KARACHI WATER & SEWERAGE BOARD

CONSTRUCTION OF NEW 100 MGD PUMP HOUSE
(Equipped with M&E Pumping Machineries)
at Dhabeji

Bid Evaluation Report

1. Name of Procuring Agency: Karachi Water and Sewerage Board

2. Tender Reference No: _____

3. Tender Description / Name of work / item: **Construction of New 100 MGD Pump House (Equipped with M&E Pumping Machineries) at Dhabeji**

4. Method of Procurement: **Two Stage Bidding**

5. Tender Published: **25th to 29th February 2016**
   a. Khaleej Times (International) Dated: 25-02-2016
   b. Daily Dawn (English) Dated: 29-02-2016
   c. The Nation (English) Dated: 28-02-2016
   d. The News (English) Dated: 28-02-2016
   e. Daily Jang Dated: 28-02-2016
   f. Daily Express Dated: 27-02-2016
   g. Daily Ibrat (Sindhi) Dated: 28-02-2016
   h. Awami Awaz (Sindhi) Dated: 27-02-2016

6. Total Bids documents Sold: **(10) (Ten)**

7. Total Bids Received: **(01) (One)**

8. Technical Bid Opening date: (if applicable) **21st April, 2016**

9. No. of Bids technically qualified (if applicable): **(01) (One)**

10. Bid(s) Rejected: **Nil**

11. Financial Bid Opening date: **20th September 2016**

12. Bid Evaluation Report:

S No	Name of Firm of Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Engineering Estimate	Reasons for acceptance / rejection	Remarks
	1	2	3	4	5	6
1	M/s. KSB Pumps Company Ltd. *in association with* M/s. Madni Engineering Construction Company. M/s. Al-Tariq Constructor Pvt. Ltd.	1,432,850,000	1st	0.14% above	*Accepted being Responsive & consistent with Bidding Document*	Lowest evaluated Bid

Iqbal Muhammad
M/s. Osmani & Co. Pvt. Ltd.
~~Member~~ / Representative

Intekhab Ahmed Rajput
Project Manager (Dhabeji) KW&SB
Member / Secretary

Asif Ali Khan
Dy. Project Manager
(Dhabeji) KW&SB
Member

Maqsood Ahmed Shaikh
S.E. (Civil) Deptt. (KMC)
Member

Tariq Ansari
E.E (E&M) Deptt. KMC
Member

Mazhar Abdi
AEE Dhabeji KW&SB
Member

Azam Khan
Chief Engineer (E&M-Sew) KW&SB /
Project Director (S-III)
Convener

ANNEX-I

COST COMPARISON BETWEEN ENGINEERING ESTIMATE AND TECHNICALLY QUALIFIED CONTRACTOR's BID

CONSTRUCTION OF NEW 100 MGD PUMP HOUSE
(EQUIPPED WITH M & E PUMPING MACHINERIES) AT DHABEJI

SUMMARY

Sub-Head	Name of Work	Quoted Bid Price	Engineering Estimate	% Above or Below
A	CIVIL WORKS	385,800,000	235,149,571	64.07%
B	ELECTRICAL & MECHANICAL WORKS	947,050,000	1,095,627,091	-13.56%
C	PROVISIONAL SUM FOR DAY WORKS	2,000,000	2,000,000	-
	TOTAL RS.	**1,334,850,000**	**1,332,776,662**	**0.16%**
Add: Provisional Sum (Not to be included in the bid price for evaluation but may be included in the item of days works such as diversion/ repair of utility services or anyother item required to complete the work not provided in the item of BOQ.)		98,000,000	98,000,000	
	GRAND TOTAL RS.	**1,432,850,000**	**1,430,776,662**	**0.14%**

Iqbal Muhammad
M/s. Osmani & Co. Pvt. Ltd.
Member / Representative

Intekhab Ahmed Rajput
Project Manager (Dhabeji)
KW&SB
Member / Secretary

Asif Ali Khan
Dy. Project Manager (Dhabeji)
KW&SB
Member

Maqsood Ahmed Shaikh
S.E. (Civil) Deptt. (KMC)
Member

Tariq Ansari
E.E (E&M) Deptt. KMC
Member

Mazhar Abdi
AEE Dhabeji, KW&SB
Member

Azam Khan
Chief Engineer (E&M-Sew) KW&SB/
Project Director (S-III)
Convener

COST COMPARISON BETWEEN ENGINEERING ESTIMATE AND TECHNICALLY QUALIFIED CONTRACTOR's BID

CONSTRUCTION OF NEW 100 MGD PUMP HOUSE (EQUIPPED WITH M & E PUMPING MACHINERIES) AT DHABEJI

CIVIL WORKS

S. No	Item	Quoted Bid Price	Engineering Estimate	% Above or Below
1	**DESIGN AND DRAWINGS** Confirmatory Soil Investigation, Topographic Survey, Site investigation, Submission of detailed Design, Drwaings, Specifications, Final Construction Drawings, Specifications, Design, other documents and Submission of As Built Drawings.	17,000,000	4,942,200	**243.98%**
2	**PUMPING STATION BUILDING**	180,000,000	115,619,952	**55.68%**
3	**KESC SUB-STATION BUILDING**	3,800,000	3,472,479	**9.43%**
4	**INLET CHAMBER, SCREEN CHAMBER AND SUCTION WELL**	140,000,000	87,311,736	**60.34%**
5	**VALVE CHAMBERS**	5,000,000	11,411,542	**-56.18%**
6	**ROAD WORK, PAVEMENT AND BRIDGE WORKS**	13,000,000	4,536,804	**186.55%**
7	**EXTERNAL DEVELOPMENT & DRAINAGE**	6,000,000	3,967,987	**51.21%**
8	RCC Bridge/culvert over suction channel for crossing of heavy equipment for maintenance	21,000,000	3,886,871	**440.28%**
	Total Amount of Civil Works Rs.	**385,800,000**	**235,149,571**	**64.07%**

COST COMPARISON BETWEEN ENGINEERING ESTIMATE AND TECHNICALLY QUALIFIED CONTRACTOR's BID

CONSTRUCTION OF NEW 100 MGD PUMP HOUSE (EQUIPPED WITH M & E PUMPING MACHINERIES) AT DHABEJI

E&M Works

S. No	Work Item No.	Item	Quoted Bid Price	Engineering Estimate	% Above or Below
1	Work Item No. 1	Pump intake sump model test	18,000,000	17,870,600	0.72%
2	**Work Item No. 2**	**Manual coarse screen**	**2,100,000**	**2,500,000**	**-16.00%**
	Sub Work Item No. 2-1	01 No. Manual Coarse screen	1,800,000		
	Sub Work Item No. 2-2	02 Nos. Hand rakes	300,000		
3	**Work Item No. 3**	**Chain Hauled Raking Bar Screens**	**70,000,000**	**66,297,112**	**5.59%**
	Sub Work Item No. 3-1	02 Nos. Chain hauled raking bar screens	69,000,000		
	Sub Work Item No. 3-2	02 Nos. Rakes	1,000,000		
4	**Work Item No. 4**	**Central flow band screen**	**65,000,000**	**93,966,768**	**-30.83%**
	Sub Work Item No. 4-1	02 Nos. Central flow band screens	65,000,000		
5	**Work Item No. 5**	**Penstocks**	**18,000,000**	**27,815,757**	**-35.29%**
	Sub Work Item No. 5-1	04 Nos. Rectangular faced penstocks	18,000,000		
6	**Work Item No. 6**	**Pumps**	**166,000,000**	**209,435,250**	**-20.74%**
	Sub Work Item No. 5-1	06 Nos. Centrifugal Pumps	166,000,000		
7	**Work Item No. 7**	**Suction branches**	**51,600,000**	**41,523,380**	**24.27%**
	Sub Work Item No. 7-1	06 Nos. Length suction branches each of 900mm dia 10mm thick.	8,400,000		
	Sub Work Item No. 7-2	06 Nos. Ductile Iron Bellmouth	8,700,000		
	Sub Work Item No. 7-3	06 Nos. Gate Valve 900mm dia.	27,500,000		
	Sub Work Item No. 7-4	06 Nos. flexible Slip out joints 900mm dia.	1,700,000		
	Sub Work Item No. 7-5	06 Nos. Flanged MS conical pipes 10mm thick.	3,600,000		
	Sub Work Item No. 7-6	06 Nos. Compound pressure gauges and flow meters based on sensors on either side of suction and discharge pipe.	1,700,000		

S. No	Work Item No.	Item	Quoted Bid Price	Engineering Estimate	% Above or Below
8	**Work Item No. 8**	**Discharge branches**	**72,700,000**	**89,435,866**	**-18.71%**
	Sub Work Item No. 8-1	06 Nos Length discharge branches each of 900mm dia 10mm thick.	16,000,000		
	Sub Work Item No. 8-2	06 Nos. Flanged MS conical pipes 10mm thick.	4,000,000		
	Sub Work Item No. 8-3	12 Nos. MS flanged 90^0bend 900mm dia.	9,000,000		
	Sub Work Item No. 8-4 & 5	06 Nos. Flanged MS pipe piece 900 mm dia upper end to connect with butterfly valve. The other end of the butterfly valve shall connect to flexible slipout joint with seal applied between collars and bolts fitted in between butterfly valve and non-return valves.	5,600,000		
	Sub Work Item No. 8-6	06 Nos. Flexible Slip out joints 900mm dia.	1,700,000		
	Sub Work Item No. 8-7	06 Nos. Butterfly Valve 900mm dia.	17,000,000		
	Sub Work Item No. 8-8	06 Nos. Non return Valve 900mm dia.	15,700,000		
	Sub Work Item No. 8-9	06 Nos. Compound pressure gauges and flow meters based on sensors on either side of suction and discharge pipe with flow sensor of each pump.	1,700,000		
	Sub Work Item No. 8-10	Surge computations by computer programming based on actual site conditions.	2,000,000		
9	**Work Item No. 9**	**Delivery manifold**	**39,300,000**	**38,912,698**	**1.00%**
	Sub Work Item No. 9-1	Length Delievery manifold of 1800mm dia 15mm thick.	16,000,000		
	Sub Work Item No. 9-2	02 Nos. Compound pressure gauges	300,000		
	Sub Work Item No. 9-3	02 Nos. Butterfly valve 450mm dia for isolating PRV.	1,300,000		
	Sub Work Item No. 9-4	02 Nos. Pressure relief valve 450mm dia.	6,500,000		
	Sub Work Item No. 9-5	01 No. flexible Slip out joints 1800mm dia.	1,200,000		
	Sub Work Item No. 9-6	01 No. Butterfly valve	14,000,000		
10	**Work Item No. 10**	**Delivery main**	**68,400,000**	**93,559,563**	**-26.89%**
	Sub Work Item No10-1	Length Delievery main of 1800mm dia 15mm thick.	37,600,000		
	Sub Work Item No10-2	02 Nos. flexible Slip out joints 1800mm dia.	2,000,000		
	Sub Work Item No10-3	01 No. Butterfly valve 1800mm dia.	12,500,000		
	Sub Work Item No10-4	01 No. Electromagnetic flowmeter 1800mm dia.	11,000,000		
	Sub Work Item No10-5	02 Nos. MS flanged bend 1800mm dia.	5,000,000		
	Sub Work Item No10-6	01 No. Double acting air release valve with 100mm gate valve.	300,000		
11	**Work Item No. 11**	**Drain pipe**	**4,000,000**	**37,428,664**	**-89.31%**
	Sub Work Item No11-1	01 No. Butterfly valve 600mm dia.	900,000		
	Sub Work Item No11-2	01 No. flexible Slip out joints 600mm dia.	100,000		
	Sub Work Item No11-3	Length MS pipe 600mm dia 8mm thick.	3,000,000		

S. No	Work Item No.	Item	Quoted Bid Price	Engineering Estimate	% Above or Below
12	Work Item No. 12	Electric overhead gantry crane	16,000,000	20,584,360	-22.27%
13	Work Item No. 13	Dewatering pumps	1,700,000	2,968,538	-42.73%
14	Work Item No. 14	Access ladders, platforms and plate flooring	14,500,000	15,856,622	-8.56%
	Sub Work Item No. 14-1	Steel plate flooring covers on all openings and cable ducts in motor room	4,000,000		
	Sub Work Item No. 14-2	Hand railing consisting of double bar forged steel standards with tubular rails hot dip galvanized in accordance with BS code.	2,000,000		
	Sub Work Item No. 14-3 & 4	Access ladders and platforms.	8,500,000		
15	Work Item No. 15	11 kV switchboard	35,000,000	28,691,404	21.99%
16	Work Item No. 16	Capacitors	21,000,000	6,703,010	213.29%
17	Work Item No. 17	LV switch board	9,800,000	6,943,182	41.15%
18	Work Item No. 18	Instrumentation panel	26,000,000	8,855,658	193.60%
19	Work Item No. 19	11 kV motors	143,000,000	122,407,000	16.82%
20	Work Item No. 20	11 kV/415V transformers	3,500,000	2,320,017	50.86%
21	Work Item No. 21	Exhaust fans	1,500,000	400,727	274.32%
22	Work Item No. 22	PLC/SCADA system with MIS	27,000,000	32,762,033	-17.59%
23	Work Item No. 23	cables	36,000,000	25,523,226	41.05%
24	Work Item No. 24	Earthing system	3,500,000	3,715,666	-5.80%
25	Work Item No. 25	Lightning protecting system	2,000,000	1,170,995	70.79%
26	Work Item No. 26	110V dc system	3,500,000	3,995,446	-12.40%
27	Work Item No. 27	Light fittings and auxiliary AC supply system	3,200,000	3,173,633	0.83%
28	Work Item No. 28	Emergency lighting	450,000	341,334	31.84%
29	Work Item No. 29	Telephone system	1,400,000	10,220,065	-86.30%
30	Work Item No. 30	Training of employer's O&M personnel	1,000,000	672,869	48.62%
31	Work Item No. 31	Drawings	800,000	341,481	134.27%
32	Work Item No. 32	Operating and maintenance manuals	1,200,000	341,481	251.41%
33	Work Item No. 33	Precautionary equipment	1,000,000	1,254,148	-20.26%
34	Work Item No. 34	Submersible pumps	7,800,000	10,968,538	-28.89%
35	Work Item No. 35	Security system	3,000,000	9,900,000	-69.70%
36	Work Item No. 36	Lighting arrangement on boundary wall	4,500,000	12,080,000	-62.75%
37	Work Item No. 37	Shifting of Wireless Transmission Tower	2,000,000	21,800,000	-90.83%
38	Work Item No. 38	Replacement of air valves on existing 1800mm dia	1,600,000	22,890,000	-93.01%
		Total Amount of E & M Works Rs.	**947,050,000**	**1,095,627,091**	**-13.56%**
39	Work Item No. 39	Equipment Spare parts		21,800,000	
40	Work Item No. 40	Special tools and test equipment		22,890,000	

KARACHI WATER & SEWERAGE BOARD

Office of the Secretary (Procurement Committee)

100 MGD Dhabeji Project

9th Mile Karsaz, Shahrah-e-Faisal, Karachi, Block-C, KW&SB

No. KW&SB/Secy/Dhabeji/2016/ 07
Dated: 20th September, 2016

To,

1. Mr. Azam Khan — Convener
   Dy. Chief Engineer (E&M-Sew) KW&SB
2. Intikhab Ahmed Rajput, — Member/Secretary
   Project Manager (Dhabeji Project) KW&SB
3. Mr. Asif Ali Khan, — Member
   Dy. Project Manager (Dhabeji) KW&SB
4. Mr. Maqsood Ahmed Shaikh, — Member
   Superintending Engr. (C) Engg. Deptt. KMC — (Representative of KMC)
5. Mr. Tariq Ansari, — Member
   Executive Engr. (E&M), Engg. Deptt. KMC — (Representative of KMC)
6. Mr. Mazhar Abdi, — Member
   Asstt. Executive Engr. (Dhabeji Project) KW&SB
7. Mr. Iqbal Muhammad, — Representative of M/s. OCL
   M/s Osmani& Co. Pvt. Ltd

MINUTES OF MEETING

SUB: CONSTRUCTION OF NEW 100 MGD PUMP HOUSE (EQUIPPED WITH MECHANICAL & ELECTRICAL PUMPING MACHINERIES) AT DHABEJI

Enclosed please find herewith the minutes of meeting held in the Committee Room, M.D Secretariat, Block-D, 9th Mile, KW&SB, on Tuesday, the 20th of September 2016, regarding the opening of Financial Proposals of the technically qualified Consultancy Firms for "Construction of New 100 MGD Pump House (Equipped with Mechanical & Electrical Pumping Machineries) at Dhabeji" for your perusal and record please.

20/09/2016

SECRETARY
(Procurement Committee)
100 MGD Dhabeji Project, KW&SB

Copy to :-

M/s. SPPRA, GOS

20th September 2016

KARACHI WATER & SEWERAGE BOARD

OPENING OF FINANCIAL PROPOSALS

CONSTRUCTION OF NEW 100 MGD PUMP HOUSE
(EQUIPPED WITH MECHANICAL &
ELECTRICAL PUMPING MACHINERIES)
AT DHABEJI

MINUTES OF THE MEETING

A meeting for the opening of Financial Proposals submitted by the technically qualified Contractor / Consortium for the Construction of New 100 MGD Pump House (Equipped with Mechanical & Electrical Pumping Machineries) at Dhabeji was held in the Committee Room, M.D Secretariat, Block-D, 9th Mile KW&SB on Tuesday, the 20th of September 2016 under the Chairmanship of Convenor, Procurement Committee formulated for the purpose.

The list of participants is attached as Annexure – A.

The meeting started with the recitation of Holy Quran followed by the words of welcome from the Convenor, Procurement Committee, who then elaborated the importance of the Project as well as the procedure adopted during the Evaluation of Technical Proposals submitted by the Contracting Firms / Consortium.

Afterwards, the sealed Financial Proposal was shown to the participants and was opened accordingly. Since, only one Firm / Consortium submitted the Technical Proposal, it was evaluated accordingly and being the sole

20/09/2016

technically qualified Contracting Firm / Consortium its Financial Proposal was opened / unsealed, publicly announcing the details of the Bid Security and quoted Bid Price of Financial Proposal :-

	Name of Engineering Firm	**M/s. KSB Pumps Company Ltd.** in association with **M/s. Madni Engineering Construction Company** **M/s. Al-Tariq Constructor Pvt. Ltd.**
01	**Bid Security**	**Bank Guarantee No. 0328BGA003383** **Executed on 22-07-2016** **Amount Rs. 15,000,000** **Expiry Date 17-01-2017** **Bank UBL Corporate Branch, Gulberg Lahore** **Bank Guarantee No. 0328BGA003389** **Executed on 22-07-2016** **Amount Rs. 12,000,000** **Expiry Date 17-01-2017** **Bank UBL Corporate Branch, Gulberg Lahore**
02	**Announced Bid Price of Financial Proposal**	**Rs. 1,432,850,000/-** (Rupees One Billion Four Hundred Thirty Two Million Eight Hundred Fifty Thousand Only)

The original Financial Proposal of the single technically qualified Contracting Firm / Consortium was then duly signed by all Members of the Procurement Committee.

The original Financial Proposal of the Contracting Firm / Consortium was handed over to the Secretary of Procurement Committee, to start evaluation process for finalizing the selection of Contracting Firm / Consortium for the Construction of New 100 MGD Pump House (Equipped with Mechanical & Electrical Pumping Machineries) at Dhabeji.

The meeting ended with a vote of thanks to and from the Chair.

06/9/2016

KARACHI WATER & SEWERAGE BOARD

CONSTRUCTION OF NEW 100 MGD PUMP HOUSE (EQUIPPED WITH M&E PUMPING MACHINERIES) AT DHABEJI

Opening of Financial Proposal (Stage-2nd)

Procurement Committee Attendance

Time: 04:00 PM Dated: 20.09.2016

S.No.	Name & Designation	Signature
1.	Mr. Azam Khan, Chief Engineer (E&M)-Sew./P.D.(S-III), KW&SB. Convener	
2.	Mr. Intekhab Ahmed Rajput Project Manager (Dhabeji Project), KW&SB Member / Secretary.	
3.	Mr. Asif Ali Khan, Dy. Project Manager(Dhabeji Project), KW&SB Member.	
4.	Mr. Maqsood Ahmed Shaikh, Superintending Engineer (Civil) Engg: Deptt: KMC. Member.	20/9/16
5.	Mr. Tariq Ansari, Executive Engineer (E&M) Engg. Deptt., KMC. (Representative of KMC) Member	20/9/16
6.	Mr. Mazhar Abdi, A.E.E. (Dhabeji Project), KW&SB. Member.	
7.	Mr. Iqbal Muhammad, M/s. Osmani & Co. (Pvt.) Ltd. (Representative of Consultant)	20/9/16

KARACHI WATER & SEWERAGE BOARD

Date: 20th September, 2016

ATTENDANCE SHEET

CONSTRUCTION OF NEW 100 MGD PUMP HOUSE
Equipped with M&E Pumping Machineries at Dhabeji

OPENING OF FINANCIAL PROPOSALS

Sr. No.	Name of Contracting Firm / Consortium	Name / Designation	Signature
	KSB Pumps Co. Ltd. KSB - Madni - ATL Consortium	Ahmed Hussain Senior Manager Proposal	
	"	Saad Bin Emad Regional Sales Manager	
	"	Ali Asad Deputy Manager	

KARACHI WATER & SEWERAGE BOARD

CONSTRUCTION OF NEW 100 MGD PUMP HOUSE (EQUIPPED WITH M & E PUMPING MACHINERIES) AT DHABEJI

EPC/ TURNKEY CONTRACT ON
LUMP-SUM FIXED PRICE BASIS

TECHNICAL EVALUATION REPORT

SEPTEMBER 2016

1. INTRODUCTION

The Dhabeji Pumping Complex is the life line for the overall water supply system of Karachi and comprises of different Phases developed from time to time. The oldest of the pumping stations at Dhabeji was the Phase-I of the Greater Karachi Bulk Water Supply Scheme (K-I) constructed in 1959. Being the oldest of the pump houses at Dhabeji, it has outlived its useful life and is working intermittently with reduced out-put resulting that, the available supplies of bulk water is not fully pumped neither fully utilized. Accordingly, KW&SB planned to replace the old pump house by constructing a new Pump House of 100 MGD capacity in order to utilize the available bulk water to the city of Karachi.

With the construction of new Pump House the water supply to the city of Karachi will be improved and all the available water will be supplied to the consumers which will relieve the pressure on the presently reduced supply of water.

The new pump house is proposed to comprise of 06 pumps of 25 MGD each (04 duty pumps + 02 standby pumps) driven by electrical motors which are more cost effective and efficient than the old diesel engine based pumps. The work will include electrical mechanical equipment's, delivery mains, connection to existing rising mains, civil works of the new pump house building, intake sump, and inlet chambers.

2. PROJECT DEVELOPMENT

The Karachi Water & Sewerage Board in order to proceed further with the procurement of New 100 MGD Pump House Project at Dhabeji, constituted a Procurement Committee in accordance to Clause 7 & 8 of SPPRA Rules – 2010 read in conjunction with Clause 3 of SPPRA Regulation for Procurement of Works 2013.

The Committee comprises of the following officers:-

a. Mr. Azam Khan Dy. Chief Engineer (E&M-Sew) KW&SB	Convener
b. Syed Hashim Abbas Zaidi, Project Manager (Dhabeji Project) KW&SB	Member/Secretary
c. Mr. Asif Ali Khan, Dy. Project Manager (Dhabeji) KW&SB	Member
d. Mr. Maqsood Ahmed Shaikh, Superintending Engr. (C) Engg. Deptt. KMC	Member (Representative of KMC)
e. Mr. Tariq Ansari, Executive Engr. (E&M), Engg. Deptt. KMC	Member (Representative of KMC)
f. Mr. Mazhar Abdi, Sub-Engineer (Dhabeji Project) KW&SB	Member
g. Mr. Iqbal Muhammad, M/s Osmani& Co. Pvt. Ltd	Representative of OCL

In continuation to above, the Procurement Committee was reconstituted by inducting Mr. Intekhab Ahmed Rajput, who was posted as Project Manager (Dhabeji Project) / Member / Secretary of Procurement Committee in place of Syed Hashim Abbas Zaidi, vide Government of Sindh Notification No.LG/SO-VII/2-2/KW&SB/2014 dated August 18, 2016.

Afterwards, the advise of Consultants M/s. Osmani & Company (Pvt.) Ltd was sought for the Methodology of Bidding Procedure to be adopted for the subject work.

The Procurement Committee accordingly adopted Two Stage Bidding Procedure as the mode of bidding and EPC/Turn Key Contract as the type of contract on International Competitive Bidding (ICB) basis for the subject work upon the advise of the Consultant.

The Notice Inviting Tender (NIT) for the subject work was advertised in the leading National / International Newspapers including the Dawn, the News, the Nation and one widely circulated English language International Newspaper Khaleej Times, as per SPPRA Rule 17(6) and was also displayed on the SPPRA website www.sppra.gov.pk on March 02, 2016.

The Bidding Documents for the subject work were prepared and submitted to KW&SB by the Consultant M/s. Osmani & Co. Pvt. Ltd. and the same were issued to the interested bidders as per following schedule, which was already indicated in the NIT:-

a.	Date of Issuance of Tender Document	March 01, 2016 to April 20, 2016 by 04:00 pm
b.	Last Date of Submission	April 21, 2016 02:30 pm
c.	Technical Proposal Opening Date	April 21, 2016 03:00 pm

3. EVALUATION CRITERIA

As per requirement of the Bidding Documents, the Bidders were required to submit following Documents with their Technical / Financial Proposals:-

a. General

(1) Original and Two Copies of the Technical Proposal and Original Financial Proposal.

(2) The envelopes containing the Original and Copies will be put in one sealed envelope properly addressed / identified.

b. Mandatory Requirement alongwith Technical Bid

The Bidder shall submit with its Technical Bid the following documents.

Technical Bid will not be considered if following mandatory documents are not attached:-

(1) Letter of Technical Bid duly filled in, signed and sealed.

(2) PEC License in Category C-B and above with Specialization Codes of CE-09, CE-10, ME-06, EE-04 & EE-05 (in case of JV/ Consortium, the lead firm must fulfill the C-B Category requirement with Specialization Codes of either CE-10 or ME-06 while other JV/ Consortium Partners shall have atleast Category C-2 covering all remaining Specialization Codes).

(3) Schedules (A to I) to Bid duly filled in and signed, in accordance with the Instructions contained therein

(4) Documentary Evidence of the Year of Establishment of the Bidding Firm.

(5) Affidavit on the Stamp Paper (duly Notarized) that the Bidding Firm is not Black Listed by any Procuring Agency, Govt. or Semi-Govt. Departments, Autonomous Bodies, International Organizations and any Client/ Employer, DHA or Cantonment in Pakistan.

(6) Affidavit on Stamp Paper of Rs 100/- (duly Notarized), providing List of any Present or Past Litigation of the Bidding Firm with any Procuring Agency, Govt. or Semi-Govt. Departments, Autonomous Bodies, International Organizations and any Cantonment Board in Pakistan. If no Litigation, the said Affidavit should mention the same. Litigation Statement shall be provided in the approved format.

(7) A Firm undertaking on Stamp Paper of Rs. 100/- by the Bidder that his Lump-Sum Fixed Price Bid is inclusive of all user requirements, irrespective of any major or minor item being missed in his Technical Proposal all works shall be completed under the contract in his quoted Lump-Sum Fixed Price and no additional payment over and above the Lump-Sum Fixed Price quoted by him shall be claimed or admissible under any circumstances.

(8) Valid workable design conforming to minimum design parameters/ guidelines attached with bidding documents.

Following documents were also required to be submitted along with Technical Bid.

a. Balance Sheet of last 05 years duly Audited with Chartered Accountant.
b. Financial Soundness Certificate from at least AA Rated Bank.
c. Income Tax Returns for last 5 years.

c. Financial Bid

After Technical Evaluation, only qualified bidder shall be asked to submit Financial Bid. The Bidder shall submit Financial Bid after receipt of information and schedule from the client which should include following:-

(1) Letter of Price Bid duly filled in, signed and sealed.
(2) Schedules (K to L) to Bid duly filled in and signed, in accordance with the Instructions contained therein.
(3) Schedule of Prices completed.
(4) Bid Security as mentioned in Instruction to Bidders Clause IB-15

Following instructions were contained in the bidding document:-

"The Bids will be evaluated on the basis of points as mentioned below. Financial proposal of only those bidders shall be opened whose Technical Proposal gets 50% in each of the individual five categories mentioned below with overall 60% qualifying points.

The following information shall be presented in an orderly manner and no extra/ additional information is required so as to facilitate efficient evaluation."

Evaluation Criteria:

a. **EXPERIENCE** **Max.Points 30**

1) **Over all Experience**

List of overall experience of the firm as lead contractor with details of satisfactorily completed works in past Ten years (02 points for each Project of Rs. 300 million or above upto a maximum of 05 Projects). Documentary proof (i.e. Work Order & Completion Certificate) be attached. The Projects should be presented strictly in the following format and no additional information should be given:

Max. Points 10

Sr. No.	Name of Work	Employer/ Client	Amount (Rs.)	Date		Documents enclosed (Y/N)	
				Start	Completion	W-order	Completion
1)							
2)							
3)							
4)							
5)							

2) **Experience of Similar Works**

Experience of Similar Works (Works related to Pumps & Construction of Pump House) as lead contractor (02 points for each facility / project essentially comprising of Civil, Mechanical and Electrical works, satisfactorily completed in last 10 years of at least Rs. 300 million or above max of 02 projects. Documentary proof (i.e. work order & completion certificate) be attached. The projects should be presented strictly in the following format and no additional information should be given:

Max. Points 20

Sr. No.	Name of Work	Employer/ Client	Amount (Rs.)	Date		Documents enclosed (Y/N)	
				Start	Completion	W-order	Completion
1)							
2)							
3)							

b. Submission of Design **Max. Points 20**

(1) Satisfactory/ Workable Design in accordance with laid down/ guideline parameters indicated in bidding documents duly stamped and signed.

Max. Points 15

(2) Proposed Detailed Construction Schedule (inter-relating all the sub-heads of the works) alongwith monthly progress schedule as per Clause 12.1 and 12.4 of PCC

Max. Points 05

c. Personnel Capabilities **Max. Points 25**

(1) Execution Team MAX. POINTS 08

(a) Project Manager - Professional Engineer registered with PEC with at-least 15 years overall experience and 10 years' experience in related works having completed at-least two Pumping Stations worth more than Rs. 300 million. Detailed CV along with PEC registration, to be submitted.

Max. Points 03

(b) List of employed Engineers with qualification and at-least 10 years' experience of working on Pumping Station Project along with documentary proof and PEC Registration Number (01 Point for each Engineer (02 Civil, 2 Mechanical and 1 Electrical)

Max. Points 05

(2) Design Team **Max. Points 17**

The Bidder shall submit the details of proposed Design Team / Consultant alongwith a firm commitment from the Design Team / Consultant that they will submit the complete design to KW&SB along with softcopy / design calculations, the Design Team / Consultant shall provide complete Design Services to the Bidder and shall take its design liability for the project if the project is awarded to the bidder. Design Team / Consultant shall be considered only if a valid PEC License as Consulting Engineer is provided having Specialization Codes of 1204 and above mentioned undertaking. The required details / evaluation criteria is:-

(a) Previous Design Experience

4.5 for each Engineer (Mechanical) who has overall 15 yrs. experience with atleast 2 projects of Pumping Station design experience.

Max. Points 09

(b) Proposed Principal Design Engineer (Civil)

Structure Engineer (ME-Structure) with 15 Years of experience and design experience of at least 2 Pump Houses (02 point per each engineer)

Max. Points 04

(c) Design Engineer (Electrical)

Electrical Engineer (ME-Electrical) with 15 Years of experience and design experience of at least 2 Pump Houses (02 point per each engineer)

Max. Points 04

d. EQUIPMENT CAPABILITIES **Max Point 05**

List of machinery and equipment intended to be used on the project with proof of ownership

Sr. No.	Description	Marks Assigned	Distribution of Marks
(1)	Excavator equipped with Jack hammer and bucket (2 Nos.) Owned or Leased	2	1 mark for each equipment
(2)	Crane with long boom 60 feet or more (02 Nos.) Owned or Leased	1	0.5 mark for each equipment
(3)	Welding Plant with mounted wheels with high amperage (2 nos.)	1	0.5 mark for each equipment
(4)	Transit mixer (2 Nos.) Owned or Leased	1	0.5 mark for each equipment

e. DOCUMENTARY EVIDENCE OF FINANCIAL SOUNDNESS **Max Point 20**

(1) Income Tax Return duly accepted by CBR of 5 years. *Max Points 03*

(2) Comprehensive Balance Sheet duly audited from Chartered Accountant for last 05 years. *Max Points 06*

(3) Financial Soundness Certificate atleast from AA rated bank *Max Point 01*

(4) Working Capital of last 05 years to be ascertained from Balance Sheet duly Audited by Chartered Accounted and Income Tax Return duly accepted by CBR.

Max Points 10

(a) Less than Rs. 300 M - 0 Points
(b) UptoRs. 450 M - 03 Points
(c) UptoRs. 600 M - 06 Points
(d) Above Rs. 600 M - 10 Points

Total Max Points 100

4. EVALUATION OF PROPOSALS

In response to the NIT published in leading National and International Newspapers, a total number of Ten (10) Firms / Bidders purchased the Tender Documents, having details as under:-

Sr No.	COMPANY NAME	ADDRESS	PHONE NO.
1	M/S ECHO WEST INTERNATIONAL (PVT) LTD	KARACHI OFFICE: C-27, KDA SCHEME NO. 1 MAIN KARSAZ STADIUM ROAD KARACHI PAKISTAN	+92-21-34311017-9
2	M/S MERAJ LIMITED	PLOT NO. 11 SECTOR 15, KORANGI INDUSTRIAL AREA KARACHI PAKISTAN 74900	+92-21-35050145-6
3	M/S KSB PUMPS COMPANY	REGIONAL SALES OFFICER: PARSA TOWER, 307 & 308, 3RD FLOOR, PLOT NO. 31/1-A BLOCK-6 PECHS SHARAH-E-FAISAL KARACHI	+92-2-34388306-09
4	M/S JAFFAR BROTHER (PVT) LTD	CITI TOWER, 33-A BLOCK-6 P.E.C.H.S SHAHRA-E-FAISAL KARACHI 74500 (PAKISTAN)	+92-21-34373111
5	M/S MATRACON PAKISTAN (PVT) LTD	REGIONAL OFFICE: OFF # 709 7TH FLOOR PAK AVENUE BUILDING SHAHRA-E-FAISAL KARACHI	+92-214-34300769
6	M/S USMANI INTERNATIONAL ASSOCIATES (PVT) LTD	ROOM NO. 109 1ST FLOOR PROGRESSIVE PLAZA, BEAMOUNT ROAD, KARACHI	+92-21-35653501
7	M/S A.G CONSTRUCTION COMPANY	E-3 FARZANA BUILDING 2ND FLOOR OFFICE NO.7 SHHEED-E-MILLAT ROAD, KARACHI	+92-21-34150609
8	M/S PAK OASIS (PVT) LTD	33-C KHAYABAN-E-ITTEHAD, LANE 1 DHA PHASE 6 KARACHI	+92-21-3534970
9	R.M GULISTAN ENGINEERS & CONTRACTORS	HEAD OFFICE: 18-C GROUND FLOOR NISHAT COMMERCIAL LANE NO 10 PHASE-VI, DHA KARACHI	+92-21-35245350-51
10	DEEN MUHAMMAD	Afzal Market, Nusrat Bhutto Colony	+021-36625359

A Pre-Bid Meeting was held in the Committee Room at 9th Mile, KW&SB Office on April 08, 2016 to address the Bidder's queries and was attended by the following Bidders / Consortiums:-

Sr No.	BIDDERS
1	M/s R.M. Gulistan Engineers and Contractors
2	M/s Jaffar Brothers (Pvt) Ltd
3	M/s KSB Pumps Company
4	M/s Pak Oasis (Pvt) Ltd
5	M/s Meraj Limited
6	M/s Echo West International (Pvt) Ltd
7	M/s Usmani International Associates (Pvt) Ltd
8	M/s Deen Muhammad

Subsequent to the Pre-Bid Meeting and the decisions made therein, an Addendum No. 1 was issued to all the bidders vide KW&SB Letter No: KW&SB/Secy(PC)/DP/2016/210, dated: 14 April 2016.

4.1 Opening of Technical Proposal

The Firms / Consortiums who purchased the Bidding Documents submitted their Technical Proposal on the Scheduled Date i.e. 21st April 2016 by 2:30 p.m. after which, the tender box was closed at 2:30 p.m. and opened at 3:00 p.m. in the presence of the Procurement Committee and the Bidder's representatives, who chose to attend.

One bidder M/s. Meraj Limited came late after the closing of tender box and requested for permission to submit his bid at 2:33 p.m, but the request was turned down by the other participating Bidder and the Procurement Committee.

Only one Bidder M/s. KSB Pump Company Ltd (Consortium with MADNI & ATL) submitted his Technical Proposals in shape of One Original + Two Copies, which was handed over to the Secretary of Procurement Committee.

One copy of the Technical Proposal comprising of Bidding Document (Vol-I, II & III) and Vol A, B, C, D & E) was forwarded to the Consultants M/s. Osmani & Co. Pvt. Ltd. for evaluation. The Consultants M/s. Osmani & Company (Pvt) Ltd vide letter No. OCL/K-90/100MGD/2016/0513/02 dated 13th May 2016 submitted the draft preliminary examination and determination of responsiveness of bids which is as under:-

MANDATORY REQUIREMENTS

No.	Contractors	Registration with PEC in Category C-B and above, Specialized in CE-04, CE-09, CE-10, ME-06, EE-04 & EE-05	Valid Registration with Income Tax Department & Sales Tax Department (YES / NO)	Valid Registration with Sindh Revenue Board showing Sindh Sales Tax No. (YES / NO)	Documentary evidence of the year of establishment of the firm (YES / NO)	Undertaking on Stamp Paper of Rs. 100/- that his Lump-Sum Fixed Price Bid (YES / NO)	Submission of Original Tender Documents purchased (YES / NO)	Litigation History or Affidavit on Stamp paper if no Litigation (YES / NO)	Affidavit on Stamp paper Rs. 100/- (notarized) of not Black Listed (YES / NO)	Valid Workable Design conforming to design parameter/ guidelines (YES / NO)
1	M/s. KSB + Madni + ATL	Y	Y	N	Y	Y	Y	Y	Y	Y

1). M/s. KSB + Madni + ATL

a). As per JV Agreement, M/s. KSB is Lead Partner.
b). Lead Partner i.e. M/s. KSB registered in CB Category, JV Partner M/s. Madni registered in C2 Category and JV Partner M/s. ATL has registered in CA Category.
c). On-line Verification Certificate with SRB submitted.
d). Prorata marks have been given against various works in overall works experience.
e). Monthly progress schedule, not submitted.
f). Profile of M/s. Exponent Engineers (Pvt.) Ltd. submitted as design consultants, registered in PEC.
g). Since only one Bid is submitted the Rule 48 of SPPRA 2010 should be adhered to.

4.2 Technical Evaluation (First Stage)

Certain queries and clarifications were provided to M/s. KSB Pump Company Ltd (Consortium with MADNI & ATL) vide KW&SB Letter No. KW&SB/Secy/Dhabeji/KW&SB/2016E dated June 01, 2016, which were accordingly responded by M/s. KSB Pump Company Ltd (Consortium with MADNI & ATL) vide Letter No. KSB/Dhabeji/2016/06 dated June 07, 2016 and is presented as under**Error! Reference source not found.**:-

First Stage Queries & Replies

S.No.	Bid Document Reference	Description	Queries	KSB – Madni-ATL Response
1	7.3.3. Work Item No. 2 chapter	Manual coarse screen	Frame & Rake material not as per chapter 7. Follow the chapter 7.	We confirm to follow the chapter#7 for manual coarse screen.
2	5.8.3 Degree of protection for Chapter 5 vol.11	Chain hauled rake screen	You are mentioned in Schedule of guarantees, motor of screen in IP 55. Please from the ch.5-6 (Motor IP 65)	We confirm the motor of screen will be IP65.
3	7.3.5 work item No.4 Chapter 7 vol-11,	Central flow band screen wash water quantities required per screen.	Bidder is not Provided the required quantities of water clarify.	The required wash water quantity for screen will be 17 liters per second.
4	Schedule of Guarantees.	Pumps 25 MGD	Bidder provided the Pumps RDLO instead of RDLO-V please clarify	There was typing mistake in submitted schedule of guarantees. We confirm that 25MGD pumps will be RDLO-V 600-885. All other document submitted in technical proposal related main pumps are of RDLO-V 600-885.
5	Schedule of Guarantees 700 mm.	Suction pipe	In Proposed Drawing, bidder mention in 900 mm please clarify,	In submitted Schedule of guarantees, the suction flange diameter of pump is 700mm whereas in drawings the suction pipe diameter is 900mm. The suction pipe will be connected to pump suction flange with a reducer of4R 900x700mm.

S.No.	Bid Document Reference	Description	Queries	KSB – Madni-ATL Response
6	600 mm Dia	Discharge Pipe	In Proposed Drawing, bidder mention in 900 mm please clarify,	In submitted Schedule of guarantees, the delivery flange diameter of pump is 600mm whereas in drawings the delivery pipe diameter is 900mm. The pump delivery flange will be connected to delivery pipe with an enlarger of 600x900mm.
7	7.3.7. Work item No. 6 Chapter .7 vol-II	25 MGD Pump	Test pressure of Pumps not up to the work of the Chapter volume II, clarify.	The pump test pressure is always determined from its working pressure (1.5 times of working pressure). In our case, the working pressure is 6.5bars (66meters). Therefore, pump test pressure will be 9.75bars.
8	7.3.8, 7.39, 7.3.10, 7.3.11 Chapter 7 Vol. II	Pipe Work	Bidder Proposal Pipe material A-36, which is not equal grade of ASTM 283 D. Pipe material should be, Proposed equal or high Side.	We confirm that the all MS pipes will be fabricated from mild steel plates of required thickness conforming toASTM 283 D.
9	7.4.6. work item No. 19	Motor Power factor on full load.	Power factor on full load mentioned in schedule guarantee is 0.81 instead of 0.82 please clarify or improve.	The proposed motor has 0.81 power factor at full load. There is substantial cost impact to improve it to 0.82 because of change in rotor materials.
	5.8.4 Chapter 5 vol-II	Cooling arrangement	Cooling arrangement of H.T. Motor shall be in accordance with BS-EN 600 34-6 Please clarify.	Cooling arrangement of offered HT motor will be in accordance with EN/IEC 60034.
	5.8.4 vol II Chapter 5.	Cooling class	Cooling class of H.T. Motor IC- 01 or IC 611 please Confirm.	Cooling class of offered HT motor is IC 411 which is higher in rating than IC 01.

S.No.	Bid Document Reference	Description	Queries	KSB – Madni-ATL Response
	5.8.2 Chapter 5 vol. II	Motor winding insulation	HT. Motor of Dhabeji Pump House is a continuous operation. So that it is better to improve the insulation class which is better to class F or B5 2757 clarify.	As per prevailing standards, the offered HT motor with insulation class F is suitable for continuous operations.
	5.10, 5.11. Chapter 5 vol-II	Temperature monitoring device	Temperature monitoring device compliance the Ref clause please clarify.	The offered HT motor has6 x PT100 for winding temperature monitoring and2 x PT100 for bearing temperature monitoring.
10	7.3.6 work item No. 5 Chapter 7 vol-II	Penstocks	Penstock should be epoxy paint clarify Bidder provided manual operation but is in Chapter 7 also have provision of Motorized operation please clarify.	We confirm that the offered penstock gates will be epoxy painted and will have provision of motorized operation.
11	7.4.4. Chapter 7 vo.11	Main 11 kV incoming Switch Board. Method of tripping	Method tripping either Mechanical & Electrical please clarify.	In main 11kV incoming switch board, the Method of tripping will be electrical.
12	7.3.8 work item 7	Electrical & Mechanical Suction branches Drawing Number 2610- WAT-GLSP-08-01	Suction pipe in channel is straight in concept Drawing but bidder change with bell mouth clarify / justify	The basic design parameter for valid guarantees is operating water level available at channel and other pumping stations which is 3.7 meter from the floor level. The suction pipe/bend Submergence Level based on Eq. 9.8.2.5.4-1 of HI 9.8 has to be below the 3.7 meter level (guaranteed operating water level by client) and as per HI 9.8 both geometries require different water levels in the sump which may or may not be below 3.7 m:

S.No.	Bid Document Reference	Description	Queries	KSB – Madni-ATL Response
12				Case-1 (90 Degree Suction Bend)The minimum submergence calculated from the formula Eq. 9.8.2.5.4-1 of HI 9.8 from the edge of bend is 2.23 m and thus by adding 0.75m of bottom clearance the minimum water level required is 2.98 meter which is below operating water level of 3.7 and is thus acceptable with a safety margin of 0.7m. Thus operating water level has to be ensured by client to be 3.7m with minimum water level not going beyond 2.98m reference to floor. Case-2 (Straight Suction Pipe) The minimum submergence calculated from the formula Eq. 9.8.2.5.4-1 of HI 9.8 from the center of pipe is 2.23 m and thus by adding 2.249 m of center of pipe height the minimum water level required 4A79 meter which is not physically available and thus not acceptable. Both cases are shown on attached drawing no. 3.
		Drawing Number 2610- WAT-GLSP-08-10	A key is shown below 90 elbow please clarify.	A key is shown on drawing below 90 suction bend to accommodate installation of vortex breaker on floor which will be ascertained during Sump Model Test. Please also refer to your previous K-III Project.
13	7.3.2 Work item No. 1	Pump Intake sump Model Test. Design flow (Hydrotec Report)	Hydrotec report shows higher flow 1.85 M3 /s instead of 1.32m^3/s please clarify.	The Hydrotec had performed the Sump Model Test for K-III project in 2003. For current project, they have provided us the offer with reference to K-III

S.No.	Bid Document Reference	Description	Queries	KSB – Madni-ATL Response
	7.3.2 work item No.1	Model Scale (Hydrotec Report)	In your report discharge flow is higher side 1.76 m^3/s instead 1.32m^3/s	project. But, we hereby confirm that the sump model test will be performed on flow of 1.32m^3/s and with operation scheme of 04nos. Pumps on duty.
	7.3.2 Work item No. 2	Number of Duty Pumps	Bidder shown in report 3Pumps in operation instead of 4 Pumps, clarify.	
14	2610-Elect-SLC-06-01	11KV Switch Board	Single line diagram of 11KV switch Board is not provided by the bidder , reply the same	The required single line diagram will be submitted for approval after detailed designing of project.
15	2610-01-09-02-IT-100	Telephone layout	Telephone layout Drawing not provided by the Bidder.	Please find attached the telephone layout drawings
16	2610-01-09-02-IT-100	PLC/SCADA system	Single line Diagram not provided by the Bidder.	The required single line diagram will be submitted for approval after detailed designing of project.
17	2610-Elec-EPPH-03-01	Drawing of First Floor & Ground Floor power	Conduit route not Provided up to DB-GF.	The required amendment will be made during detailed designing of project.
18		Ground floor five alarm system	Routing of Cable in motor room is not provided.	Same as above.
19		Civil Work. Roof of Pump House.	In your proposed Drawing the pump house building roof slope is not as per Concept Drawing of the client. Redesign the slope accordingly.	Redesigning of pump house building roof slope will be done during the detailed designing of project.
20	7.4.15 work item No. 28	Emergency light system	Drawing of emergency light-system not provided in the technical proposal.	The required drawing will be submitted after the detailed designing of project.

5. EVALUATION OF TECHNICAL PROPOSAL (2nd stage)

The Secretary (Procurement Committee) Dhabeji Project KW&SB vide Letter No PM/Secy(PC)/Dhabeji/KW&SB/2016/237 dated June 10, 2016 addressed to KSB-Madni-ATL (Consortium) informed them that they have qualified in the first stage of bidding process and KW&SB now invites you to participate in the second stage of bidding as per clause IB 18(b), and the second stage bidding document may be obtained from the office with following details :-

a. Date of Issuance of Tender Documents	June 10, 2016
b. Last Date of Submission	July 26, 2016 by 02:30 pm
c. Tender opening time date	July 26, 2016 by 03:00 pm
d. Place of Submission / opening of Bid	Committee Room Block C, KW&SB office 9th Mile, Karsaz – Karachi

Accordingly, M/s. KSB Pump Company Ltd (Consortium with MADNI & ATL) submitted the Technical / Financial Proposals as per above schedule. The Technical Proposal was subsequently opened in the presence of Procurement Committee, while the Financial Proposal was handed over to the Secretary, Procurement Committee for safe custody and financial opening at a later stage.

The Secretary (Procurement Committee) Dhabeji Project KW&SB vide Letter No: KW&SB/Secy/PC/DP/2016/248 dated July 29, 2016 provided Second Stage Bidding document to the Consultant, M/s. Osmani & Co. Pvt. Ltd., comprising of (Vol I, II, III) and (Vol A, B, C, D, E) for Technical Evaluation.

5.1 Evaluation of Design Proposal (Second Stage)

The second stage proposal submitted by M/s. KSB Pump Company Ltd (Consortium with MADNI & ATL) has been evaluated and the details of evaluation is hereby presented as under:-

List of Technical Documents Submitted in Second stage

Sr. No.	Description	Original Technical Bid (Vol-I) Documents
1	**Schedule A - To Bid**	Yes
1.1	**Specific Work Data**	
1.1.1	**Technical Literature**	
	• Sump Model Test	Revised
	• Pumps	Yes
	• Surge Analysis	Yes
	• Carden Shaft	Yes
	• Manual Coarse Screen	Yes
	• Chain Hauled Screen	Revised
	• Central Flow Band Screen	Yes
	• Penstock	Yes
	• Flow Meter	Yes
	• Valves	Yes
	• Electric Overhead Gantry Crane	Yes
	• MV - LV Panels	Revised
	• Motors	Yes
	• Transformer	Yes
	• PLC / SCADA System	Yes
	• Instrumentation Panels	Yes
2	**Method of performing work**	Yes
	• KSB - Madni - ATL	
	Schedule C to Bid - Page 39	
3	**Proposed program of work**	Yes
	• KSB - Madni - ATL	
	Schedule D to Bid - Page 41	
4	**Work to be performed by Sub Contractor**	Yes
	Schedule **E** to Bid - **Page 42**	
5	**Deviations from Technical Provisions**	Yes
	• KSB - Madni – ATL	
	Schedule **F-1** to Bid - Page 43	

6	**Deviations from Contractual Conditions**	Yes
	• KSB - Madni – ATL	
	Schedule F- 2 to Bid - Page 44	
7	**Specific Operation / Plant and Equipment Detail**	Yes
	Schedule G to Bid - Page 45	
8	**JV / Consortium Agreement**	Yes
	• KSB - Madni – ATL	
	Schedule H to Bid - Page 46	
9	**Past & Present Commitments**	Yes
	• KSB	
	• Madni	
	• ATL	
	Schedule Ito Bid - Page 47	
	***Technical Bid (Volume-1-E)* Drawings**	Revised
1	**Submission of Design** (Bidding Data)	
	Evaluation of Criteria	
1.1	Satisfactory/ Workable Design	Yes
1.2	Proposed Detailed Construction Schedule	

6. Observations on Design (2nd Stage)

6.1 Submergence Calculation

Based on the available information, the required submergence is 2.23 m. Calculation of submergence calculated and submitted by KSB was Verified by M/s. Osmani & Co. Pvt. Ltd. and is presented in Table below. In KSB's drawing No., KWSB Ph A-03 (*Figure 6-1*) minimum water level is not given in drawing, so available submergence as per design cannot be calculated. KSB agreed to provide this level during the detailed design phase of the project. The minimum water level, however was determined by the hydraulic profile drawing No. KWSB IC –S-01 (Figure 6-2). These drawings shall be further developed during the detailed design phase of the project.

Submergence Calculation

Input			
Flow of the liquid	Q=	1320	L/s
Flow of the liquid	Q=	1.32	m3/s
Diameter of the pipe	D=	1000	mm
Diameter of the pipe	D=	1	m
Acceleration of gravity	g=	9.8	m/s2
Pi	pi=	3.14	
Output			
Area of the pipe	A=	0.79	m2
Velocity of the liquid	v= Q/A	1.68	m/s
Froude number	Fd= V/(gD)0.5	0.54	
Submergence	S=(1+2.3Fd)D	2.23	m

As per report of the Consultants, submergence calculation is found to be satisfactory.

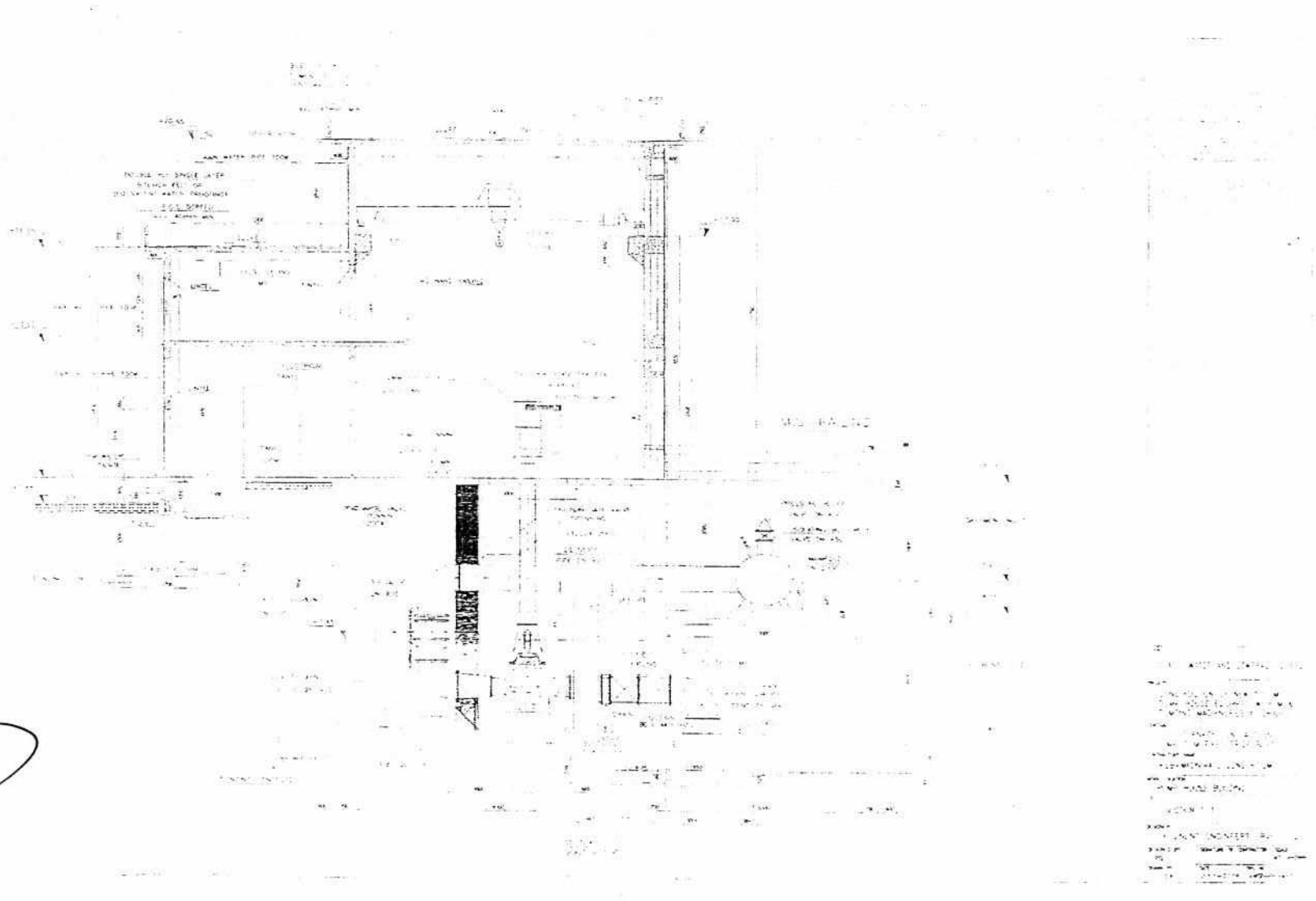


Figure 6-1: Drawing KWSB – PH- A - 03

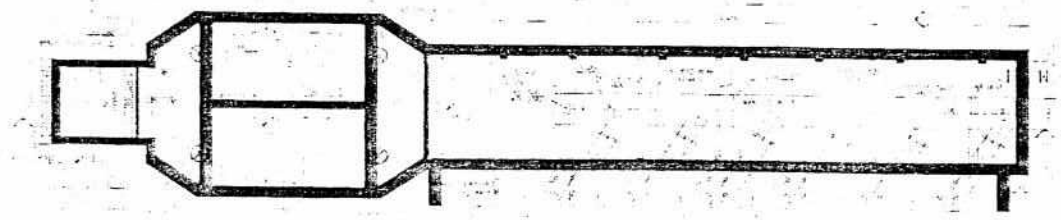


Figure 6-2: Drawing KWSB IC – S - 01

6.2 NPSHa Calculation

As per report of Consultant, M/s. Osmani & Co. Pvt. Ltd., the required NPSH for pump is 5.8m in KSB's pump specification and considering 3% of NPSH it is 5 m. Refer to the pump data as submitted by KSB for pump RDLO V 600-885 A1 GC PF and is presented below:-

Data sheet

KSB

Customer item no.:
Communication dated: 02/12/2015
Doc. no.: Dhabeji
Quantity: 6

Number: 4002608454
Item no.: 200

RDLO V 600-885 A1 GC P F

Version: 2

Operating data

Requested flow rate	4748.20 m³/h	Actual flow rate	4748.20 m³/h
Requested developed head	66.00 m	Actual developed head	66.00 m
Pumped medium	Water	Efficiency	89.1 %
	Clean water	Power absorbed	942.00 kW
	Not containing chemical and mechanical substances which affect the materials	Pump speed of rotation	744 rpm
		NPSH required	5.80 m
		NPSH 3%	6.00 m
Ambient air temperature	20.0 °C	Shutoff head	78.80 m
Fluid temperature	20.0 °C		
Fluid density	998 kg/m³		
Fluid viscosity	1.00 mm²/s	Design	Single system 1 x 100 %
Suction pressure max.	0.00 bar.g	Performance test	Yes
Max. power on curve	1000.00 kW		

Design

Pump standard	KSB axially split volute casing pump	Minimum impeller diameter	705.0 mm
		Direction of rotation from drive	Clockwise
Design	With universal joint cardan shaft	Bearing seal driver side	V ring
Orientation	Vertical	Bearing type driver side	Anti-friction bearings
Suction flange (AS) according to	EN 1092-2 / DN 700 / PN 10 21A / FF	Lubrication type driver side	Grease
		Bearing sealing end side	V ring along with standard labyrinth ring
Discharge flange (AD) according to	EN 1092-2 / DN 600 / PN 10 21A / FF	Bearing type end side	Anti-friction bearings
		Bearing lubrication end side	Grease
Shaft seal	Gland packing	Temperature measurement tapping	With
Manufacturer	KSB		
Type	RT-P		
Sealing plan	PC Gland packing (external circulation with cyclone separator)	Temperature sensor PT100 motor side	With
		Vibration measurement tapping	With
Dirty water operation	Pumped liquid with max. 100 mg/l solids.		
Wear ring	Casing wear ring		
Wear ring type	Standard design		

Driver, accessories

Coupling	With	Drive standard mech.	IEC
Coupling guard	With	Drive supplied by	KSB
Baseplate	With	Number of poles	8
Driver type	Electric motor		

Materials GC

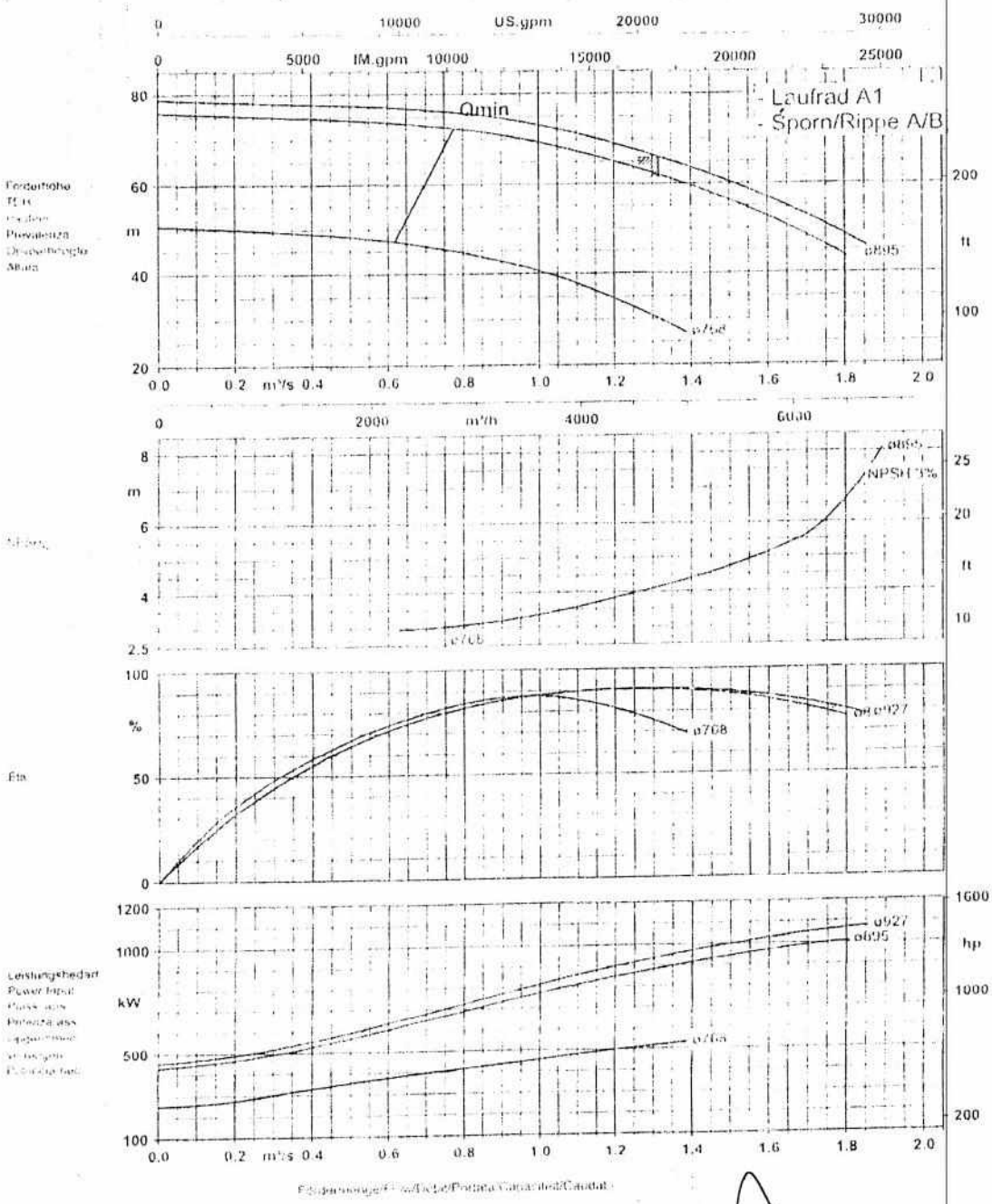
Notes
general criteria for a water analysis: pH-value >= 7, chloride content (Cl) <=250 mg/kg, chlorine (Cl2) <=0.6 mg/kg. Ammonium (NH4+) <= 2 mg/kg, free of H2S. Chlorine (Cl2) <=0.6 mg/kg.

Volute casing (102)	Grey cast iron EN-GJL-250	Bearing housing (350.1)	Grey cast iron EN-GJL-250
Pump shaft (211)	Chrome steel 1.4021+QT800	Bearing housing (350.2)	Grey cast iron EN-GJL-250
Double-entry impeller (234)	Stainless steel 1.4408	Shaft seal housing (441)	Grey cast iron EN-GJL-250
		Casing wear ring (502)	CX2CRNIMOCUN25-6-3-3 1.4517
		Shaft protecting sleeve (524.1)	GX120CRMO29-2 1.4138

RDLO 600-885 A1

744 1/min

KSB



Calculation of available NPSH is not submitted by the Bidder and needs to be submitted by contractor (KSB). However, available NPSH is estimated 8.5 m by M/s. Osmani & Co. Pvt. Ltd. in their report and calculation is shown below. This needs to be verified during detailed design by the bidder and was agreed upon by the bidder in a meeting on 30th August 2016 at KW&SB office.

NPSHa Calculations

Absolute pressure on liquid surface	p=	101325	Pa
Temperature of the liquid	T=	20	°C
Specific weight of the fluid	ᵞ=	9788	N/m^3
Static pressure on the fluid surface	p / ᵞ=	10.35	m
Velocity of the liquid	V=	2.1	m/s
Acceleration of gravity	g=	9.81	m/s^2
Distance from centerline of the pump to the fluid level	h=	1.5	m
Head lost due to friction	hL=	0.28	m
Vapor pressure of the liquid	hv=	0.24	m
Net positive suction head available	NPSHa=	8.56	m
Net positive suction head available	NPSHa=	28.08	ft

6.3 Screen Chamber

The Consultant, in his report stated that the Screen Chamber footprint as submitted by the bidder extends westward on the existing road. The bidder agreed that the footprint of the screen chamber shall be reevaluated during the detailed design phase of the project. The projected screen chamber as shown in KWSB – OH – 1 – 01 attached as Figure 6-3 below.

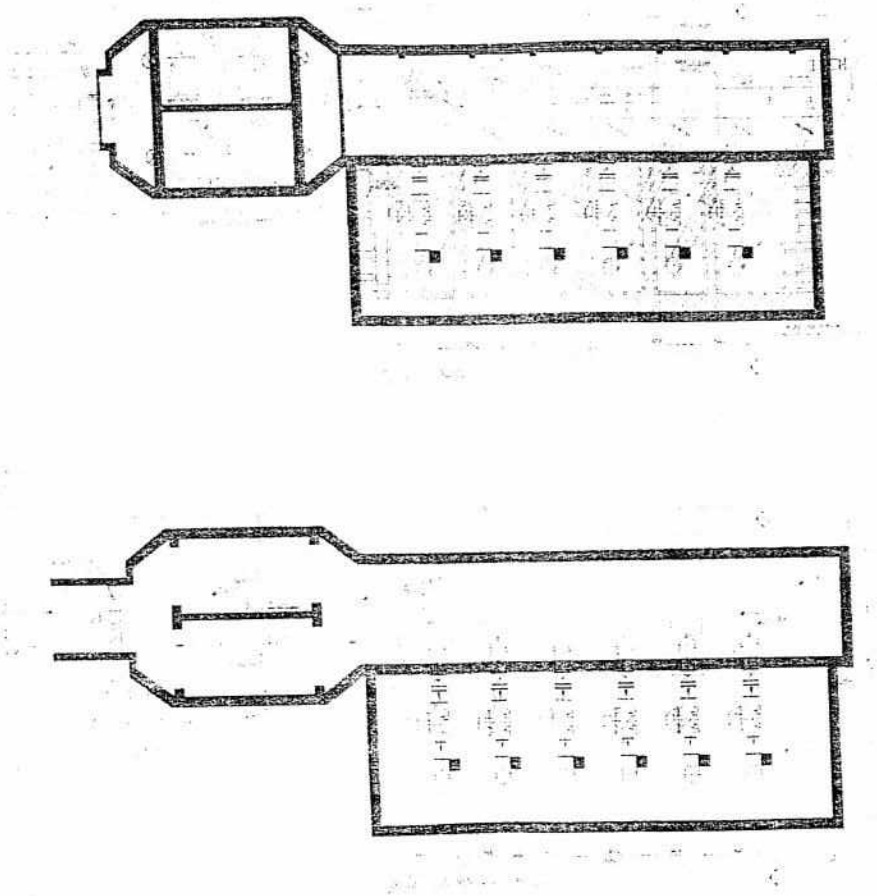


Figure 6-3: Projected screen chamber

6.4 General Comments on Drawing

6.4.1 All Pumping Equipment including, Pumps Motors, Valves, Pressure Reducing Valves, Flow Meter, Actuator, Surge Control Equipment MV , LT Panels & Overhead Crane, shall be from the World renowned Manufactures as per Bidding Document. Key Equipment and their Country of Origin as submitted by the Bidder is presented in *Table 6-4*.

Table 6-4: Key Equipment of Country of Origin

S. No	Description	Eligible Countries
1.	Sump Model Test	Hydrotec Consultant Ltd. United Kingdom
2.	Surge Analysis	Pakistan
3.	Manual Coarse Screen	Pakistan
4.	Chain Hauled Screen	Italy
5.	Central Flow Band Screen	Italy
6.	Penstock	Pakistan
7.	Pumps	KSB – Germany
8.	Cardon Shaft	KSB – Pakistan
9.	Motors	Siemens – U.K
10.	Pipe works	Pakistan
11.	Over Head Crane	Misia Paranchi – Italy
12.	Butterfly Valves	KSB – Italy / Europe
13.	Non Return Valves with Hydraulic Damping device	KSB – Italy / Europe
14.	Pressure Relief Valves	KSB – Italy
15.	11 KVA switchgear	Pakistan
16.	Transformer	Pakistan
17.	Cables	Pakistan
18.	LV distribution	Pakistan
19.	PLC / SCADA System	Pakistan
20.	Flow Meter	Endress + Hauser – Switzerland
21.	Instrumentation Panels	Pakistan

The twelve items listed in *Table 6-4* are individually addressed in the following sections.

6.4.2 Sump Model Test

Refer Technical Bid Vol. 1-D Attachment

a. Has submitted / referred Hydrotec Consultant. Ltd United Kingdom (U.K)
b. Reference list is not mentioned specifically
c. Scope and Description of Sump Model Test is available.
d. Procedure and Instrument used for Sump Model Test is not mentioned.
e. Test Criteria is mentioned.
f. A General Presentation is attached, which needs to be Project specific.
g. Test Criteria of M/s Hydrotec is available and 6 Types of Vortices should be developed during the Model.
h. General Description is provided, which needs to be Project specific.
i. M/s. Hydrotec Consultant Ltd U.K. has already carried out the Sump Model Test for previous K–III 100 MGD Pump House.

6.4.3 Surge Analysis

Refer Technical Bid Vol. 1-D Attachment (1.1.1)

a. Surge Analysis Graphs are attached with the Technical Literature in Vol.1-D.
b. AFT Impulse Model Report of Dhabeji Pumping Station is also provided by KSB Pumps.
c. M/s. KSB has submitted the letter vide No: KSB.MADNI & AIL / KHI/03 dated 04th August.2016 to confirm that the Exponent Engineering Consultant is providing the Surge Analysis facility

6.4.4 Manual Coarse Screen

(Refer Volume II. Schedule of Guarantee CH. 8-2)

a. Make ATL
b. Country of Manufacturer : Pakistan
c. The Coarse Screen meets the technical requirements as per specifications.
d. The Height and Width of Coarse Screen is as per Design by the Contractor.

6.4.5 Chain Hauled Raking Bar Screen

(Refer Technical Bid Vol. D Attachment – Technical Literature Chain Hauled Raking Bar Screen)

a. Make : Sereco
b. Country of Manufacturing : Italy
c. The Chain Hauled Raking Bar Screen meets the Technical Requirement. Spacing between Bars (12.mm) and Design Flow of 5.3m^3/sec is confirmed. Head Loss is within Limits.
d. The Height and Width of Bar Screen is as per Contractor's Design.
e. The controlling mechanism through PLC / SCADA is not mentioned.
f. Reference List is attached.
g. Material of Construction meets the Specification.
h. Contractor confirms that motor of screen will be IP 65 protection in Schedule of Guarantee.

6.4.6 Central Flow Band Screens

Refer Technical Vol.D. - Technical Literature – Central flow Band Screens

a. Make: Sereco
b. Country of Manufacturing : Italy
c. The Central Flow Band Screen meets the technical requirement. Mesh size (2mm) and Design Flow of 5.3m^3/s is confirmed. Head Loss is also within limits.
d. The Height and Width of Band Screen is as per Design by the Contractor.
e. The Controlling mechanism through PLC / SCADA is not mentioned.
f. Reference list is attached.
g. Material of Construction meets the Specification as per Bidding Document.

6.4.7 Penstock

(Refer Technical Bid Vol. A. Technical Literature - Penstock)

a. Make : ATL (Pakistan)
b. Country or Manufacturing : (Pakistan)
c. Penstock Length and Width is as per Design by the Contractor.

d. Detail is shown in Drawing attached in the Vol: 1-D without Motorized Operation, it is needed to be improved as per Guidelines of the Bidding Document.

6.4.8 Pumps

(Refer Technical Bid Vol. D. attachment 7.1.1 – Technical Literature - Pumps)

a. Make : KSB (RDLO-V. 600-885)
b. Country of Manufacturing : Germany
c. Efficiency 89.1% (meets the Tender Specification)
d. Flow at Duty Point: 1.32m^3/s (meets the Tender Specifications)
e. Duty Head 66 m (meets the Tender Specifications)
f. Pump curves are provided.
g. Working and Test Pressure are as per Tender Specifications
h. Material of Construction as per Tender Specifications
i. Rating: 10 Bar, Test Pressure: 9.7 Bar (should be improved at least 15 Bar as per Tender Specifications)
j. Suction Dia : 700 mm
k. Discharge Dia : 600 mm (min)
l. Bearing Temperature Monitoring is not found in Technical Literature, which should be provided.

6.4.9 Cardon Shafts

(Refer Technical Bid Vol. D. Technical Literature – Pumps and Schedule of Guarantees)

a. Make : KSB
b. Country of Manufacturing : Pakistan (Since Shaft is a major Equipment, therefore, the offered Shaft is needed to be replaced by Cardon Shafts from approved Countries i.e UK/Europe as mentioned in Tender Specifications)
c. Diameter of Shaft: 225 mm
d. Material of Construction: Steel (Material should be Stainless Steel or Carbon Steel).

6.4.12 Electric Overhead Gantry Crane

(Refer Technical Bid Vol. D. - Technical Literature Crane and Schedule of Guarantees)

a. Make : Misia Parachi
b. Country of manufacturing : Italy
c. Lifting Capacity : 16 Tonne (meets the Tender Specifications)

6.4.13 Butterfly Valves

(Refer Technical Bid Vol. D. - Technical Literature Valves and Schedule of Guarantees)

a. Make : KSB
b. Country of Manufacturing : Italy / EU
c. Working Pressure: 10 Bar (meets the Tender Specifications)
d. Test Pressure : 15 Bar (meets the Tender Specifications)
e. Material of Stainless Steel (meets the Tender Specifications)

6.4.14 Non Returns Valves

(Refer Technical Bid Vol. D. - Technical Literature Valves and Schedule of Guarantees)

a. Make: Valvotubi KSB
b. Country of Manufacturing : Italy / EU
c. Diameter: 900 mm (meets the tender Specifications)
d. Working. Pressure: I0 Bar (meets the Tender Specifications)
e. Test Pressure: 15 Bar (meets the Tender Specifications)
f. Type: Titling Disc
g. Body: Ductile Iron
h. Disc: Ductile Iron

6.4.15 Pressure Relief Valves

(Refer Technical Bid Vol. D. - Technical Literature Valves and Schedule of Guarantees)

a. Make : KSB
b. Country of Manufacturing : Italy
c. Diameter : 450 mm (meets the Tender Specifications)

d. Working Pressure: 10 bar (meets the Tender specification)
e. Test Pressure : 16 bar (meets the Tender Specifications)
f. Seat : Stainless Steel
g. Body Ductile Iron

6.4.16 11 KV Switchgear

(Refer Technical Bid Vol. D. - Technical Literature MV AND LV Panels and Schedule of Guarantees)

a. Make : Schneider / Siemens
b. Country of Manufacturer : Pakistan
c. Short time will stand current of Switchgear and Bus Bar One Second - 25 KA, Three Second 25 KA VCB
d. Service Voltage: 11 KV (meets the tender specification)
e. Frequency: 50 Hz (meets the Tender Specification)
f. Type: Vacuum CB (meets the Tender Specification)
g. Current Rating - income: Rated Bus Bar Current 1250 A (meets the Tender Specification)
h. Current Rating - Transformer: Rated Bus Bar Current 1250 A (meets the Tender Specification)
i. Current Rating - Motor: Rated Bus Bar Current 1250 A (meets the Tender Specification)
j. Max. Temp. rise at rated Bus Bar above 45 C: ambient as per IEC 62271-200 (meets the Tender Specification)
k. Method of Closing - Motorized stored Energy mechanism.
l. Method of tripping - Electrical / Mechanical.

6.4.17 Transformer

(Refer Technical Bid Vol. D. - Technical Literature Transformer and Schedule of Guarantees)

a. Make : PEL
b. Country of Manufacturing : Pakistan

c. Rating: 250 KVA (meets the Tender Specification)

d. Max. Short Circuit duration: 2 Second (meets the Tender Specification)

e. Protection (meets the Tender Specification)

f. Ambient Temperature. 45°C

g. Bill: HVLI 75 AC 28 (meets the Tender Specification)

h. Type Indoor / Outdoor

6.4.18 Cables

(Refer Technical Bid Vol. D. - Technical Literature and Schedule of Guarantees)

a. Make : Pakistan Cables / New age

b. Country of Manufacturing : Pakistan

c. 11 KV Type : CU/XLPF/SNATA/PVC (should be SWA as well as per tender specification)

d. 400/230 V Type CU/ PVC

6.4.19 LV Distribution

(Refer Technical Bid Vol. D, - Technical Literature- MV and LV Panels and Schedule of Guarantees)

a. Make : Schneider / Siemens

b. Country of Manufacturing : Pakistan

c. Bus Bar Rating 400 A (meets the Tender Specification)

d. Bus Bar Fault Rating 50 KA for 01 Second

e. Make of MCCB/ACB Schneider / Siemens

6.4.20 PLC / SCADA

(Refer Technical Bid Vol. D. - Technical Literature- PLC/SCADA System)

a. Make : Siemens/ Schneider

b. MIS Software: Siemens

c. Hardware and Software : As per their Design by the Contractor

d. PLC / Software Make Siemens

6.4.21 Flow Meter

(Refer Technical Bid Vol. D. - Technical Literature- Flow Meter and Schedule of Guarantees)

a. Make : Endress + Haurer
b. Country of Manufacturing : Switzerland
c. Type: Electromagnetic
d. Pressure Rating : 10 Bar
e. Diameter : 1800 mm
f. Body Material Steel
g. Flow Range 5.3 m^3/s
h. Flange Rating - PN10

6.4.22 Instrumentation Panels

Refer Technical Bid Vol. D. - Technical Literature- Flow Meter and Schedule of Guarantees)

a. Make : Siemens
b. Country of Manufacturing : Pakistan
c. Instrumentation Panels meets the technical requirement as per Document.

7. RECOMMENDATION / CONCLUSION

In pursuance of the Evaluation of Technical Proposals (Stage-I & II) carried out in the preceding pages of this Report and in view that M/s. KSB Pumps Company Pvt. Ltd is the lead partner of the Consortium formed for the subject project and is a Multinational Company having manufacturing facility in Pakistan and offers to provide after Sales Services for the Equipment to be procured under the subject project, being a mandatory requirement of Bidding Document. The Consortium, M/s. KSB-MADNI-ATI by and large followed the requirement of Technical Specification mentioned in the Tender Document.

However, the Detailed Technical Evaluation (Second Stage) carried out in accordance to the Standards and Technical Requirement of the Bidding Documents reveals that there are certain minor deviations found in the Technical Proposal which are as under:-

a. KSB MADNI – ATL Consortium has offered Cardon Shaft manufactured in Pakistan, Cardon Shaft is an important part of the Pump and needs to be replaced with Cardon Shaft manufactured in European Countries.
b. Penstock has also been offered by the Contractor without any motorized operation, being an important part Penstock with motorized operation may be incorporated.
c. The Technical Proposal in general was found to be acceptable.
d. The Bidder has agreed to provide some clarifications during the Detailed Design Phase of the Project as presented in the preceding chapters.
e. The Screen Chamber extends on the roadway to the Western side of the demarcated area. This should be realigned to ensure smooth traffic flow.

f. Channel Levels in the incoming Conduit from Gharo and the relative depths in the New Pump Station should be clearly identified. A final Drawing based on the guideline Drawing No. 2610-WAT-PPLY-05-01 should be provided.

g. Water Levels should be clearly marked on the submitted Drawing No. KWSB-Ph-A -03

h. Net Positive Suction Head available, Calculations should be provided based on the Submergence Levels of the Intake and as shown on the Drawing submitted for Water Levels.

During the 1st Stage Evaluation, it was observed by the Procurement Committee that the Contractor, has not submitted with his Proposal, the valid Registration with Sales Tax Department and Certificate of Registration in SRB with Sales Tax No. (SSTN), being a mandatory requirement. Accordingly, the same were acquired from the Contractor and the Procurement Committee also forwarded the same to the Consultant M/s. Osmani & Co. Pvt. Ltd. for considering them in the Evaluation Process and since being a minor deviation and on the ground that only one Bidder has participated in the process, it was decided by the Procurement Committee that this minor deviation on part of the Contractor may be condoned in the best interest of avoiding delay in the implementation of the Project.

The Project is based on EPC Contract, whereby complete responsibly of the Design rests with the Contactor i.e. M/s. KSB MADNI – ATL Consortium. Accordingly, the Bidder has to incorporate all of the above changes / clarifications in the bid and resubmit the Design of the Pump House.

Therefore, in the light of the details illustrated in this Evaluation Report as well as in the Technical Evaluation Report submitted by the Consultant, M/s. Osmani & Co. Pvt. Ltd. and in consideration of all aspects related to the tender, after due deliberation and consensus, the Procurement Committee recommends that the Technical Proposal

submitted by the Bidder, M/s. KSB-MADNI-ATI, broadly meets the Technical requirement of the subject Project. However, an Undertaking shall be obtained from the Bidder that deviation as indicated under Section-7 (Recommendation / Conclusion) above will be incorporated by the Bidder and he will resubmit the Design within seven (07) days from the date of receipt of Technical Qualification at no additional Cost to the Employer, the Bidder qualifies for the next stage of Bidding i.e. Opening of Financial Proposal.

Muhammad Iqbal
M/s. Osmani & Pvt. Ltd.
Member

Intekhab Ahmed Rajput
Project Manager (Dhabeji) KW&SB
Member / Secretary

Asif Ali Khan
Dy. Project Manager (Dhabeji)
KW&SB
Member

Maqsood Ahmed Shaikh
S.E. (Civil) Deptt. (KMC)
Member

Tariq Ansari
E.E (E&M) Deptt. KMC
Member

Mazhar Abdi
A.E.E. Dhabeji (KW&SB)
Member

Azam Khan
Chief Engineer (E&M) Sew,
KW&SB
(Convener)

KARACHI WATER & SEWERAGE BOARD

Office of the Secretary (Procurement Committee)

100 MGD Dhabeji Project

9th Mile Karsaz, Shahrah-e-Faisal, Karachi, Room # 4 Block-B, KW&SB
Cell # 0333-2103512 E.mail : intekhab.ahmed @yahoo.com

27242

No. KW&SB/Secy/Dhabeji/2016/01
Dated: 18-08-2016

To,

M/s. KSB Pumps Company Ltd. – M/s. Madni Engineering Construction Company. M/s. Al-Tariq Constructor Pvt. Ltd. (CONSORTIUM)
Parsa Tower 307 & 308, 3rd Floor Plot No. 31/1-A,
Block-6, PECHS, Shahrah-e-Faisal,Karachi.

Construction of New 100 MGD Pump House
(Equipped with M&E Pumping Machineries) at Dhabeji

SUB: EXTENSION OF VALIDITY PERIOD OF TECHNICAL / FINANCIAL PROPOSALS REGARDING CONSTRUCTION OF NEW 100 MGD PUMP HOUSE (EQUIPPED WITH M&E PUMPING MACHINERIES) AT DHABEJI

Pursuant upon Instructions to Bidders IB Clause – 16.2 of the Bidding Document Volume-I, you are requested to extend the validity period of your Technical Proposal submitted for the Construction of New 100 MGD Pump House (Equipped with M&E Pumping Machineries) at Dhabeji, upto 16th of December 2016, in order to conclude the procurement proceedings.

You are requested to submit your response before the expiry of Validity Period of your Technical Proposal.

18/08/2016

SECRETARY
(Procurement Committee)
100 MGD Dhabeji Project, KW&SB

SPPRA INWARD DIARY NO: 1208 DATED: 8-2-17

Copy to :-

1. Project Director (100 MGD) Dhabeji, KW&SB
2. M/s. SPPRA
3. M/s. Osmani & Co. (Pvt). Ltd

for n/a plz
8/2

AD (Panjal SB)

No. A.D(V)//SPPRA(27242/KW&SB)/2016-17/10533

GOVERNMENT OF SINDH
SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

Karachi, dated the ~~16~~ 13 February, 2017

To,

The Project Director,
100 MGD (Dhabeji Project),KW&SB,
Block-C ,9th Mile Karsaz, Shahra-e-Faisal,
Karachi.

Subject: **NIT NO.KW&SB/Secy/(P.C) D.P/2016/201, DATED 28-03-2016 (Sr. No. 27242).**

I am directed to refer to your letter vide No. KW&SB/Secy/Dhabeji/2016/01, dated 180-08-2016 on the subject NIT and to observe that Consent of bidders for validity in extension period may be required.

2. It is therefore requested to furnish **consent of bidders for validity extension** at the earliest. It may be noted that the compliance of SPP Rules, 2010 (amended 2017) in letter and spirit is the sole responsibility of procuring agency.

(MOHAMMAD PANJAL ZANGEJO)
ASSISTANT DIRECTOR (ASSESSMENT)

Copy forwarded for information to.

1. The Managing Director, Karachi Water & Sewerage Board, Karachi.
2. The Staff Officer to MD, SPPRA.

Recieved
14/2/17

KARACHI WATER & SEWERAGE BOARD

Office of the Secretary (Procurement Committee)

100 MGD Dhabeji project

9th Mile Karsaz, Shahra-e-Faisal, Karachi, Room # 7 Block-B, KW&SB
Ph: (021) 99245122

No.Secy/PC/Dhabeji/17/29
Dated: 20.02.2017

The Assistant Director (Assessment),
Sindh Public Procurement Regulatory Authority,
Block-8, Sindh Secretariat No.4-A,
Court Road,
Karachi.

SUBJECT:- NIT NO.KW&SB/SECY/(P.C)/DP/2016/201 DATED 28.3.2016 (SR. NO.27242)

Ref.:- No.AD(V)/SPPRA(27242)/KW&SB/2016-17/10533 dated 13.2.2017

With reference to above cited letter and in continuation to letter No.KW&SB/Secy/Dhabeji/2016/01 dated 18.8.2016, the copy of consent of bidder for validity extension is enclosed herewith.

Now, it is requested to please release the withheld I.D. for above cited NIT.

Your cooperation will highly be appreciated, please.

20/02/2017

(INTEKHAB AHMED RAJPUT)
S E C R E T A R Y
(Procurement Committee)
100 MGD Dhabeji Project, KW&SB

Copy to:-

1. The Project Director (100 MGD) Dhabeji, KW&SB.
2. The D.P.M., 100 MGD Dhabeji, KW&SB.
3. M/s. Osmani & Co. (Pvt.) Ltd.

SPPRA INWARD DIARY NO: 1526 DATED: 21-2-17

Pl: examine & 21/2

(Rajput Sb)

KSB – MADNI – ATL (CONSORTIUM)

Dated: August 18, 2016

To,

The Secretary,
(Procurement Committee),
100 MGD Dhabeji Project-KW&SB

Contract: **Construction of New 100 MGD Pump House (Equipped with M&E Pumping Machineries) at Dhabeji.**

Subject: **EXTENSION OF VALIDITY PERIOD OF TECHNICAL PROPOSAL REGARDING CONSTRUCTION OF NEW 100 MGD PUMP HOUSE (EQUIPPED WITH M & E PUMPING MACHINERIES) AT DHABEJI**

Dear Sir,

As desired by you vide Letter No. **KW&SB/Secy/Dhabeji/2016/01. dated 18-08-2016**, for the extension in validity period of Technical Proposal for the Construction of New 100 MGD Pump House (Equipped with M & E Pumping Machineries) at Dhabeji, we hereby extend the validity period of our Technical Proposal up to 16th of December 2016.

Thanking you,

KSB-Madni-ATL (Consortium)

Yours faithfully,

Ahmed Hussain
Sr. Manager (Proposal)

KSB - MADNI - ATL CONSORTIUM PAKISTAN

Consortium Leader
KSB Pumps Company Limited,
307 & 308, 3rd Floor Parsa Tower, Block 6,
PECHS, Shahrah-e-Faisal, Karachi
Tel: +92-21-111-572-786
Fax: +92-21-34388302

Consortium Partner
MADNI Engineering Construction Co
4th Floor, 36-C lane 11 Bukhari Commercial,
DHA Phase-6, Karachi.
Tel: 021-35156121-23
Fax: 021-35156122-25

Consortium Partner
Al-Tariq Constructors (Pvt.) Ltd
Suite # 1301 -1302, 13th Floor, UNI
Center, I.I Chundrigar Road, Karachi
Tel: +92 -21- 32427800,820,803
Fax: +92 -21- 32427784