 dt:02-05- 2017 Rs.28,500/-from UBL Shaheed- e-Millat Road Branch Karachi	Substantially Responsive
2.	M/s.Arham Enterprises	Rs.14,19,738/-	2 <sup>nd</sup> Lowest	@15.999% Above	Pay Order and other documents are available. P.O # 18031271 dt:02-05- 2017 Rs.29,000/-from HBL Sindh Secretariat Branch Karachi	Substantially Responsive

The all concerned bidders are being informed accordingly.

The R.E Concerned for compliance of Rule-45 of SPPRA 2010 M/s.Al-Rehman Construction & Contractor declared the lowest responsive bidders by the Committee and recommended for sanction from Competent Authority.

(Muhammad Hamf)

D.A.O (P&F)-I Circle

Member-Secretary

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

(Magsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Intekhab Almed Rajput)

S.E (P&F)-I Member

(Saleem Ahme Director (Design & Estimate)

#### **COMPARATIVE STATEMENT**

# Name of Work: PROVIDING / FIXING BEARING NO.7324 BCBM, 6324 M/C-3 FOR MODIFIED PUMP SET 'D' ALONG WITH SERVICES AT K-2 PUMP HOUSE, DHABEJI.

Item	Description of Work			Estimated	Cost			l-Rehman Contractor		Arham prises
No	entre de de la constante de la	Quan	Quantity		Per	Amount	Rate	Amount	Rate	Amount
1	Providing & Fixing of Bearing No.7324 BCBM, SKF									
	Brand or equivalent at Top side of Pump Shaft along with									
	following Services :-	2.00	Nos	146,800	Each	293,600.00	168,820	337,640.00	170,288	340,576.00
	Vibration Analysis Service Fee.	1.00	Job	45,000	P/Job	45,000.00	51,750	51,750.00	52,200	52,200.00
	Dynamic Balancing Service Fee	1.00	Job	56,000	P/Job	56,000.00	64,400	64,400.00	64,960	64,960.00
	Laser alignment / checking	1.00	Job	85,000	P/Job	85,000.00	97,750	97,750.00	98,600	98,600.00
	Bearing Mounting and dis-mounting by Digital Heater.	2.00	Jobs	35,000	P/Job	70,000.00	40,250	80,500.00	40,600	81,200.00
	Transportation charges.	1.00	Job	35,000	P/Job	35,000.00	40,250	40,250.00	40,600	40,600.00
	Weight / Shims / Lubricants of SKF charges.	1.00	Job	17,000	P/Job	17,000.00	19,550	19,550.00	19,720	19,720.00
	Up & Down of SKF Certified Engineer.	1.00	Job	36,000	P/Job	36,000.00	41,400	41,400.00	41,760	41,760.00
2	Providing & Fixing of Bearing No.6324 M/C-3, SKF									
	Brand or equivalent at Lower End of Pump Shaft along									
	with following Services:-	2.00	Nos	86,600	Each	173,200.00	99,590	199,180.00	100,456	200,912.00
	Vibration Analysis Service Fee.	1.00	Job	35,000	P/Job	35,000.00	40,250	40,250.00	40,600	40,600.00
	Dynamic Balancing Service Fee	1.00	Job	40,500	P/Job	40,500.00	46,575	46,575.00	46,980	46,980.00
	Laser alignment / checking	1.00	Job	29,382	P/Job	29,382.00	33,789	33,789.00	34,080	34,080.00
	Bearing Mounting and dis-mounting by Digital Heater.	2.00	Jobs	20,118	P/Job	40,236.00	23,135	46,270.00	23,335	46,670.00
	Weight / Shims / Lubricants of SKF charges.	1.00	Job	16,000	P/Job	16,000.00	18,400	18,400.00	18,560	18,560.00
	Up & Down of SKF Certified Engineer.	1.00	Job	18,000	P/Job	18,000.00	20,700	20,700.00	20,880	20,880.00
3	Grease LGHP 2/1, SKF Brand.	36.00	Kgs	6,500	P/Kg	234,000.00	7,475	269,100.00	7,540	271,440.00
	TOTAL QUOTED / CORRECTED COST					1,223,918		1,407,504		1,419,738

(Muhammad Hanif) D.A.O (P&F)-I Circle Member / Secretary (Saif-ul-Haque) Additional Director Internal Audit – KMC Member (Maqsood Ahmed Shaikh) Superintending Engineer (KMC) Member

(Intekhab Ahmed Rajput)

S.E (P&F)-I Member (Saleen/Ahmed) / Director (Design & Estimate)

### ATTENDANCE SHEET

#### NAME OF WORK:-

#### NAME OF WORK

PROVIDING / FIXING BEARING NO.7324 BCBM, 6324 M/C-3 FOR MODIFIED PUMP SET 'D' ALONG WITH SERVICES AT K-2 PUMP HOUSE, DHABEJI.

Venue:

The Director (Design & Estimate), KW&SB, Gulshan-e-Iqbal Block-18,

Karachi.

Date:

03-05-2017 at 2:30 PM

#### CONTRACTORS / FIRMS / BIDDERS

S.No	Name of Firms / Bidders	Contact No.	Signature
V	Antion Enterprises	0332940004	Vince
2	AL Rehman Cont. I cost do	03212888078	and
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#### NIT No.SPPRA Serial No.32659

Method and procedure of procurement: Open Competitive Bidding (National/ International Competitive Bidding) (Single Stage-One Envelope)

Description of work: RECONDITIONING OF COMPONENTS AND REPLACEMENT

OF BEARING OF MAN PUMP TYPE RSS-7 (SPL) NO.4 OF 2ND.

PHASE PUMP HOUSE, DHABEJI.

Date of Opening:

03-05-2017

#### BIDDERS' ELIGIBILITY/ QUALIFICATION REPORT

Eligibility/ Qualification Criteria:

		Bidders' Name				
S. No.	Eligibility / Qualification Criteria	M/s. Yasin Enterprises	M/s.Serena Enterprises			
1.	Registration with PEC (if applicable)	N/A	N/A			
2.	NTN	Yes	Yes			
3.	Sales Tax Registration (FBR)	N/A	N/A			
4.	Registration with Sindh Revenue Board (SRB)	Yes	Yes			
	Qualification Criteria:					
5.	Minimum three years experience of relevant field.	Yes	Yes			
6.	Turnover of at least last three years	Yes	Yes			
7.	Required Bid Security is attached.	Yes	Yes			
8.	Bid is signed, named and stamped by the authorized person of the firm along with Authorization letter.	Yes	Yes			
9.	Any other factor deemed to be relevant by the procuring agency subject to provision of Rule-44	N/A	N/A			
10.	Qualified/ disqualified	Qualified	Qualified			

(Muhammad Hanif) D.A.O (P&F)-I Circle Member / Secretary

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

(Maqsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Intekhab Ahmed Rajput)

S.E (P&F)-I Member (Saleer Ahmed)

Director (Design & Estimate)

#### NIT Sr. No. SPPRA Serial No.32659

Method of Procurement: Single Stage Single Envelope.

Name of Work: RECONDITIONING OF COMPONENTS AND REPLACEMENT OF BEARING OF MAN PUMP TYPE RSS-7 (SPL) NO.4 OF 2ND. PHASE PUMP HOUSE, DHABEJI.

#### MINUTES OF BID OPENING MEETING.

A meeting of the procurement committee of this department was held on 03-05-2017 for opening the bids received in respect of subject NIT till deadlines of submission. The meeting was attended by all / following members of the procurement committee and the representative of bidders. (Attendance sheet is enclosed).

- Two bidders submitted their bids till the deadline of submission. 2.
  - M/s. Yasin Enterprises i.
  - ii. M/s. Serena Enterprises
- The bids were opened at 2:30 P.M in the presence of the above mentioned participants 3. and the rates quoted by bidders were read aloud and encircled by Chairman of the Procurement Committee.

S. No	Name of Firm	Quoted Price	Amount of Bid Security	Pay Order No. / Date				
1.	M/s. Yasin Enterprises	Rs.11,99,990/-	Rs.24,000/-	P.O # 50616031 dt:28-04-2017 from Summit Bank Gulshan-e-Iqbal (2) Branch Karachi				
4.	M/s.Serena Enterprises	Rs.12,14,510/-	Rs.25,100/-	P.O#02749494 dt:02-05-2017 Rs.20,000/- & P.O#02567874 dt:21-12-2016 Rs.5,100/- from Bank Al Habib Ltd Gulshan Block-2 Branch Karachi				

- The bids do not contain any cutting or over-writing. 4.
- 5. The committee shall examine all the bids as per the qualification / eligibility criteria provided in the bidding document and verify the documents and bid security submitted by the bidders (if required).
- The meeting ended with the vote of thanks to and from the chair. 6.

(Muhammad Hanif)

D.A.O (P&F)-I Circle

Member / Secretary

(Saif-ul-Haque) Additional Director Internal

Audit - KMC Member

(Magsood Ahmed Shaikh) Superintending Engineer (KMC)

Member

(Intekhab Ahmed Rajput)

S.E (P&F)-I

Member

(Saleem) Director (Design & Estimate)



# KARACHI WATER & SEWERAGE BOARD OFFICE OF THE DIRECTOR (DESIGN & ESTIMATE) BID EVALUATION REPORT

1	Name of Procuring Agency:	KARACHI WATER & SEWERAGE BOARD
2	Tender Reference No:	KWSB/DPR/2017/48 published in daily "Dawn" "Jahan-e-
		Pakistan" and daily "Sobh" dt: 08-04-2017.
		SPPRA Serial No.32659 I.D No
3	Tender Description/Name of	
	Work/Item:	REPLACEMENT OF BEARING OF MAN PUMP TYPE
		RSS-7 (SPL) NO.4 OF 2ND. PHASE PUMP HOUSE,
		DHABEJI.
4	Method of Procurement:	Single Stage (One Envelop)
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5	Tender Published:	Through Press & SPPRA Web Site
6	Total Bid Documents Sold:	02 Nos
7	Total Bid Received:	<u>02 Nos</u>
8	Technical Bid Opening Date	N/A
0	(if applicable):	11/21
9	No. of Bid Technically	N/A
9	The state of the s	IN/A
	Qualified (if applicable)	
10	Bid (s) Rejected:	NIL
11	Financial Bid Opening Date:	03-05-2017
11	I manetar Did Opening Date.	00 00 2011

#### 12 BID EVALUATION REPORT

S#	Name of Firm / Bidder	COST OFFERED BY THE BIDDER	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE / REJECTION	REMARKS
1.	M/s.Yasin Enterprises	Rs.11,99,990/-	1 <sup>st</sup> Lowest	@14.589% Above	Pay Order and other documents are available. P.O # 50616031 dt:28-04- 2017 Rs.24,000/-from Summit Bank Gulshan-e-Iqbal (2) Branch Karachi	Substantially Responsive
۷.	M/s.Serena Enterprises	Rs.12,14,510/-	2 <sup>nd</sup> Lowest	@15.975% Above	Pay Order and other documents are available. P.O#02749494 dt:02-05-2017 Rs.20,000/-& P.O#02567874 dt:21-12-2016 Rs.5,100/- Total Rs.25,100/- from Bank Al Habib Ltd Gulshan Block-2 Branch Karachi	Substantially Responsive

The all concerned bidders are being informed accordingly.

The R.E Concerned for compliance of Rule-45 of SPPRA 2010 M/s.Yasin Enterprises declared the lowest responsive bidders by the Committee and recommended for sanction from Competent Authority.

(Muhammad Hanif) D.A.O (P&F)-I Circle

Member / Secretary

(Saif-ul-Haque) Additional Director Internal Audit – KMC Member (Maqsood Ahmed Shaikh)
Superintending Engineer (KMC)
Member

(Intekhab Ahmed Rajput)

S.E (P&F)-V Member Director (Design & Estimate)

# **COMPARATIVE STATEMENT**

# Name of Work: RECONDITIONING OF COMPONENTS AND REPLACEMENT OF BEARING OF MAN PUMP TYPE RSS-7 (SPL) NO.4 OF 2ND. PHASE PUMP HOUSE, DHABEJI.

			Limated	l Cost		M/s.Yasin Enterprises		M/s.Serena Enterprises	
	Quantity		Rate	Per	Amount	Rate	Amount	Rate	Amount
Disconnection of H.T. Electric connection, Heaters connection temperature, sensors and relays connection from Motor panel as per instruction of E/I.		Job	1,300	P/Job	1,300.00	1,490	1,490.00	1,900	1,900.00
instruction of E/I.	1.00	Job	2,800	P/Job	2,800.00	3,200	3,200.00	4,300	4,300.00
	1.00	Job	13,650	P/Job	13,650.00	15,600	15,600.00	16,700	16,700.00
Removal of Thrust Bearing and Non-reverse Ratchet mechanism from Pump Shaft and Pump head Bearing stool of MAN Pump type RRS-7 (Spl) as per instruction of Engineer incharge.		Job	9,075	P/Job	9,075.00	10,400	10,400.00	10,500	10,500.00
stool of MAN Pump type RRS-7 (Spl) with the help of Hydraulic puller		Job	14,300	P/Job	14,300.00	16,500	16,500.00	16,500	16,500.00
Top Cover of MAN Pump type RRS-7 (Spl) by de-bolting and pull out		Job	9,075	P/Job	9,075.00	10,400	10,400.00	11,000	11,000.00
removing the pitted deteriorated portions by machine tool operation and redressing the entire surface and damage vanes with great accuracy with suitable high class chromium steel welding process i/c machining and polishing to bring finished sizes OD=1300mm ID=980mm other OD=800mm Width of distributor 200mm. Inner collar width 23mm, Outer collar depth 25mm. redressing 10Nos. damaged vanes from outside length 350mm 2-sides end vane thickness 18mm length 490mm including fixing the distributor on Top Cover of Pump having with 10nos. high					·		·	,	296,000.00
	Dismantling and shifting of H.T. Motor from Motor Bed as per instruction of E/I.  Removal of Pump shaft pulley with the help of Hydraulic puller machine and oxy-acetylene flame as per instruction of E/I.  Removal of Thrust Bearing and Non-reverse Ratchet mechanism from Pump Shaft and Pump head Bearing stool of MAN Pump type RRS-7 (Spl) as per instruction of Engineer incharge.  Removal of Bearing 20232 from Pump Shaft and Pump head Bearing stool of MAN Pump type RRS-7 (Spl) with the help of Hydraulic puller machine and oxy-acetylene flame as per instruction of E/I  Removal of Multidimensional Pump head Bearing stool and Pump casing Top Cover of MAN Pump type RRS-7 (Spl) by de-bolting and pull out from Pump room as per inst. of E/I.  Reconditioning of Pump distributor of MAN Pump type RRS-7 (Spl) by removing the pitted deteriorated portions by machine tool operation and redressing the entire surface and damage vanes with great accuracy with suitable high class chromium steel welding process i/c machining and polishing to bring finished sizes OD=1300mm ID=980mm other OD=800mm Width of distributor 200mm. Inner collar width 23mm, Outer collar depth 25mm. redressing 10Nos. damaged vanes from outside length 350mm 2-sides end vane thickness 18mm length 490mm including	Dismantling and shifting of H.T. Motor from Motor Bed as per instruction of E/I.  Removal of Pump shaft pulley with the help of Hydraulic puller machine and oxy-acetylene flame as per instruction of E/I.  Removal of Thrust Bearing and Non-reverse Ratchet mechanism from Pump Shaft and Pump head Bearing stool of MAN Pump type RRS-7 (Spl) as per instruction of Engineer incharge.  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Inner collar width 23mm, Outer collar depth 25mm. redressing 10Nos. damaged vanes from outside length 350mm 2-sides end vane thickness 18mm length 490mm including fixing the distributor on Top Cover of Pump having with 10nos. high carbon steel bolts 25mm dia 75mm length as per instruction of the E/I.	Dismantling and shifting of H.T. Motor from Motor Bed as per instruction of E/I.  Removal of Pump shaft pulley with the help of Hydraulic puller machine and oxy-acetylene flame as per instruction of E/I.  Removal of Thrust Bearing and Non-reverse Ratchet mechanism from Pump Shaft and Pump head Bearing stool of MAN Pump type RRS-7 (Spl) as per instruction of Engineer incharge.  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# Name of Work: RECONDITIONING OF COMPONENTS AND REPLACEMENT OF BEARING OF MAN PUMP TYPE RSS-7 (SPL) NO.4 OF 2ND. PHASE PUMP HOUSE, DHABEJI.

Item No	Description of Work	Estimated Cost						M/s.Yasin Enterprises		M/s.Serena Enterprises	
		Quan	tity	Rate	Per	Amount	Rate	Amount	Rate	Amount	
	Reconditioning of Multi-dimensional Pump head Bearing stool of MAN										
	Pump type RRS-7 (Spl) having overall length 1060mm outer dia at Top										
	670mm Outer dia at bottom 830mm. Bottom flange OD = 830mm. ID =										
	610mm by removing pitted deteriorated portions by machine tool										
	operation. Redressing with welding and machining to bring finished sizes										
	and shapes as per actual requirements and making Bearing port true										
	circular, Inner dia 290mm, length 160mm including making 16Nos.										
	threaded holes of 10mm dia and redressing the top and bottom covers of										
	Bearing port and Providing & fixing Rubber seals (2Nos.) size						1				
	ID=140mm OD=160mm Width 10mm capable to with stand 160°C										
	temperature including installation of Pump head bearing stool on pump										
	casing as per instruction of the Engineer incharge.	1.00	Job	122,575	P/Job	122,575.00	140,000	140,000.00	141,000	141,000.00	
9	Providing of Bearing No.20232 CCK/W33 with adaptor Sleeve (SKF)										
	with the following detail of services:-	1.00	Job	348,000	P/Job	348,000.00	401,000	401,000.00	403,000	403,000.00	
	(1). Vibration Analysis Service Fee.	1.00	Job	45,000	P/Job	45,000.00	51,000	51,000.00	52,000	52,000.00	
	(2).Dynamic Balancing Service Fee	1.00	Job	80,000	P/Job	80,000.00	91,500	91,500.00	91,510	91,510.00	
	(3).Service Fee for Laser alignment / checking	1.00	Job	48,000	P/Job	48,000.00	55,000	55,000.00	56,000	56,000.00	
	(4).Service Fee for Bearing Mounting / dis-mounting.	1.00	Job	29,000	P/Job	29,000.00	33,000	33,000.00	33,100	33,100.00	
	(5). Transportation charges of all equipments.	1.00	Job	12,000	P/Job	12,000.00	13,000	13,000.00	14,000	14,000.00	
	(6). Weight / Shims / Lubricants of SKF charges.	1.00	Job	12,600	P/Job	12,600.00	14,900	14,900.00	16,000	16,000.00	
	(7).Up & Down of SKF Certified Engineers.	1.00	Job	18,000	P/Job	18,000.00	20,000	20,000.00	21,000	21,000.00	
10	Complete Assembling of pump housing with pump casing Top cover and										
	Pump head bearing stool after cleaning corrosion from inside the Pump										
	housing i/c tightening all the nuts and bolts carefully at required torque as						f .				
	per instruction of the Engineer incharge.	1.00	Job	25,338	P/Job	25,338.00	29,000	29,000.00	30,000	30,000.00	
	TOTAL QUOTED / CORRECTED COST					1,047,214	1	1,199,990		1,214,510	

(Muhammad Hanif) D.A.O (P&F)-I Circle Member / Secretary (Saif-ul-Haque) Additional Director Internal Audit – KMC Member (Maqsood Ahmed Shaikh) Superintending Engineer (KMC) Member

(Intekhab Ahmed Rajput) S.E (R&F)-I

Member

(Saleem Ahmed)
Director (Design & Estimate)

#### **ATTENDANCE SHEET**

#### VAME OF WORK:-

#### NAME OF WORK

RECONDITIONING OF COMPONENTS AND REPLACEMENT OF BEARING OF MAN PUMP TYPE RRS-7 (SPL) NO.4 OF 2<sup>ND</sup>. PHASE PUMP HOUSE, DHABEJI.

/enue:

The Director (Design & Estimate), KW&SB, Gulshan-e-Iqbal Block-18,

Karachi.

Date:

03-05-2017 at 2:30 PM

#### **CONTRACTORS / FIRMS / BIDDERS**

S.No	Name of Firms / Bidders	Contact No.	Signature
		03333233794	Your
2_	Yosim Enterprises SERENIA ENT	03343918667	A
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### SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY CONTRACT EVALUATION FORM

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/R & Rebuilding of impeller
4)	TENDER NUMBER	Through Website ID. 32659
5)	BRIEF DESCRIPTION OF CONTRACT	R/R & Corrosion Protective Coatin double entry impeller & Pump casin of 35 MGD Set "D" at K-2 Dhabeji.
6)	FORUM THAT APPROVED THE SCHEME	M.D, KW&SB
7)	TENDER ESTIMATED VALUE	Rs.22,78,000/=
8)	ENGINEER'S ESTIMATE (FOR CIVIL WORKS ONLY)	
9)	ESTIMATED COMPLETION PERIOD (AS PER CONTRACT)	90 days
10)	TENDER OPENED ON (DATE & TIME)	03-05-2017 at 2:30 P.M
11)	NUMBER OF TENDER DOCUMENTS SOLD (ATTACH LIST OF BUYERS)	Two
12)	NUMBER OF BIDS RECEIVED	Two
13)	NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS	Two
14)	BID EVALUATION REPORT (ENCLOSE A COPY)	Enclosed
15)	NAME AND ADDRESS OF THE SUCCESSFUL BIDDER	Mr. Zafar Khan, Shop No.F-33, 1 <sup>st</sup> Floor Rabi Center Tariq Road. Karachi
16)	CONTRACT AWARD PRICE	Rs.24,94,410/=
17)	RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (I.E 1 <sup>ST</sup> , 2 <sup>ND</sup> , 3 <sup>RD</sup> EVALUATION BID)	(1) M/S.Khyber Builders. (2).M/S.Noor Const. Co
18)	METHOD OF PROCUREMENT USED :- (TICK ONE)	
a)	SINGLE STAGE-ONE ENVELOPE PROCEDURE	Domestic
b)	SINGLE STAGE-TWO ENVELOPE PROCEDURE	-
c)	TWO STAGE BIDDING PROCEDURE	
d)	TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE	-

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

WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLANT?  ADVERTISEMENT  SPPRA website (If yes, give date and SPPRA Identification No.)	Yes	Yes V No SPPRA Sr.NO.32659
SPPRA website	Yes	SPPRA Sr.NO.32659
	Yes	SPPRA Sr.NO.32659
	No	
News Papers (If yes, give names of newspapers and dates)	Yes	Daily "Dawn" Jahan-e- Pak and Daily "Sobh dt.08-04-2017
	No	NO
NATURE OF CONTRACT		Local √ Int.
WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS? (If yes, enclose a copy)		Yes √ No
WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS? (If yes, enclose a copy)		Yes V No
WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?		Yes V No
WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?		Yes √ No
WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of consultancies)		Yes √ No
WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?		Yes No V
Whether names of the bidders and their quoted prices were read out at the time of opening of bids?		Yes √ No
WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?		
	WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS? (If yes, enclose a copy)  WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS? (If yes, enclose a copy)  WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?  WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?  WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of consultancies)  WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?  Whether names of the bidders and their quoted prices were read out at the time of opening of bids?  WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE	NO  NATURE OF CONTRACT  WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS? (If yes, enclose a copy)  WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS? (If yes, enclose a copy)  WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING?  WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?  WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED BID / BEST EVALUATED BID (in case of consultancies)  WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT?  Whether names of the bidders and their quoted prices were read out at the time of opening of bids?  WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF CONTRACT?

31)	ANY COMPLAINTS RECEIVED (If yes, result thereof)	Yes	
		No	NO
32)	ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER		
02)	NOTICE / DOCUMENTS (If yes, give reasons)	Yes	
		No	NO
33)	WAS THE EXTENSION MADE IN RESPONSE TIME?		
00)	(if yes, give reasons)	Yes	
		No	- NO
34)	DEVIATION FROM QUALIFICATION CRITERIA		
54)	(If yes give reasons)	Yes	
		No	NO
35)	WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT BLACK LISTED		/
20)		Yes	√ No
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:	Yes	N NO
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	Yes	No V
	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:		
37)	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)  Were proper safeguards provided on mobilization advance payment in the contract (Bank guarantee etc.)?	Yes	No V
37)	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)  Were proper safeguards provided on mobilization advance payment in the	Yes	No V
37)	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)  Were proper safeguards provided on mobilization advance payment in the contract (Bank guarantee etc.)?  Special conditions, if any	Yes	No V
336) 337) 338)	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)  Were proper safeguards provided on mobilization advance payment in the contract (Bank guarantee etc.)?  Special conditions, if any	Yes	No V

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

NO: R.E/Dhabeji/Division (P)/Acctts/2016-17/1232

Dhabeji the 13<sup>th</sup> June, 2017.

M/S. Khyber Builders Contractor, Karachi.

Sub: -

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

Your tender dated:- 03-05-2017 for Rs.24,94,410/= worked out / evaluated by the procurement evaluation committee – 1, has been approved by the Managing Director, Karachi Water & Sewerage Board, vide Para -50/N, under SPPRA- 2010.

The expenditure will be chargeable under Head of Account NO.6123-27, for the current financial year 2016-17.

You are further requested to please start the work as per Design and Specification. The date of commencement may be reckoned with effect from above mentioned date.

The work is to be completed up to 24<sup>th</sup> June positively, failing which penalty 0.05 % per day of Bid cost for delaying, will be imposed / recovered as per terms and conditions of the contract.

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

(Azhar Iqbal Qazi)
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.

(Azhar Iqbal Qazi)
RESIDENT ENGINEER
DHABEJI DIVISION (PUMPING)
KW&SB

(Min 2)



STAMP OFFICE CITY COURT. KARACHI.

Issued to Sesso's Almed Add.

CNIC No.

Vide D.S.P. No.

Jo behalf of challen two.

First Parpose of Add at 16-5-17

Entry No.

Entry No.

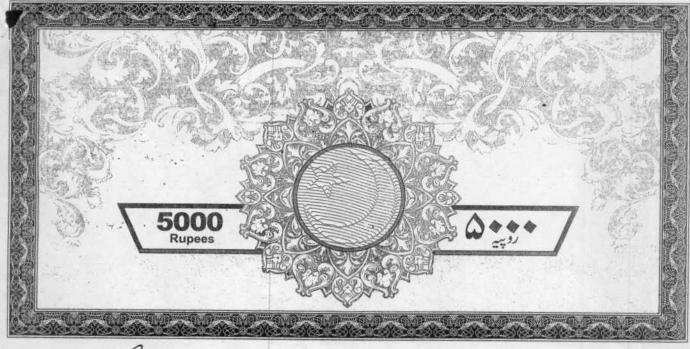
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#### AGREEMENT

M/s. Khyber Builders, and Karachi Water & Sewerage Board.

This agreement made on this 13th day of June, 2017, between Karachi Water & Swerage Board, Block-B, 9th 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. Khyber Builders, Karachi, hereinafter called the Contractor of the other part.

Whereas the KW&SB has accepted the Contractor's Tender here unto Annexed and marked 1/2 dated: 03.05.2017 for the work of "REPAIR / REBUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35MGD WEIR PUMP SET 'D' AT K-2 PUMP HOUSE, DHABEJI". Estimated cost: (On Item rate basis) under SPPR-2010. The total sanctioned amount is Rs.24,94,410/= (Rupees Twenty Four Lac Ninety Four Thousand Four Hundred Ten only) as evaluated / recommended by Procurement / Evaluation Committee-I, KW&SB vide Para-36/N and PAGE 1 OF 3



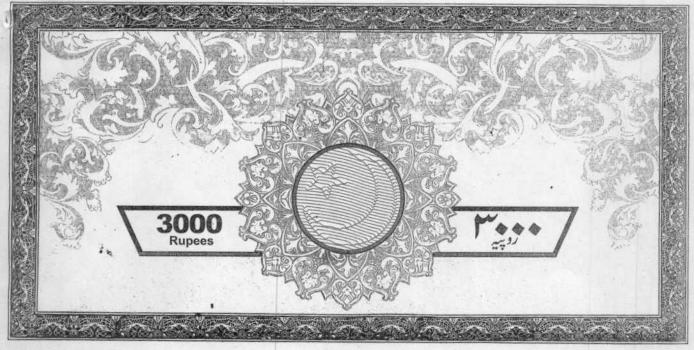
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(RUPEES FIVE THOUSAND ONLY)

financially concurred by the Finance Department, KW&SB vide Para-38 to 48/N duly approved by the Managing Director, KW&SB vide Para-50/N as per Contractor's quoted amount, the amount put to tender. According under SPPRA Rules-2010 (Amended 2013) duly signed by the Contractor has 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



STAMP OFFICE CITY COURT, KARACHI.

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Vida O.S.R. No.

On behalf of challan No.

Sq. Dt. 31-S-17

for the parpose of Sq. Dt. 31-S-17

Entry No.

Marketing No

The Contractor due hereby bind themselves their heirs successors / legal representatives and assignee to pay 0.05% 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 Blk day

June, 2017.

M/s. Khyber Builders, (Contractor) RESIDENT ENGINEER DHABEJI DIVISION (PUMPING) KW&SB SUPERINTENDING ENGINEER (PUMPING & FILTER)-I, KW&SB

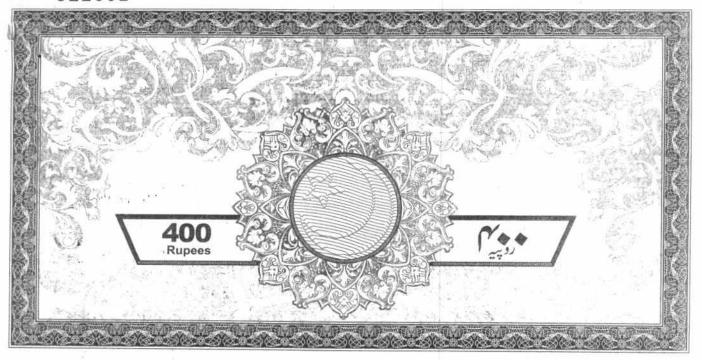
CHIEF ENGINEER (E&M)-WATER K.W.& S.B.

WITNESSES

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M/S Saim & Co

PAGE 3 OF 3



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Entry No.
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Entry No.
PRICE CITY COURT. KARACHI.

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Between

AGREEMENT

M/s. Khyber Builders, and Karachi Water & Sewerage Board.

Name of Work:-

REPAIR / REBUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35MGD WEIR PUMP SET 'D' AT K-2 PUMP HOUSE, DHABEJI

RUPLL

M/s. Khyber Builders (Contractor) RESIDENT ENGINEER
DHABEJI DIVISION (PUMPING)),
KW&SB



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

Block "B", 9th Mile, Sharea Faisal, Karachi Ph: (021) 99245028 Fax: (021) 99245027

> No.KW&SB/CE/E&M-W/2017/// 2\_ Dated: 12-06- 2017

M/s. Khyber Builders, Contractor, Karachi.

#### LETTER OF ACCEPTANCE / SANCTION LETTER

SUBJECT:- REPAIR / REBUILDING & CORROSION PROTECTIVE COATING
OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35MGD
WEIR PUMP SET 'D' 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-26/N/ your bid for the subjected work is hereby accepted for the sum of Rs.24,94,410/= (Rupees Twenty Four Lac Ninety Four Thousand Four Hundred Ten only) as worked out / evaluated by Procurement / Evaluation Committee-I vide Para-36/N and financially concurred by Finance Department, KW&SB vide Para-38 to 48/N/ duly approved by M.D., KW&SB vide Para-50/N. The expenditure is chargeable to B.G. No.6123-27 for the financial year 2016-2017.

There is now binding contract between KW&SB and M/s. Khyber Builders.

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. Khyber Builders.

Provide with the 02% @ Rs.24,94,410/= 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 Division (Pumping) Office for execution of Agreement, the value of Stamp paper will be Rs.8,730/= @ 0.35% of sanctioned cost which should be produced by you.

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

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

(ASAD ULLAH KHAN)

7 K. W. & S. B.

Copy to:-

- The S.E.(P&F)-I, 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.
- 2. The Director Accounts, KW&SB.
- 3. The A.D. (LFA), KW&SB.
- Office copy.

NAME OF WORK:-

# REPAIR / REBUILDING & CORROSION PROTECTIVE COATING OF DOUBLE ENTRY IMPELLER & PUMP CASING OF 35 MGD WEIR PUMP SET 'D' AT K-2 PUMP HOUSE, DHABEJI.

#### (B) Description and rate of Items based (On Item rate basis)

Item	Qty.	Description of item to be	Rate		Unit	Amount in
No.		executed at site	Amount (in Figures)	Amount (in Words)		Rupees
1.		Repairing / Rebuilding and Corrosion Protective coating of badly damaged & eroded Double entry Impeller of 35MGD Weir Pump with the following description and scope of work:-				
	01Job		Rujaco Mousis Sere	stine lactors	Job Job	948270/
		Double Entry Suction:-  ➤ Suction dia = 505 mm  ➤ Vanes size = 7" side (Upper and Lower surface eroded)  ➤ Suction vanes = 8 + 8 = 16  Nos. (Both sides Upper & Lower)  ➤ Discharge Vanes = 8 Nos. (Curve Shape)				
2.		Rebuilding and Protective coating of eroded & damaged portion of 35' MGD Weir Pump Casing with the following scope of work:-				,
	01Job	DESCRIPTION OF PUMP , CASING:-  ► Dislocated of Pump casing from the bed of bearing housing  ► Badly eroded bush area.  ► Badly eroded upper & lower portion of Impeller moving areas.				
	- 10	AREA:  ► All damaged and eroded area to be repaired and coated with the Belzona materials.  ► Fabrication and reforming of bed of bearing housing  ► Reforming of Flange face.  ► Reinforcement of Dislocated areas after repairing.				,

m l	Item	Otv	Description of item to be	- T	Rate	Unit	Amount in
	No.	Qty.	Description of item to be executed at site	Amount , (in Figures)	Amount (in Words)	Unit	Rupees
		Ь	SELECTED BELZONA PRODUCTS FRO APPLICATIONS:  1. Belzona 1341 food grade approved for	(in Figures)	(iii words)		
			drinking water.  2. Belzona 1311 Ceramic R-Metal  3. Belzona 2141 ACR		- 9		
			Fluid Elastomer (Cabitations Resistant Elastomeric Coating) 4. Belzona 2191 surface conditioner for				
			elastomeric coating. 5. Belzona 9111 NF-Cleaner. 6. Belzona 9411 Release Agent		•		
			7. Belzona 9341 reinforcement Tape. 8. Metallic Format.				
			Scope of work:-  (a). Surface preparation with grit blasting as per SA 1½ standard.  (b). Decontamination of blasted surface with Belzona 9111NF.				
			(c). Re-Building both sides of 16 Nos. badly damaged surface of double entry impellers vanes (Inlet and out let) with Belzona 1311.		*		
			(d). Re-building both sides of 16Nos. badly damaged surface of double entry impeller discharge suction vanes with Belzona 1311.				
			(e). Repairing of all cavities inside of discharge and suction Outlet and Inlet vanes with Belzona 2141.  (f). Apple Belzona 2191 surface conditioner before application				
			of Belzona 2141.  (g). Reinforcement of created portions of dislocated impeller vanes with Belzona 1311 & Belzona 9341 reinforcement.				
			(h). Fabrication and repairing of dislocated Portion of bed of bearing housing of pump casing.  (i). Repairing of eroded bushing	7			
			area.  (j). Repairing of upper and lower Impeller moving areas.  (k).Grinding work and machining work.				

Etom	Otv	Description of item to be	R	ate	Unit	Amount in
No.	Qty.	executed at site	Amount (in Figures)	Amount (in Words)		Rupees
		(1).Corrosion protective ceramic Belzona 1341 coating on the resurface area of the Impeller and pump casing.  m).Cavitations resistant Belzona 2141 elastomeric coating on the highly impact zone.  n).Apply a thin layer of Belzona 9411 where Belzona material should not Adhere during application.  o).Mechanical parts replacement and supplies are not in our scope of work.	Jordy	erstyleen love and One his only		1546140/

Resident Engineer

1/We hereby quoted Bs. 2494410/2 Rupees Twenty Jour Cac-Newsly four Thousand Lourtheudred Ten only

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



- 1-Tender/Quotation received in sealed Coveand open by Tender Opening Committee.
- 2- No cutting or overwriting found/custing or overwriting found.
- 3- Contractor has enclosed Earnest money
  - of bid amount pay order Rs . 3.400
  - Draw on Gall M.