



**Most  
Important**

No. DD (Enf-II)K269(K WSB)/SPPRA/100-1/13-14 /  
**GOVERNMENT OF SINDH  
SINDH PUBLIC PROCUREMENT REGULATORY  
AUTHORITY**

Karachi, Dated: Oct, 2nd 2014

**The Project Director (S-III) Projects,  
Karachi Water & Sewerage Board,  
Karachi.**

**SUBJECT: NIT REF: NO.INF-KRY-NO.3185/13, SPPRA SR. NO.18489.**

I am directed to refer to your letter No.PD/S-III/ KW&SB/2014/349 dated 22.09.2014 and to again observe that:

- i) Procuring Agency vide letter No.PD/S-III/KW&SB/2014/292, dated 05.06.2014 furnished photocopy of Bid Evaluation Report bearing signatures of all PC members without any observation, whereas, original Bid Evaluation Report furnished vide letter No.PD/S-III/KW&SB/2014/326-A received on 12.09.2014 containing observations made by four procurement committee members. **Therefore, said variation in above said report may be clarified.**
- ii) Procuring Agency has furnished (Original) BER vide letter No.PD/S-III/KW&SB/2014/326-A received on 12.09.2014, wherein **four members of procurement committee have recorded their observations:**
  - a) Since it is a single bid, therefore, validity of bid may be sought from SPPRA. As the lowest offered bid is much higher the provisions of relevant works in the approved PC-I, therefore, approval may be sought from the competent forum prior to award of work.

Representative L.G (GOS)

- b) All above objections raised by D.G (M&E) Local Govt. Sindh are un-avoidable. They must be addressed in the light of Article-48 SPPRA-Act 2009-10 to avoid misprocurement. I am aggrieved at the technical report in favour of bidder because Article 2.16(A)(i) SPPRA are not followed.
- c) Agreed with the comments written by D.G (M&E) & PM (S-III) project mentioned below.
- d) Agreed with the comments written by D.G (M&E) L.G Deptt: GOS as below.

PM (S-III)

DPM (S-III)

SE (KMC)

**Therefore, the Guidelines / Regulations for procurement of works Annex-G, Page 76 stipulates that "Excess of the tendered item over RCE provision of that item must not be more than 15% or savings are indicated from other items of the PC-I in the comparison sheet, otherwise either RCE/PC-I shall be revised or Tenders shall be re-invited".**  
**For the instant NIT, Procuring Agency is required to furnish copy of Revised PC-I.**

Cont...P/2

- (iii) Approval of Secretary Local Government Department, Govt. of Sindh regarding Tender, **Bid Evaluation Report, rates revision/modification** is required in terms of instructions issued by Secretary Local Govt. vide letter No.LG(SO-VII)/2-5/KW&SB/2013, dated 05.04.2014 (Copy enclosed).
- (iv) Approval Head of Department i.e Secretary, Local Government Department, Government of Sindh regarding constitution of Procurement Committee is also required in terms of Rule-7 of SPP Rules, 2010.
- (v) The Procuring Agency is advised to furnish complete report of Greater Karachi Sewerage Plan (S-III) that:
- List of total components / works along with estimated cost under the umbrella of Greater Karachi Sewerage Plan (S-III)
  - List of completed components along with cost of Greater Karachi Sewerage Plan (S-III)
  - List of ongoing / continuing components Greater Karachi Sewerage Plan (S-III) along with cost.
- (vi) Technical Bid for subject procurement was opened on 09.05.2014, Bid Validity Period expired on 06.08.2014 in terms of Rule-38 (1) of SPP Rules 2010.

2. In view of the above facts, it is again advised to furnish above said information regarding Para-1(ii)(iii)(iv)&(v) along with clarification / justification vide Para-1((i)(ii)&(vi) immediately and to ensure compliance of SPP Rules 2010 (Amended 2013) and Regulations in letter & spirit as failure to comply with the rules and regulations may render the procurement process "**misprocurement**".

  
(Musharraf Ahmed Bhatti)  
Manager (Grievances)

A copy is forwarded for information to:

1. The Secretary, Local Government Department, Government of Sindh, Karachi.
2. The Managing Director, Karachi Water & Sewerage Board, Karachi.



# KARACHI WATER & SEWERAGE BOARD


Annexure-F

## BID EVALUATION REPORT

1.	Name of Procuring Agency	Karachi Water & Sewerage Board
2.	Tender Reference No:	SR No. 18489
3.	Tender Description/Name of Work	<b>CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE, KARACHI UNDER S-III PROJECT</b>
4.	Method of Procurement	Single Stage Two Envelops
5.	Tender Published	Published on 02-01-2014 in leading local Newspapers and on 19-03-2014 in International print media..
6.	Total bid Documents Sold	08 Nos. ( Eight)
7.	Total Bid Received	02 No. (Two)
8.	Technical Bid Opening Date (if applicable)	09-05-2014
9.	No. of Bid Technically Qualified (if applicable)	02 Nos. (Two)
10.	Bid(s) Rejected	Nil
11.	Financial Bid Opening Date	26-05-2014

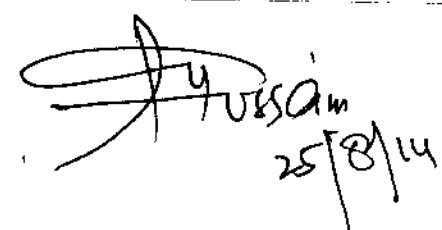
### 12. Bid Evaluation Report

S. No.	NAME OF FIRM / BIDDER	CORRECT COST OFFERED BY THE BIDDER	RANKING IN TERMS OF COST	COMPARISON WITH ESTIMATED COST	REASON FOR ACCEPTANCE/ REJECTION	REMARKS
1	M/s Pak Oasis Industries.	Rs.3,893,340,035	Ist Lowest	(7.13%)	Accepted being the lowest	
2	M/s. Saadullah Khan & Bros	Rs.4,040,704,927	2 <sup>nd</sup> Lowest	(3.61%)	Evaluated Bid Rejected being the high bid price	

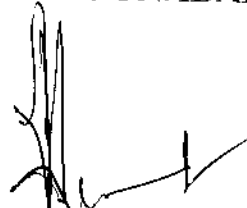
  
25/06/14


  
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25/8/14

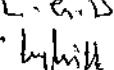
CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD SITE, KARACHI UNDER S-III PROJECT

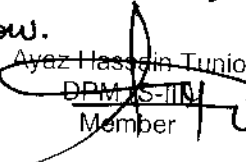
  
Mr. Mukhtiar Samtio  
EE (S-III)  
Member/Secretary

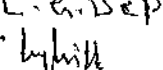
  
Mr. Sardar/Ali Shah  
PM (S-III)  
Member

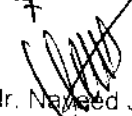
  
Mr. Qaisar Ali  
SE  
Member


Agreed with the comments of D.G (M&E) & PM (S-III) Project, mentioned below.


Agreed with the comments of D.G (M&E) L.G. Deptt: Govt of Sindh as below. by 


  
Ayeaz Hasnain Tunio  
DPM (S-III)  
Member  
25/8/14

  
Mr. Maqsood Shaikh  
SE, KMC  
Member

  
Mr. Naveed Jabbar  
Accounts Officer (S-III)  
Member

  
Mr. Faheem A. Junejo  
Representative L.G (GOS)  
Member

  
Mr. S.M. Yahya  
Rep. Environmental  
Deptt. GOS  
Member

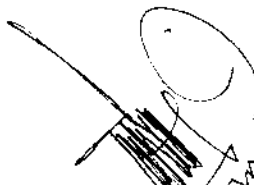
  
Mr. Ovais Malik  
C.E. (Zone-W)  
Convener

Remarks from Rep. of L.G.

As the lowest bid is much higher than the provision of relevant works in the approved PC-I, therefore approval may be sought from the competent forum prior to award of work.



- i)\* All above observations are valid - I do agreed with D.G (M&E) Local Govt - Sindh.
- ii)\* I am aggrieved at the technical report submitted by consultant. Requested for carrying out the whole process afresh. Successful experience of similar nature and complexity comparable to this contract is not proved (Article 2.16 / (A) / (1) SPPRA Regulations

  
25/08/14.

# NOTE SHEET

( 2 )

Paras

Reference

12/ The bid of M/s. Saadullah Khan & Bros was examined at first for following:

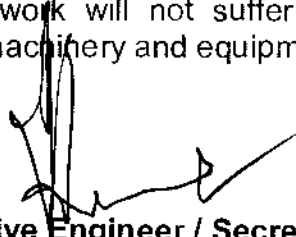
- 13/ 1) Verification: Properly signed and duly filled all forms and appendices of bid.
- 14/ 2) Bid Security: Inform of Pay Order amounting to Rs. 40,000,000, bearing No. PO 2941181 dated 08.05.2014 issued by United Bank Limited Nursery Branch, Karachi.
- 15/ 3) Responsiveness: Bid confirms all terms and condition and specification of Bid Documents.

## COMPARISON WITH ENGINEER'S ESTIMATE

Name of Bidder	Engineer's Estimate (Rs.)	Quoted Price (Corrected)	% Above/Below
M/s. Pak Oasis Ind.	4,192,209,448	3,891,660,035	7.17 below
M/s. Saadullah Khan & Bros	4,192,209,448	4,040,704,927	3.61 below

17/ The Procurement Committee having carried out the analysis, checks and pre-requisites for evaluation and in consideration of all aspects related to the tender. After due deliberation and consensus recommends that the work subject may be awarded to M/s. Pak Oasis Industries (Pvt) Ltd., being the lowest evaluated bidder for the offered Bid of Rs. 3,891,660,035/- (Rupees Three Thousand Eight Hundred and Ninety One Million six Hundred Sixty Thousand and thirty Five only), which is 7.17 % below the engineer's estimate including provisional sums and 05% physical contingencies. Keeping in view of evaluated bid price, an undertaking is required that, the bidder possesses the adequate financial resources and should ensure that progress of work will not suffer due to financial constrains or non-availability of material, machinery and equipments.

18/ Submit please.


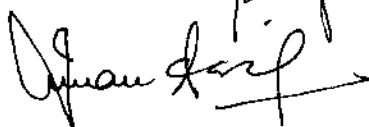
  
Executive Engineer / Secretary  
Bid Evaluation Committee  
S-III Project, KW&SB

19/ Convener Procurement Committee

Project Director S-III Project

Approved as proposed above.

CE(S-III) :-



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE EXECUTIVE ENGINEER (S-III) PROJECT  
SECRETARY / MEMBER EVALUATION COMMITTEE

Block - D, 9th Mile Karsaz, Shakra-e-Faisal, Karachi

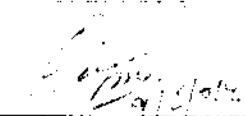

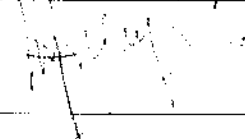
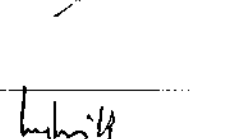
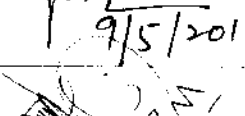


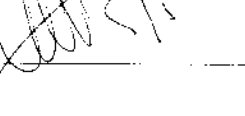
Phone & Fax No. 99240828

No. EE/SECY (EC)/(S-III)/2014/75


May 09, 2014


Subject: Contract Package TP-I "Up-Gradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE Karachi, Under Greater Karachi Sewerage Plan S-III"

## ATTENDANCE SHEET

NAME	DESIGNATION	SIGNATURE
Mr. Owais Malik	Convener / Member	
Mr. Qaiser Ali	Member	 9/5/14
Mr. S. M. Yahya	Director Labs. Env. Dept GOS (Member)	
Mr. Fahim Junejo	Director General (LG) Monitoring & EVA (GOS) (Member)	
Mr. Maqsood Shaikh	S.E (KMC) Member	 9/5/2014
Mr. Sardar Shah	Member	 9/5
Mr. Ayaz Tunio	Member	
Mr. Naveed Jabbar	A.O Member	 9/5/14
M/s. Techno Consultants Int.		

Bidders / Participants

Name of Representative	Firm / Company	Designation	Signature
Mr.	M/s. Crescent Const. Co.		
Mr.	M/s. Descon Engineering Limited		
Mr.	M/s. Habib Rafiq (Pvt) Limited		
Mr.	M/s. NCL - PESC - CRFG (JV)		
Mr.	M/s. Pak Oasis Industries	General Manager Commercial	 9/5/14
Mr.	M/s. R. M. Gulistan Engineering & Cons.		
Mr.	M/s. Saadullah Khan & Brothers.	Manager A. J. J.	
Mr.	M/s. Sultan Mahmood & Co.		
Mr.	M/s. VINCI Construction Grand Project		
Mr.	M/s. Ashraf D. Baluch		

  
 MUKHTIAR BANO  
 Secretary / Member  
 Evaluation Committee



**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE EXECUTIVE ENGINEER (S-III) /**  
**SECRETARY EVALUATION COMMITTEE**

Block – D, 1<sup>st</sup> Floor, 9th Mile Karsaz, Shakra-e-Faisal, Karachi

No. E.E/S-III/KW&SB/2014/ 27

Dated: May 23, 2014

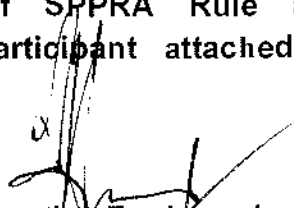
MINUTES OF MEETING

Subject: MEETING OF PROCUREMENT COMMITTEE FOR BID EVALUATION (TECHNICAL PROPOSAL) OF SEWAGE TREATMENT PLANT AT HAROONABAD SITE KARACHI UNDER S-III PROJECT, KW&SB.

Ref. No. SPPRA SR No.18489, NIT REF. NO. INF-KRY- NO.3185/13

Kindly find attached minutes of the meeting as per Clause 41-9 on the above subject held on 21<sup>st</sup> May 2014 in Committee Room, Block-D, M.D's Secretariat, KW&SB chaired by Mr. Ovais Malik, Chief Engineer (West) as convener of meeting.

As per Clause 41-9 of SPPRA Rule 2010, the Bid (Technical Proposal) opened at 2.30 p.m. on schedule date in the presence of all members of committee constituted as per Clause No.7 of SPPRA Rule and representatives of contractor firms – List of participant attached at Annexure-1.

  
Executive Engineer /  
Secretary Evaluation  
Committee (S-III) Project,  
KW&SB

Distribution:  
All Members.

Copy to:  
2. Project Director, (S-III) Project, KW&SB



Subject: **Minutes of Meeting of Procurement Committee for Bid Evaluation (Technical Proposal) of Sewage Treatment Plant at Haroonabad SITE, Karachi under S-III Project KW&SB, held on 9<sup>th</sup> May 2014 i.e. Opening of Technical Proposal.**

The Contract Packages of Sewage Treatment Plant's upgradation and expansion works under S-III Project was invited on 2<sup>nd</sup> January 2014 through local leading newspapers and in international print media on 19<sup>th</sup> March 2014. The Bid (Technical) opened as per amended schedule on 9<sup>th</sup> May, 2014 at 2.30 p.m. in the Committee Room of M.D's Secretariat, Block-D, 9<sup>th</sup> Mile Karsaz Office.

The meeting was chaired by Mr. Ovais Malik, Chief Engineer (West) KW&SB and attended by all members of the Committee and the representatives of the Contractor firms.

Sealed Boxes show to all participants in the room, and then at 2.30 p.m. opens to taken out the bids seal of all bids checked by the Committee members, after which opened publically in presence of all members and representatives of all bidder's firms. Bid number marked on each bid and circulated among members for signing on title page of bid envelope.

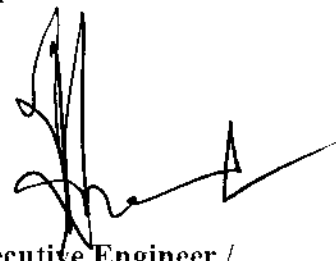
Attendance sheet forwarded for signing the attendance among all members and bidders representatives as per Clause 41(6) of SPPRA.

Following the Clause 46-2-(c) (d) of SPPRA Rule 2010, The Committee segregates the financial proposal in separate locked box.

The Convener inform to all members that technical evaluation of bids in accordance with evaluation criteria will be begin from next meeting.

The meeting agenda completed, therefore the meeting ended at 5.50 p.m. with vote of thanks to and from the Chair.

**Submitted please.**



**Executive Engineer /  
Secretary Evaluation Committee  
S-III Project, KW&SB**

# NOTE SHEET

(1)

Paras

Reference

SUB: TECHNICAL EVALUATION REPORT FOR CONTRACT PACKAGE "UP-GRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE KARACHI UNDER S-III PROJECT.

The Procurement Committee having carried out the critical analysis, check & pre-requisites for evaluation and In consideration of all aspects related to the technical proposal. After due deliberation and consensus recommends that the following two (02) bidders, qualify for the stage-II of bidding process wherein financial proposal will be opened. They are as under:-

Sr. No	Applicant
1	M/s Pak Oasis Industries (Pvt) Ltd.
2	M/s Saadullah Khan & Bros.

No bidder found non responsive who have been rejected on the ground of their technical proposal and returned their financial bid unopened. Therefore conduct the opening of financial proposal of both bidders submitted substantially responsive & technically qualified bids, as per SPPRA Rules 2010.

Mr. Mukhtiar Ali Samito  
EE (S-III)  
Member/Secretary

Mr. Ayaz Ahmed Tunio  
DPM S-III  
Member

Mr. Sardar Ali Shah  
PM S-III  
Member

Syed Qaiser Ali  
SE (E&M) KW&SB  
Member

Mr. Maqsood Shaikh  
Executive Engineer, KMC  
Member

Mr. Naveed Jabbar  
Accounts Officer (S-III)  
Member

Mr. Faheem A. Junejo  
Representative L.G (GOS)  
Member

Mr. S.M. Yahya  
Rep. Environmental  
Deptt. GOS  
Member

Mr. Owais Malik  
C.E. (Zone-W)  
Convener

Encl: Technical Evaluation Report

Project Director (S-III), KW&SB.

Approved.

As proposed.

Project Director

PD(S-III)

# NOTE SHEET

( 1 )

Paras

Reference

Subject: APPROVAL OF BID EVALUATION REPORT (FINANCE).

Contract Package TP-I "Up-Gradation and Expansion of Treatment Plant TP-I, at Haroonabad, SITE, Karachi, under S-III Project"

1/ KW&SB invited tenders from the Contractors having PEC registration in CA or CB Category with relevant specialization (CE -09, CE-10, ME-06, EE-04 & EE-05) for the proposed subject work, on 02.01.2014 (Annex-1). Ten contractors firms having registration in required category and specialization with PEC, purchased the bid documents.

2/ A tender Procurement Committee comprising of Nine Members headed by Chief Engineer (West) KW&SB (Annex-2) was constituted and assigned tasks by the Competent Authority of KW&SB, in the guidelines of Clause-7 & 8 of SPPRA Rules 2010.

3/ The Procurement Committee opened and announced the financial proposal at Stage-II on the specified date, time and venue i.e. 1500 hours on 27.05.2014 at Committee Room, M.D. Secretariat, Block-D, 9<sup>th</sup> Mile Karsaz KW&SB Office, Shahrah-e-Faisal, Karachi, prior to it technically proposal opened on 09.05.2014 in accordance to the criteria set for responsiveness of firm and only one firm submitted the bid documents.

4/ Two (02) Contractor Firms submitted bidding documents and found responsive technically to qualify for stage-II i.e. opening of financial proposal for Contract Package of STP-I.

5/ The announced Bid Price and the corrected bid price of the bidder is as under:

Name of Bidder	Announced Bid Price in Rupees	Corrected Bid Price (Rs)	Rank
M/s. Pak Oasis Industries (Pvt) Ltd	3,889,961,281	3,891,660,035	1st lowest
M/s. Saadullah Khan & Bros	4,040,704,927	4,040,704,927	2 <sup>nd</sup> lowest

6/ The Procurement Committee carried out thorough evaluation of the bids in accordance with the standard guidelines for the evaluation of bids laid down by SPPRA and also carried out the scrutiny / examination of the bids for the verification, eligibility, bid Security, Completeness and Responsiveness of bids (financial proposal).

7/ Subsequently, the working of the Procurement Committee was compiled in shape of Bid Evaluation Report (Technical and Financial) for the subject Contract Package of S-III Project containing the preliminary as well as comprehensive evaluation of submitted responsive bidder.

8/ The bid of M/s. Pak Oasis Industries (Pvt) Limited was examined at first for following:

9/ 1) Verification: Properly signed and duly filled all forms and appendices of bid.

10/ 2) Bid Security: Inform of Bank Guarantee amounting to Rs. 40,000,000 valid upto Oct. 09, 2014, bearing No. LG 14900100001857 dated 08.05.2014 issued by J.S Bank, Shaheen Complex Branch, Karachi.

11/ 3) Responsiveness: Bid confirms all terms and condition and specification of Bid Documents.



**Karachi Water and Sewerage Board**  
**Greater Karachi Sewerage Plan (S-III)**

**BID OPENING CHECKLIST**

Contract Reference: *Contract Package TP-I: Upgradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE - Karachi.*

Bid Opening Date: 09-05-2014      Time: 1430 Hrs.

Name of Bidder: M/s *Sanjiv Kumar & Partners*

- (a) Is outer envelope of bid sealed? *Yes*
- (b) Is Letter of Technical Bid completed and signed? *Yes*
- (c) Expiration date of bid : *09-05-2014*
- (d) Is documentary authority for signing enclosed? *Yes*
- (e) Bid security enclosed (as required): *Attached with Bid documents*
- (f) Describe any "Substitution," "Withdrawal," or "Modification" submitted.  
-----
- (g) Additional comments  
-----
- (h) Name of bidder or his representative who attended bid opening.  
*Sanjiv Kumar*
- (i) Is envelope of financial bid sealed?

Signed by Bidder's Representatives:

Signed by: (Members, Procurement Committee)

*[Handwritten signatures and dates of Procurement Committee members]*

*[Handwritten signature of the Convenor]*  
 \_\_\_\_\_  
 Convenor of Procurement Committee



**Karachi Water and Sewerage Board**  
**Greater Karachi Sewerage Plan (S-III)**

**BID OPENING CHECKLIST**

Contract Reference: *Contract Package TP-I: Upgradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE – Karachi.*

Bid Opening Date: 09-05-2014      Time: 1430 Hrs.

Name of Bidder: M/s Pak Oasis Industries (Pvt) Ltd

- (a) Is outer envelope of bid sealed? Yes
- (b) Is Letter of Technical Bid completed and signed? Yes
- (c) Expiration date of bid : 09-05-2014
- (d) Is documentary authority for signing enclosed? Yes
- (e) Bid security enclosed (as required): Yes
- (f) Describe any "Substitution," "Withdrawal," or "Modification" submitted.

(g) Additional comments \_\_\_\_\_

(h) Name of bidder or his representative who attended bid opening.

Syed Muhammad Raza Naqvi

(i) Is envelope of financial bid sealed?

Signed by Bidder's Representatives:

(Signature)

Signed by: (Members, Procurement Committee)

(Signatures and dates: 9/5/14, 9/5/14, 9/5/14, 9/5/14)

(Signature)  
 Convenor of Procurement Committee

**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Technical Evaluation of Bidder**  
**Status of Responsiveness**

Bidder: *M/s Pak Oasis Industries (Pvt.) Ltd. (Sole Bidder)*

S.No	Description	Findings	Remarks
1	Valid PEC Registration Certificate in CA Category with Specialization in CE-09, CE-10, ME-06, EE-04 & EE-05.	Available	Pass
2	Average Annual Turnover (minimum Rs.3,000/- Million)	Rs. 4,404.812 Million	Pass
3	Auditor's Balance Sheets for last 3 years.	Available	Pass
4	Litigation History on Rs 100 Stamp paper	Available	Pass

**RESULT**

RESPONSIVE

Responsive

NON RESPONSIVE

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**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Technical Evaluation of Bidder**  
**Status of Responsiveness**

Bidder: *M/s Saadullah Khan and Brothers (Sole Bidder)*

S.No	Description	Findings	Remarks
1	Valid PEC Registration Certificate in CA Category with Specialization in CE-09, CE-10, ME-06, EE-04 & EE-05.	Available	Pass
2	Average Annual Turnover (minimum Rs.3,000/- Million)	Rs. 13,430.109 Million	Pass
3	Auditor's Balance Sheets for last 3 years.	Available	Pass
4	Litigation History on Rs 100 Stamp paper	Available	Pass

**RESULT**

RESPONSIVE

Responsive

NON RESPONSIVE

*Cooper*

*hbs*

*Signature*

*Signature*

*Signature*

*Signature*

**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Pak Oasis Industries (Pvt.) Ltd.)**

**1.5.1 Qualification of Firm**

**Total 100 Points**

DESCRIPTION		Weightage Points	Project Executed	Weightage Points Obtained
a.	(I) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 2000 Million.	25		
	(II) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 3000 Million.	30		
	(III) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 4000 Million.	35		35
		<b>Weightage Points</b>		<b>Weightage Points Obtained</b>
b.	Mandatory in House Design facility or Association with reputable Design House (The firm or his associates should have capacity to deal with technical aspects and have sufficient knowledge of Sewage Treatment Process).	30	-	20
		<b>Weightage Points</b>		<b>Weightage Points Obtained</b>
c.	Understanding of the Project along with the Methodology of its implementation.	35	-	30
<b>Total Qualification Score (a+b+c)</b>				<b>85</b>

**1.5.2 Key Personnel**

**Total Points 100**

Sr. No.	Position	Weightage Points		Weightage Points Obtained	
		Qualifications	Experience	Qualifications	Experience
1	Project Manager	3	12	3	12
2	Site Engineer ( 2 Nos) Civil	4	8	3.6	8
3	HSE Specialist	2	7	1.8	5.6
4	Structural Engineer	1	7	1	7
5	Material Engineer	3	7	0	7
6	Mechanical Engineer	5	8	5	8
7	Treatment Process Engineer	3	7	3	7
8	Instrumentation Engineer	4	7	3.6	7
9	Electrical Engineer	5	7	4.5	7
<b>Total Weightage Points</b>		<b>30</b>	<b>70</b>	<b>25.5</b>	<b>68.6</b>



**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Pak Oasis Industries (Pvt.) Ltd.)**

		Weightage Points	Weightage Points Obtained
a.	<b>Qualification</b> i. BE/BSC/BS Engg + Masters 100% ii BE/BSC/BS Engg 90 %	30	25.5
b.	<b>Experience For Project Manager Only</b> i. 20 years & above 100 % ii 15-20 years 90 % iii 10-15 years 80%	12	12
c.	<b>Experience For</b> 1. Site Engineer 2Nos. (2 x4) 2. HSE Specialist 3. Structural Engineer 4. Material Engineer 5. Mechanical Engineer 6. Treatment Process Engineer 7. Instrumentation Engineer 8. Electrical Engineer i. Above 10 years 100 % ii. 9 to 10 years 90 % iii 8 to 9 years 80 %	58 8 7 7 7 8 7 7 7	56.6

**1.5.3 Key Equipments**

**Total Points 100**

Sr. No	Equipment Type & Characteristics	Minimum Number Required	Points on Ownership	Points on Hiring	Weightage Points Obtained
1	Excavators/Rock Breakers	2	6	4	4
2	Wheel Loader	2	8	6	6
3	Grit/Sand BLASTING Equipment	2sets	8	6	6
4	Arc Welding Plant	2sets	8	6	6
5	Transit Concrete Mixer	2	8	6	6
6	Mobile Crane 20 Tons	2	8	6	6
7	Concrete Batching Plant 100 m <sup>3</sup> /day with backup Generators for Plant	1	12	8	8
8	Dewatering Pumps 4" & 6" Dia Suction	10	10	7	7
9	Diesel Generators 100 to 500 KVA	4	12	7	7
10	Concrete Pumps	1	10	7	7
11	Dumpers	4	10	7	7
<b>Total Weightage Points</b>			<b>100</b>	<b>70</b>	<b>70</b>

*The Applicants must provide the list of:*

- Note:** (a) Equipment owned by the applicant along with the ownership Documents. If the ownership documents are not provided the equipment shall be considered as hired/rental.  
 (b) Equipment to be Hired by the Applicant

**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Pak Oasis Industries (Pvt.) Ltd.)**

**1.5.4 Financial**

**Total Weightage Points 100**

<b>1</b>	<b>Average Annual Income (Net Profit) for the last 3 Years</b>	<b>Weightage Point</b>	<b>20</b>	<b>Weightage Points Obtained</b>
a.	Rs.50 million to < 100 million	14		-
b.	Rs. 100 million to < 150 million	17		17
c.	Rs.150 million to < 200 million	20		-

**Note: To be determined from the Auditor's Balance Sheet**

<b>2</b>	<b>Year</b>	<b>Average Annual Turn Over (Equivalent in Pak Rs.)</b>	<b>Weightage Point</b>	<b>50</b>	<b>Weightage Points Obtained</b>
a.	1. Fiscal Year 2010 to 2013	Rs.3000 million to < 4000 million	35		-
b.	2. Fiscal Year 2010 to 2013	Rs.4000 million to < 5000 million	42		42
c.	3. Fiscal Year 2010 to 2013	Rs.5000 million and above	50		-

<b>3</b>	<b>Minimum Cash flow Requirement</b>	<b>Weightage Point</b>	<b>30</b>	<b>Weightage Points Obtained</b>
a.	Rs. 500 million to < 800 million	21		-
b.	Rs. 800 million to < 1000 million	25		-
c.	Rs. 1000 million & above	30		30



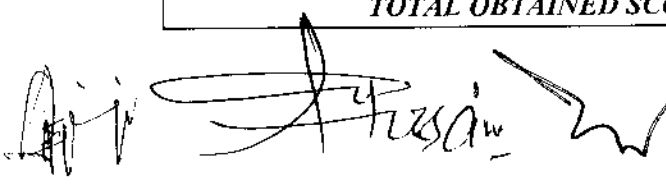
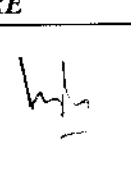
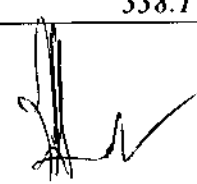
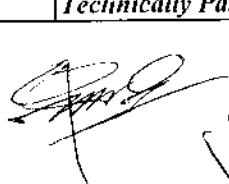
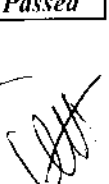
**Note:**

Minimum Cash Flow = (10 x working capital) – (30% of current commitments) + credit line  
 { Working capital = Current assets minus Current Liabilities }

- 1 The Applicant must Submitted the unconditional Bank Letter on the Attached Performa P-1 Mentioning the currently available credit line of the applicant and Auditor's Balance sheets for the last 3 Years.
- 2 Minimum available Credit Line must be 500 Millions through Bank's Letter.
- 3 Where necessary the Employer may make enquiries with the applicant's Bank or Auditors.

1.5.4.1 Average Annual Income	=	17
1.5.4.2 Average Annual Turnover	=	42
1.5.4.3 Minimum Cash Flow	=	30
<b>Total Financial score</b>		<b>89</b>

<b>RESULT</b>			
4.3.1	Qualification	=	85
4.3.2	Key Personal	=	94.1
4.3.3	Key Equipment	=	70
4.3.4	Total Financial Score	=	89
<b>TOTAL OBTAINED SCORE</b>			<b>338.1</b>
			<b>Technically Passed</b>

**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Saadullah Khan and Brothers)**

**1.5.1 Qualification of Firm**

**Total 100 Points**

DESCRIPTION		Weightage Points	Project Executed	Weightage Points Obtained
a.	(I) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 2000 Million.	25		0
	(II) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 3000 Million.	30		
	(III) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 4000 Million.	35		35
		<b>Weightage Points</b>		<b>Weightage Points Obtained</b>
b.	Mandatory in House Design facility or Association with reputable Design House (The firm or his associates should have capacity to deal with technical aspects and have sufficient knowledge of Sewage Treatment Process).	30	-	15
		<b>Weightage Points</b>		<b>Weightage Points Obtained</b>
c.	Understanding of the Project along with the Methodology of its implementation.	35	-	25
<b>Total Qualification Score (a+b+c)</b>				<b>75</b>

**1.5.2 Key Personnel**

**Total Points 100**

Sr. No.	Position	Weightage Points		Weightage Points Obtained	
		Qualifications	Experience	Qualifications	Experience
1	Project Manager	3	12	2.7	12
2	Site Engineer ( 2 Nos) Civil	4	8	0	8
3	HSE Specialist	2	7	1.8	7
4	Structural Engineer	1	7	1	7
5	Material Engineer	3	7	2.7	7
6	Mechanical Engineer	5	8	4.5	8
7	Treatment Process Engineer	3	7	3	7
8	Instrumentation Engineer	4	7	0	0
9	Electrical Engineer	5	7	5	7
<b>Total Weightage Points</b>		<b>30</b>	<b>70</b>	<b>20.7</b>	<b>63</b>

**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Saadullah Khan and Brothers)**

		Weightage Points	Weightage Points Obtained
a.	<b>Qualification</b> i. BE/BSC/BS Engg + Masters 100% ii BE/BSC/BS Engg 90 %	30	20.7
b.	<b>Experience For Project Manager Only</b> i. 20 years & above 100 % ii 15-20 years 90 % iii 10-15 years 80%	12	12
c.	<b>Experience For</b> 1. Site Engineer 2Nos. (2 x4) 2. HSE Specialist 3. Structural Engineer 4. Material Engineer 5. Mechanical Engineer 6. Treatment Process Engineer 7. Instrumentation Engineer 8. Electrical Engineer i. Above 10 years 100 % ii. 9 to 10 years 90 % iii 8 to 9 years 80 %	58 8 7 7 7 8 7 7 7	51

**1.5.3 Key Equipments** **Total Points 100**

Sr. No	Equipment Type & Characteristics	Minimum Number Required	Points on Owner ship	Points on Hiring	Weightage Points Obtained
1	Excavators/Rnck Breakers	2	6	4	4
2	Wheel Loader	2	8	6	6
3	Grit/Sand BLASTING Equipment	2sets	8	6	3
4	Arc Welding Plant	2sets	8	6	3
5	Transit Concrete Mixer	2	8	6	6
6	Mobile Cranc 20 Tons	2	8	6	3
7	Concrete Batching Plant 100 m <sup>3</sup> /day with backup Generators for Plant	1	12	8	8
8	Dewatering Pumps 4" & 6" Dia Suction	10	10	7	7
9	Dciesel Generators 100 to 500 KVA	4	12	7	3.5
10	Concrete Pumps	1	10	7	7
11	Dumpers	4	10	7	7
<b>Total Weightage Points</b>			<b>100</b>	<b>70</b>	<b>57.5</b>

*The Applicants must provide the list of:*

Note: (a) Equipment owned by the applicant along with the ownership Documents. If the ownership documents are nnt provided the equipment shall be considered as hired/rental.

(b) Equipment to be Hired by the Applicant

*(Handwritten signatures and initials)*

**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Saadullah Khan and Brothers)**

**1.5.4 Financial**

**Total Weightage Points 100**

1	Average Annual Income (Net Profit) for the last 3 Years	Weightage Point	20	Weightage Points Obtained
a.	Rs.50 million to < 100 million	14		-
b.	Rs. 100 million to < 150 million	17		-
c.	Rs.150 million to < 200 million	20		20

**Note: To be determined from the Auditor's Balance Sheet**

2	Year	Average Annual Turn Over (Equivalent in Pak Rs.)	Weightage Point	50	Weightage Points Obtained
a.	1. Fiscal Year 2010 to 2013	Rs.3000 million to < 4000 million	35		-
b.	2. Fiscal Year 2010 to 2013	Rs.4000 million to < 5000 million	42		-
c.	3. Fiscal Year 2010 to 2013	Rs.5000 million and above	50		50

3	Minimum Cash flow Requirementment	Weightage Point	30	Weightage Points Obtained
a.	Rs. 500 million to < 800 million	21		
b.	Rs. 800 million to < 1000 million	25		
c.	Rs. 1000 million & above	30		30

**Note:**

Minimum Cash Flow = (10 x working capital) – (30% of current commitments) + credit line  
 {Working capital = Current assets minus Current Liabilities}

- The Applicant must Submitted the unconditional Bank Letter on the Attached Performa P-1 Mentioning the currently available credit line of the applicant and Auditor's Balance sheets for the last 3 Years.
- Minimum available Credit Line must be 500 Millions through Bank's Letter.
- Where necessary the Employer may make enquiries with the applicant's Bank or Auditors.

1.5.4.1 Average Annual Income	=	20
1.5.4.2 Average Annual Turnover	=	50
1.5.4.3 Minimum Cash Flow	=	30
<b>Total Financial score</b>		<b>100</b>


<b>RESULT</b>			
4.3.1	Qualification	=	75
4.3.2	Key Personal	=	83.7
4.3.3	Key Equipment	=	57.5
4.3.4	Total Financial Score	=	100
<b>TOTAL OBTAINED SCORE</b>			<b>316.2</b>
			<b>Technically Passed</b>

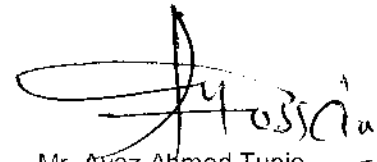
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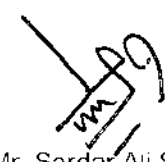
## SUMMARY AND CONCLUSION


After detailed in depth scrutiny, verification, and evaluation of submitted documents, in accordance with the criteria, the Evaluation Committee found that both participated Contractors' Firms, are qualify for the stage-II of bidding process wherein financial proposal will be opened.

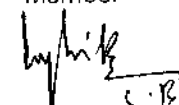
Sr. No.	Name of Firms
1	M/s Pak Oasis Industries (Pvt) Ltd.
2	M/s Saadullah Khan & Bros.

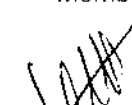
  
 Mr. Mukhtiar Ali Samito  
 EE (S-III)  
 Member/Secretary

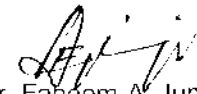
  
 Mr. Ayaz Ahmed Tunio  
 DPM S-III  
 Member

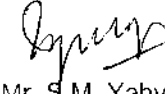
  
 Mr. Sardar Ali Shah  
 PM S-III  
 Member

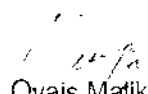
  
 Syed Qaiser Ali  
 SE (E&M) KW&SB  
 Member

  
 Mr. Maqsood Shalkh  
 Executive Engineer, KMC  
 Member

  
 Mr. Naveed Jabbar  
 Accounts Officer (S-III)  
 Member

  
 Mr. Fahem A. Junejo  
 Representative L.G (GOS)  
 Member

  
 Mr. S.M. Yahya  
 Rep. Environmental  
 Deptt. GOS  
 Member

  
 Mr. Ovais Matik  
 C.E. (Zone-W)  
 Convener

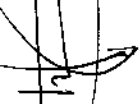
**TECHNICAL EVALUATION REPORT / QUALIFICATION ASSESSMENT**

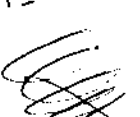
Name of Procuring Agency: Karachi Water & Sewerage Board

Name of Work: Contract Package "Up-Gradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE Karachi", under S-III Project.

S.No.	Evaluation Criteria	Max. Marks	M/s. Pak Qaisis Ind. (Pvt) Limited	M/s. Saadullah Khan & Bros.
1	Qualification of Firm (i) Execution of Similar Nature Project (ii) Inhouse Design Facility (iii) Understading of Project	35 Nos.	35 Nos.	35 Nos.
		30 Nos.	20 Nos.	15 Nos.
		35 Nos.	30 Nos.	25 Nos.
2	Key equipment (Machineries & Tools)	100 Nos.	70 Nos.	57.5 Nos.
3	Key Personnel	100 Nos.	94.1 Nos.	83.7 Nos.
4	Financial	100 Nos.	89 Nos.	100 Nos.
	Total	400 Nos.	338.1 Nos.	316.2 Nos.
	Results		Technically Qualify	Technically Qualify

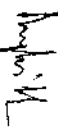
  
Mukhtar Ali Samito  
FE (S-III)  
Member / Secretary

  
Ayaz Tunio  
FE (S-III)  
Member


  
Navood Jabbar  
A.O (S-III)  
Member

  
Fareem A. Jumeio  
D.G (MECI) GOS  
Member

  
S.M. Yahya  
Inst. (Environ) GOS  
Member

  
Mansoor Shalikh  
S.E. (KMC)  
Member

  
Syed Qaiser Ali  
S.E. (KW&SB)  
Member

  
Sardar Ali Shah  
S.M. (S-III)  
Member

  
Ovais Malik  
C.F. (W&S)  
Coordinator



**OFFICE OF THE CHIEF ENGINEER (WEST), KW&SB**  
**Old KBC Building Behind Civic Centre Gulshan-e-Iqbal Karachi**

No. KW&SB/Zone-WEST/S-III/2014/283

Dated 23<sup>rd</sup> May 2014

To:

1. M/s. Pak Oasis Industries (Pvt) Ltd
2. M/s. Saadullah Khan and Brothers

**Reference: Bids for Provision of "Upgradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi.**

**Subject: Evaluation of Technical Proposals**

The subject bids were submitted under single-stage – two envelop procedure.

The Technical Proposals of the two received bids were opened by the Evaluation Committee appointed by the Competent Authority of Karachi Water and Sewerage Board vide their notification No. KW&SB/D.M.D/HRD&A/35 on 04/02/2014, in presence of the representatives of the bidders.

The evaluation of the Technical proposals of the two bids was carried out by the Evaluation Committee in accordance with the Evaluation Criteria and other terms and condition set forth in the bidding documents with the following results. The detailed Evaluation Report comprising of Technical and Financial evaluations will be posted on the SPPRA website, in due course of time.

- (i) **Technical Proposal of M/s. Pak Oasis Industries (Pvt) Ltd.**  
The proposal was found technically responsive and on evaluation was awarded 338 marks out of total 400 marks and was considered technically qualified to meet the requirements of the bid.
- (ii) **Technical Proposal of M/s. Saadullah Khan and Brothers**  
The proposal was found technically responsive and on evaluation was awarded 316 marks out of total 400 marks and was considered technically qualified to meet the requirements of the bid.

Therefore, in accordance with the Sindh Public Procurement Authority, Rules 2010, the Evaluation Committee is please to invite both technically qualified bidders to attend the Financial opening of subject contract.



The venue, date and time of Financial Opening of technically qualified bids is given below:

**Date:** May 27, 2014  
**Day:** Monday  
**Time:** 11:00 A.M  
**Venue:** Committee Room of S-III Project Secretariat  
Karachi Water and Sewerage Board  
First Floor, Block-D, 9th Mile Office,  
Shahrah-e-Faisal, Karsaz, Karachi.  
**Phone No.:** 021-99240828

**CHIEF ENGINEER (WEST)**  
*Convener (Procurement Committee)*  
Karachi Water and Sewerage Board

cc to:

1. The Managing Director (KW&SB).
2. The Project Director (S-III Project) KW&SB
3. Secretary (Procurement Committee), KW&SB
4. Members (Procurement Committee) {with the request to attend the Financial Bid Opening}



# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE EXECUTIVE ENGINEER (S-III) PROJECT /  
SECRETARY / MEMBER EVALUATION COMMITTEE

Block - D, 9th Mile Karsaz, Shakra-e-Faisal, Karachi

Phone & Fax No. 99240828

No. EE/SECY (EC)/(S-III)/2014/

May 27, 2014

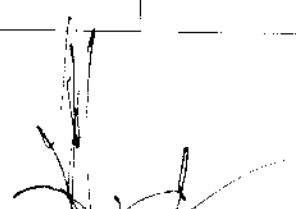
Subject: Contract Package TP-I "Up-Gradation and Expansion of  
Sewage Treatment Plant at Haroonabad, SITE Karachi, Under  
Greater Karachi Sewerage Plan S-III"

## ATTENDANCE SHEET

NAME	DESIGNATION	SIGNATURE
Mr. Owais Malik	Chief Engineer Convener / Member	
Mr. Qaiser Ali	Superintending Engineer Member	
Mr. S. M. Yahya	Director Labs. Env. Dept GOS (Member)	
Mr. Fahim Junejo	Director General (LG) Monitoring & EVA (GOS) (Member)	
Mr. Maqsood Shaikh	S.E (KMC) Member	
Mr. Sardar Shah	Project Manager Member	
Mr. Ayaz Tunio	Dy. Project Manager Member	
Mr. Naveed Jabbar	A/c. Officer Member	
Mr. Mukhtiar Samtio	Executive Engineer Secretary	

**Bidders / Participants**

Name of Representative	Firm / Company	Designation	Signature
Mr. <i>[Handwritten Name]</i>	M/s. <i>[Handwritten Firm Name]</i>	<i>[Handwritten Designation]</i>	<i>[Handwritten Signature]</i>
Mr. <i>[Handwritten Name]</i>	M/s. <b>SKB</b>	Manager Admin	<i>[Handwritten Signature]</i>
Mr. <b>S. M. Raza Naqvi</b>	M/s. <b>Pak Oasis Industries Pvt Ltd.</b>	Gen. Manager	<i>[Handwritten Signature]</i>
Mr.	M/s.		
Mr.	M/s.		
Mr.	M/s.		
Mr.	M/s.		
Mr.	M/s.		
Mr.	M/s.		
Mr.	M/s.		

  
**MUKHTAR SAMTIO**  
 Secretary / Member  
 Evaluation Committee



**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE EXECUTIVE ENGINEER (S-III) /**  
**SECRETARY EVALUATION COMMITTEE**

Block - D, 1<sup>st</sup> Floor, 9th Mile Karsaz, Shakra-e-Faisal, Karachi

No. EE/S-III/KW&SB/2014/287

Dated: May 3/ , 2014

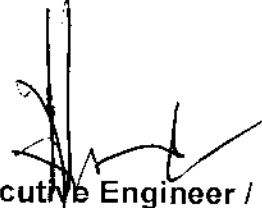
**MINUTES OF MEETING**

Subject: MEETING OF PROCUREMENT COMMITTEE FOR BID EVALUATION (FINANCIAL PROPOSAL) OF STP-III UNDER S-III PROJECT, KW&SB.

Ref. No. SPPRA SR No.18487, NIT REF. NO. INF-KRY- NO.3186/13

Kindly find attached minutes of the meeting as per Clause 41-9 on the above subject held on 26<sup>th</sup> May 2014 in Committee Room, Block-D, M.D's Secretariat, KW&SB chaired by Mr. Ovais Malik, Chief Engineer (West) as convener of meeting.

As per Clause 41-9 of SPPRA Rule 2010, the Bid (Financial Proposal) opened at 11:00 a.m. on schedule date in the presence of all members of committee constituted as per Clause No.7 of SPPRA Rule and representatives of contractor firms - List of participant attached at Annexure-1.

  
Executive Engineer /  
Secretary Evaluation  
Committee (S-III) Project,  
KW&SB

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## MINUTES OF MEETING

Subject: Minutes of Meeting of Procurement Committee for Bid Evaluation (Financial Proposal) of STP-I, under S-III Project, KW&SB, held on 27<sup>th</sup> May 2014 i.e. Opening of Technical Proposal.

The Contract Packages of STP-I (Upgradation and Expansion of Sewage Treatment Plant at Haroonabad, Site, Karachi) under S-III Project was invited on 2<sup>nd</sup> January 2014 through local leading newspapers and on 22<sup>nd</sup> March 2014 in International Newspapers. The Bid was opened as per amended schedule on 27<sup>th</sup> May, 2014 at 11:00 a.m. in the Committee Room of M.D's Secretariat, Block-D, 9<sup>th</sup> Mile Karsaz Office.

The meeting was chaired by Mr. Ovais Malik, Chief Engineer (West) KW&SB and attended by all members of the Committee and the representatives of the Contractor firms.

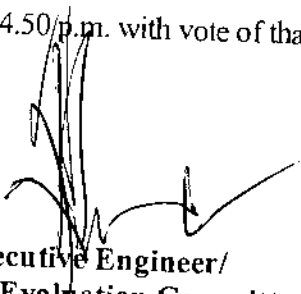
Sealed Box shown to all participants in the room, and then at 11:00 a.m. opened to taken out the bids. Seal of all bids (Financial Proposal) checked by the Committee members and representative of participants firm, after which opened publically in presence of all members and representatives of all bidder's firms. Bid number marked on each bid and circulated among members for signing on title page of bid envelope.

Attendance sheet forwarded for signing the attendance among all members and bidders representatives as per Clause 41(6) of SPPRA.

Following the Clause 41-5 of SPPRA Rule 2010, the name of bidder and total amount of bid read loudly and recorded when opened, also check for overwriting or cutting which is not found.

The Convener inform to all members that financial evaluation of bids in accordance with evaluation criteria will be begin from next meeting.

The meeting agenda completed, therefore the meeting ended at 4.50 p.m. with vote of thanks to and from the Chair.

  
Executive Engineer/  
Secretary Evaluation Committee  
S-III Project, KW&SB

# KARACHI WATER & SEWERAGE BOARD



**CONTRACT PACKAGE STP - 1**

**PROJECT:**

**UP-GRADATION AND EXPANSION OF**  
**TREATMENT PLANT TP-I, AT**  
**HAROONABAD, SITE KARACHI UNDER**  
**S-III PROJECT**

**FINANCIAL EVALUATION REPORT**

**JULY, 2014**

**FINANCIAL EVALUATION REPORT TP-I**  
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## KARACHI WATER & SEWERAGE BOARD

### UP-GRADATION AND EXPANSION OF TREATMENT PLANT TP-I, AT HAROONABAD, SITE KARACHI UNDER S-III PROJECT

#### 1. INTRODUCTION

- 1.1 Karachi with an ever-increasing population that currently stood at around 20 million, is facing a severe sanitation crisis; unhygienic conditions at Sea Coast, Clogged Nullahs, Blocked Drains, and broken up Main Trunk Sewers and out of order Treatment Plants. The current disposal system lacks treatment facilities and requires conveyance network for the sewage to divert it to the treatment plant which are currently being disposed off into coastlines of Karachi City, untreated and thereby causing serious threats to marine life and port operations.
- 1.2 In order to deal with the above stated condition Karachi Water & Sewerage Board (KW&SB) initiated a program for the implementation of Greater Karachi Sewerage Plan (S-III), which includes the Construction of Interceptor sewers along Malir and Lyari Rivers on both sides from outfall of sea to city limits and diverting the generated sewage flows from these rivers to treatment plants including capacity enhancement of existing and construction of new sewage treatment plants at Lyari and Malir River basins.
- 1.3 The subject tender evaluation report is pertaining to Contract Package STP-I upgradation and expansion of treatment plant, TP-I at Haroonabad, SITE, Karachi under S-III Project.

#### 2. BIDDING PROCESS

- 2.1 The Bids were invited through leading National Newspapers published on 2<sup>nd</sup> January, 2014 and in International Newspapers published on 22<sup>nd</sup> March, 2014 on the basis of Lowest Evaluated Responsive Bid (LERB). In accordance with Clause 46 (2) of SPPRA Rules – 2010.
- 2.2 **Numbers of Firms to Whom Tenders Documents Were Sold:**  
Eight (08) Nos. Tenders Documents were sold to the tenders, till last extend date advertised in Corrigendum No.4.



c) **Bid Security:**

- i) Is the required bid security submitted?
- ii) Is the bid security valid upto required period?

d) **Substantial Responsiveness to Tender Documents:**

Is the bid substantially responsive to the requirements of the tender documents without material deviation or reservation? A material deviation is one (1) which effects in any substantial way the scope quality of performance work (2) which limits in any substantial way in consistent with the tender documents, the employers rights or the tenders obligation under the contract or (3) adoption whereof would affect unfairly the competitive positions of the other tenders presenting substantially responsive tenders.

4.1 **M/s. Saadullah Khan & Brothers:**a) **Verification:**

- i) The bid is properly signed and stamped.
- ii) N.A.
- iii) Documentary evidence of authority to sign the bid is attached.

b) **Eligible:**

They are eligible to participate in the tender, as their technical proposals have been accepted at stage-1.

c) **Bid Security:**

They have submitted Bid Security in shape of Pay Order No. PO No.2941181 dated 8<sup>th</sup> May, 2014 from United Bank Limited Nursery Branch amounting to Rs.40,000,000/-.

d) **Substantial Responsiveness to Tender Requirements:**

No material deviation or reservations were notified in the bid.

4.2 **M/s. Pak Oasis Industries (Pvt) Limited:**a) **Verification:**

- i) The bid is properly signed and stamped.
- ii) N.A.
- iii) Documentary evidence of authority to sign the bid is attached.

b) **Eligible:**

They are eligible to participate in the tender, as their technical proposals have been accepted at stage-1.



in this regard financial concurrence of contract Cost may be sort out from available funds for the project.

7. **RECOMMENDATIONS:**

The price quoted by M/s. Pak Oasis Industries (Pvt) Limited is Rs.3,891,660,035. Which is 7.17% below the Engineer's Estimate and being the lowest they can be considered for the contract and competent authority may offer letter of acceptance subject to approval of competent authority.

8. **CONCLUSION:**

The recommendations made in this report are subject to the availability of required funds for the expenditure incurred in the proposed Contract Package of STP-1 under S-III Project.

# ANNEXURE

# TABLES 1 TO 8

**TABLE 1. IDENTIFICATION**

1.1. Name of Project	Greater Karachi Sewerage Plan (S-III)
1.2. Employer a) Name b) Address	a) Karachi Water & Sewerage Board b) Block 'D', 9 <sup>th</sup> Mile Karsaz, Shakra-e-Faisal, Karachi.
1.3. Contract number (Identifications)	Contract Package STP-I
1.4 Contract Description	Up-Gradation and expansion of Treatment Plant-I at Haroonabad SITE, Karachi under S-III Project.
1.5 Engineer's Cost Estimate (S)	Rs. 4192209558/-
1.6 Method of Procurement	ICB One stage two envelopes.
1.7 Fixed price contract	Yes

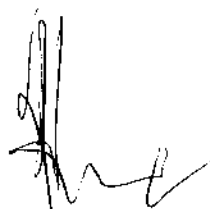


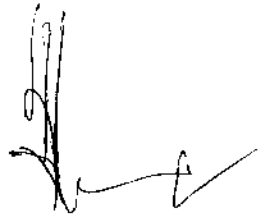


TABLE - 2 BIDDING PROCESS

2.1	Prequalification carried out a) Number of Firms Qualified	N.A.
2.2	Procurement / Tender Notices a) Name of National Newspaper b) Issue date c) Number of individual firms / notified	N.A.
2.3	Standard Bidding Documents a) Title, publication date. b) Date of issue to Bidders	2 <sup>nd</sup> January, 2014 9 <sup>th</sup> January, 2014
2.4	Number of firms to whom document issued	Eight (08)
2.5	Amendments to documents, if any a) List all amendments	
2.6	Date of Pre-Bid Conference, if any	March, 2014
2.7	Date of minutes of conference sent to bidders	March, 2014

**TABLE 3. BID SUBMISSION AND OPENING**

3.1 Bid submission deadline a) Original date, time b) Extension, if any	9 <sup>th</sup> May, 2014, 1400 Hrs Four (04) times
3.2 Bid opening date, time (Actual)	9 <sup>th</sup> May, 2014, 1430 Hrs
3.3 Number of bids submitted	02 Nos
3.4 Bid validity period (days, weeks or months)  a) Originally specified b) Extension, if any	120 days after the date of Tender Opening Nil.



**TABLE 4. SUMMARY OF BID PRICES (AS READ ONLY)**

Sr. No.	Bidder Identification	Read out Bid Prices (Pak Rupees)	Modification or Comments
	Bidder Identification (a)	Amount Rs. (b)	
1	M/s. Saad-ul-Khan & Bros.	Rs. 4040,704,927/-	NIL
2	M/s. Pak Oasis Industries (Pvt.) Ltd.	Rs. 3889,961,281/-	NIL





**TABLE 5. PRELIMINARY EXAMINATION**

BIDDER	VERIFICATION	ELIGIBILITY	BID SECURITY (in the form of Pay Order / Bank Guarantee / Insurance Guarantee Amount in Rupees)	SUBSTANTIAL Responsiveness to Tender Requirements	ACCEPTANCE for Detailed Examination
(a)	(b)	(c)	(d)	(e)	(f)
M/s. Saad-ul-Khan & Bros.	1. Yes 2. N.A. 3. Yes	1. Yes (stage-I) 2. No	Pay Order for Rs. 40 Million	Fonud No Material reservation's or Deviations	Yes
M/s. Pak Oasis Industries (Pvt.) Ltd.	1. Yes 2. N.A. 3. Yes	1. Yes (stage-I) 2. No	Bank Guarantee for Rs. 40 Million	Fonud No Material reservation's or Deviations	Yes



## TABLE 6. CORRECTIONS AND UNCONDITIONAL DISCOUNTS

Sr. No.	Bidder	Read-out Bid Price (S)		
		Amount (S) Rs.	Discount / Premium of any	Amount after discount / premium
1.	M/s. Saad-ul-Khan & Bros.	Rs. 4040,704,927/-	Nil	Rs. 4040,704,927/-
2.	M/s. Pak Oasis Industries (Pvt.) Ltd.	Rs. 3889,961,281/-	Nil	Rs. 3889,961,281/-

*[Handwritten signature]*

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## TABLE 7. ADDITIONS, ADJUSTMENTS, AND PRICED DEVIATIONS

Specify Evaluation Currency: Pak Rupees

Sr. No.	Bidder	Corrected /	Additions	Adjustments	Priced Deviations	Total Price Rs.
		Discounted Bid Price Rs.				
1	M/s. Saad-ul-Khan & Bros.	(b) Rs. 4040,704,927/-	(c) -	(d) -	(e) -	(f)=(b)+(c)+(d)+(e) Rs. 4040,704,927/-
2	M/s. Pak Oasis Industries (Pvt.) Ltd.	Rs. 3891,660,035/-	-	-	-	Rs. 3891,660,035/-

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**TABLE 8. SUMMARY OF COMPARATIVE COST**  
(Excluding Provisional Sum and Contingencies)

Sr. No.	Name of Contractor	Cost as per Engineer's Estimate	Quoted Price (Rs.)	Quoted Price (Rs.)	Difference B/W Engineer's Estimate (Rs.)	E = (d/a) x 100
		Less Provisional	By Contractor Including Discount / Rebate	By Contractor Less Rebate (if any), Provisional		
		(a)	(b)	(c)	d = c-a	
1	M/s. Saad-ul-Khan & Bros.	Rs. 4191,209,558/-	Rs. 4040,704,927/-	Rs. 4039,704,927/-	Rs. -151504631/-	-3.61%
2	M/s. Pak Oasis Industries (Pvt.) Ltd.	Rs. 4191,209,558/-	Rs. 3891,660,035/-	Rs. 3890,660,035/-	Rs. -300549523/-	-7.17%

UP-GRADATION AND EXPANSION OF TREATMENT PLANT-I AT HAROONABAD, SITE, KARACHI UNDER S-III-PROJECT

**COMPARATIVE STATEMENT**

BILL NR	TITLE	ENGINEER'S STATEMENT	M/S. PAK OASIS INDUSTRIES (Pvt.)	M/S. SAAD-ULLAH-KHAN & BROS
1	ITEM NO 1 TO 4	Rs. 3524,049,497/-	Rs. 3549,252,890/-	Rs. 3727,328,607/-
2	GENERAL WORKS	Rs. 131,413,825/-	Rs. 110,490,000/-	Rs. 85,904,000/-
3	DAY WORKS	Rs. 15,397,209/-	Rs. 38,200,000/-	Rs. 26,657,800/-
4	OPERATION & MAINTENANCE	Rs. 321,720,000/-	Rs. 8,400,000/-	Rs. 8,400,000/-
	<b>SUB TOTAL 1 TO 4</b>	<b>Rs. 3992,580,531/-</b>	<b>Rs. 3706,342,890/-</b>	<b>Rs. 3848,290,407/-</b>
	5% PHYSICAL CONTINGENCIES FOR VARIATION / EXTRA WORK INSTRUCTED BY THE ENGINEER	Rs. 199,629,027/-	Rs. 185,317,145/-	Rs. 192,414,520/-
	<b>TOTAL</b>	<b>Rs. 4192,209,558/-</b>	<b>Rs. 3891,660,035/-</b>	<b>Rs. 4040,704,927/-</b>
	Less 5% Physical Contingencies	Rs. 199,629,027/-	Rs. 185,317,145/-	Rs. 192,414,520/-
	Less Provisional Sum	Rs. 1000,000,-	Rs. 1000,000,-	Rs. 1000,000,-
	Sub Total	<b>Rs. 3991,580,531/-</b>	<b>Rs. 3705,342,890/-</b>	<b>Rs. 3847,290,407/-</b>
	Percentage of Rebate, if any	Nil	Nil	Nil
	Amount of Rebate	Nil	Nil	Nil
	Total After Rebate	Rs. 3991,580,531/-	Rs. 3705,342,890/-	Rs. 3847,290,407/-
	% Variation from Engineer's Estimate	-	-7.17%	-3.61%

**CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,**

**SITE, KARACHI**

**CONTRACT PACKAGE TP-I  
ENGINEER'S ESTIMATE  
SUMMARY**

SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
1	CIVIL WORKS	2,346,675,741	2,220,188,562	-5.39	2,459,962,231	4.83
2	CIVIL RESTORATION WORKS	50,887,339	43,454,828	-14.61	73,879,642	45.18
3	ELECTRIC WORKS	364,170,690	458,273,500	25.84	481,061,734	32.10
4	MECHANICAL WORKS	762,315,727	827,336,000	8.53	712,425,000	-6.54
5	GENERAL WORKS	131,413,825	110,490,000	-15.92	85,904,000	-34.63
6	DAY WORKS	15,397,209	38,200,000	148.10	26,657,800	73.13
7	OPERATION AND MAINTENANCE	321,720,000	8,400,000	-97.39	8,400,000	-97.39
	TOTAL 1 TO 7	3,992,580,531	3,706,342,890	-7.17	3,848,290,407	-3.61
	5% PHYSICAL CONTINGENCIES FOR VARIATION / EXTRA WORK INSTRUCTED BY THE ENGINEER	199,629,027	185,317,145		192,414,520	-3.61
	<b>GRAND TOTAL OF ENGINEER'S ESTIMATE</b>	<b>4,192,209,558</b>	<b>3,891,660,035</b>	<b>-7.17</b>	<b>4,040,704,927</b>	<b>-3.61</b>

**CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,  
SITE, KARACHI**

**CONTRACT PACKAGE TP-I  
ENGINEER'S ESTIMATE  
SUMMARY OF COST - CIVIL WORKS**

SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
1	GEOTECHNICAL INVESTIGATION	2,500,000	5,100,000	104.00	3,150,000	26.00
2	COARSE SCREEN	23,859,241	24,511,396	2.73	26,036,312	9.12
3	WASTE WATER PUMPING STATION	57,306,191	56,680,970	-1.09	82,168,414	43.38
4	COMMON INLET CHAMBER	33,469,354	36,658,396	9.53	37,905,952	13.26
5	FINE SCREEN CHAMBER	16,949,811	18,710,120	10.39	19,791,126	16.76
6	GRIT CHAMBER	37,002,383	38,171,620	3.16	40,240,572	8.75
7	DISTRIBUTION PIT 01	7,353,437	9,173,840	24.76	8,901,700	21.05
8	PRIMARY SEDIMENTATION TANK	200,037,874	206,955,491	3.46	218,488,656	9.22
9	JUNCTION PIT 01	3,765,247	4,589,195	21.88	4,494,210	19.36
10	DISTRIBUTION PIT 02	10,790,782	12,836,029	18.95	12,652,412	17.25
11	TRICKLING FILTERS	803,970,941	558,891,554	-30.48	658,288,268	-18.12
12	TRICKLING FILTERS COLLECTION NETWORK	5,070,670	6,400,780	26.23	6,520,982	28.60
13	JUNCTION PIT 02	2,246,760	2,584,523	15.03	2,577,980	14.74
14	DISTRIBUTION PIT 03	5,033,592	6,459,963	28.34	6,165,934	22.50
15	HUMUS TANKS	424,373,890	486,697,557	14.69	496,086,006	16.90
16	PRIMARY SLUDGE PUMPING ROOM	4,293,515	4,230,004	-1.48	2,962,630	-31.00
17	HUMUS SLUDGE PUMPING ROOM	8,793,009	9,747,969	10.86	11,008,274	25.19
18	PICKET FENCING THICKNERS	92,215,944	102,129,210	10.75	107,381,664	16.45
19	THICKENED SLUDGE PUMPING ROOM	2,195,954	2,160,487	-1.62	1,648,530	-24.93
20	SLUDGE DIGESTERS	148,012,519	150,569,415	1.73	157,167,758	6.19
21	DIGESTED SLUDGE PUMPING ROOM	3,934,167	3,521,361	-10.49	2,829,811	-28.07
22	SLUDGE DRYING BEDS	104,944,426	113,036,960	7.71	125,236,294	19.34
23	POWER HOUSE	18,895,040	15,462,970	-18.16	15,337,272	-18.83
24	SUB-STATION 01	4,933,202	4,293,512	-12.97	3,607,575	-26.87
25	SUB-STATION 02	8,581,415	5,636,206	-34.32	6,108,340	-28.82
26	SUB-STATION 03	5,872,660	4,480,140	-23.71	4,569,204	-22.20

**CONTRACT PACKAGE TP-I UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,**

**SITE, KARACHI**

**CONTRACT PACKAGE TP-I  
ENGINEER'S ESTIMATE  
SUMMARY OF COST - CIVIL WORKS**

SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
27	PIPES & FITTINGS	217,280,243	228,174,930	5.01	271,396,330	24.91
28	STROM WATER DRAINAGE NETWORK	22,370,330	28,152,070	25.85	28,454,342	27.20
29	ROAD WORKS	64,630,696	67,611,375	4.61	92,228,850	42.70
30	JUNCTION PIT 06	2,155,774	2,429,455	12.70	2,441,880	13.27
31	UG & OH WATER TANKS	2,780,040	2,877,714	3.51	2,934,532	5.56
32	UG FUEL TANK	1,056,633	1,253,350	18.62	1,180,420	11.72
	<b>TOTAL COST OF CIVIL WORKS</b>	<b>2,346,675,740</b>	<b>2,220,188,562</b>	<b>-5.39</b>	<b>2,459,962,230</b>	<b>4.83</b>



**CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,**

**SITE, KARACHI**

**CONTRACT PACKAGE TP-I**

**ENGINEER'S ESTIMATE**

**SUMMARY OF COST - CIVIL WORKS (REHABILITATION)**

SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
1	MECHANICAL SCREEN CHAMBER	883,579	999,501	13.12	1,810,434	104.90
2	DETRITORS	1,718,368	2,701,662	57.22	3,421,740	99.13
3	CHANNEL TO PST	376,203	501,956	33.43	681,408	81.13
4	PRIMARY SEDIMENTATION TANK	21,763,460	16,641,100	-23.54	33,374,100	53.35
5	FINAL SEDIMENTATION TANK	6,210,100	6,358,900	2.40	10,238,200	64.86
6	JUNCTION PIT 1 & 2	225,900	318,700	41.08	371,800	64.59
7	JUNCTION PIT 3 & 4	344,600	406,200	17.88	529,200	53.57
8	JUNCTION PIT 5 & 6	104,900	145,200	38.42	129,800	23.74
9	JUNCTION PIT 7 & 8	318,600	454,200	42.56	557,200	74.89
10	DISTRIBUTION PIT 1	331,900	718,900	116.60	677,800	104.22
11	DISTRIBUTION PIT 2 & 3	734,200	1,006,300	37.06	1,338,400	82.29
12	TRICKLING FILTER	17,097,000	11,999,600	-29.81	19,579,000	14.52
13	OUTFALL PIT 1 & 2	109,984	143,193	30.19	157,968	43.63
14	OUTFALL PIT 3	292,696	422,916	44.49	523,392	78.82
15	F-STRUCTURE 1, 2, 3 & 4	375,850	636,500	69.35	489,200	30.16
	<b>TOTAL COST OF CIVIL REHABILITATION</b>	<b>50,887,340</b>	<b>43,454,828</b>	<b>-14.61</b>	<b>73,879,642</b>	<b>45.18</b>

**CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,  
SITE, KARACHI**

**CONTRACT PACKAGE TP-I  
ENGINEER'S ESTIMATE  
SUMMARY OF COST - (ELECTRICAL)**

SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
1	POWER HOUSE	171,313,870	153,305,700	-10.51	263,921,639	54.06
2	SUB-STATION - I	9,403,310	17,307,700	84.06	12,569,775	33.67
3	SUB-STATION - II	30,856,040	73,538,300	138.33	17,059,375	-44.71
4	SUB-STATION - III	13,548,060	34,239,400	152.73	13,625,150	0.57
5	WASTE WATER PUMPING STATION	823,830	2,460,000	198.61	2,128,500	158.37
6	PRIMARY SLUDGE PUMPING ROOMS	602,950	447,700	-25.75	1,100,505	82.52
7	HUMUS SLUDGE PUMPING ROOMS (FROM I TO II)	409,320	470,000	14.82	675,940	65.14
8	HUMUS SLUDGE PUMPING ROOMS (FROM III TO IV)	241,180	430,300	78.41	1,024,260	324.69
9	THICKENED SLUDGE PUMPING ROOM	134,230	464,000	245.68	1,833,440	1265.89
10	DIGESTED SLUDGE PUMPING STATION	361,770	437,900	21.04	238,250	-34.14
11	EXTERNAL AREA WORKS	136,476,130	175,172,500	28.35	166,884,900	22.28
	<b>TOTAL COST OF ELECTRICAL WORKS</b>	<b>364,170,690</b>	<b>458,273,500</b>	<b>25.84</b>	<b>481,061,734</b>	<b>32.10</b>

**CONTRACT PACKAGE TP-I UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,**

**SITE, KARACHI**

**CONTRACT PACKAGE TP-I  
ENGINEER'S ESTIMATE  
SUMMARY OF MECHANICAL WORKS COST**

SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
1	MANUALLY CLEANED MECHANICALLY OPERATED COARSE SCREENS	30,861,571	25,200,000	-18.35	21,800,000	-29.36
2	MECHANICALLY CLEANED MECHANICALLY OPERATED RAKED TYPE FINE SCREENS	23,575,121	33,412,000	41.73	23,600,000	0.11
3	STANDBY MANUALLY CLEANED FINE SCREENS	6,387,814	7,200,000	12.71	6,400,000	0.19
4	RAW SEWAGE PUMPING STATION	167,303,180	132,776,000	-20.64	82,380,000	-50.76
5	COMMON INLET CHAMBER	1,471,482	4,740,000	222.12	4,640,000	215.33
6	DETRITORS	20,125,937	19,200,000	-4.60	16,800,000	-16.53
7	DISTRIBUTION PIT # 1	1,447,472	4,200,000	190.16	6,600,000	355.97
8	PRIMARY SEDIMENTATION TANK	70,900,968	93,000,000	31.17	71,700,000	1.13
9	PRIMARY SLUDGE PUMPING ROOM	20,581,797	25,550,000	24.14	42,275,000	105.40
10	DISTRIBUTION PIT # 2	2,545,145	9,600,000	277.19	10,200,000	300.76
11	TRICKLING FILTERS	162,183,726	122,000,000	-24.78	84,900,000	-47.65
12	DISTRIBUTION PIT # 3	2,412,454	7,000,000	190.16	9,000,000	273.06
13	HUMUS TANKS	113,241,549	147,000,000	29.81	113,700,000	0.40
14	HUMUS SLUDGE PUMPING ROOM	41,382,872	42,444,000	2.56	79,140,000	91.24
15	PICKET FENCING THICKENER	34,239,738	34,000,000	-0.70	38,000,000	10.98
16	THICKENED SLUDGE PUMPING ROOM	8,232,719	10,292,000	25.01	16,910,000	105.40
17	SLUDGE DIGESTERS	17,356,264	60,000,000	245.70	24,000,000	38.28
18	DIGESTED SLUDGE PUMPING ROOM	12,326,578	15,378,000	24.75	25,320,000	105.41
19	POWER HOUSE	8,055,719	7,000,000	-13.11	3,900,000	-51.59
20	BIOGAS FLARE	1,500,000	10,000,000	566.67	800,000	-46.67
21	HYDRAULIC MODELING	5,000,000	8,000,000	60.00	21,600,000	332.00
22	FLOW METERS	8,000,000	7,200,000	-10.00	3,400,000	-57.50
23	SLUDGE DRYING BEDS	3,183,619	2,144,000	-32.66	5,360,000	68.36
	<b>TOTAL FOR MECHANICAL WORKS</b>	<b>762,315,725</b>	<b>827,336,000</b>	<b>8.53</b>	<b>712,425,000</b>	<b>-6.54</b>

Sr.No.	ITEMS OF WORKS	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/s. S.K.B	% Above / Below
5	Providing and making available at all times vehicles, including comprehensive insurance and registration etc. for use of the Engineer and his staff and employer in accordance with the specifications and as directed by the Engineer. (The vehicle shall become property of the Employer after completion of the project).					
	(a) Toyota VIGO Champ G Model 2014 or equivalent	5,375,980	4,000,000	-25.59	5,000,000	-6.99
	(b) Honda Civic Vti Oriel Prosmatec Transmission Model 2014 or equivalent.	2,704,650	2,800,000	3.53	2,100,000	-22.36
	(c) Honda City Aspire Prosmatec Petrol Engine with AC Model 2013 or equivalent.	2,489,840	2,500,000	0.41	1,700,300	-31.71
	(d) Suzuki Cultus VXRi EURO II Petrol Engine with AC Model 2014 or equivalent.	5,683,000	4,800,000	-15.54	4,800,000	-15.54
	<b>SUB - TOTAL (A)</b>	<b>76,449,895</b>	<b>57,690,000</b>		<b>37,040,300</b>	

**CONTRACT PACKAGE TP-I UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,**

**SITE, KARACHI**

**ENGINEER'S ESTIMATE**

**BILL NO. 5: GENERAL WORKS**

Sr.No.	ITEMS OF WORKS	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above /	M/s. S.K.B	% Above /
	(e) Toyota Corolla 1.6 GII Automatic with AC Model 2014 or equivalent.	2,644,830	2,000,000	-24.38	2,000,000	-24.38
	(f) Suzuki Bolan VX EURO II Petrol Engine with AC Model 2014 or equivalent.	2,888,700	4,200,000	45.39	4,200,000	45.39
	(g) Motorbike Honda CD 70 Petrol Engine Model 2014 or equivalent.	201,000	180,000	-10.45	200,000	-0.50
6	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(a).	4,817,160	4,500,000	-6.58	3,600,000	-25.27
7	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(b).	3,970,800	3,600,000	-9.34	3,600,000	-9.34
8	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(c).	3,970,800	3,240,000	-18.40	3,600,000	-9.34
9	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(d).	15,883,200	12,960,000	-18.40	14,400,000	-9.34
10	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(e).	3,970,800	3,240,000	-18.40	3,600,000	-9.34
11	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(f).	11,912,400	9,720,000	-18.40	10,800,000	-9.34
12	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(g).	1,704,240	2,160,000	26.74	864,000	-49.30
13	Location and protection of all public utility services encountered with in the works during the contract period including Telephone Cables, Water Supply Lines, Sewers, Drains, Gas Pipelines, Oil refiner line and Power Cables.	2,000,000	6,000,000	200.00	1,000,000	-50.00

14	Provisional sum for payment to utility agencies for relocation and / or their supervision charges where required.	1,000,000	1,000,000	0.00	1,000,000	0.00
	<b>SUB - TOTAL (B)</b>	<b>54,963,930</b>	<b>52,800,000</b>	<b>-3.94</b>	<b>48,864,000</b>	<b>-11.10</b>

	<b>ENGINEER'S ESTIMATE</b>				<b>M/s. S.K.B</b>	
	<b>SUB - TOTAL (A)</b>	76,449,895	57,690,000		37,040,300	
	<b>SUB - TOTAL (B)</b>	54,963,930	52,800,000		48,864,000	
	<b>GRAND TOTAL:</b>	131,413,825	110,490,000		85,904,300	

10/1

**CONTRACT PACKAGE TP-1 UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT  
HAROONABAD, SITE, KARACHI**  
**CONTRACT PACKAGE TP-1  
ENGINEER'S ESTIMATE  
SCHEDULE OF DAY WORKS**

**SUMMARY**

SR.NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/s. S.K.B	% Above / Below
1	Total for Daywork: Labour	1,124,500	2,200,000	95.64	1,047,800	-6.82
2	Total for Daywork: Material	8,617,709	22,000,000	155.29	23,426,000	171.84
3	Total for Daywork: Construction Plants	5,655,000	14,000,000	147.57	2,184,000	-61.38
	Total for Dayworks	15,397,209	38,200,000	148.10	26,657,800	73.13

**CONTRACT PACKAGE TP-1 UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT**

**HARROONABAD, SITE, KARACHI**

**ENGINEER'S ESTIMATE**

**Bill No.7 (Operation and Maintenance)**

**Operation service for the Works (for specified Operation Service Period)**

<b>Sr. No.</b>	<b>Item Description</b>	<b>ENGINEER'S ESTIMATE</b>	<b>M/S. PAK OASIS IND.</b>	<b>% Above / Below</b>	<b>M/s. S.K.B</b>	<b>% Above / Below</b>
1	Providing Operation and Maintenance Services for the Works, for specified Operation Service period of 365 days, complete in all respects, in accordance with the Contract, including charges of electricity and other utilities.	321,720,000	8,400,000	-97.39	8,400,000	-97.39
	Total for Operation and Maintenance	321,720,000	8,400,000	-97.39	1,047,800	-99.67

Note : The rate of electricity taken at Rs.17.0 per KW





TEL: 99212958  
 FAX: 99211172  
**MOST**  
**IMMEDIATE**

*Att'do - Mr. Rasheed Solani*  
 Add. Secy: LGD  
 No. LG(SO-VII)/2-5/KW&SB/2013  
 LOCAL GOVERNMENT OF SINDH  
 Karachi dated the 05<sup>th</sup> April, 2013  
 P.D.K-  
 From

To  
 The Managing Director,  
 Karachi Water & Sewerage Board  
 Karachi.

**SUBJECT:- NOMINATION OF ENGINEERING STAFF (BS-18 OR ABOVE) FOR THE TENDER EVALUATION OF KW&SB PROJECT**

I am directed to refer to your letter No.PD/KW&SB/CP/2013/30, dated 14.3.2013 on the subject noted above and to convey that Competent Authority has been pleased to nominate the Director General (M&E), Local Government Department as Member of this department for Procurement/Tender Evaluation Committees for all KW&SB's Projects.

I am further directed to convey following instructions for compliance in letter and spirit in respect of all projects being sponsored/funded by Government of Sindh:-

- a) Approval of Tender/Bid Evaluation must be got approved from the Government of Sindh i.e. Local Government Department as Secretary, LGD is Principal Accounting Officer.
- b) Any variation in rates/revision/modification must be got cleared from Local Government Department.
- c) The 3<sup>rd</sup> Party Evaluation must be ensured and given priority.

SECTION OFFICER-VII  
 FOR SECRETARY TO GOVT. OF SINDH

*[Handwritten Signature]*

- The Additional Chief Secretary (Dev) P&D Department, GOS
- The Secretary, Finance Department, Government of Sindh
- The Special Secretary (Tech.), LGD
- The Director General (M&E), LGD
- PS to Secretary, LGD

C.c to:-

INWARD DIARY # F

NO: 2023

DATED: 65-05-11

Magsood Ahmed Shaikh  
S.E (KMC)  
Member Procurement Committee  
For Contract Packages TP-I & TP-III

9/9/2014

*[Handwritten signature]*

*[Handwritten notes and signatures]*  
12/2/14  
Sindh

This is being submitted for keeping the record straight.

I intend to submit that on the financial evaluation report of the subject contract packages, the undersigned had put the remarks by agreeing the remarks of Director General (M&E) LGD where he had mentioned that due to very high prices quoted by the lowest bidder over and above the PC-I provision, the approval of bid from the competent Forum may be secured of prior to award of work.

Subject: **CONTRACT PACKAGES TP-I AND TP-III**

The Managing Director  
Sindh Public Procurement Regulatory Authority (SPPRA),  
Govt. of Sindh  
Karachi.

To,



**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE PROJECT DIRECTOR (S-III)**  
Block – D, 1<sup>st</sup> Floor, 9th Mile Karsaz, Shakra-e-Faisal, Karachi


No. PD/S-III/KW&SB/2014/261

Dated: March 19, 2014

**OFFICE ORDER**

In continuation to Office Order No. KW&SB/DMD/HRD&A/10 dated 07<sup>th</sup> January 2014 regarding constitution of Procurement committee "to open and evaluate the bids submitted by the participating contractors for contract package LS-02, LS-03, LS-04 & LS-05, under S-III Project, two more members as follows are added to the constituted committee to comply fully with the Clause-7 of the SPPRA Rule 2010.

1. Mr. Maqsood Shaikh, Executive Engineer, KMC.
2. Mr. Moazzam Fayyaz, Executive Engineer, S-III Project, KW&SB.

  
Project Director  
(S-III) Project, KW&SB

**Distribution:**

1. Dy. Managing Director (HRD), KW&SB
2. Convener of the Committee
3. Members of the committee

**Copy to:**

1. Chairman, KW&SB.
2. Vice Chairman, KW&SB
3. Managing Director



**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE PROJECT DIRECTOR (S-III)**  
Block – D, 1<sup>st</sup> Floor, 9th Mile Karsaz, Shakra-e-Faisal, Karachi


No. PD/S-III/KW&SB/2014/260

Dated: March 19, 2014

**OFFICE ORDER**

In continuation to Office Order No. KW&SB/DMD/HRD&A/35 dated 04<sup>th</sup> February 2014 regarding constitution of Procurement committee "to open and evaluate the bids submitted by the participating contractors for Treatment Plants (TP-I, TP-III & TP-IV), under S-III Project has been amended two more members added to the constituted:

1. Mr. Maqsood Shaikh, Executive Engineer, KMC.
2. Mr. Ayaz Tunio, Dy. Project Manager (E&M), S-III Project, KW&SB.

  
Project Director  
(S-III) Project, KW&SB

**Distribution:**

1. Dy. Managing Director (HRD), KW&SB
2. Convener of the Committee
3. Members of the Committee

**Copy to:**

1. Chairman, KW&SB.
2. Vice Chairman, KW&SB
3. Managing Director



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**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE EXECUTIVE ENGINEER S-III**

Block-D, 9th Mile Karsaz, Shakra-e- Faisal, Karachi  
Tel. # 99240828 Fax # 99240873

No. EE/S-III/KW&SB/2014/ 284

Dated: May 26, 2014

The Director,  
Capacity Building,  
Sindh Public Procurement Regulatory Authority,  
Karachi

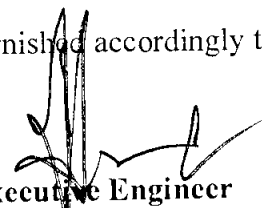
**GREATER KARACHI SEWERAGE PLAN S-III**

**Sub: Announcement of Technical Evaluation Report under Clause 7.9 of SPPRA Regulation for Upgradation and Expansion of Sewage Treatment Plant under S-III Project.**

**Ref: SR No. 18490 and SR No. 18489**

Enclosed Please find herewith Technical Evaluation Report in accordance with Clause 7.9 of SPPRA Regulation, for Contract Packages of Sewage Treatment Plants at Mauripur and Haroonabd SITE Karachi under S-III Project. Furthermore, the Financial Evaluation Report as per Clause 45 of SPPRA Rules 2010 will be furnished after bid opening.

Any further information related in the matter shall be furnished accordingly to SPPRA for review and necessary action.

  
Executive Engineer  
Secretary Evaluation Committee  
S-III Project, KW&SB

Copy to:

1. Project Director, S-III Project KW&SB
2. Chief Engineer, S-III Project KW&SB

16009  
27-5


27/5  
M/L


## TECHNICAL EVALUATION REPORT / QUALIFICATION ASSESSMENT


**Name of Procuring Agency:** Karachi Water & Sewerage Board

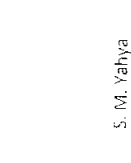
**Name of Work:** Contract Package "Up-Gradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE Karachi", under S-III Project.

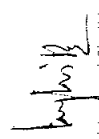
S.No.	Evaluation Criteria	Max. Marks	M/s. Pak Oaisis Ind. (Pvt) Limited	M/s. Saadullah Khan & Bros.
1	Qualification of Firm			
	(i) Execution of Similar Nature Project	35 Nos.	35 Nos.	35 Nos.
	(ii) Inhouse Design Facility	30 Nos.	20 Nos.	15 Nos.
	(iii) Understanding of Project	35 Nos.	30 Nos.	25 Nos.
2	Key equipment (Machineries & Tools)	100 Nos.	70 Nos.	57.5 Nos.
3	Key Personnel	100 Nos.	94.1 Nos.	83.7 Nos.
4	Financial	100 Nos.	89 Nos.	100 Nos.
	<b>Total</b>	<b>400 Nos.</b>	<b>338.1 Nos.</b>	<b>316.2 Nos.</b>
	<b>Results</b>		<b>Technically Qualify</b>	<b>Technically Qualify</b>


  
Mukhtar Ali Samito  
EE (S-III)  
Member / Secretary


  
Naveed Jabbar  
A.O (S-III)  
Member


  
Faheem A. Jurejo  
D.G (MEC) GOS  
Member

  
S. M. Yahya  
Inst. (Environ) GOS  
Member

  
Raquood Shaikh  
S.E (KMC)  
Member

  
Syed Qaiser Ali  
S.E. KW&SB  
Member

  
Sardar Ali Shah  
P.M (S-III)  
Member

  
Ovais Malik  
C.E (West)  
Convener

# SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY CONTRACT EVALUATION FORM

**TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF  
WORKS, SERVICES & GOODS WORTH 50 MILLION (PKR) OR ABOVE**

- |  |   |   |   |
|--|---|---|---|
| 1)   | NAME OF THE ORGANIZATION / DEPTT.   | : | KARACHI WATER & SEWERAGE BOARD  |
| 2)   | PROVINCIAL / LOCAL GOVT. / OTHER  | : | LOCAL GOVERNMENT  |
| 3)   | TITLE OF CONTRACT   | : | Work Contract STP- I  |
| 4)   | TENDER NUMBER   | : | Serial No. 18489  |
| 5)   | BRIEF DESCRIPTION OF CONTRACT   | : | <u>Up-Gradation and Expansion of Treatment Plant<br/>STP - I, At Haroonabad, SITE Karachi</u> |
| 6)   | FORUM THAT APPROVED THE SCHEME  | : | ECNEC   |
| 7)   | TENDER ESTIMATED VALUE  | : | Rs.,3,991,580,531   |
| 8)   | ENGINEER'S ESTIMATE   | : | <u>Rs. 3,991,580,531</u>  |
| 9)   | ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) :   |   | 730 days  |
| 10)  | TENDER OPENED ON (DATE & TIME)  | : | 09.05.2014 (2.30 p.m.)  |
| 11)  | NUMBER OF TENDER DOCUMENTS SOLD<br>(Attach list of buyers)  | : | 08 Nos. (Eight)   |
| 12)  | NUMBER OF BIDS RECEIVED   | : | 02 Nos. (Two)   |
| 13)  | NUMBER OF BIDDERS PRESENT AT THE TIME OF<br>OPENING OF BIDS   | : | 02 Nos. (Two)   |
| 14)  | BID EVALUATION REPORT   | : | Attached  |
| 15)  | NAME AND ADDRESS OF THE SUCCESSFUL BIDDER:  |   | M/s. Pak Oasis Industries (Pvt) Ltd.  |
| 16)  | CONTRACT AWARD PRICE  | : | <u>Rs.3,705,342,890</u>   |
| 17)  | RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT<br>(i.e. 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> EVALUATION BID). | : | 1. M/s. Pak Oasis Industries (Pvt) Ltd.<br>2. M/s. Saaduliah Khan & Brothers.                 |
| 18)  | METHOD OF PROCUREMENT USED  | : | - (Tick one)  |
|  | a) SINGLE STAGE - ONE ENVELOPE PROCEDURE _____  |   |   |
|  | 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.<br>EMERGENCY, DIRECT CONTRACTING / NEGOTIATION ETC. WITH BRIEF REASONS: |   |   |   |
| 19)  | APPROVING AUTHORITY FOR AWARD OF CONTRACT   | : | PROJECT DIRECTOR  |

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

Yes		No	
-----	--	----	--

21) ADVERTISEMENT :  
i) SPPRA Website (If yes, give date and SPPRA Identification No. 

Yes	SR.No. 18489		
No			

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

Yes	Daily Jang	02.1.2014	
	Daily Dawn	02.1.2014	
	News Intl.	02.1.2014	
	Khaleej Time	19.3.2014	

22) NATURE OF CONTRACT : Works

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

Yes		No	/
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24) WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS? (If yes, enclose a copy) 

Yes	/	No	
-----	---	----	--

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

Yes		No	
-----	--	----	--

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS? 

Yes	/	No	
-----	---	----	--

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

Yes	/	No	
-----	---	----	--

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY COMPLIANT? 

Yes	/	No	
-----	---	----	--

29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS? 

Yes	/	No	
-----	---	----	--

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

Yes	/	No	
-----	---	----	--

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

Yes		No	/
-----	--	----	---

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

Yes	/	No	
-----	---	----	--

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

Yes	/	No	
-----	---	----	--

34) DEVIATION FROM QUALIFICATION CRITERIA (If yes, give detailed reasons.) 

Yes		No	
-----	--	----	--

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

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? IF SO, DETAILS TO  
BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD  
(If yes, enclose a copy)

Yes		No	✓
-----	--	----	---

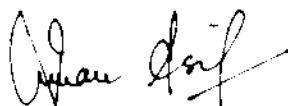
37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION  
ADVANCE PAYMENT IN THE CONTRACT (BANK  
GUARANTEE ETC.)?

Yes	✓	No	
-----	---	----	--

38) SPECIAL CONDITIONS, IF ANY  
(If yes, give Brief Description)

Yes		No	✓
-----	--	----	---

Signature & Official Stamp of  
Authorized Officer



**FOR OFFICE USE ONLY**

**SPPRA, Block. No.8, Sindh Secretariat No.4-A, Court Road, Karachi**  
**Tele: 021-9205356; 021-9205369 & Fax: 021-9206291**

# NOTE SHEET

( 1 )

Paras

Reference

Subject: APPROVAL OF BID EVALUATION REPORT (FINANCE).

Contract Package TP-I "Up-Gradation and Expansion of Treatment Plant TP-I, at Haroonabad, SITE, Karachi, under S-III Project"

1/ KW&SB invited tenders from the Contractors having PEC registration in CA or CB Category with relevant specialization (CE -09, CE-10, ME-06, EE-04 & EE-05) for the proposed subject work, on 02.01.2014 (Annex-1). Ten contractors firms having registration in required category and specialization with PEC, purchased the bid documents.

2/ A tender Procurement Committee comprising of Nine Members headed by Chief Engineer (West) KW&SB (Annex-2) was constituted and assigned tasks by the Competent Authority of KW&SB, in the guidelines of Clause-7 & 8 of SPPRA Rules 2010.

3/ The Procurement Committee opened and announced the financial proposal at Stage- I on the specified date, time and venue i.e. 1500 hours on 27.05.2014 at Committee Room, M.D. Secretariat, Block-D, 9<sup>th</sup> Mile Karsaz KW&SB Office, Shahrah-e-Faisal, Karachi, prior to it technically proposal opened on 09.05.2014 in accordance to the criteria set for responsiveness of firm and only one firm submitted the bid documents.

4/ Two (02) Contractor Firms submitted bidding documents and found responsive technically to qualify for stage-II i.e. opening of financial proposal for Contract Package of STP-I.

5/ The announced Bid Price and the corrected bid price of the bidder is as under:

Name of Bidder	Announced Bid Price in Rupees	Corrected Bid Price (Rs)	Rank
M/s. Pak Oasis Industries (Pvt) Ltd	3,889,961,281	3,891,660,035	1st lowest
M/s. Saadullah Khan & Bros	4,040,704,927	4,040,704,927	2 <sup>nd</sup> lowest

6/ The Procurement Committee carried out thorough evaluation of the bids in accordance with the standard guidelines for the evaluation of bids laid down by SPPRA and also carried out the scrutiny / examination of the bids for the verification, eligibility, bid Security, Completeness and Responsiveness of bids (financial proposal).

7/ Subsequently, the working of the Procurement Committee was compiled in shape of Bid Evaluation Report (Technical and Financial) for the subject Contract Package of S-III Project containing the preliminary as well as comprehensive evaluation of submitted responsive bidder.

8/ The bid of M/s. Pak Oasis Industries (Pvt) Limited was examined at first for following:

- 9/ 1) Verification: Properly signed and duly filled all forms and appendices of bid.
- 10/ 2) Bid Security: Inform of Bank Guarantee amounting to Rs. 40,000,000 valid upto Oct. 09, 2014, bearing No. LG 14900100001857 dated 08.05.2014 issued by J.S Bank, Shaheen Complex Branch, Karachi.
- 11/ 3) Responsiveness: Bid confirms all terms and condition and specification of Bid Documents.

# NOTE SHEET

( 2 )

Paras

Reference

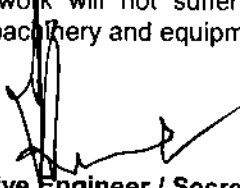
- 12/ The bid of M/s. Saadullah Khan & Bros was examined at first for following:
- 13/ 1) Verification: Properly signed and duly filled all forms and appendices of b.d.
- 14/ 2) Bid Security: Inform of Pay Order amounting to Rs. 40,000,000, bearing No. PO 2941181 dated 08.05.2014 issued by United Bank Limited Nursery Branch, Karachi.
- 15/ 3) Responsiveness: Bid confirms all terms and condition and specification of Bid Documents.

### COMPARISON WITH ENGINEER'S ESTIMATE

Name of Bidder	Engineer's Estimate (Rs.)	Quoted Price (Corrected)	% Above/Below
M/s Pak Oasis Ind.	4,192,209,448	3,891,660,035	7.17 below
M/s. Saadullah Khan & Bros	4,192,209,448	4,040,704,927	3.61 below

17/ The Procurement Committee having carried out the analysis, checks and pre-requisites for evaluation and in consideration of all aspects related to the tender. After due deliberation and consensus recommends that the work subject may be awarded to M/s. Pak Oasis Industries (Pvt) Ltd., being the lowest evaluated bidder for the offered Bid of Rs. 3,891,660,035/- (Rupees Three Thousand Eight Hundred and Ninety One Million six Hundred Sixty Thousand and thirty Five only), which is 7.17 % below the engineer's estimate including provisional sums and 05% physical contingencies. Keeping in view of evaluated bid price, an undertaking is required that, the bidder possesses the adequate financial resources and should ensure that progress of work will not suffer due to financial constrains or non-availability of material, machinery and equipments.

18/ Submit please.

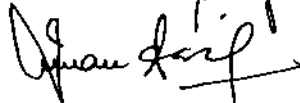
  
**Executive Engineer / Secretary**  
**Bid Evaluation Committee**  
**S-III Project, KW&SB**

19/ Convener Procurement Committee

Project Director S-III Project

Approved as proposed above.

CE(S-III) :-





**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE PROJECT DIRECTOR**  
**(S-III Project)**

**Block-"D" 9<sup>th</sup> Mile Karsaz, Shahrah-e-Faisal Karachi**

No. PD(S-III Project)/TP-I/KW&SB/2014/ 17

Dated 25-08 /2014

**M/s Pak Oasis Industries (Pvt.) Ltd**

**Water House**  
**33-C, Khayaban-e-Ittehad,**  
**Lane I, Phase-VI,**  
**DFA - Karachi**

**Contract:** Contract Package TP-I: Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi

**Subject:** LETTER OF AWARD

Subsequent to submission of Performance Guarantee from your end upon issuance of Letter of Acceptance for bid dated **9th May 2014** for execution of the **Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**, for a corrected Contract Amount of the equivalent to **Pak Rs. 3,889,961,281/-** (Pak Rupees Three Thousand Eight Hundred Eighty Nine Million Nine Hundred Sixty One Thousand Two Hundred and Eighty One only) as corrected and modified in accordance with the Instructions to Bidders is hereby accepted for the issuance of award of works by the Project Director (S-III Project), Karachi Water and Sewerage Board.

However due to funding constraints this office please to **Award** the Stage-I of cited Contract works to M/s Pak Oasis Industries (Pvt) Ltd which includes the Up-gradation of TP-I including some civil expansion works with an overall cost of **Pak Rs. 2,487,395,425/-** (Pak Rupees Two Thousand Four Hundred Eighty Seven Million Three Hundred Ninety Five Thousand Four Hundred and Twenty Five only).

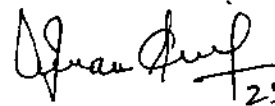


The remaining/withheld scope of work (Stage-II) amounting to Pak Rs 1,402,565,856/- (Pak Rupees One Thousand Four Hundred Two Million, Five hundred Sixty Five Thousand Eight Hundred and Fifty Six only), shall be released for execution upon formal approval of Revised PC-I from the Competent Authority, which is currently under process.

There shall be no claim admissible for the non-availability of funds for the Stage-II of the contract works.

You are therefore, directed to furnish the Contract Agreement as per the requirement of Contract.

We look forward to working with you on this project.

  
Imran Asif 25/08/2014.

**Project Director (S-III Project)**  
**Karachi Water & Sewerage Board**

Copy to:

1. Secretary LG, GoS
2. Managing Director, KW&SB
3. Chief Engineer (S-III Project), KW&SB
4. Chief Resident Engineer (S-III Project), TCI



# Karachi Water & Sewerage Board

## Office of the Chief Engineer (S-III Project)

Block-D, 9<sup>th</sup> Mile Karsaz, Shahra-e-Faisal, Karachi  
Tel: 0092- 21 99240828 Fax: 0092-21-99240828

### NOTICE INVITING TENDER

The Karachi Water & Sewerage Board has received funds from the Federal / Provincial Government towards cost of Greater Karachi Sewerage Plan (S-III Project) and it is intended that part of the proceeds of the funds will be applied to eligible payments under the contracts for the components of S-III Project. The Project Director, Greater Karachi Sewerage Plan (S-III), Karachi Water & Sewerage Board invites wax sealed tenders under Single Stage Two Envelope bidding procedures on International Competitive Bidding (ICB) basis in accordance with SPPRA Rules-2010 (<http://www.pprasindh.gov.pk>) and Pakistan Engineering Council (PEC) (<http://www.pec.org.pk>) from competent contractors joint ventures or consortium or consortia for the following works:

- Contract Package TP-I: "Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE-Karachi".

The work under this component involves Restoration of Existing Sewage Treatment Plants to their original capacities and further enhancement of Treatment Capacities including Commissioning. The contractor will carry out all the works as per tender designs and drawings and also be responsible for its operation and maintenance and providing necessary relevant training to the KW&SB staff, for a period not less than 12 months after commissioning.

The Bidding is open to:

- Pakistani contractors registered with Pakistan Engineering Council (PEC) in CA category along with specialization in CE-09, CE-10, ME-06, EE-04 & EE-05.
- Joint Venture / Consortium of Pakistani contractors with Lead firm registered with Pakistan Engineering Council (PEC) in CA Category, each firm in the Joint Venture having registration in CA or CB category, and the Joint Venture jointly meeting the requirement of registration with specialization CE-09, CE-10, ME-06, EE-04 & EE-05.
- Joint Venture / Consortium of International and Pakistani Contractors(s) with at least one Pakistan Joint Venture partner registered with Pakistan Engineering Council in CA or CB category.
- Joint Venture / Consortium of International Contractors or Single International applicant which has at least one Pakistani subcontractor registered with Pakistan Council in CA or CB category.

Bidders may obtain information by acquiring the Bidding Documents (BD), from 20th March, 2014 upto 16:00 hours Thursday the 8th May, 2014 from the Office of the Project Director (S-III Project), Karachi Water & Sewerage Board 1st Floor, Block-D, 9th Mile Shahrah-e-Faisal, Karachi.

Project Director, S-III Project  
Karachi Water & Sewerage Board  
1<sup>st</sup> Floor, Block-D, 9<sup>th</sup> Mile Office, Shahrah-e-Faisal, Karachi  
Tel: +92 21 99240828, Facsimile +92-21-99240828

A complete set of Bidding Document may be purchased by submitting a letter of request for documents on business letterhead from the following office of KW&SB upon payment of non-refundable fee of Rs.10,000/- or US\$ 100/- per set in shape of Pay Orders in favour of Karachi Water & Sewerage Board. If requested in writing with an additional payment of US \$ 100/- or equivalent local currency, the Bidding Documents will be promptly dispatched by registered mail or courier service, but under no circumstances, will the Project Director (S-III) be held responsible for late delivery or loss of documents so sent out.

All Bids (Technical) must be accompanied by a bid security equivalent to Pak Rs.40 Million, in the shape of call on deposit, pay order, demand draft or bank guarantee issued by a Schedule Bank in Pakistan, in favour of Karachi Water & Sewerage Board.

Bids must be delivered in the office of Project Director, S-III Project, KW&SB at 1st Floor, Block-D, 9th Mile Office Shahra-e-Faisal, Karachi before 14:30 hours, on Friday the 09th May, 2014 and will be opened on the same day at 15:00 hours by the high powered bid opening committee appointed by KW&SB in the presence of bidder's representatives who choose to attend the opening of Bids. If due to unavoidable circumstances, the bid submission is not possible on the scheduled date, the submission and opening of bids will be carried out on the next working day on the schedule time and venue.

Pre- Bid meeting shall be held at 14:00 Hrs. on Wednesday the 9th April 2014 at Committee Room of P.D (S-III Project) Secretariat, Block-D, 9th Mile office, Shahrah-e-Faisal, Karachi.

The acceptance of bids shall rest with the Competent Authority of KW&SB (Project Director S-III Project), who reserves the right to accept or reject any or all bids as per SPPRA Rules.

Late Bids will be rejected; Bidders shall not enclosed testimonials, certificates and publicity material other than those requested in the Bidding Documents with their bids. Such information will not be taken into account in the evaluation of Bid.

The notice inviting tender will also be posted on Sindh Public Procurement Regulatory Authority (SPPRA) websites (<http://www.pprasindh.gov.pk>).

Chief Engineer (S-III Project)  
Karachi Water & Sewerage Board  
1<sup>st</sup> Floor, Block-D, 9<sup>th</sup> Mile office,  
Shahrah-e-Faisal, Karachi, Pakistan  
Tel: +92- 21 99240828, Facsimile: +92 21 99240828



**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE CHIEF ENGINEER (S-III PROJECT)**  
 Block D, 9th Mile Karsaz, Shahra-e-Faisal, Karachi  
 Tel. # 0092 21 99240828 Fax # 0092 21 99240873

**NOTICE INVITING TENDER**

1. The Karachi Water & Sewerage Board has received funds from the Federal/Provincial Government towards cost of Greater Karachi Sewerage Plan (S-III Project) and it is intended that part of the proceeds of the funds will be applied to eligible payments under the contracts for the components of S-III Project. The Project Director, Greater Karachi Sewerage Plan (S-III), Karachi Water & Sewerage Board invites wax sealed tenders under Two-Stage — Two- Envelope bidding procedures on International Competitive Bidding (ICB) basis in accordance with SPPRA Rules 2010 (<http://www.pprasindh.gov.pk>) and Pakistan Engineering Council (PEC) (<http://www.pec.org.pk>) from competent contractors, joint-ventures or consortia for the following work:-
    - **Contract Package TP-1: Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE - Karachi.**
  2. The work under this component involves Restoration of Existing Sewage Treatment Plants to their original capacities and further enhancement of Treatment Capacities including Commissioning. The contractor will carry out all the works as per tender designs and drawings comprising of Civil, Electrical and Mechanical / Instrumentation Components and will also be responsible for its operation and maintenance and providing necessary relevant training to the KWSB staff, for a period not less than 12 months after commissioning.
  3. The bidding is open to:
    - Pakistani contractors registered with Pakistan Engineering Council (PEC) in CA Category along with specialization in CE-09, CE-10, ME-06, EE-04 & EE-05.
    - Joint-Venture/Consortium of Pakistani contractors with Lead firm registered with Pakistan Engineering Council (PEC) in CA Category, each firm in the Joint-Venture having registration in CA or CB Category and the Joint-Venture jointly meeting the requirement of registration with specialization in CE-09, CE-10, ME-06, EE-04 & EE-05.
    - Joint-Ventures/Consortium of International and Pakistani Contractor(s) with at least one Pakistani Joint-Venture partner registered with Pakistan Engineering Council in CA or CB Category.
    - Joint-Ventures/Consortium of International Contractors or Single International Applicant which has at least one Pakistani sub-contractor registered with Pakistan Engineering Council in CA or CB Category.
  4. The bidders may obtain information by acquiring the Bidding Documents (BD) up to 1600 hours, Monday the 24th February 2014, from the Office of Project Director (S-III Project), Karachi Water and Sewerage Board, 1st Floor, Block-D, 9th Mile, Shahrah-e-Faisal, Karachi.
  5. A complete set of bidding documents may be purchased by submitting a letter of request for documents on business letterhead from the following office of KW&SB upon payment of non-refundable fee of Rs. 10,000/- or US\$ 100 per set in shape of Pay Order in favour of Karachi Water & Sewerage Board. If requested in writing with an additional payment of US\$ 100/- or equivalent local currency, the bidding documents will be promptly dispatched by registered mail or courier service, but under no circumstances, the Project Director (S-III) will be held responsible for late delivery or loss of documents so sent out.
 

**Project Director, S-III Project**  
**Karachi Water & Sewerage Board**  
**1st Floor, Block-D 9th Mile Office,**  
**Shahrah-e-Faisal, Karachi**  
**Tel: +92-21-99240828; Facsimile: +92-21-99240873**
  6. All bids (technical) must be accompanied by a bid security equivalent to Pak Rs. 40 Million in shape of call deposit, pay order, demand draft or bank guarantee issued by a Scheduled Bank in Pakistan, in favour of Karachi Water & Sewerage Board.
  7. The bids must be delivered in the office of Project Director, S-III Project, KW&SB at 1st Floor, Block-D, 9th Mile Office, Shahrah-e-Faisal, Karachi before 1400 hours, on Tuesday the 25th February 2014 and will be opened on the same day at 1430 hours by the high powered Bid Opening Committee appointed by KW&SB in the presence of bidders/representatives who choose to attend the opening of bids. If due to unavoidable circumstances, the bid submission is not possible on the scheduled date, the submission and opening of bids will be carried out on the next working day on the schedule time and venue.
  8. The pre-bid meeting shall be held at 1500 hrs on Tuesday the 4th February 2014, at Committee Room of P.D. (A-III Project) Secretariat, Block D, 9th Mile Office, Shahrah-e-Faisal, Karachi.
  9. The acceptance of bids shall rest with the Competent Authority of KW&SB (Project Director, S-III Project), who reserves the right to accept or reject any or all bids, as per SPPRA Rules 2010.
  10. Late bids will be rejected. The bidders shall not enclose testimonials, certificates and publicity material other than those requested in the bidding documents with their bids. Such information will not be taken into account in the evaluation of bid.
  11. The Notice Inviting Tender has also been posted on Sindh Public Procurement Authority (SPPRA) website (<http://www.pprasindh.gov.pk>).
- The Chief Engineer, S-III Project,**  
**Karachi Water & Sewerage Board**  
**1st Floor, Block D, 9th Mile, Sharah-e-Faisal, Karachi, Pakistan**  
**Tel: +92 21 99240828; Facsimile: +92 21 99240873**
- INF-KRY No. 3185/13



# KARACHI WATER & SEWERAGE BOARD OFFICE OF THE CHIEF ENGINEER (S-III PROJECT)

Block-D, 9th Mile Karsaz, Shahra-e- Faisal, Karachi  
Tel. # 99240828 Fax # 99240873

To,

No. PD/S-III/TP-I/KW&SB/2014/111  
Dated: March 12, 2014

## GREATER KARACHI SEWERAGE PLAN (S-III)

**Subject:** Minutes of Pre-bid Meeting along with Amendments in Contract  
**Reference:** Contract Package TP-I: Upgradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE - Karachi

Please find attached herewith replies of queries raised at pre-bid meeting of above referred contract works held in accordance with requirement of Section IB.17 of Instruction to Bidders, on 24<sup>th</sup> February 2014.

Pursuant to Clause IB - 9 of Instruction to Bidders, the following amendments are also made in the Tender Documents issued for the work cited above;

### Volume-II of Bidding Documents (BOQ)

- 1) Substitute Appendix-C to Bid (BC-1) with Revised Appendix-C to Bid (BC-1R)
- 2) A new Bill Nr.7 for Operation and Maintenance along with its preamble is added
- 3) Substitute Summary of BOQ at BOQ-Page No-1 with BOQ-Page No-1(R)
- 4) Page # 10, 22, 23, 32 & 56 of Civil Works BOQ are replaced with enclosed revised pages
- 5) Page # 16 of Mechanical Works BOQ is replaced with enclosed revised page

### Volume-III-C Specifications (Mechanical & Geotechnical Works)

- 6) At the end of Section 20.24 "Specific Requirement of Trickling Filter Media" is added

### Volume-IV Tender Drawings

- 7) Complete set of Tender Drawings is replaced with enclosed Revised Tender Drawings

The replies of queries at pre-bid meeting along with above stated amendments shall form an integral part of the Tender Documents and shall be signed, stamped and submitted with the Bid by the bidder.

The Bidder shall acknowledge the receipt of replies of queries at Pre-bid meeting and Amendments immediately.

Enclosed: As above

P.D. (S-III) KW & SB  
29/3/14

Chief Engineer (S-III) Project
Inward Ditary No: 865
Dated: 13-3-14
Karachi Water & Sewerage Board

*CE(S-III)*  
*Pl. keep on record.*  
*12/03/2014*

*[Signature]*  
Chief Engineer (S-III Project)  
Karachi Water & Sewerage Board

Copy to:

1. Project Director (S-III Project), KW&SB


*[Signatures]*



**Subject: Contract Package TP-1: Upgradation and Expansion of Sewage Treatment Plant  
at Haroonabad, SITE - Karachi**

**Reply of Queries raised at Pre-Bid Meeting held on 24th February, 2014**

S.No	Queries	Replies
1	<p>Overview of Treatment Plant No.1 may please be provided.</p>	<p>Sewage Treatment Plant No.1 (24°53' 58"N 67°00'07"E) is situated in Sindh Industrial and Trading Estate (S.I.T.E.) Karachi. The treatment plant was designed and constructed by Dutch Dorr-Oliver NV, Netherlands for hydraulic capacity of 20 MGD, to requirements specified by the Central Engineering Authority in 1964.</p> <p>In 1985, Balfours Engineering Consultants from United Kingdom (UK) conducted studies for the capacity enhancement of TP-1 up to 51 MGD.</p> <p>In the year 1995 Dong Fang Electric Corporation from China contracted the plant for its rehabilitation and up-grading in accordance with the rehabilitation program of the overall process system designed by Balfours Engineering Consultants.</p> <p>General topography of the TP-1 site, with an area of about 130.7 acres of which around 25 acres are covered with existing treatment plant excluding drying beds and lagoons. The treated effluent from TP-1 will be discharged into Lyari River, through a 1.5 km long pipeline and 3.5 km long open channel, from where it will be eventually disposed of into Arabian Sea.</p> <p>After the implementation of S-III Project current treatment facility will be upgraded from 51MGD to 100MGD.</p> <p>Following are the key components of treatment system and facilities proposed for new TP-1.</p> <p>Wastewater Screen Chamber (Coarse), Wastewater Pumping Station, Wastewater Screen Chamber (Fine), Grit Chamber, Primary Settling Tanks, Trickling Filters &amp; Humus Tanks</p> <p>Sludge Thickening in Combined Picket Fence Sludge Thickeners, Sludge Digestion In Anaerobic Sludge Digester (Optional) &amp; Sludge Dewatering (Conventional Drying Beds)</p>

  
**NADEEM AHMED**  
 Executive Engineer  
 (E&M-MSTP-III) S-III  
 K.W.R.S.E

**Subject: Contract Package TP-I: Upgradation and Expansion of Sewage Treatment Plant  
at Haroonabad, SITE - Karachi**

**Reply of Queries raised at Pre-Bid Meeting held on 24th February, 2014**

S.No	Queries	Replies
2	Since the Project involves import of plants and machinery which constitutes considerable amount of the bid, there should be provision of foreign currency components for the import of Plant and machinery.	Refer IB 13.1 of Bidding Data and Appendix-B to Bid, bidders have to quote entirely in Pak Rupees.
3	Alternate Proposals should be allowed so that the Bidders can propose any other optimum/ efficient design in the best interest of project. To achieve this purpose, treatment plant design criteria i.e. flow rate, BOD, COD, TSS, O&G and other necessary parameters should be provided.	Refer IB.16 of Bidding Data, bidders will only quote for the tender design. However, <i>Value Engineering</i> from the successful bidder may be considered under the Contract, after the award of works.
4	AS per NIT, the qualification criteria requirement was for registration with PEC as contractors in the specified categories only. The demand for registration in operator's category was not asked in the tender advertisement. However, registration as operator can be obtained from PEC if the project is awarded.	Valid PEC Registration in Operator category will have to be provided by the bidders at the time of opening of "Price Bid", failing which the bidder shall be considered technically failed and his financial bid shall be returned un-opened.
5	It is observed that water treatment plant experience has been given weightage in the evaluation criteria for technical qualification. It is pertinent to mention here that this is a sewage treatment plant project and relevant experience of sewage treatment plants should be taken into consideration while evaluating the bids because sewage treatment is entirely a different process as compared to water treatment. Giving weightage to water treatment plants experience in the evaluation criteria, which is irrelevant in this case, will give undue advantage to companies who have zero experience in sewage treatment plants and this project, if awarded to them, will be an experiment for them. Kindly change the evaluation criteria accordingly.	In order to have wide & healthy competition, experience in the discipline of water works is also considered relevant. Furthermore, experience is not the sole criteria of technical qualification, the bidders are also required to satisfy the other criterias' which will sufficiently prove their capacity to undertake the required works.

**NADEEM AHMED**  
 Executive Engineer  
 (E&M-MSTP-II) S-III  
 K.W & S.B

**Subject: Contract Package TP-1: Upgradation and Expansion of Sewage Treatment Plant  
at Haroonabad, SITE - Karachi**

**Reply of Queries raised at Pre-Bid Meeting held on 24th February, 2014**

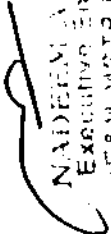
S.No	Queries	Replies
6	Bidders should be allowed to furnish bid security in the form of Insurance Bonds issued by AA rated insurance companies as allowed by PEC. Also please specify in which envelope (Technical or financial) bid security should be included.	Furnishing of Bid Security in specified form is in accordance with the requirement of SPPRA Rules, which cannot be changed. Refer IB 11.1 (A) of Bidding Data, Bid Security will have to be submitted with Technical Bid, in the form specified.
7	Bidders should be allowed to furnish performance security in the form of Insurance Bond issued by AA rated Insurance Companies as PEC also allows it.	Furnishing of Performance Security in specified form is in accordance with the requirement of SPPRA Rules, which cannot be changed.
8	Bidders should be allowed to furnish Mobilization Advance Guarantee in the form of Insurance Bond issued by AA rated insurance companies as PEC also allows it.	Furnishing of Mobilization Advance Guarantee in specified form is in accordance with the requirement of SPPRA Rules, which cannot be changed.
9	In Appendix-C to Bid (BC-1), escalation is provided only for local labour, cement - in bags reinforcing steel, high speed diesel (HSD) and no escalation is allowed for imported items for devaluation of Rs. Against USD. Atleast 25% weightage for price adjustment should also be given to imported items.	Revised Appendix-C to Bid (BC-1) is attached at Annexure-A.
10	There is no reference spec mentioned for trickling filter media and no sizes and type are mentioned in the tender documents as this is very important parameter which could affect the plant's performance and cost.	Existing Appendix-C to Bid (BC-1) is replaced with Revised Appendix C to Bid (BC-1R)
11	Stone as the media for Tricking Filter Systems is not effective as it is subject to clogging within a short time as it may have been observed in many other similar treatment plants. All Tricking Filter STPs with stone media is being replaced with modern High Rate Tricking Filter Systems. Kindly Allow alternate Proposals	Specific requirements of trickling filter media is available at Annexure-B.  Refer IB 16 of Bidding Data, bidders will only quote for the tender design. However, Value Engineering from the successful bidder may be considered under the Contract, after the award of works.

**NADEEM AHMED**  
Executive Engineer  
(E&M-MSTP-II) S-III  
K.W & S.B

**Subject: Contract Package TP-1: Upgradation and Expansion of Sewage Treatment Plant  
at Haroonabad, SITE - Karachi**

**Reply of Queries raised at Pre-Bid Meeting held on 24th February, 2014**

S.No	Queries	Replies
15	Kindly refer to Section 20 A- Schedule of Plant Volume III-C: Is there any restriction of country of origin/ original manufacturer of Plant equipment/ Kindly clarify.	Country of Origin is restricted to region / countries as written in Section 20 A - Schedule of Plant
16	Kindly confirm if secured advance is allowed against imported plant and machinery and terms of payment.	Secured Advance against imported plant and machinery, will be considered upon its arrival at site.
17	The tender ad for the project states that 12 months operation and maintenance is also required alongwith construction works but no BOQ is provided for the Operation and maintenance works. Please provide the BOQ for O&M Works.	A new Bill Nr.7 for Operation and Maintenance along with its preamble is attached at Annexure-C.
18	Kindly specify the quality of treated water required.	The average of the grab sample characteristics of the treated effluents for any three consecutive days shall be as follows: Biochemical Oxygen Demand (BOD) < 80 mg/l Total Suspended Solid (TSS) < 100 mg/l
19	Please provide the payment terms or specify that the Contractor is independent in proposing any payment terms.	Refer Clause 14 of Conditions of Contract
20	Kindly provide complete name of the companies (clearly mentioning whether participating singly or in joint ventures) who have received tender documents from KW&SB for this project.	This information could not be disclosed to the bidders.
21	Why double girder gantry crane is required at Waste Water Pumping Station (10 Ton) and Power House (15 Ton)?	Follow the design and specifications.
22	Hydraulic Modeling for two (2) waste water pumping stations --- what is the required efficiency?	Refer Specification # 20.23 "Hydraulic Modeling of Waste Water Pumping Station"
23	Ventilation System --- air change in normal & emergency conditions	Refer Schedule of Plant Section 20 A of Specifications
24	Bio-gas flaring flow rate?	0.25 cubic meter per second.
25	Digester Mixing System, % of solids?	3-5%

  
**NADEEM AKHTAR**  
 Executive Engineer  
 (E&M) (S-III) (S-4)  
 K-17 & 3-13

**Subject: Contract Package TP-1: Upgradation and Expansion of Sewage Treatment Plant  
at Haroonabad, SITE - Karachi**


**Reply of Queries raised at Pre-Bid Meeting held on 24th February, 2014**

S.No	Queries	Replies
26	uPVC valve for Sludge Drying bed DN150 - 134 Numbers. BOQ Page # 21/24 (Cast Iron Flange) Schedule of Plant : 11 of 14, Body: uPVC, Disc: uPVC (DeZURIK, KITZ, ABK, SISTAG) Specification shown only Gate and Check Valves.	Refer Schedule of Plant Section 20 A of Specifications in conjunction with revised tender drawings.
27	For, Primary Sludge Pumping Station, Humus Sludge Pumping Room, Thickened Sludge Pumping Room & Digester Sludge Pumping Room, Gate valves written in BOQ while Butterfly shown in respective drawings.	Follow BOQ, gate valves for all pumping stations.
28	Discrepancy in numbers of sluice gates in BOQ and Schedule of Plant.	Follow BOQ

**NOTE:**

*These replies to queries raised during pre-bid meeting along with its all annexures shall form an integral part of the Tender Documents and shall be signed, stamped and submitted with the Bid by the bidder along with Tender Documents.*



  
**NADEEM AHMED**,  
 Executive Engineer  
 (E&M-MSTP-III) S-III  
 K.W & S.B

**PRICE ADJUSTMENT UNDER CLAUSE 13.8  
OF CONDITIONS OF CONTRACT**

The source of indices and the weightages or coefficients for use in the adjustment formula under Clause 13.8 shall be as follows:

(Filled by the Procuring Agency)


Cost Element	Description	Weightages	Applicable Index
1	2	3	4
(i)	Fixed Portion	0.40	
(ii)	Local Labour	0.20	Government of Pakistan (GP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(iii)	Cement – in bags	0.05	
(iv)	Reinforcing Steel	0.10	
(v)	High Speed Diesel (HSD)	0.05	
(vi)	International Procurement	0.20	USD (\$) Selling rate against Pak Rupee issued by the State Bank of Pakistan
	<b>Total</b>	<b>1.000</b>	

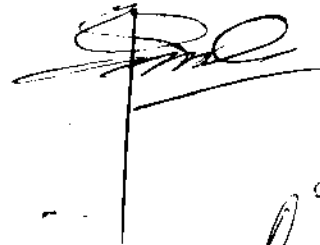

**Notes:**

- 1) Indices for "(ii)" to "(v)" are taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin. The base cost indices or prices shall be those applying 15 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.
- 2) Index for (vi) is to be taken from selling rate for US \$ against Pak Rupee issued by the State Bank of Pakistan. The applicable base index is the one prevailing 15 days prior to the latest day for submission of bids. Applicable current index is the one prevailing 28 days prior to the last day of the billing period.
- 3) Any fluctuation in the indices or prices of materials other than those given above shall not be subject to adjustment of the Contract Price.

**NADEEM AHMED**  
Executive Engineer  
(E&M-TP-III) S-III  
K.W & S.B

# Annexure - "B"

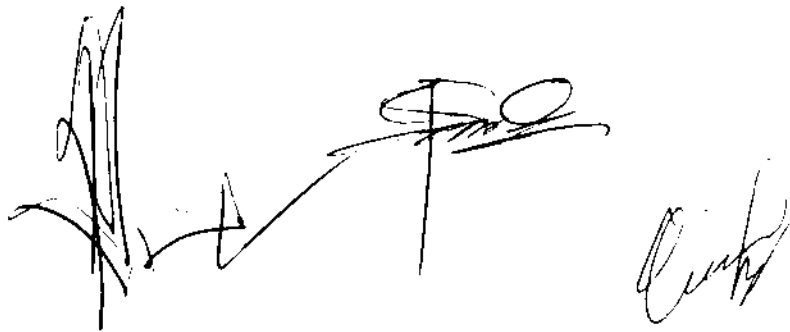
  
**NADEEM AHMED**  
Executive Engineer  
(E&M-MSTP-III) S-III  
K.W & S.B



Specific Requirement of Trickling Filter Media (Section 20.24)

Filter Material	Nominal Size, mm	Unit Wt., kg/m <sup>3</sup>	Specific surface area, m <sup>2</sup> /m <sup>3</sup>	Void space, %	Application
Rounded River Rock	100 - 130	800 - 1000	45	60	C,CN,N

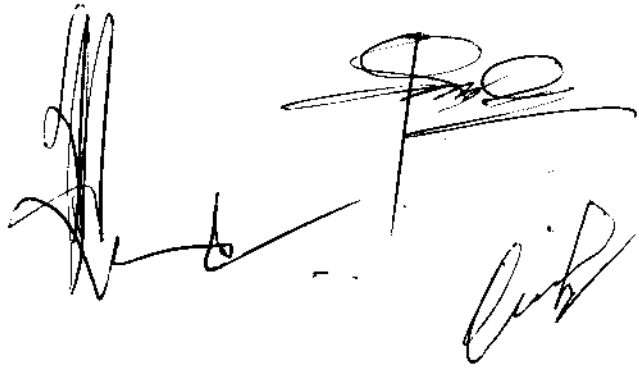
**NADEEM AHMED**  
Executive Engineer  
(E&M-MSTP-III) S-III  
K.W & S.B

The image shows several handwritten signatures and initials in black ink. On the left, there is a large, stylized signature. In the center, there is a signature that appears to be 'SO' with a horizontal line extending to the left. To the right of this, there is another signature that looks like 'Cinty'.



# Annexure - "C"

NADEEM AHMED  
Executive Engineer  
(E&M-MSTP-III) S-III  
K.W & S.B

Three handwritten signatures in black ink are present. The first signature on the left is tall and narrow with many loops. The second signature in the middle is shorter and wider with a horizontal line. The third signature on the right is a cursive-style signature.

**PREAMBLE TO OPERATION AND MAINTENANCE (BILL No.7)**

*In these Operation and Maintenance Requirements, terms "Works" and "STP" (meaning Sewage Treatment Plant TP-I, Karachi) are synonymous.*

**1. OPERATION OF THE WORKS**

The Contractor shall operate the Works in a proper, effective and careful manner, in accordance with the recognized good professional practices.

The Contractor shall maintain the Plant and the portions of the Works, which are on the standby mode, in a manner that they remain protected and functional.

The Contractor shall operate the Works on a continuous 24 hours per day, 7 days per week basis, such that:

- a) all the wastewaters received shall pass through the Works for treatment, exceeding the Design Peak-Hour Wastewater Flow of 25,575 m<sup>3</sup>/h, flow shall be bypassed through an overflow pipe, provided at an upstream point in the sewerage network; and
- b) the average of the grab sample characteristics of the treated effluents at the outlet of the Works, prior to their disposal, of any three consecutive days, during the Operation Service Period, shall be within the following limits:

Biochemical Oxygen Demand (BOD)	Less than 80 (mg/l)
Total Suspended Solids (TSS)	Less than 100 (mg/l)

for the daily influent wastewater pollution loads to Works within the following design values:

Biochemical Oxygen Demand (BOD)	200 - 300 (mg/l)
Total Suspended Solids (TSS)	150 - 300 (mg/l)

The Contractor shall ensure by his own means and guarantee that the treated effluent in every respect shall be in accordance with the Contract. The composition of the influent wastewater, in terms of its constituents and their variations, of whatsoever nature, shall not prevent him from achieving the desired performance results.

The operation of the Works shall include, but may not be limited to, the following functions and activities:

- a) Operation of the Plant and the Equipment
- b) Dosing of process control chemicals, if required
- c) All the process and Plant control measures and activities
- d) All the process and Plant related troubleshooting
- e) Collection, handling and conveyance of the solid and semi-solid wastes and residues generated by the operation of the Works, within the Site of Works

(Contract Package - TP-I): 1 of 7

**NADEEM AHMED**  
Executive Engineer  
(E&M-MSTP-III) S-III  
K.W & S.B

- b) Corrective Maintenance of the Plant and the Equipment including, but may not be limited to, non-routine repair of parts or replacement with like-kind parts, consequent to a failure, or in order to avert a potential failure identified by the Predictive Maintenance Investigations or otherwise, during the normal useful life of the equipment
- c) Preventive Maintenance of the Plant and the Equipment including, but may not be limited to, the routine lubrication, oil replacement and replacement of parts like belts, oil and air filters etc. and other tasks, which occur on a scheduled frequency as recommended by the equipment manufacturer or as established by the practice of the trade
- d) Routine Maintenance of the Works including, but may not be limited to, the following:
  - Upkeep of the landscaping works including irrigation of the green areas and plants, plant trimmings etc, on the Site of Works
  - Upkeep of the grounds of Site of the Works
  - Maintenance and upkeep, including all repair and replacement works, of the Works including buildings, sanitary structures, roads, walkways, vehicle parking areas, entrance gates, boundary walls, piping works, storm water drainage works, water supply works, sewerage works, external illumination works and external & Plant electrification works, in order to maintain their original form, finish, structural & mechanical integrity and functional efficacy, excepting the normal wear and tear
  - Carrying out inspection and taking remedial measures to control corrosion of the metal works
  - Routine maintenance and upkeep of the buildings, forming part of the Works, including, but may not be limited to, all repair and replacement works, for plumbing fittings & fixtures, electrical fittings & fixtures, air conditioners, land-line telecommunication system, furniture and furnishings
  - Maintaining general cleanliness and appearance of the Works, at all the times
  - Regular cleaning of all the accessible surfaces of the sanitary structures, weirs, notches, gratings and like, in order not to allow accumulation and solidification of the undesirable materials adhering to them
  - Internal cleaning/scouring of pipelines, valves, inspection chambers and manholes in order to remove obstructions and clogging
  - Regular cleaning of all the sensors and probes of instruments like flow meters, level controllers etc
  - Manual removal of the floating substances and scum, from the sanitary structures, not provided with scum removal devices
  - Regular sweeping, cleaning, mopping and/or washing of building floors, road and other pavements, walkways, platforms, etc

### 3.2 Maintenance Program

The Contractor shall carry out maintenance of the Works, in accordance with the Maintenance Program, prepared and submitted by the Contractor and agreed upon by the Employer Representative.

The Contractor shall submit the Maintenance Program to the Employer Representative prior to the commencement of the Operation Service.

The Maintenance Program shall lay down the maintenance schedules, methods and procedures, which shall in general be in accordance with recognized standards and

(Contract Package - TP-1) 4 of 7

**NADEEM AHMED**  
Executive Engineer  
(E&M-MSTP-III) S-III  
K.W & S.B

practices and equipment manufacturers' instructions.

**3.3 Maintenance Records**

The Contractor shall maintain detailed records and reports of the major maintenance activities performed.

These maintenance records shall contain information on the nature of each major maintenance activity, its date, the time spent, the Materials used and any other information reasonably required by the Employer' Representative.

The Contractor shall submit these maintenance records and reports to the Employer' Representative, as part of the Monthly Performance Reports.

**4. MONTHLY PERFORMANCE REPORTS**

The Contractor shall, at his cost, prepare and submit to the Employer' Representative, a Monthly Performance Report on the operation and maintenance of the Works, in form and format approved by the Employer' Representative, for each month, not later than 10<sup>TH</sup> day of the next month.

Each Monthly Performance Reports shall contain, but may not be limited, to the following data and information, for the respective month:

- a) Record of operational changes and adjustment, if any
- b) Performance data, in accordance with Section 2
- c) Maintenance records, in accordance with Section 3.3
- d) Data on the process and Plant related troubleshooting, if any
- e) Data on operating process parameters
- f) All the relevant laboratory test results
- g) Data on Equipment utilization
- h) Data on Materials and their consumption
- i) Data on manpower utilization
- j) All the relevant accounting and financial data, as required by the Employer' Representative

**5. WORKS**

Works, including Plant, for the provision of the Operation and Maintenance Service, shall include the Works executed and completed, by the Contractor, and the following works, whether or not forming the part of the Works executed and completed, by the Contractor:

- a) Air conditioners in the buildings, to the extent deemed necessary by the Employer' Representative
- b) Land-line telecommunication system comprising telephone exchanges, wiring and telephone sets, in the buildings, to the extent deemed necessary by the Employer' Representative
- c) Furniture and furnishings, in the buildings, to the extent deemed necessary by the Employer' Representative, for the operation and maintenance of the Works and for the use of Contractor's and Employer's Personnel, to be housed in these buildings
- d) All the laboratory equipment, instruments, glassware and accessories for the following tests of wastewater and sludge samples:

- e) All the materials including replacement items and spares for the Predictive Maintenance Investigations and Routine, Preventive and Corrective maintenance of the Works including Plant and Equipment including vehicles
- f) The Contractor should include a list of spares and frequency of parts replacement as per the recommendations of the manufacturers. Spares should be provided for minimum twelve (12) months period of operation and maintenance.

All the Materials shall be subject to the approval of the Employer' Representative.

**8. TRAINING OF EMPLOYER'S PERSONNEL**

During the Operation Service Period, the Contractor shall, at his cost, carry out training of such reasonable number of Employer's Personnel in different disciplines and trades, as designated by the Employer' Representative, in the operation and maintenance of the Works. The training shall comprise both on-job as well as instructional training.

The program and scheduling of the instructional training shall be agreed with the Employer' Representative and the Contractor shall provide experienced training staff, and all training materials, for this purpose.

**Contract Package TP-I: Upgradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE - Karachi**

**Bill No.7 (Operation and Maintenance)**

Operation Service for the Works (for specified Operation Service period)

S. No #	Item Description	Unit	Quantity	Unit Rate (Rupees)	Amount (Rupees)
1.	Providing Operation and Maintenance Services for the Works, for specified Operation Service period of 365 days, complete in all respects, in accordance with the Contract, including charges of electricity and other utilities.	Months	12		
<b>Total Carried to Summary</b>					

**NADEEM AHMED**  
Executive Engineer  
(E&M-MSTP-III) S-III  
K.W & S.B

**CONTRACT PACKAGE TP-I: UPGRADATION AND EXPANSION OF SEWAGE  
TREATMENT PLANT AT HAROONABAD, SITE - KARACHI**

**CONTRACT PACKAGE TP-I  
BILL OF QUANTITIES  
SUMMARY**

BILL NR	TITLE	AMOUNT
1	CIVIL WORKS	
2	CIVIL RESTORATION WORKS	
3	ELECTRICAL WORKS	
4	MECHANICAL WORKS	
5	GENERAL WORKS	
6	DAY WORKS	
7	OPERATION AND MAINTENANCE	
TOTAL 1 TO 7		
5% PHYSICAL CONTINGENCIES FOR VARIATION/ EXTRA WORK INSTRUCTED BY THE ENGINEER.		
GRAND TOTAL		

Amount in Words :

Total Carried to Letter of Price Bid :



SIGNATURE OF CONTRACTOR

SEAL

**NADEEM AHMED**  
Executive Engineer  
(E&M-MSTP-III) S-III  
K.W & S.B

**KARACHI WATER AND SEWERAGE BOARD**  
**CONTRACT PACKAGE TP - I: UPGRADEATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE-KARACHI**  
**BILL OF QUANTITIES (CIVIL WORKS)**

Item No.	Description	Unit	Quantity	Rate	Amount
6	08.3.1 Providing and laying PVC water stop (with minimum thickness of 6 mm), in reinforced cement concrete elements, including wastage and welding, Centrally Placed -250 mm wide	Rm	122.60		
7	10.2 Providing and applying 2 coats of hot bitumen (SIB:10/20) @ 1 kg per sq.m, in each coat, to the concrete surfaces in contact with the earth	sq.m	467.50		
8	11.3 Providing and applying 3 layers of chemical resistant coating (Concite Seal or approved equal), on all surfaces exposed to wastewater.	sq.m	537.72		
9	12.2 Providing and installing galvanized iron (GI) pipe (III Medium weight or approved equal) railings, including pipe rail, balustrades, bases and all fixing materials, complete in all respects, as per Drawings, of following type: G. I. Pipe Safety/Stair Railing	Rm	194.00		
10	12.1 Providing, fabricating and installing mild steel (MS) grating, including MS angle frame and removable grating, fixing and anchoring materials, and sand blasting and approved epoxy coating, of all exposed metal surfaces, complete in all respects, as per Drawings	Sq.M.	2.00		
<b>Sub Total of Fine Screen Chamber</b>					
<b>Total Carried to the Summary of Civil Works</b>					

**NADEEM AHMED**  
 Executive Engineer  
 (E&M-MSTP-II) S-III  
 K.W & S.B

SIGNATURE OF CONTRACTOR

SEAL

CONTRACT PACKAGE TP -I: UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE-KARACHI

BILL OF QUANTITIES (CIVIL WORKS)

Trickling Filters	UNQ	QTY	UNIT	AMOUNT
6	08.2.1	1,475.00	Ton	
7	08.3.1	16,616.88	sq.m	
8	08.3.1			
8.1				
9	10.2	4,018.56	Rm	
10	0	3,476.76		
11	12.2	33,233.76	cu. m	
11.1		240.00	Rm	
<b>Sub Total of Trickling Filter</b>				
<b>Total Carried to the Summary of Civil Works</b>				

*(Handwritten signatures and initials)*

**NADEEM AHMED**  
Executive Engineer  
(E&M-MSTP-III) S-III  
K.W & S.B

SIGNATURE OF CONTRACTOR

SEAL



KARACHI WATER AND SEWERAGE BOARD

CONTRACT PACKAGE TP - I: UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE-KARACHI  
 BILL OF QUANTITIES (CIVIL WORKS)

Sl. No.	Description	UNIT	QTY	UNIT RATE	AMOUNT
1	<b>Trickling Filters Collection Network</b>				
04.2	Excavation from Graded Level or as shown on Drawing for base foundation and walls etc. in all types of strata, back-filling the excavated material in foundation, wall or under floors, including breaking clods, watering, consolidation by ramming by mechanical methods in layer not exceeding 150 mm depth to full compaction, dressing and disposal of surplus excavated stuff as directed and all as shown in the Drawing, etc. Providing and fixing close timbering in foundation trenches, walls etc. Including strutting and shoring etc. and removal of timbering for any depth and pumping out of subsoil water encountered during excavation, all stages complete.	cu.m			
1.1	-upto 2.0 meters				
	-more than 2.0 meters upto 4.0 meters				
2	08.1.1 Providing and laying fair finished reinforced cement concrete, Class B, (using Sulfate Resisting Portland Cement), with approved quantity of plastisizer (Camtec 31R or approved equal), including compaction, curing and formwork, but excluding cost of reinforcing steel, in following RCC elements:	cu.m	337.19		
2.1	In footings and slabs on grade	cu.m	8.17		
2.2	In walls and parapets				
3	08.1.1 Providing and laying plain cement concrete, Class E, (using Sulfate resisting cement, clean sand and crush) in foundations and under base slabs, including leveling, compaction, curing and formwork	cu.m	33.72		
4	08.2.1 Providing, cutting, bending, fabricating, binding, hoisting and placing in position, reinforcing steel bars, at any height, including binding wire (18 gauge), spacer blocks, chairs, bolster bars, pins, spacer bars, unspecified laps & splices and wastage, complete in all respect, conforming to ASTM A615 (Grade 60).	cu.m	95.42		
5	08.1.1 Providing and laying Precast RCC Cover slab for trickling filter collection network including fair finished reinforced cement concrete Class B (using sulphate resisting Portland Cement), compaction, curing, formwork and reinforcement steel, complete in all respect as per drawing	sq.m	16.86		
6	08.3.1 Providing and laying PVC water stop (with minimum thickness of 6 mm), in reinforced cement concrete elements, including wastage and welding, complete in all respect, of following widths: Centrally Placed - 250 mm wide	Ton	14.21		
7	10.2 Providing and applying 2 coats of hot bitumen (SIB:10/20) @ 1 kg per sq.m, each coat, to the concrete surfaces in contact with the earth	Rm	232.70		
8	11.3 Providing and applying 3 layers of chemical resistant coating (Contile Seal or approved equal) on all surfaces exposed to wastewater.	sq.m	291.20		
		sq.m	645.70		
Sub Total of Trickling Filter Collection Network					
Total Carried to the Summary of Civil Works					

NADEEM AHMED  
 Executive Engineer  
 (E&M-MSTP-III) S-III  
 K.W & S.B

SIGNATURE OF CONTRACTOR



SEAL

CONTRACT PACKAGE TP - I: UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE-KARACHI  
 BILL OF QUANTITIES (CIVIL WORKS)

Sl. No.	Description	UNIT	QTY	UNIT RATE	AMOUNT
6	11.1.3 Providing and laying plastering, on wall and column surfaces, in 1:4 cement-sand mortar, in a thickness of 13 mm on more neat of the two surfaces and a thickness 19 mm, on the other surface, including curing	sq.m	237.60		
6.1	11.1.3 Providing and applying, vinyl emulsion paint (ICI or approved equal), of approved shade, on plastered and concrete surfaces, including preparation of smooth base	sq.m	565.20		
7	11.2.5 Providing and laying glazed ceramic tiles flooring, over structural slabs, including 300mm x 300mm tiles (Emco Class A or approved equal), of approved color and plain cement concrete, Class C	sq.m	196.55		
8	11.2.5 Providing and laying glazed ceramic tiles skirting on Walls, including 300mm x 300mm tiles (Emco Class A or approved equal), of approved color and plain cement concrete, Class C	sq.m	116.50		
8.3	12.2 Providing and installing steel doors, including door leaves, external frame, and enamel painting (ICI or approved equal), of approved shade, of exposed surfaces of door, complete in all respects, as per Drawings	sq.m	3.00		
9	11.2.6 Providing and installing fixed glazing including external steel frame, with plane glass, glazing beads, all standard hardware, enamel painting (ICI or approved equal), of approved shade, of all exposed metal surfaces of steel, complete in all respects, as per Drawings	Sq.m	24.30		
10	21.1 Supply of all material and fabrication of FRP Hatch Cover over openings in roof slab as per Drawings and instruction of Engineer, including supply of all material, labor T&P etc., required for proper completion of work in all respects complete.	sq.m	13.50		
10.1	12.2 Providing and installing galvanized iron (GI) pipe (IL Medium weight or approved equal) railings, including pipe rail, balustrades, bases and all fixing materials, complete in all respects, as per Drawings, of following type: G. I. Pipe Safety/Stair Railing	Rm	36.00		
				Sub Total of Humus Sludge Pumping Room	
				Total Carried to the Summary of Civil Works	

*(Handwritten signatures)*

NADEEM AHMED  
 Executive Engineer  
 (E&M-MSTP-III) S-III  
 K.W & S.B

SIGNATURE OF CONTRACTOR

SEAL

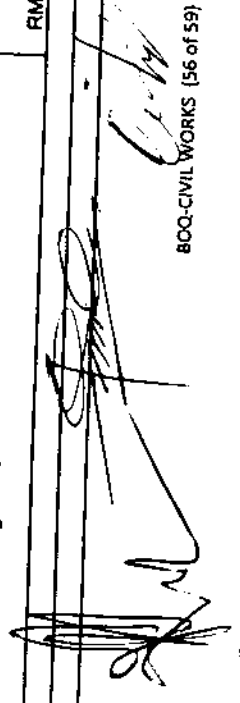
CONTRACT PACKAGE TP - I: UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE-KARACHI

BILL OF QUANTITIES (CIVIL WORKS)

Road Works	Description	Unit	Quantity	Rate	Amount
1	04.2 Earth work excavation upto required level in ordinary soil and using the excavated earth in embankment including all lead and lift, dressing, levelling of earth to design section and location, compaction by sheep foot roller and power roller with optimum moisture content to achieve minimum 95-100% of modified A.S.H.O dry density complete as per instructions of Engineer-in-charge.	CU.M	12,713.25		
2	5.2 -upto 2.0 meters Providing, laying and spreading graded granular sub base course material upto thickness any in sub base course in required grade and camber and compacted to the required density by approved mechanical means (vibratory roller, road packer and smooth wheel rollers, etc) as per design and specification including watering, with all lead and lift etc complete in all respect.	CU. M	5778.75		
3	5.2 Providing, laying and spreading graded aggregate base course material upto any thickness in base course in required grade and camber and compacted to the required density by approved mechanical means (vibratory roller, road packer and smooth wheel rollers, etc) as per design and specification including watering, with all lead and lift etc complete in all respect.	CU. M	6934.50		
4	5.4 Laying to proper line and grade plant mixed Asphalt concrete paver finished (Hydraulic/Electronic control) prepared to specified job mix formula approved by engineer incharge including rolling, finishing to proper line, grade level and camber etc. complete. Rate includes tack coat with bitumen 80/100 penetration and all cost of material roller, T & P and cartage of material from source of supply to plant and plant to site of work.	SQ.M	23115.00		
5	5.5 Providing & fixing in proper position pre cast cement kerb block industrial make crushing strength 3750 psi with a mix not leaner than 1:1 1/2:3(1 cement, 1 1/2 sand, 3 stone crush) using SR cement, size 18" deep, 12" wide at top and 6" wide at bottom of approved shape & section, dry mix, hydrocally compressed, steam cured. Laying & jointing with 3/4" thick cement sand mortar (1:3), deep ruled pointing on front and top and flush pointing on back side i/e curling etc complete as per the direction of the Engineer.	RM	9246.00		
			<b>Total Carried to the Summary of Civil Works</b>		
			<b>Sub Total of Road Works</b>		

NADEEM AHMED  
Executive Engineer  
(E&M-MSTP-III) S-III  
K.W & S.B

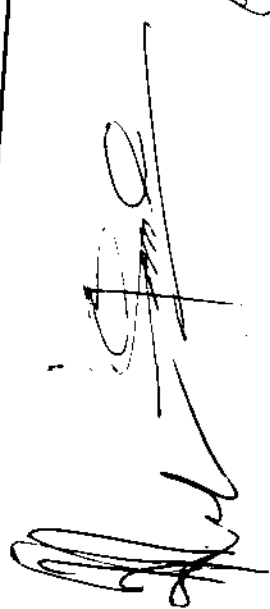
SIGNATURE OF CONTRACTOR



SEAL


**KARACHI WATER AND SEWERAGE BOARD**  
**CONTRACT PACKAGE TP - I: UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE-KARACHI**  
**BILL OF QUANTITIES (MECHANICAL WORKS)**

Sl. No.	Ref. Spec. No.	Item Description	Unit	Quantity	Unit Price (Rs)	Total (Rs)
6	20.22	Providing, installing and testing Flanged Adaptor including gasket, steel (nuts, bolts & washers), and other accessories, complete in all respects, in accordance with the contract documents/ or as directed by Engineer, of size: DN 150	No	48		
7	20A	Providing, installing, testing & commissioning Level Control Switches, for wastewater pumping Pit, including all jointing and anchoring material complete in all respects, in accordance with the contract documents.	No	12		
8	12.2	Providing and installing mild steel (MS) sections supports and hangers for pipes, including all jointing and anchoring materials, steel (nuts, bolts & washers), enamel painting and other accessories, complete in all respects, in accordance with the contract documents.	kg	1200		
<b>Sub total of Humus Sludge Pumping Room</b>						
<b>Total Carried to Summary</b>						

  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE OF CONTRACTOR

SEAL

  
**NADEEM AHMED**  
 Executive Engineer  
 (E&M-MSTP-II) S-III  
 K.W & S.B

# NOTE SHEET

(1)

Paras

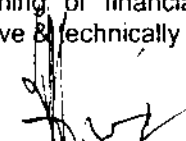
Reference

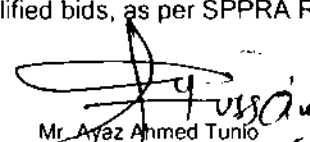
SUB: TECHNICAL EVALUATION REPORT FOR CONTRACT PACKAGE "UP-GRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE KARACHI UNDER S-III PROJECT."


The Procurement Committee having carried out the critical analysis, check & pre-requisites for evaluation and In consideration of all aspects related to the technical proposal. After due deliberation and consensus recommends that the following two (02) bidders, qualify for the stage-II of bidding process wherein financial proposal will be opened. They are as under:-

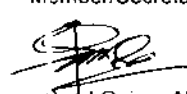
Sr. No	Applicant
1	M/s Pak Oasis Industries (Pvt) Ltd.
2	M/s Saadullah Khan & Bros.

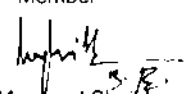
No bidder found non responsive who have been rejected on the ground of their technical proposal and returned their financial bid unopened. Therefore conduct the opening of financial proposal of both bidders submitted substantially responsive & technically qualified bids, as per SPPRA Rules 2010.

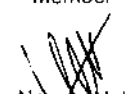
  
Mr. Mukhtiar Ali Samito  
EE (S-III)  
Member/Secretary


  
Mr. Ayaz Ahmed Tunio  
DPM S-III  
Member

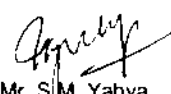
  
Mr. Sardar Ali Shah  
PM S-III  
Member

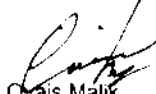
  
Syed Qaiser Ali  
SE (E&M) KW&SB  
Member

  
Mr. Maqsood Shaikh  
Executive Engineer, KMC  
Member

  
Mr. Naveed Jabbar  
Accounts Officer (S-III)  
Member

  
Mr. Faheem A. Junejo  
Representative L.G (GOS)  
Member

  
Mr. S.M. Yahya  
Rep. Environmental  
Deptt. GOS  
Member

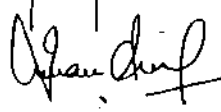
  
Mr. Ovais Malik  
C.E. (Zone-W)  
Convener

Encl: Technical Evaluation Report

Project Director (S-III), KW&SB.

Approved.

As proposed.

  
Project Director  
(S-III)





**OFFICE OF THE CHIEF ENGINEER (WEST), KW&SB**  
**Old KBC Building Behind Civic Centre Gulshan-e-Iqbal Karachi**

No. KW&SB/Zone-WEST/S-III/2014/283

Dated 23<sup>rd</sup> May 2014

To:

1. M/s. Pak Oasis Industries (Pvt) Ltd
2. M/s. Saadullah Khan and Brothers

**Reference: Bids for Provision of "Upgradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi.**

**Subject: Evaluation of Technical Proposals**

The subject bids were submitted under single-stage – two envelop procedure.

The Technical Proposals of the two received bids were opened by the Evaluation Committee appointed by the Competent Authority of Karachi Water and Sewerage Board vide their notification No. KW&SB/D.M.D/HRD&A/35 on 04/02/2014, in presence of the representatives of the bidders.

The evaluation of the Technical proposals of the two bids was carried out by the Evaluation Committee in accordance with the Evaluation Criteria and other terms and condition set forth in the bidding documents with the following results. The detailed Evaluation Report comprising of Technical and Financial evaluations will be posted on the SPPRA website, in due course of time.

- (i) **Technical Proposal of M/s. Pak Oasis Industries (Pvt) Ltd.**  
The proposal was found technically responsive and on evaluation was awarded 338 marks out of total 400 marks and was considered technically qualified to meet the requirements of the bid.
- (ii) **Technical Proposal of M/s. Saadullah Khan and Brothers**  
The proposal was found technically responsive and on evaluation was awarded 316 marks out of total 400 marks and was considered technically qualified to meet the requirements of the bid.

Therefore, in accordance with the Sindh Public Procurement Authority, Rules 2010, the Evaluation Committee is please to invite both technically qualified bidders to attend the Financial opening of subject contract.



The venue, date and time of Financial Opening of technically qualified bids is given below:

**Date:** May 27, 2014  
**Day:** Monday  
**Time:** 11:00 A.M  
**Venue:** Committee Room of S-III Project Secretariat  
Karachi Water and Sewerage Board  
First Floor, Block-D, 9th Mile Office,  
Shahrah-e-Faisal, Karsaz, Karachi.  
**Phone No.:** 021-99240828

  
**CHIEF ENGINEER (WEST)**  
Convener (Procurement Committee)  
Karachi Water and Sewerage Board

cc to:

1. The Managing Director (KW&SB).
2. The Project Director (S-III Project) KW&SB
3. Secretary (Procurement Committee), KW&SB
4. Members (Procurement Committee) {with the request to attend the Financial Bid Opening}







**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Pak Oasis Industries (Pvt.) Ltd.)**

**1.5.1 Qualification of Firm**

**Total 100 Points**

DESCRIPTION		Weightage Points	Project Executed	Weightage Points Obtained
a.	(I) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 2000 Million.	25		
	(I) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 3000 Million.	30		
	(III) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 4000 Million.	35		35
		<b>Weightage Points</b>		<b>Weightage Points Obtained</b>
b.	Mandatory in House Design facility or Association with reputable Design House (The firm or his associates should have capacity to deal with technical aspects and have sufficient knowledge of Sewage Treatment Process).	30	-	20
		<b>Weightage Points</b>		<b>Weightage Points Obtained</b>
c.	Understanding of the Project along with the Methodology of its implementation.	35	-	30
<b>Total Qualification Score (a+b+c)</b>				<b>85</b>

**1.5.2 Key Personnel**

**Total Points 100**

Sr. No.	Position	Weightage Points		Weightage Points Obtained	
		Qualifications	Experience	Qualifications	Experience
1	Project Manager	3	12	3	12
2	Site Engineer ( 2 Nos) Civil	4	8	3.6	8
3	HSE Specialist	2	7	1.8	5.6
4	Structural Engineer	1	7	1	7
5	Material Engineer	3	7	0	7
6	Mechanical Engineer	5	8	5	8
7	Treatment Process Engineer	3	7	3	7
8	Instrumentation Engineer	4	7	3.6	7
9	Electrical Engineer	5	7	4.5	7
<b>Total Weightage Points</b>		<b>30</b>	<b>70</b>	<b>25.4</b>	<b>68.6</b>

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**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Pak Oasis Industries (Pvt.) Ltd.)**

		Weightage Points	Weightage Points Obtained
1.	<b>Qualification</b>		
	i. BE/BSC/BS Engg + Masters	100%	30
ii BE/BSC/BS Engg	90 %	25.5	
2.	<b>Experience For Project Manager Only</b>		
	i. 20 years & above	100 %	12
	ii 15-20 years	90 %	
	iii 10-15 years	80%	
3.	<b>Experience For</b>		
	1. Site Engineer 2Nos. (2 x4)		58
	2. HSE Specialist		8
	3. Structural Engineer		7
	4. Material Engineer		7
	5. Mechanical Engineer		7
	6. Treatment Process Engineer		8
	7. Instrumentation Engineer		7
	8. Electrical Engineer		7
	i. Above 10 years	100 %	56.6
ii. 9 to 10 years	90 %		
iii 8 to 9 years	80 %		

**1.5.3 Key Equipments**

**Total Points 100**

Sr. No	Equipment Type & Characteristics	Minimum Number Required	Points on Ownership	Points on Hiring	Weightage Points Obtained
1	Excavators/Rock Breakers	2	6	4	4
2	Wheel Loader	2	8	6	6
3	Grit/Sand BLASTING Equipment	2sets	8	6	6
4	Arc Welding Plant	2sets	8	6	6
5	Transit Concrete Mixer	2	8	6	6
6	Mobile Crane 20 Tons	2	8	6	6
7	Concrete Batching Plant 100 m <sup>3</sup> /day with backup Generators for Plant	1	12	8	8
8	Dewatering Pumps 4" & 6" Dia Suction	10	10	7	7
9	Diesiel Generators 100 to 500 KVA	4	12	7	7
10	Concrete Pumps	1	10	7	7
11	Dumpers	4	10	7	7
<b>Total Weightage Points</b>			<b>100</b>	<b>70</b>	<b>70</b>

*The Applicants must provide the list of:*

- Note:**
- (a) Equipment owned by the applicant along with the ownership Documents. If the ownership documents are not provided the equipment shall be considered as hired rental
  - (b) Equipment to be Hired by the Applicant

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**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Pak Oasis Industries (Pvt.) Ltd.)**

**1.5.4 Financial**

**Total Weightage Points 100**

1	Average Annual Income (Net Profit) for the last 3 Years	Weightage Point	20	Weightage Points Obtained
a.	Rs 50 million to < 100 million	14		-
b.	Rs 100 million to < 150 million	17		17
c.	Rs 150 million to < 200 million	20		-

**Note: To be determined from the Auditor's Balance Sheet**

2	Year	Average Annual Turn Over (Equivalent in Pak Rs.)	Weightage Point	50	Weightage Points Obtained
a.	1. Fiscal Year 2010 to 2013	Rs.3000 million to < 4000 million	35		-
b.	2. Fiscal Year 2010 to 2013	Rs.4000 million to < 5000 million	42		42
c.	3. Fiscal Year 2010 to 2013	Rs.5000 million and above	50		-

3	Minimum Cash flow Requirement	Weightage Point	30	Weightage Points Obtained
a.	Rs 500 million to < 800 million	21		-
b.	Rs 800 million to < 1000 million	25		-
c.	Rs 1000 million & above	30		30

**Note:**

Minimum Cash Flow = (10 x working capital) - (30% of current commitments) + credit line  
 { Working capital = Current assets minus Current Liabilities }

- The Applicant must Submitted the unconditional Bank Letter on the Attached Performa P-1 Mentioning the currently available credit line of the applicant and Auditor's Balance sheets for the last 3 Years
- Minimum available Credit Line must be 500 Millions through Bank's Letter.
- Where necessary the Employer may make enquiries with the applicant's Bank or Auditors.

1.5.4.1 Average Annual Income	=	17
1.5.4.2 Average Annual Turnover	=	42
1.5.4.3 Minimum Cash Flow	=	30
<b>Total Financial score</b>		<b>89</b>

<b>RESULT</b>			
4.3.1	Qualification	=	85
4.3.2	Key Personal	=	94.1
4.3.3	Key Equipment	=	70
4.3.4	Total Financial Score	=	89
<b>TOTAL OBTAINED SCORE</b>			<b>338.1</b>
			<b>Technically Passed</b>

**Greater Karachi Sewerage Plan (S-III)  
Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi  
Technical Evaluation of Bidder  
Status of Responsiveness**

Bidder: *M/s Saadullah Khan and Brothers (Sole Bidder)*

S.No	Description	Findings	Remarks
1	Valid PEC Registration Certificate in CA Category with Specialization in CE-09, CE-10, ME-06, EE-04 & EE-05.	Available	Pass
2	Average Annual Turnover (minimum Rs.3,000/- Million)	Rs. 13,430.109 Million	Pass
3	Auditor's Balance Sheets for last 3 years.	Available	Pass
4	Litigation History on Rs 100 Stamp paper	Available	Pass

**RESULT**

RESPONSIVE

**Responsive**

NON RESPONSIVE

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**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Saadullah Khan and Brothers)**

**1.5.1 Qualification of Firm**

**Total 100 Points**

DESCRIPTION		Weightage Points	Project Executed	Weightage Points Obtained
a.	(I) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 2000 Million.	25		0
	(II) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 3000 Million.	30		
	(III) Experience in execution of mega Water / Waste Water Treatment Projects executed during last 5 years amounting to minimum Rs. 4000 Million.	35		35
		<b>Weightage Points</b>		<b>Weightage Points Obtained</b>
b.	Mandatory in House Design facility or Association with reputable Design House (The firm or his associates should have capacity to deal with technical aspects and have sufficient knowledge of Sewage Treatment Process).	30	-	15
		<b>Weightage Points</b>		<b>Weightage Points Obtained</b>
c.	Understanding of the Project along with the Methodology of its implementation.	35	-	25
<b>Total Qualification Score (a+b+c)</b>				<b>75</b>

**1.5.2 Key Personnel**

**Total Points 100**

Sr. No.	Position	Weightage Points		Weightage Points Obtained	
		Qualifications	Experience	Qualifications	Experience
1	Project Manager	3	12	2.7	12
2	Site Engineer ( 2 Nos) Civil	4	8	0	8
3	HSE Specialist	2	7	1.8	7
4	Structural Engineer	1	7	1	7
5	Material Engineer	3	7	2.7	7
6	Mechanical Engineer	5	8	4.5	8
7	Treatment Process Engineer	3	7	3	7
8	Instrumentation Engineer	4	7	0	0
9	Electrical Engineer	5	7	5	7
<b>Total Weightage Points</b>		<b>30</b>	<b>70</b>	<b>20.7</b>	<b>63</b>

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**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Saadullah Khan and Brothers)**

			Weightage Points	Weightage Points Obtained
a.	<b>Qualification</b> i. BE/BSC/BS Engg + Masters ii BE/BSC/BS Engg	100% 90 %	30	20.7
b.	<b>Experience For Project Manager Only</b> i. 20 years & above ii 15-20 years iii 10-15 years	100 % 90 % 80%	12	12
c.	<b>Experience For</b> 1. Site Engineer 2Nos. (2 x4) 2. HSE Specialist 3. Structural Engineer 4. Material Engineer 5. Mechanical Engineer 6. Treatment Process Engineer 7. Instrumentation Engineer 8. Electrical Engineer i. Above 10 years ii. 9 to 10 years iii 8 to 9 years	100 % 90 % 80 %	58 8 7 7 7 8 7 7 7	51

**1.5.3 Key Equipments**

**Total Points 100**

Sr. No	Equipment Type & Characteristics	Minimum Number Required	Points on Ownership	Points on Hiring	Weightage Points Obtained
1	Excavators/Rock Breakers	2	6	4	4
2	Wheel Loader	2	8	6	6
3	Grit/Sand BLASTING Equipment	2sets	8	6	3
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6	Mobile Crane 20 Tons	2	8	6	3
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8	Dewatering Pumps 4" & 6" Dia Suction	10	10	7	7
9	Deiesel Generators 100 to 500 KVA	4	12	7	3.5
10	Concrete Pumps	1	10	7	7
11	Dumpers	4	10	7	7
<b>Total Weightage Points</b>			<b>100</b>	<b>70</b>	<b>57.5</b>

*The Applicants must provide the list of:*

Not:: (a) Equipment owned by the applicant along with the ownership Documents. If the ownership documents are not provided the equipment shall be considered as hired/rental.

(b) Equipment to be Hired by the Applicant

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**Greater Karachi Sewerage Plan (S-III)**  
**Up-gradation and Expansion of Sewage Treatment Plant at Haroonabad SITE, Karachi**  
**Detailed Technical Evaluation of Bidder (M/s Saadullah Khan and Brothers)**

**1.5.4 Financial**

**Total Weightage Points 100**

1	Average Annual Income (Net Profit) for the last 3 Years	Weightage Point	20	Weightage Points Obtained
a.	Rs.50 million to < 100 million	14		-
b.	Rs. 100 million to < 150 million	17		-
c.	Rs.150 million to < 200 million	20		20

**Note: To be determined from the Auditor's Balance Sheet**

2	Year	Average Annual Turn Over (Equivalent in Pak Rs.)	Weightage Point	50	Weightage Points Obtained
a.	1. Fiscal Year 2010 to 2013	Rs.3000 million to < 4000 million	35		-
b.	2. Fiscal Year 2010 to 2013	Rs.4000 million to < 5000 million	42		-
c.	3. Fiscal Year 2010 to 2013	Rs.5000 million and above	50		50

3	Minimum Cash flow Requirement	Weightage Point	30	Weightage Points Obtained
a.	Rs. 500 million to < 800 million	21		
b.	Rs. 800 million to < 1000 million	25		
c.	Rs. 1000 million & above	30		30

**Note:**

Minimum Cash Flow = (10 x working capital) - (30% of current commitments) + credit line  
 { Working capital = Current assets minus Current Liabilities }

- The Applicant must Submitted the unconditional Bank Letter on the Attached Performa P-1 Mentioning the currently available credit line of the applicant and Auditor's Balance sheets for the last 3 Years.
- Minimum available Credit Line must be 500 Millions through Bank's Letter.
- Where necessary the Employer may make enquiries with the applicant's Bank or Auditors.

1.5.4.1 Average Annual Income	=	20
1.5.4.2 Average Annual Turnover	=	50
1.5.4.3 Minimum Cash Flow	=	30
<b>Total Financial score</b>		<b>100</b>

<b>RESULT</b>			
4.3.1	Qualification	=	75
4.3.2	Key Personal	=	83.7
4.3.3	Key Equipment	=	57.5
4.3.4	Total Financial Score	=	100
<b>TOTAL OBTAINED SCORE</b>			<b>316.2</b>
			<b>Technically Passed</b>

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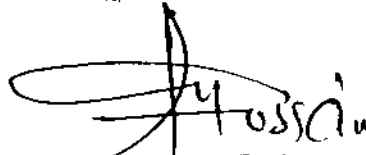
## SUMMARY AND CONCLUSION

After detailed in depth scrutiny, verification, and evaluation of submitted documents, in accordance with the criteria, the Evaluation Committee found that both participated Contractors' Firms, are qualify for the stage-II of bidding process wherein financial proposal will be opened.

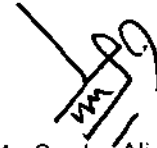
Sr. No.	Name of Firms
1	M/s Pak Oasis Industries (Pvt) Ltd.
2	M/s Saadullah Khan & Bros.



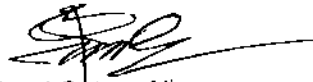
Mr. Mukhtiar Ali Samito  
EE (S-III)  
Member/Secretary



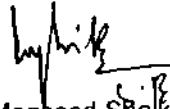
Mr. Ayaz Ahmed Tunio  
DPM S-III  
Member



Mr. Sardar Ali Shah  
PM S-III  
Member




Syed Qaiser Ali  
SE (E&M) KW&SB  
Member



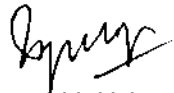
Mr. Maqsood Shaikh  
Executive Engineer, KMC  
Member



Mr. Naveed Jabbar  
Accounts Officer (S-III)  
Member



Mr. Faheem A. Junejo  
Representative L.G (GOS)  
Member



Mr. S.M. Yahya  
Rep. Environmental  
Deptt. GOS  
Member



Mr. Qvais Malik  
C.E. (Zone-W)  
Convener



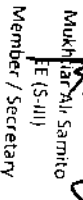


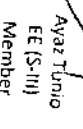
**TECHNICAL EVALUATION REPORT / QUALIFICATION ASSESSMENT**

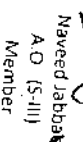
**Name of Procuring Agency:** Karachi Water & Sewerage Board

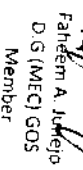
**Name of Work:** Contract Package "Up-Gradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE Karachi", under S-II Project

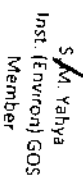
S.No.	Evaluation Criteria	Max. Marks	M/s. Pak Oaisis Ind. (Pvt) Limited	M/s. Saadullah Khan & Bros.
1	Qualification of Firm (i) Execution of Similar Nature Project (ii) Inhouse Design Facility (iii) Understanding of Project	35 Nos.	35 Nos.	35 Nos.
		30 Nos.	20 Nos.	15 Nos.
		35 Nos.	30 Nos.	25 Nos.
2	Key equipment (Machineries & Tools)	100 Nos.	70 Nos.	57.5 Nos.
3	Key Personnel	100 Nos.	94.1 Nos.	83.7 Nos.
4	Financial	100 Nos.	89 Nos.	100 Nos.
Total		400 Nos.	338.1 Nos.	316.2 Nos.
Results			Technically Qualify	Technically Qualify

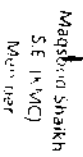
  
Mukhtar Ali Samito  
EE (S-III)  
Member / Secretary

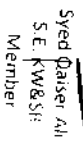
  
Ayaz Tunio  
EE (S-III)  
Member

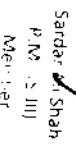
  
Naveed Jabbar  
AO (S-III)  
Member

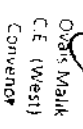
  
Fahem A. Jurejo  
D.G (MEC) GOS  
Member


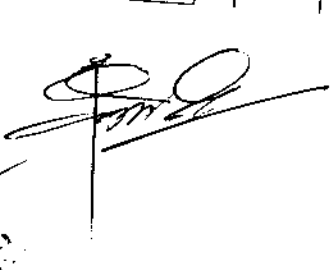
  
S.M. Yahya  
Inst. (Environ) GOS  
Member

  
Magsood Shaikh  
S.E. (KWC)  
Member

  
Syed Qaiser Ali  
S.E. KW&S  
Member

  
Sarder A. Shah  
P.M. (S-III)  
Member

  
Ovais Malik  
C.E. (West)  
Convener

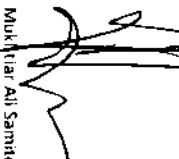
  



**TECHNICAL EVALUATION REPORT / QUALIFICATION ASSESSMENT**

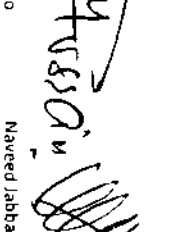
**Name of Procuring Agency:** Karachi Water & Sewerage Board

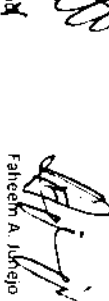
**Name of Work:** Contract Package "Up-Gradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE Karachi", under S-III Project.

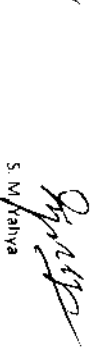
S.No.	Evaluation Criteria	Max. Marks	M/s. Pak Oasis Ind. (Pvt) Limited	M/s. Saadullah Khan & Bros.
1	Qualification of Firm (i) Execution of Similar Nature Project (ii) Inhouse Design Facility (iii) Understanding of Project	35 Nos.	35 Nos.	35 Nos.
		30 Nos.	20 Nos.	15 Nos.
		35 Nos.	30 Nos.	25 Nos.
2	Key equipment (Machineries & Tools)	100 Nos.	70 Nos.	57.5 Nos.
3	Key Personnel	100 Nos.	94.1 Nos.	83.7 Nos.
4	Financial	100 Nos.	89 Nos.	100 Nos.
	<b>Total</b>	<b>400 Nos.</b>	<b>338.1 Nos.</b>	<b>316.2 Nos.</b>
	<b>Results</b>		<b>Technically Quality</b>	<b>Technically Quality</b>

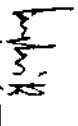
  
 Mukhtar Ali Samito  
 EE (S-III)  
 Member / Secretary


  
 Ayaz Tunio  
 EE (S-III)  
 Member


  
 Naveed Jabbar  
 AO (S-III)  
 Member


  
 Fahem A. Jukejo  
 D.G (M/EC) GOS  
 Member

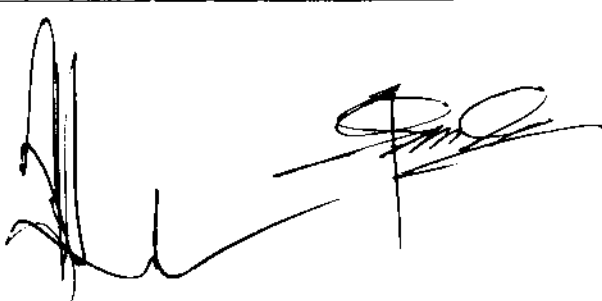
  
 S. M. Yahiya  
 Inst. (Environ) GOS  
 Member

  
 Khadood Shaikh  
 S.E (KMC)  
 Member

  
 Syed Qaiser Ali  
 S.E (KW&SB)  
 Member

  
 Sarfaraz Ali Shah  
 P. 141 (S-III)  
 Member

  
 Qadir Malik  
 C.E (K&S)  
 Convener

  
 Convener



**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE EXECUTIVE ENGINEER (S-III) /**  
**SECRETARY EVALUATION COMMITTEE**

Block – D, 1<sup>st</sup> Floor, 9th Mile Karsaz, Shalra-e-Faisal, Karachi

No E.E/S-III/KW&SB/2014/277

Dated: May 13, 2014

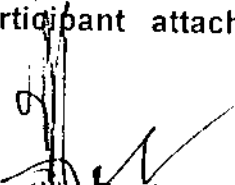
MINUTES OF MEETING

Subject: MEETING OF PROCUREMENT COMMITTEE FOR BID EVALUATION (TECHNICAL PROPOSAL) OF SEWAGE TREATMENT PLANT AT HAROONABAD SITE KARACHI UNDER S-III PROJECT, KW&SB.

Ref. No. SPPRA SR No.18489, NIT REF. NO. INF-KRY- NO.3185/13


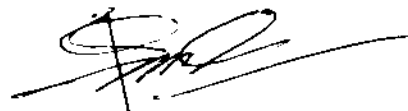
Kindly find attached minutes of the meeting as per Clause 41-9 on the above subject held on 9<sup>th</sup> May 2014 in Committee Room, Block-D, M.D's Secretariat, KW&SB chaired by Mr. Ovais Malik, Chief Engineer (West) as convener of meeting.

As per Clause 41-9 of SPPRA Rule 2010, the Bid (Technical Proposal) opened at 2.30 p.m. on schedule date in the presence of all members of committee constituted as per Clause No.7 of SPPRA Rule and representatives of contractor firms – List of participant attached at Annexure-1.

  
Executive Engineer /  
Secretary Evaluation  
Committee (S-III) Project,  
KW&SB

Distribution:  
All Members.

Copy to:  
2. Project Director, (S-III) Project, KW&SB

Subject: Minutes of Meeting of Procurement Committee for Bid Evaluation (Technical Proposal) of Sewage Treatment Plant at Haroonabad SITE, Karachi under S-III Project KW&SB, held on 9<sup>th</sup> May 2014 i.e. Opening of Technical Proposal.

The Contract Packages of Sewage Treatment Plant's upgradation and expansion works under S-III Project was invited on 2<sup>nd</sup> January 2014 through local leading newspapers and in international print media on 19<sup>th</sup> March 2014. The Bid (Technical) opened as per attended schedule on 9<sup>th</sup> May, 2014 at 2.30 p.m. in the Committee Room of M.D's Secretariat, Block-D, 9<sup>th</sup> Mile Karsaz Office.

The meeting was chaired by Mr. Ovais Malik, Chief Engineer (West) KW&SB and attended by all members of the Committee and the representatives of the Contractor firms.

Sealed Boxes show to all participants in the room, and then at 2.30 p.m. opens to taken out the bids seal of all bids checked by the Committee members, after which opened publically in presence of all members and representatives of all bidder's firms. Bid number marked on each bid and circulated among members for signing on title page of bid envelope.

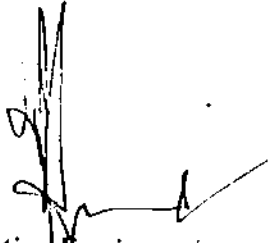
Attendance sheet forwarded for signing the attendance among all members and bidders representatives as per Clause 4 (6) of SPPRA.

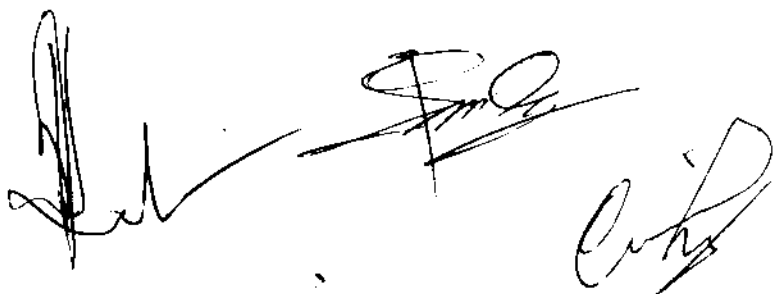
Following the Clause 46-2-(c) (d) of SPPRA Rule 2010, The Committee segregates the financial proposal in separate locked box.

The Convener inform to all members that technical evaluation of bids in accordance with evaluation criteria will be begin from next meeting.

The meeting agenda completed, therefore the meeting ended at 5.50 p.m. with vote of thanks to and from the Chair.

Submitted please.

  
Executive Engineer /  
Secretary Evaluation Committee  
S-III Project, KW&SB





**Karachi Water and Sewerage Board**  
**Greater Karachi Sewerage Plan (S-III)**


**BID OPENING CHECKLIST**

Contract Reference: *Contract Package TP-1: Upgradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE - Karachi.*


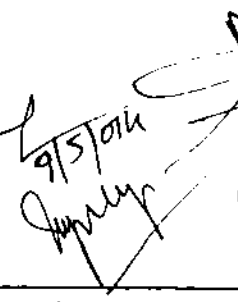
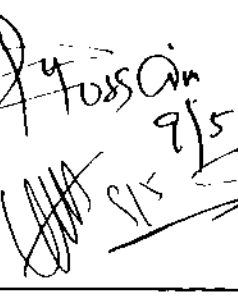
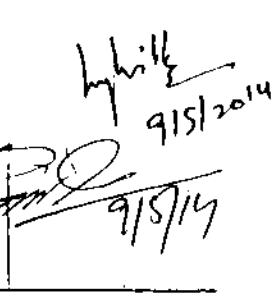
Bid Opening Date: 09-05-2014 Time: 1430 Hrs.


Name of Bidder: M/s Pak Oasis Industries Pvt Ltd

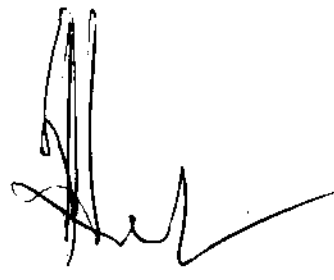
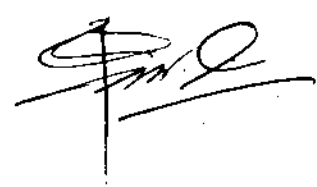
- (a) Is outer envelope of bid sealed? Yes
- (b) Is Letter of Technical Bid completed and signed? Yes
- (c) Expiration date of bid : 09-05-2014
- (d) Is documentary authority for signing enclosed? Yes
- (e) Bid security enclosed (as required): Yes
- (f) Describe any "Substitution," "Withdrawal," or "Modification" submitted.  
 -----  
 -----
- (g) Additional comments -----  
 -----
- (h) Name of bidder or his representative who attended bid opening.  
Syed Muhammed Raza Naqvi
- (i) Is envelope of financial bid sealed?

Signed by Bidder's Representatives: 

Signed by: (Members, Procurement Committee)

 9/5/14  9/5/14  9/5/14  9/5/2014

 9/5/14  
 Convenor of Procurement Committee



**Karachi Water and Sewerage Board**  
**Greater Karachi Sewerage Plan (S-III)**

**BID OPENING CHECKLIST**

Contract Reference: *Contract Package TP-I: Upgradation and Expansion of Sewage Treatment Plant at Haroonabad, SITE - Karachi.*

Bid Opening Date: 09-05-2014 Time: 1430 Hrs.

Name of Bidder: M/s Saadullah Khan & Brothers

- (a) Is outer envelope of bid sealed? Yes
- (b) Is Letter of Technical Bid completed and signed? Yes
- (c) Expiration date of bid: 09-05-2014
- (d) Is documentary authority for signing enclosed? Yes
- (e) Bid security enclosed (as required): Attached with Bid documents
- (f) Describe any "Substitution," "Withdrawal," or "Modification" submitted.  
 -----
- (g) Additional comments  
 -----
- (h) Name of bidder or his representative who attended bid opening.  
Sadullah Khan
- (i) Is envelope of financial bid sealed?  
 -----

Signed by Bidder's Representatives:

[Signature]

Signed by (Members, Procurement Committee)

[Signatures] 9/5/14

[Signature] 9/5/14

Convener of Procurement Committee

[Signatures]



**KARACHI WATER & SEWERAGE BOARD**  
**OFFICE OF THE EXECUTIVE ENGINEER (S-III) /**  
**SECRETARY EVALUATION COMMITTEE**  
Block - D, 1<sup>st</sup> Floor, 9th Mile Karsaz, Shakra-e-Faisal, Karachi

No. EE/S-III/KW&SB/2014/287-A

Dated: May 21, 2014

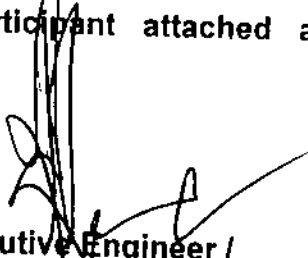
**MINUTES OF MEETING**

Subject: **MEETING OF PROCUREMENT COMMITTEE FOR BID EVALUATION (FINANCIAL PROPOSAL) OF STP-I UNDER S-III PROJECT, KW&SB.**

Ref. No. SPPRA SR No.18489, NIT REF. NO. INF-KRY- NO.529/14


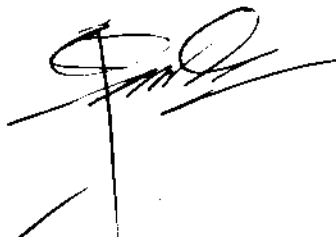
Kindly find attached minutes of the meeting as per Clause 41-9 on the above subject held on 27<sup>TH</sup> May 2014 in Committee Room, Block-D, M.D's Secretariat, KW&SB chaired by Mr. Ovais Malik, Chief Engineer (West) as convener of meeting.

As per Clause 41-9 of SPPRA Rule 2010, the Bid (Financial Proposal) opened at 11:00 a.m. on schedule date in the presence of all members of committee constituted as per Clause No.7 of SPPRA Rule and representatives of contractor firms - List of participant attached at Annexure-1.

  
Executive Engineer /  
Secretary Evaluation  
Committee (S-III) Project,  
KW&SB

Distribution:  
All Members.

Copy to:  
1. Project Director, (S-III) Project, KW&SB

all members Meeting of Procurement Committee

## MINUTES OF MEETING

Subject: Minutes of Meeting of Procurement Committee for Bid Evaluation (Financial Proposal) of STP-1, under S-III Project, KW&SB, held on 27<sup>th</sup> May 2014 i.e. Opening of Technical Proposal.

The Contract Packages of STP-I (Upgradation and Expansion of Sewage Treatment Plant at Haroonabad, Site, Karachi) under S-III Project was invited on 2<sup>nd</sup> January 2014 through local leading newspapers and on 22<sup>nd</sup> March 2014 in International Newspapers. The Bid was opened as per amended schedule on 27<sup>th</sup> May, 2014 at 11:00 a.m. in the Committee Room of M.D's Secretariat, Block-D, 9<sup>th</sup> Mile Karsaz Office.

The meeting was chaired by Mr. Ovais Malik, Chief Engineer (West) KW&SB and attended by all members of the Committee and the representatives of the Contractor firms.

Scaled Box shown to all participants in the room, and then at 11:00 a.m. opened to taken out the bids. Seal of all bids (Financial Proposal) checked by the Committee members and representative of participants firm, after which opened publically in presence of all members and representatives of all bidder's firms. Bid number marked on each bid and circulated among members for signing on title page of bid envelope.

Attendance sheet forwarded for signing the attendance among all members and bidders representatives as per Clause 41(6) of SPPRA.

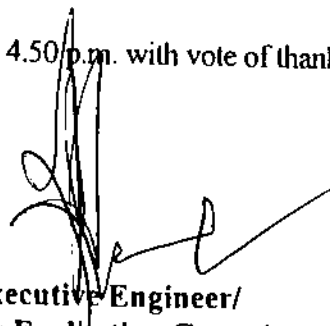
Following the Clause 41-5 of SPPRA Rule 2010, the name of bidder and total amount of bid read loudly and recorded when opened, also check for overwriting or cutting which is not found.

The Convener inform to all members that financial evaluation of bids in accordance with evaluation criteria will be begin from next meeting.

The meeting agenda completed, therefore the meeting ended at 4.50 p.m. with vote of thanks to and from the Chair.



Executive Engineer/  
Secretary Evaluation Committee  
S-III Project, KW&SB







# KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE EXECUTIVE ENGINEER (S-III) PROJECT /  
SECRETARY / MEMBER EVALUATION COMMITTEE

Block - D, 9th Mile Karsaz, Shakra-e-Faisal, Karachi

Phone & Fax No. 99240828

No. EE/SECY (EC)/(S-III)/2014/

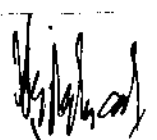

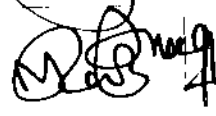
May 27, 2014

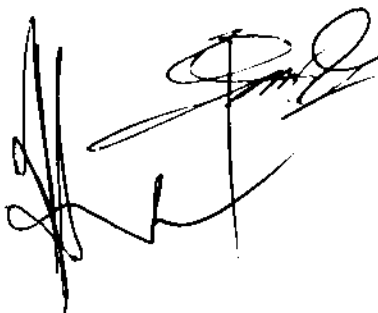
Subject: Contract Package TP- I "Up-Gradation and Expansion of  
Sewage Treatment Plant at Haroonabad, SITE Karachi, Under  
Greater Karachi Sewerage Plan S-III"

## ATTENDANCE SHEET

NAME	DESIGNATION	SIGNATURE
Mr. Owais Malik	Chief Engineer Convener / Member	
Mr. Qaiser Ali	Superintending Engineer Member	
Mr. S. M. Yahya	Director Labs. Env. Dept GOS (Member)	
Mr. Fahim Junejo	Director General (LG) Monitoring & EVA (GOS) (Member)	
Mr. Maqsood Shaikh	S.E (KMC) Member	
Mr. Sardar Shah	Project Manager Member	
Mr. Ayaz Tunio	Dy. Project Manager Member	
Mr. Naveed Jabbar	A/c. Officer Member	
Mr. Mukhtiar Samtio	Executive Engineer Secretary	

Bidders / Participants

Name of Representative	Firm / Company	Designation	Signature
Mr. Khalid Mahmood	M/s. Saadullah Khan & Brothers	Manager Contact & Coordinator	
Mr. D. Dawar Khan	M/s. SKB	Manager Admitt	
Mr. S. M. Raza Naqvi	M/s. PAK OASIS Industries Pvt Ltd.	Gen. manager	
Mr.	M/s.		
Mr.	M/s.		
Mr.	M/s.		
Mr.	M/s.		
Mr.	M/s.		
Mr.	M/s.		
Mr.	M/s.		



MUKHTAR SAMTIO  
Secretary / Member  
Evaluation Committee

# KARACHI WATER & SEWERAGE BOARD



**CONTRACT PACKAGE STP - 1**

**PROJECT:**

**UP-GRADATION AND EXPANSION OF**  
**TREATMENT PLANT TP-I, AT**  
**HAROONABAD, SITE KARACHI UNDER**  
**S-III PROJECT**

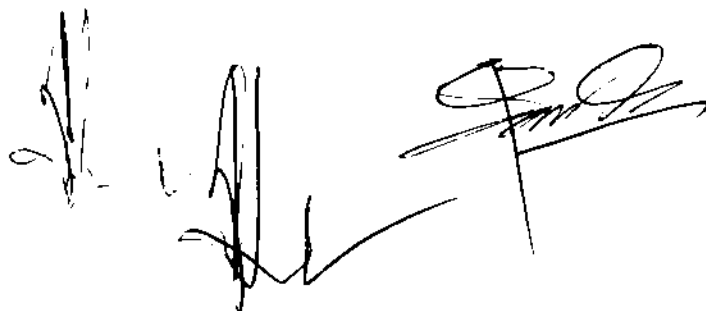
**FINANCIAL EVALUATION REPORT**

**JULY, 2014**

Two handwritten signatures in black ink are present at the bottom of the page. The signature on the left is more vertical and stylized, while the one on the right is more horizontal and cursive.

**FINANCIAL EVALUATION REPORT TP-I**  
**CONTENTS**

<b>1.0 INTRODUCTION</b>	1
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3.3 Bid Validity Period	2
3.4 Bid Prices Announced	2
<b>4.0 PRELIMINARY EXAMINATION OF TENDERS</b>	2
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4.2 M/s. Pak Oasis Industries (Pvt) Limited	3
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The image shows three handwritten signatures in black ink, positioned horizontally across the lower half of the page. The signatures are stylized and appear to be written in a cursive or semi-cursive script. The first signature on the left is the most vertical, the middle one is more horizontal, and the one on the right is the most horizontal and has a long, sweeping tail.



## KARACHI WATER & SEWERAGE BOARD

### UP-GRADATION AND EXPANSION OF TREATMENT PLANT TP-I, AT HAROONABAD, SITE KARACHI UNDER S-III PROJECT

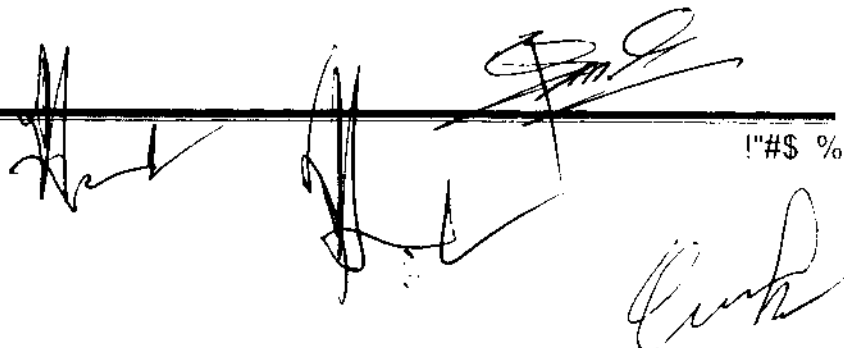
#### 1. INTRODUCTION

- 1.1 Karachi with an ever-increasing population that currently stood at around 20 million, is facing a severe sanitation crisis; unhygienic conditions at Sea Coast, Clogged Nullahs, Blocked Drains, and broken up Main Trunk Sewers and out of order Treatment Plants. The current disposal system lacks treatment facilities and requires conveyance network for the sewage to divert it to the treatment plant which are currently being disposed off into coastlines of Karachi City, untreated and thereby causing serious threats to marine life and port operations.
- 1.2 In order to deal with the above stated condition Karachi Water & Sewerage Board (KW&SB) initiated a program for the implementation of Greater Karachi Sewerage Plan (S-III), which includes the Construction of Interceptor sewers along Malir and Lyari Rivers on both sides from outfall of sea to city limits and diverting the generated sewage flows from these rivers to treatment plants including capacity enhancement of existing and construction of new sewage treatment plants at Lyari and Malir River basins.
- 1.3 The subject tender evaluation report is pertaining to Contract Package STP-I upgradation and expansion of treatment plant, TP-I at Haroonabad, SITE, Karachi under S-III Project.

#### 2. BIDDING PROCESS

- 2.1 The Bids were invited through leading National Newspapers published on 2<sup>nd</sup> January, 2014 and in International Newspapers published on 22<sup>nd</sup> March, 2014 on the basis of Lowest Evaluated Responsive Bid (LERB). In accordance with Clause 46 (2) of SPPRA Rules – 2010.
- 2.2 **Numbers of Firms to Whom Tenders Documents Were Sold:**  
Eight (08) Nos. Tenders Documents were sold to the tenders, till last extend date advertised in Corrigendum No.4.

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### 3 BID SUBMISSION AND OPENING:

#### 3.1 Bid Submission Deadline:

The deadline was fixed on 9<sup>th</sup> May, 2014 by 1400 Hrs.

#### 3.2 Bid Opening:

Out of Eight Numbers issued bid documents, Two Tenders were received and opened (technical proposals) by the tender opening and evaluation committee on 9<sup>th</sup> May, 2014 at 14:30 Hrs, in the presence of the representative of the participating firms, the following firms submitted their bids.

- a) M/s. Saadullah Khan & Brothers.
- b) M/s. Pak Oasis Industries (Pvt) Limited.

#### 3.4 Bid Validity Period:

According to terms and conditions of the contract the validity period of bid was fixed as 120 days from the deadline for submission of tender, being I.C Bidding.

#### 3.5 Bid Price Announced

The bid prices were announced in the presence of the representatives of the participating firm.

The summary of announced price is given in table and is also indicated herein

(Rs. In millions)

Sr. No.	TENDER	AMOUNT
1	M/s. Pak Oasis Industries	Rs.3,891,660,035/=
2	M/s. Shaikh Baz Khan	Rs.4,040,704,927/=

### 4. PRELIMINARY EXAMINATION OF TENDERS:

The preliminary examination of tenders was made to identify and reject the bids of that were incomplete, invalid or substantially non-responsive to the bidding documents. These following checks have been applied :

#### a) Verification:

- i) Is the bid properly signed?
- ii) If the bidders are a joint venture, agreement is submitted.
- iii) Documentary evidence of authority to sign the bid.

#### b) Eligibility:

- i) Is the bidder has been qualified at stage - I?

!#\$ &

c) **Bid Security:**

- i) Is the required bid security submitted?
- ii) Is the bid security valid upto required period?

d) **Substantial Responsiveness to Tender Documents:**

Is the bid substantially responsive to the requirements of the tender documents without material deviation or reservation? A material deviation is one (1) which effects in any substantial way the scope quality of performance work (2) which limits in any substantial way in consistent with the tender documents, the employers rights or the tenders obligation under the contract or (3) adoption whereof would affect unfairly the competitive positions of the other tenders presenting substantially responsive tenders.

**4.1 M/s. Saadullah Khan & Brothers:**a) **Verification:**

- i) The bid is properly signed and stamped.
- ii) N.A.
- iii) Documentary evidence of authority to sign the bid is attached.

b) **Eligible:**

They are eligible to participate in the tender, as their technical proposals have been accepted at stage-1.

c) **Bid Security:**

They have submitted Bid Security in shape of Pay Order No. PO No.2941181 dated 8<sup>th</sup> May, 2014 from United Bank Limited Nursery Branch amounting to Rs.40,000,000/-.

d) **Substantial Responsiveness to Tender Requirements:**

No material deviation or reservations were notified in the bid.

**4.2 M/s. Pak Oasis Industries (Pvt) Limited:**a) **Verification:**

- i) The bid is properly signed and stamped.
- ii) N.A.
- iii) Documentary evidence of authority to sign the bid is attached.

b) **Eligible:**

They are eligible to participate in the tender, as their technical proposals have been accepted at stage-1.

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c) **Bid Security:**

They have submitted Bid Security in shape of Bank Guarantee No. LG No.14900100001857 dated 8<sup>th</sup> May, 2014 from J.S Bank, Shaheen Complex Branch amounting to Rs.40,000,000/- and valid upto 9<sup>th</sup> October 2014.

The authenticity of the subject Bank Guarantee may be verified by KW&SB.

d) **Substantial Responsiveness to Tender Requirements:**

No material deviation or reservations were notified in the bid.

5. **DETAILED EXAMINATION OF TENDER:**

5.1 **Arithmetical Check:**

The Bill of Quantities (BOQ) of each substantially responsive bidder has been checked arithmetically and minor mistakes have been corrected and implemented accordingly.

5.2 **Review of Item Rate:**

A detailed comparative statement of substantially responsive bids with Engineer's Estimate (excluding provisional sum and 5% Physical contingencies) has been made and is presented in Annexue-1 of this report. A summary of comparative study is reflected in Table - 8.

It will be seen from Table - 8 that:

- M/s. Saadullah Khan & Brothers has quoted a total price of Rs.4,040,704,927, which is 3.61% below the Engineer's Estimate.
- M/s. Pak Oasis Industries (Pvt) Limited has quoted a total price of Rs.3,891,660,035, which is 7.17 % below the Engineer's Estimate.

Since M/s. Pak Oasis Industries (Pvt) Limited has secured the 1<sup>st</sup> lowest evaluated position at 7.17% the Engineer's Estimate, their quoted rates for the items of work, which make the significant financial impact, have been examined in detail.

6. **DETERMINATION OF AWARD:**

In view of the position as stated in this report the lowest evaluated responsive bid of M/s. Pak Oasis Industries (Pvt) Limited can be considered for acceptance and

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in this regard financial concurrence of contract Cost may be sort out from available funds for the project.

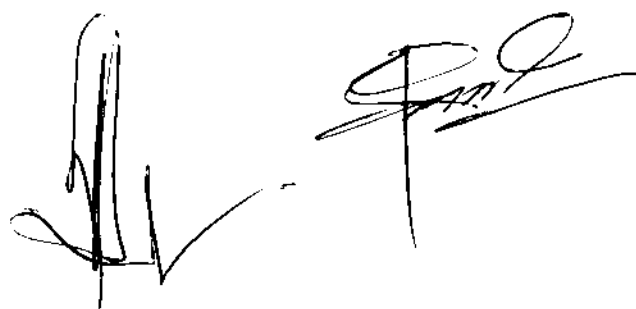
7. **RECOMMENDATIONS:**

The price quoted by M/s. Pak Oasis Industries (Pvt) Limited is Rs.3,891,660,035. Which is 7.17% below the Engineer's Estimate and being the lowest they can be considered for the contract and competent authority may offer letter of acceptance subject to approval of competent authority.

8. **CONCLUSION:**

The recommendations made in' this report are subject to the availability of required funds for the expenditure incurred in the proposed Contract Package of STP-1 under S-III Project.

# TABLES 1 TO 8

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**TABLE 1. IDENTIFICATION**

1.1. Name of Project	Greater Karachi Sewerage Plan (S-III)
1.2. Employer a) Name b) Address	a) Karachi Water & Sewerage Board b) Block 'D', 9 <sup>th</sup> Mile Karsaz, Shakra-e-Faisal, Karachi.
1.3. Contract number (Identifications)	Contract Package STP-I
1.4 Contract Description	Up-Gradation and expansion of Treatment Plant-I at Haroonabad SITE, Karachi under S-III Project.
1.5 Engineer's Cost Estimate (S)	Rs. 4192209558/-
1.6 Method of Procurement	ICB One stage two envelopes.
1.7 Fixed price contract	Yes

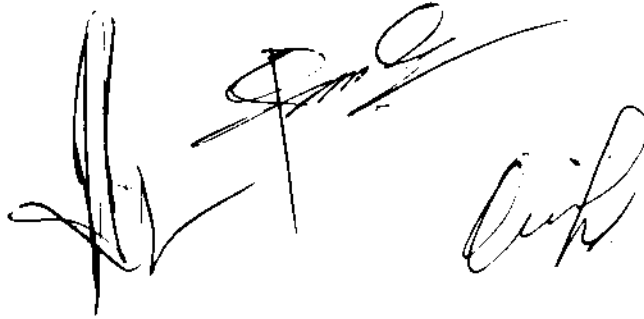


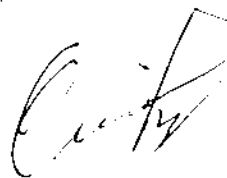
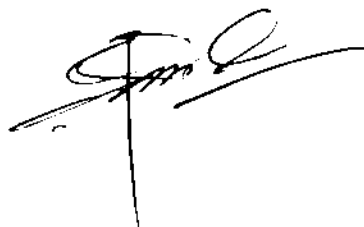

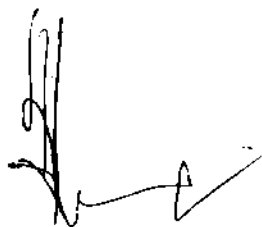


TABLE - 2 BIDDING PROCESS

2.1	Prequalification carried out a) Number of Firms Qualified	N.A.
2.2	Procurement / Tender Notices a) Name of National Newspaper b) Issue date c) Number of individual firms / notified	N.A.
2.3	Standard Bidding Documents a) Title, publication date. b) Date of issue to Bidders	2 <sup>nd</sup> January, 2014 9 <sup>th</sup> January, 2014
2.4	Number of firms to whom document issued	Eight (08)
2.5	Amendments to documents, if any a) List all amendments	
2.6	Date of Pre-Bid Conference, if any	March, 2014
2.7	Date of minutes of conference sent to bidders	March, 2014


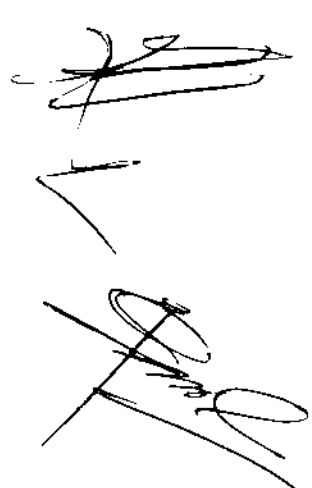

### TABLE 3. BID SUBMISSION AND OPENING

3.1 Bid submission deadline a) Original date, time b) Extension, if any	9 <sup>th</sup> May, 2014, 1400 Hrs Four (04) times
3.2 Bid opening date, time (Actual)	9 <sup>th</sup> May, 2014, 1430 Hrs
3.3 Number of bids submitted	02 Nos
3.4 Bid validity period (days, weeks or months)  a) Originally specified b) Extension, if any	120 days after the date of Tender Opening Nil.




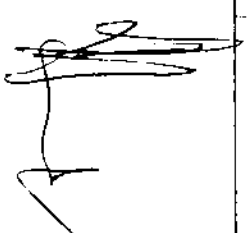
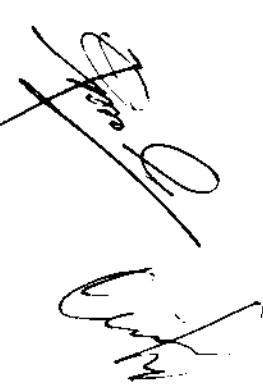
**TABLE 4. SUMMARY OF BID PRICES (AS READ ONLY)**

Sr. No.	Bidder Identification	Read out Bid Prices (Pak Rupees)		Modification or Comments
	Bidder Identification (a)	Amount Rs. (b)	Rebate / Premium if any (c)	
1	M/s. Saad-ul-Khan & Bros.	Rs. 4040,704,927/-	NIL	NIL
2	M/s. Pak Oasis Industries (Pvt.) Ltd.	Rs. 3889,961,281/-	NIL	NIL

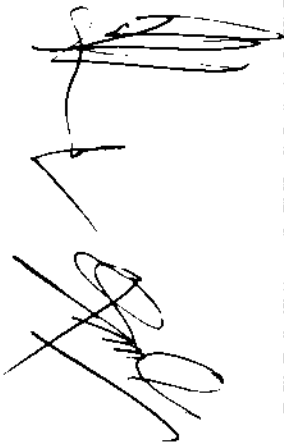
**TABLE 5. PRELIMINARY EXAMINATION**

	VERIFICATION	ELIGIBILITY	BID SECURITY (in the form of Pay Order / Bank Guarantee / Insurance Guarantee Amount in Rupees)	SUBSTANTIAL Responsiveness to Tender Requirements	ACCEPTANCE for Detailed Examination
(a)	(b)	(c)	(d)	(e)	(f)
M/s. Saad-ul-Khan & Bros.	<ol style="list-style-type: none"> <li>1. Yes</li> <li>2. N.A.</li> <li>3. Yes</li> </ol>	<ol style="list-style-type: none"> <li>1. Yes (stage-I)</li> <li>2. No</li> </ol>	Pay Order for Rs. 40 Million	Fonud No Material reservation's or Deviations	Yes
M/s. Pak Oasis Industries (Pvt.) Ltd.	<ol style="list-style-type: none"> <li>1. Yes</li> <li>2. N.A.</li> <li>3. Yes</li> </ol>	<ol style="list-style-type: none"> <li>1. Yes (stage-I)</li> <li>2. No</li> </ol>	Bank Guarantee for Rs. 40 Million	Fonud No Material reservation's or Deviations	Yes

**TABLE 6. CORRECTIONS AND UNCONDITIONAL DISCOUNTS**

Sr. No.	Bidder	Read-out Bid Price (S)		
		Amount (S) Rs.	Discount / Premium of any	Amount after discount / premium
1.	M/s. Saad-ul-Khan & Bros.	Rs. 4040,704,927/- (b)	Nil (c)	Rs. 4040,704,927/- (d)
2.	M/s. Pak Oasis Industries (Pvt.) Ltd.	Rs. 3889,961,281/-	Nil	Rs. 3889,961,281/-








## TABLE 7. ADDITIONS, ADJUSTMENTS, AND PRICED DEVIATIONS

Specify Evaluation Currency: Pak Rupees

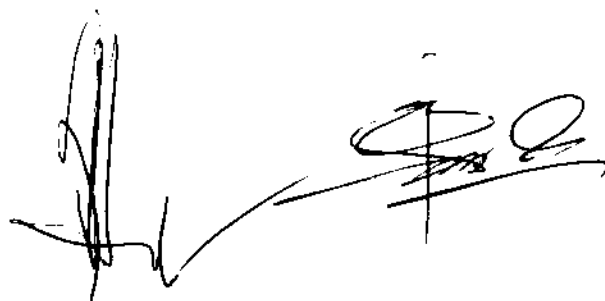
Sr. No.	Bidder	Corrected / Discounted Bid Price Rs.	Additions	Adjustments	Priced Deviations	Total Price Rs.
	(a)	(b)	(c)	(d)	(e)	(f)=(b)+(c)+(d)+(e)
1	M/s. Saad-ul-Khan & Bros.	Rs. 4040,704,927/-	-	-	-	Rs. 4040,704,927/-
2	M/s. Pak Oasis Industries (Pvt.) Ltd.	Rs. 3891,660,035/-	-	-	-	Rs. 3891,660,035/-



**TABLE 8. SUMMARY OF COMPARATIVE COST**  
(Excluding Provisional Sum and Contingencies)

Sr. No.	Name of Contractor	Cost as per Engineer's Estimate	Quoted Price (Rs.)	Quoted Price (Rs.)	Difference BMW Engineer's Estimate (Rs.)	E = (d/a)x100
		Less Provisional	By Contractor Including Discount / Rebate	By Contractor Less Rebate (if any), Provisional		
		(a)	(b)	(c)		
1	M/s. Saad-ul-Khan & Bros.	Rs. 4191,209,558/-	Rs. 4040,704,927/-	Rs. 4039,704,927/-	Rs. -151504631/-	-3.61%
2	M/s. Pak Oasis Industries (Pvt.) Ltd.	Rs. 4191,209,558/-	Rs. 3891,660,035/-	Rs. 3890,660,035/-	Rs. -300549523/-	-7.17%

# ANNEXURE

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PROJECT

COMPARATIVE STATEMENT

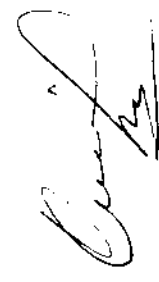
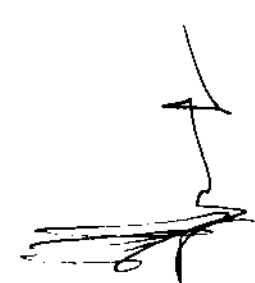

BILL NR	TITLE	ENGINEER'S STATEMENT	M/S. PAK OASIS INDUSTRIES (Pvt.)	M/S. SAAD-ULLAH-KHAN & BROS
1	ITEM NO 1 TO 4	Rs. 3524,049,497/-	Rs. 3549,252,890/-	Rs. 3727,328,607/-
2	GENERAL WORKS	Rs. 131,413,825/-	Rs. 110,490,000/-	Rs. 85,904,000/-
3	DAY WORKS	Rs. 15,397,209/-	Rs. 38,200,000/-	Rs. 26,657,800/-
4	OPERATION & MAINTENANCE	Rs. 321,720,000/-	Rs. 8,400,000/-	Rs. 8,400,000/-
	SUB TOTAL 1 TO 4	Rs. 3992,580,531/-	Rs. 3706,342,890/-	Rs. 3848,290,407/-
	5% PHYSICAL CONTINGENCIES FOR VARIATION / EXTRA WORK INSTRUCTED BY THE ENGINEER	Rs. 199,629,027/-	Rs. 185,317,145/-	Rs. 192,414,520/-
	TOTAL	Rs. 4192,209,558/-	Rs. 3891,660,035/-	Rs. 4040,704,927/-
	Less 5% Physical Contingencies	Rs. 199,629,027/-	Rs. 185,317,145/-	Rs. 192,414,520/-
	Less Provisional Sum	Rs. 1000,000,-	Rs. 1000,000,-	Rs. 1000,000/-
	Sub Total	Rs. 3991,580,531/-	Rs. 3705,342,890/-	Rs. 3847,290,407/-
	Percentage of Rebate, if any	Nil	Nil	Nil
	Amount of Rebate	Nil	Nil	Nil
	Total After Rebate	Rs. 3991,580,531/-	Rs. 3705,342,890/-	Rs. 3847,290,407/-
	% Variation from Engineer's Estimate	-	-7.17%	-3.61%

**CONTRACT PACKAGE TP-I UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,**

**SITE, KARACHI**

**CONTRACT PACKAGE IP-I  
ENGINEER'S ESTIMATE  
SUMMARY**

SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
1	CIVIL WORKS	2,346,675,741	2,220,188,562	-5.39	2,459,962,231	4.83
2	CIVIL RESTORATION WORKS	50,887,339	43,454,828	-14.61	73,879,642	45.18
3	ELECTRIC WORKS	364,170,690	458,273,500	25.84	481,061,734	32.10
4	MECHANICAL WORKS	762,315,727	827,336,000	8.53	712,425,000	-6.54
5	GENERAL WORKS	131,413,825	110,490,000	-15.92	85,904,000	-34.63
6	DAY WORKS	15,397,209	38,200,000	148.10	26,657,800	73.13
7	OPERATION AND MAINTENANCE	321,720,000	8,400,000	-97.39	8,400,000	-97.39
	TOTAL 1 TO 7	3,992,580,531	3,706,342,890	-7.17	3,848,290,407	-3.61
	5% PHYSICAL CONTINGENCIES FOR VARIATION / EXTRA WORK INSTRUCTED BY THE ENGINEER	199,629,027	185,317,145		192,414,520	-3.61
	<b>GRAND TOTAL OF ENGINEER'S ESTIMATE</b>	<b>4,192,209,558</b>	<b>3,891,660,035</b>	<b>-7.17</b>	<b>4,040,704,927</b>	<b>-3.61</b>

**CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD.**

**SITE, KARACHI**

**CONTRACT PACKAGE TP-I  
ENGINEER'S ESTIMATE  
SUMMARY OF COST - CIVIL WORKS**

SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
1	GEOTECHNICAL INVESTIGATION	2,500,000	5,100,000	104.00	3,150,000	26.00
2	COARSE SCREEN	23,859,241	24,511,396	2.73	26,036,312	9.12
3	WASTE WATER PUMPING STATION	57,306,191	56,680,970	-1.09	82,168,414	43.38
4	COMMON INLET CHAMBER	33,469,354	36,658,396	9.53	37,905,952	13.26
5	FINE SCREEN CHAMBER	16,949,811	18,710,120	10.39	19,791,126	16.76
6	GRIT CHAMBER	37,002,383	38,171,620	3.16	40,240,572	8.75
7	DISTRIBUTION PIT 01	7,353,437	9,173,840	24.76	8,901,700	21.05
8	PRIMARY SEDIMENTATION TANK	200,037,874	206,955,491	3.46	218,488,656	9.22
9	JUNCTION PIT 01	3,765,247	4,589,195	21.88	4,494,210	19.36
10	DISTRIBUTION PIT 02	10,790,782	12,836,029	18.95	12,652,412	17.25
11	TRICKLING FILTERS	803,970,941	558,891,554	-30.48	658,288,268	-18.12
12	TRICKLING FILTERS COLLECTION NETWORK	5,070,670	6,400,780	26.23	6,520,982	28.60
13	JUNCTION PIT 02	2,246,760	2,584,523	15.03	2,577,980	14.74
14	DISTRIBUTION PIT 03	5,033,592	6,459,963	28.34	6,165,934	22.50
15	HUMUS TANKS	424,373,890	486,697,557	14.69	496,086,006	16.90
16	PRIMARY SLUDGE PUMPING ROOM	4,293,515	4,230,004	-1.48	2,962,630	-31.00
17	HUMUS SLUDGE PUMPING ROOM	8,793,009	9,747,969	10.86	11,008,274	25.19
18	PICKET FENCING THICKNERS	92,215,944	102,129,210	10.75	107,381,664	16.45
19	THICKENED SLUDGE PUMPING ROOM	2,195,954	2,160,487	-1.62	1,648,530	-24.93
20	SLUDGE DIGESTERS	148,012,519	150,569,415	1.73	157,167,758	6.19
21	DIGESTED SLUDGE PUMPING ROOM	3,934,167	3,521,361	-10.49	2,829,811	-28.07
22	SLUDGE DRYING BEDS	104,944,426	113,036,960	7.71	125,236,294	19.34
23	POWER HOUSE	18,895,040	15,462,970	-18.16	15,337,272	-18.83
24	SUB-STATION 01	4,933,202	4,293,512	-12.97	3,607,575	-26.87
25	SUB-STATION 02	8,581,415	5,636,206	-34.32	6,108,340	-28.82
26	SUB-STATION 03	5,872,660	4,480,140	-23.71	4,569,204	-22.20

*[Handwritten signatures and initials]*

**CONTRACT PACKAGE TP-1 UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD.**





**SITE, KARACHI**

**CONTRACT PACKAGE TP-1**

**ENGINEER'S ESTIMATE**

**SUMMARY OF COST - CIVIL WORKS**

SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
27	PIPES & FITTINGS	217,280,243	228,174,930	5.01	271,396,330	24.91
28	STROM WATER DRAINAGE NETWORK	22,370,330	28,152,070	25.85	28,454,342	27.20
29	ROAD WORKS	64,630,696	67,611,375	4.61	92,228,850	42.70
30	JUNCTION PIT 06	2,155,774	2,429,455	12.70	2,441,880	13.27
31	UG & OH WATER TANKS	2,780,040	2,877,714	3.51	2,934,532	5.56
32	UG FUEL TANK	1,056,633	1,253,350	18.62	1,180,420	11.72
	<b>TOTAL COST OF CIVIL WORKS</b>	<b>2,346,675,740</b>	<b>2,220,188,562</b>	<b>-5.39</b>	<b>2,459,962,230</b>	<b>4.83</b>

**CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,**

**SITE, KARACHI**

**CONTRACT PACKAGE TP-I**

**ENGINEER'S ESTIMATE**

**SUMMARY OF COST - (ELECTRICAL)**

SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
1	POWER HOUSE	171,313,870	153,305,700	-10.51	263,921,639	54.06
2	SUB-STATION - I	9,403,310	17,307,700	84.06	12,569,775	33.67
3	SUB-STATION - II	30,856,040	73,538,300	138.33	17,059,375	-44.71
4	SUB-STATION - III	13,548,060	34,239,400	152.73	13,625,150	0.57
5	WASTE WATER PUMPING STATION	823,830	2,460,000	198.61	2,128,500	158.37
6	PRIMARY SLUDGE PUMPING ROOMS	602,950	447,700	-25.75	1,100,505	82.52
7	HUMUS SLUDGE PUMPING ROOMS (FROM I TO II)	409,320	470,000	14.82	675,940	65.14
8	HUMUS SLUDGE PUMPING ROOMS (FROM III TO IV)	241,180	430,300	78.41	1,024,260	324.69
9	THICKENED SLUDGE PUMPING ROOM	134,230	464,000	245.68	1,833,440	1265.89
10	DIGESTED SLUDGE PUMPING STATION	361,770	437,900	21.04	238,250	-34.14
11	EXTERNAL AREA WORKS	136,476,130	175,172,500	28.35	166,884,900	22.28
	<b>TOTAL COST OF ELECTRICAL WORKS</b>	<b>364,170,690</b>	<b>458,273,500</b>	<b>25.84</b>	<b>481,061,734</b>	<b>32.10</b>




*[Handwritten signatures and initials]*



**CONTRACT PACKAGE TP-I UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,  
SITE, KARACHI**

**CONTRACT PACKAGE TP-I  
ENGINEER'S ESTIMATE  
SUMMARY OF MECHANICAL WORKS COST**




SR. NO.	TITLE	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/S. S.K.B	% Above / Below
1	MANUALLY CLEANED MECHANICALLY OPERATED COARSE SCREENS	30,861,571	25,200,000	-18.35	21,800,000	-29.36
2	MECHANICALLY CLEANED MECHANICALLY OPERATED RAKED TYPE FINE SCREENS	23,575,121	33,412,000	41.73	23,600,000	0.11
3	STANDBY MANUALLY CLEANED FINE SCREENS	6,387,814	7,200,000	12.71	6,400,000	0.19
4	RAW SEWAGE PUMPING STATION	167,303,180	132,776,000	-20.64	82,380,000	-50.76
5	COMMON INLET CHAMBER	1,471,482	4,740,000	222.12	4,640,000	215.33
6	DETRITORS	20,125,937	19,200,000	-4.60	16,800,000	-16.53
7	DISTRIBUTION PIT # 1	1,447,472	4,200,000	190.16	6,600,000	355.97
8	PRIMARY SEDIMENTATION TANK	70,900,968	93,000,000	31.17	71,700,000	1.13
9	PRIMARY SLUDGE PUMPING ROOM	20,581,797	25,550,000	24.14	42,275,000	105.40
10	DISTRIBUTION PIT # 2	2,545,145	9,600,000	277.19	10,200,000	300.76
11	TRICKLING FILTERS	162,183,726	122,000,000	-24.78	84,900,000	-47.65
12	DISTRIBUTION PIT # 3	2,412,454	7,000,000	190.16	9,000,000	273.06
13	HUMUS TANKS	113,241,549	147,000,000	29.81	113,700,000	0.40
14	HUMUS SLUDGE PUMPING ROOM	41,382,872	42,444,000	2.56	79,140,000	91.24
15	PICKET FENCING THICKENER	34,239,738	34,000,000	-0.70	38,000,000	10.98
16	THICKENED SLUDGE PUMPING ROOM	8,232,719	10,292,000	25.01	16,910,000	105.40
17	SLUDGE DIGESTERS	17,356,264	60,000,000	245.70	24,000,000	38.28
18	DIGESTED SLUDGE PUMPING ROOM	12,326,578	15,378,000	24.75	25,320,000	105.41
19	POWER HOUSE	8,055,719	7,000,000	-13.11	3,900,000	-51.59
20	BIOGAS FLARE	1,500,000	10,000,000	566.67	800,000	-46.67
21	HYDRAULIC MODELING	5,000,000	8,000,000	60.00	21,600,000	332.00
22	FLOW METERS	8,000,000	7,200,000	-10.00	3,400,000	-57.50
23	SLUDGE DRYING BEDS	3,183,619	2,144,000	-32.66	5,360,000	68.36
	<b>TOTAL FOR MECHANICAL WORKS</b>	<b>762,315,725</b>	<b>827,336,000</b>	<b>8.53</b>	<b>712,425,000</b>	<b>-6.54</b>

**CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,  
SITE, KARACHI**

**ENGINEER'S ESTIMATE  
BILL NO. 5: GENERAL WORKS**

Sr.No.	ITEMS OF WORKS	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/s. S.K.B	% Above / Below
1	Provide and maintain Temporary containerized furnished, Air Conditioned Site Office (Area minimum 200 Sq.Mt) with the provision of electricity, telephone, Gas, Water and Drainage system including the payment of all taxes and utility bills with separate toilet facility, all as specified or as directed by the Engineer.	10,800,000	8,100,000	-25.00	5,400,000	-50.00
2	Provide furniture, fixtures and equipment, all as specified or as directed by the Engineer, for Temporary Site Office. (The furniture, fixtures and equipment shall become property of the Employer after completion of the project).	2,364,165	750,000	-68.28	1,000,000	-57.70
3	Maintain all specified furniture, fixtures and office equipment along with regular supplies of office stationery and consumables including janitorial services of Temporary Site Office.	12,322,800	2,700,000	-78.09	2,160,000	-82.47
4	Provide Assistance to Engineer's Support Staff as stated in specification:					
	(i) Site Office Staff	5,744,700	14,040,000	144.40	2,880,000	-49.87
	(ii) Survey Staff with equipment.	16,813,080	10,800,000	-35.76	7,200,000	-57.18
	(iii) Laboratory Staff with Tran	12,151,680	7,200,000	-40.75	4,800,000	-60.50

Sr.No.	ITEMS OF WORKS	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/s. S.K.B	% Above / Below
5	Providing and making available at all times vehicles, including comprehensive insurance and registration etc. for use of the Engineer and his staff and employer in accordance with the specifications and as directed by the Engineer. (The vehicle shall become property of the Employer after completion of the project).					
	(a) Toyota VIGO Champ G Model 2014 or equivalent	5,375,980	4,000,000	-25.59	5,000,000	-6.99
	(b) Honda Civic Vti Oriol Prosmatec Transmission Model 2014 or equivalent.	2,704,650	2,800,000	3.53	2,100,000	-22.36
	(c) Honda City Aspire Prosmatec Petrol Engine with AC Model 2013 or equivalent.	2,489,840	2,500,000	0.41	1,700,300	-31.71
	(d) Suzuki Cultus VXRi EURO II Petrol Engine with AC Model 2014 or equivalent.	5,683,000	4,800,000	-15.54	4,800,000	-15.54
	<b>SUB - TOTAL (A)</b>	<b>76,449,895</b>	<b>57,690,000</b>		<b>37,040,300</b>	

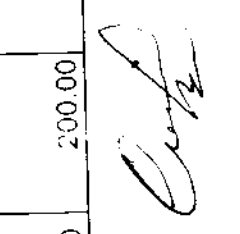
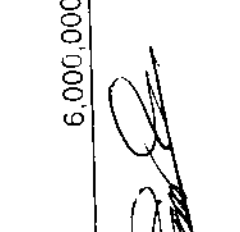
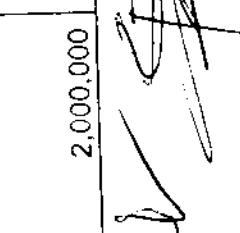
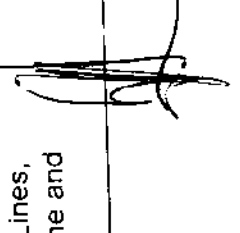
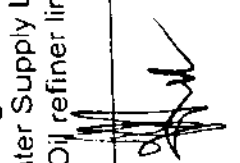




**CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD,  
SITE, KARACHI**

**ENGINEER'S ESTIMATE  
BILL NO. 5: GENERAL WORKS**

Sr.No.	ITEMS OF WORKS	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above /	M/s. S.K.B	% Above /
	(e) Toyota Corolla 1.6 Gli Automatic with AC Model 2014 or equivalent.	2,644,830	2,000,000	-24.38	2,000,000	-24.38
	(f) Suzuki Bolan VX EURO II Petrol Engine with AC Model 2014 or equivalent.	2,888,700	4,200,000	45.39	4,200,000	45.39
	(g) Motorbike Honda CD 70 Petrol Engine Model 2014 or equivalent.	201,000	180,000	-10.45	200,000	-0.50
6	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(a).	4,817,160	4,500,000	-6.58	3,600,000	-25.27
7	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(b).	3,970,800	3,600,000	-9.34	3,600,000	-9.34
8	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(c).	3,970,800	3,240,000	-18.40	3,600,000	-9.34
9	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(d).	15,883,200	12,960,000	-18.40	14,400,000	-9.34
10	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(e).	3,970,800	3,240,000	-18.40	3,600,000	-9.34
11	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(f).	11,912,400	9,720,000	-18.40	10,800,000	-9.34
12	Maintenance of vehicles including Driver and P.O.L provided under item No. 2/8(g).	1,704,240	2,160,000	26.74	864,000	-49.30
13	Location and protection of all public utility services encountered with in the works during the contract period including Telephone Cables, Water Supply Lines, Sewers, Drains, Gas Pipelines, Oil refiner line and Power Cables.	2,000,000	6,000,000	200.00	1,000,000	-50.00

14	Provisional sum for payment to utility agencies for relocation and / or their supervision charges where required.	1,000,000	1,000,000	0.00	1,000,000	0.00
	<b>SUB - TOTAL (B)</b>	54,963,930	52,800,000	-3.94	48,864,000	-11.10
	<b>ENGINEER'S ESTIMATE</b>		<b>M/S. PAK OASIS IND.</b>		<b>M/s. S.K.B</b>	
		76,449,895	57,690,000		37,040,300	
	<b>SUB - TOTAL (A)</b>	54,963,930	52,800,000		48,864,000	
	<b>SUB - TOTAL (B)</b>	131,413,825	110,490,000		85,904,300	
	<b>GRAND TOTAL:</b>					


**CONTRACT PACKAGE TP-I UPGRADE AND EXPANSION OF SEWAGE TREATMENT PLANT AT**

**HAROONABAD, SITE, KARACHI**




**CONTRACT PACKAGE TP-I**

**ENGINEER'S ESTIMATE**

**SCHEDULE OF DAY WORKS**

**SUMMARY**

SR.NO.	TITLE	ENGINEER'S ESTIMATE	M/S: PAK OASIS IND.	% Above / Below	M/s. S.K.B	% Above / Below
1	Total for Daywork: Labour	1,124,500	2,200,000	95.64	1,047,800	-6.82
2	Total for Daywork: Material	8,617,709	22,000,000	155.29	23,426,000	171.84
3	Total for Daywork: Construction Plants	5,655,000	14,000,000	147.57	2,184,000	-61.38
	Total for Dayworks	15,397,209	38,200,000	148.10	26,657,800	73.13

**CONTRACT PACKAGE TP-I UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT  
HAROONABAD, SITE, KARACHI**



**ENGINEER'S ESTIMATE**

Bill No.7 (Operation and Maintenance)

Operation service for the Works (for specified Operation Service Period)

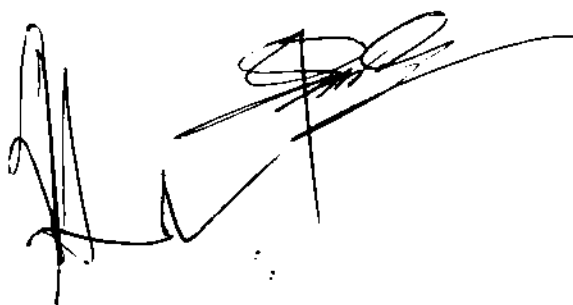
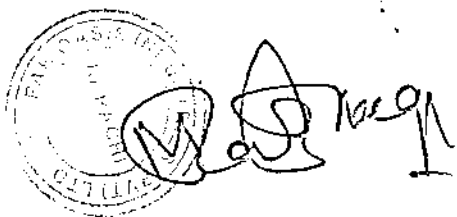
Sr. No.	Item Description	ENGINEER'S ESTIMATE	M/S. PAK OASIS IND.	% Above / Below	M/s. S.K.B	% Above / Below
1	Providing Operation and Maintenance Services for the Works, for specified Operation Service period of 365 days, complete in all respects, in accordance with the Contract, including charges of electricity and other utilities.	321,720,000	8,400,000	-97.39	8,400,000	-97.39
	Total for Operation and Maintenance	321,720,000	8,400,000	-97.39	1,047,800	-99.67

Note : The rate of electricity taken at Rs.17.0 per KW



# BILL OF QUANTITIES

STP-1

A large, stylized handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.A circular stamp with the text "PAID TO ORDER" and "MAY 11 1961" is partially visible on the left. To its right is a handwritten signature in black ink, appearing to be "W. S. [unclear]".A handwritten signature in black ink, possibly "W. S. [unclear]", is written over a rectangular stamp. The stamp contains some illegible text, possibly including "PAID TO ORDER" and a date.



**CONTRACT PACKAGE TP-I: UPGRADATION AND EXPANSION OF SEWAGE  
TREATMENT PLANT AT HAROONABAD, SITE - KARACHI**

**CONTRACT PACKAGE TP-I**

**BILL OF QUANTITIES**

**SUMMARY**

BILL NR	TITLE	AMOUNT
1	CIVIL WORKS <i>2225,188,500/-</i>	2,216,970,702/-
2	CIVIL RESTORATION WORKS	43,454,828/-
3	ELECTRICAL WORKS	458,273,500/-
4	MECHANICAL WORKS ..	827,336,000/-
5	GENERAL WORKS <i>Excl RS</i>	110,490,000/-
6	DAY WORKS	38,200,000/-
7	OPERATION AND MAINTENANCE	10,000,000/-
TOTAL 1 TO 7		3,704,725,030/-
5% PHYSICAL CONTINGENCIES FOR VARIATION/ EXTRA WORK INSTRUCTED BY THE ENGINEER.		185,236,251/-
GRAND TOTAL		3,889,961,281/-

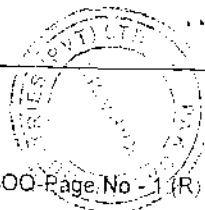
*3892240035*

Amount in Words :

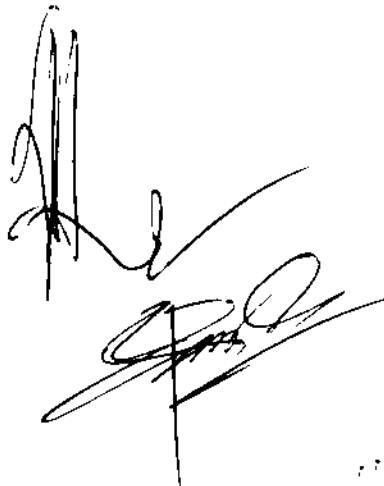
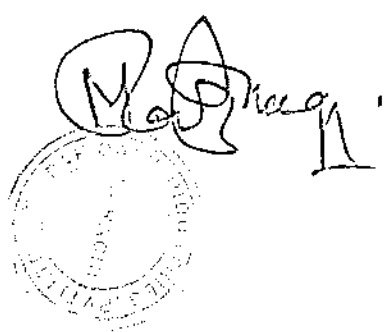
*Three Billion Eight Hundred Eighty Nine  
Million Nine Hundred Sixty One  
Thousand Two Hundred  
Eighty One Only*

Total Carried to Letter of Price Bid :

SIGNATURE OF CONTRACTOR  
*[Handwritten Signature]*  
SEAL



CIVIL WORKS

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the bottom.A handwritten signature in black ink, with a circular stamp below it. The stamp contains some illegible text and a central emblem.

**KATEEM AHMED**  
Executive Engineer  
(E&M-ASTP-III) S-III  
K.W & S.E

**SUMMARY OF COST - CIVIL WORKS (BILL No # 1)**


S. No.	TITLE	AMOUNT (RS.)
1	Geotechnical Investigation	5,100,000/-
2	Coarse Screen	24,511,396/-
3	Wastewater Pumping Station	56,680,970/-
4	Common Inlet Chamber	36,658,396/-
5	Fine Screen Chamber	18,710,120/-
6	Grit Chamber	38,171,620/-
7	Distribution Pit 01	9,173,840/-
8	Primary Sedimentation Tank	203,737,631/-
9	Junction Pit 01	4,589,195/-
10	Distribution Pit 02	12,836,029/-
11	Trickling Filters	558,891,554/-
12	Trickling Filters Collection Network	6,400,780/-
13	Junction Pit 02	2,584,523/-
14	Distribution Pit 03	6,459,963/-
15	Humus Tanks	486,697,557/-
16	Primary Sludge Pumping Room	4,230,004/-
17	Humus Sludge Pumping Room	9,747,969/-
18	Picket Fencing Thickeners	102,129,210/-
19	Thickened Sludge Pumping Room	2,160,487/-
20	Sludge Digesters	150,569,415/-
21	Digested Sludge Pumping Room	3,521,361/-
22	Sludge Drying Beds	113,036,960/-
23	Power House	15,462,970/-
24	Sub Station 01	4,293,512/-
25	Sub-Station 02	5,636,206/-
26	Sub-Station 03	4,480,140/-
27	Pipes & Fittings	228,174,930/-
28	Storm Water Drainage Network	28,152,070/-
29	Road Works	67,611,375/-
30	Junction Pit 06	2,429,455/-
31	UG & OH Water Tanks	2,877,714/-
32	UG Fuel Tank	1,253,350/-
<b>TOTAL</b>		<b>2,216,970,702/-</b>

Grand Total (in Words) Two Billion Two Hundred Sixteen Million Nine Hundred Seventy Thousand Seven Hundred Two Only

Tenderer Name Syed Muhammed Raza Naqvi

Authorized Signatures

Seal



*(Handwritten Signature)*

*(Handwritten Signature)*

**REGISTERED**  
**Executive Engineer**  
**(E&M-MSTP-III) S-III**  
**K.W & S.P.**

# CIVIL WORKS RESTORATION

NOTED  
K. V. S. S.



*[Handwritten signature]*

**SUMMARY OF COST - CIVIL RESTORATION (BILL No # 2)**

BILL OF QUANTITIES (CIVIL RESTORATION)  
 AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE-KARACHI

S. NR	TITLE	AMOUNT (Rs)
1	MECHANICAL SCREEN CHAMBER	999,501/-
2	DETRITOR	2,701,662/-
3	CHANNEL TO PST	501,956/-
4	PRIMARY SEDIMENTATION TANK	16,641,100/-
5	FINAL SEDIMENTATION TANK	6,358,900/-
6	JUNCTION PIT 182	318,700/-
7	JUNCTION PIT 384	406,200/-
8	JUNCTION PIT 586	145,200/-
9	JUNCTION PIT 788	454,200/-
10	DISTRIBUTION PIT 1	718,900/-
11	DISTRIBUTION PIT 283	1,006,300/-
12	TRICKLING FILTER	11,999,600/-
13	OUT FALL PIT 182	143,193/-
14	OUT FALL PIT 3	422,916/-
15	F-STRUCTURE 1,2,3&4	636,500/-
<b>TOTAL</b>		<b>43,454,828/-</b>

*Forty Three Million Four Hundred Fifty Four Thousand Eight Hundred Twenty Eight Only*

Grand Total (in Words)

Tenderer

Name

Authorized Signatures

Seal

SIGNATURE OF CONTRACTOR

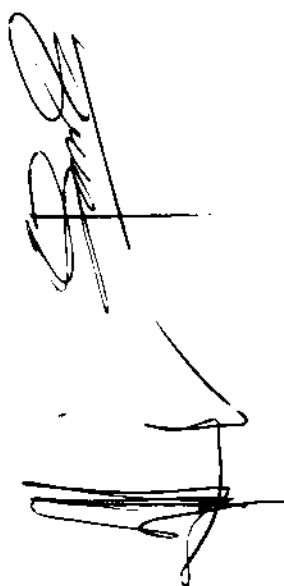
SEAL

BOQ-CIVIL RESTORATION-SUMMARY

# MECHANICAL WORKS



W. B. S. M.



1	MANUALLY CLEANED MECHANICALLY OPERATED COARSE SCREENS	25,200,000/-
2	MECHANICALLY CLEANED MECHANICALLY OPERATED RAKED TYPE FINE SCREENS	33,412,000/-
3	STANDBY MANUALLY CLEANED FINE SCREENS	7,200,000/-
4	RAW SEWAGE PUMPING STATION	132,776,000/-
5	COMMON INLET CHAMBER	4,740,000/-
6	DETRITORS	19,200,000/-
7	DISTRIBUTION PIT # 1	4,200,000/-
8	PRIMARY SEDIMENTATION TANK	93,000,000/-
9	PRIMARY SLUDGE PUMPING ROOM	25,550,000/-
10	DISTRIBUTION PIT # 2	9,600,000/-
11	TRICKLING FILTERS	122,000,000/-
12	DISTRIBUTION PIT # 3	7,000,000/-
13	HUMUS TANKS	147,000,000/-
14	HUMUS SLUDGE PUMPING ROOM	42,444,000/-
15	PICKET FENCING THICKENER	34,000,000/-
16	THICKENED SLUDGE PUMPING ROOM	10,292,000/-
17	SLUDGE DIGESTERS	60,000,000/-
18	DIGESTED SLUDGE PUMPING ROOM	15,378,000/-
19	POWER HOUSE	2,000,000/-
20	BIOGAS FLARE	10,000,000/-
21	HYDRAULIC MODELLING	8,000,000/-
22	FLOW METERS	7,200,000/-
23	SLUDGE DRYING BEDS	Grand Total 2,144,000/-

Grand Total (in Words) Eight hundred twenty seven million three hundred thirty six thousand GRAND TOTAL : 827,336,000/-

Tenderer

Name

Syed Muhammad Raza Naqvi

Authorized Signatures



Seal

BOQ-MECHANICAL-SUMMARY



# ELECTRICAL WORKS

~~NAMES ATTACHED  
Executive Engineer  
(E&M-STP-III) S-11  
K.W. & S.B.~~



The image shows a handwritten signature in black ink, which appears to be 'W. S. B.' or similar. To the right of the signature is a circular stamp. The stamp contains the text 'W. S. B.' in a stylized font, with 'K.W. & S.B.' written below it. The stamp also includes some illegible text around the perimeter, possibly 'OFFICE OF THE EXECUTIVE ENGINEER'.

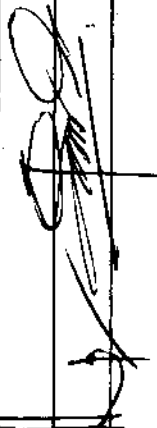



SUMMARY OF COST - ELECTRICAL WORKS (BILL No # 3)

Code No.	Description	Amount (Rupees)
01	POWER HOUSE	153,305,700/-
02	SUBSTATION-I	17,307,700/-
03	SUBSTATION-II	73,538,300/-
04	SUBSTATION-III	34,239,400/-
05	WASTEWATER PUMPING STATION	2,460,000/-
06	PRIMARY SLUDGE PUMPING ROOMS	447,700/-
07	HUMUS SLUDGE PUMPING ROOMS I I	470,000/-
08	HUMUS SLUDGE PUMPING ROOMS II	430,300/-
09	THICKENED SLUDGE PUMPING ROOM	464,000/-
10	DIGESTED SLUDGE PUMPING ROOMS	437,900/-
11	EXTERNAL AREA WORKS	175,172,500/-
Total Cost of Electrical Works :		458,273,500

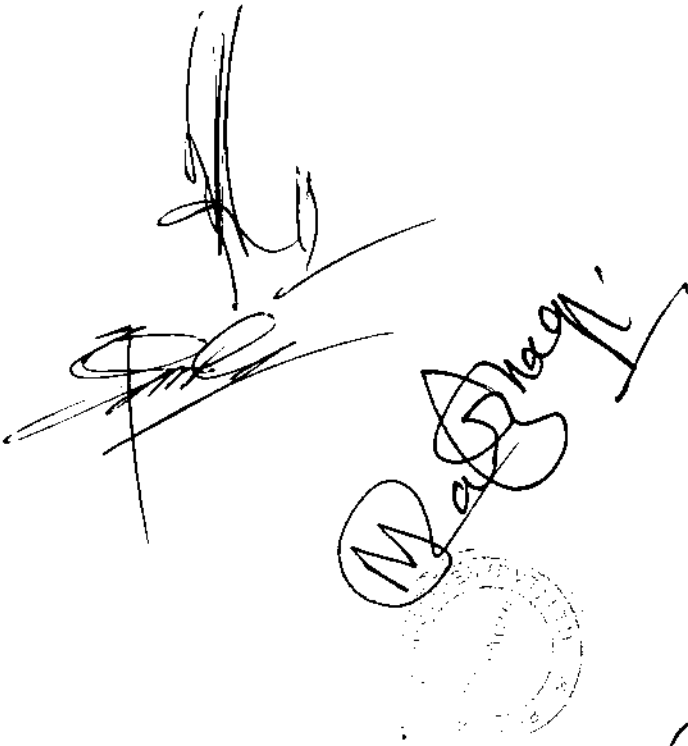
Four hundred fifty eight million two hundred seventy three thousand five hundred.

Grand Total (in Words)


Name: Syed Muhammad Raza Nagvi  
 Authorized Signatures:   
 Seal: 

NADEEM AHMED  
 Executive Engineer  
 (E&M-MSTP-III) S-III  
 K.W & S.B

# DAYWORKS



Handwritten signatures and a circular stamp. The stamp is partially obscured by a signature and contains the text "REGISTERED" and "ENGINEER".

  
KASSEM AHMED  
Executive Engineer  
(E&M-MSTP-III) S-III  
K.W & S.B

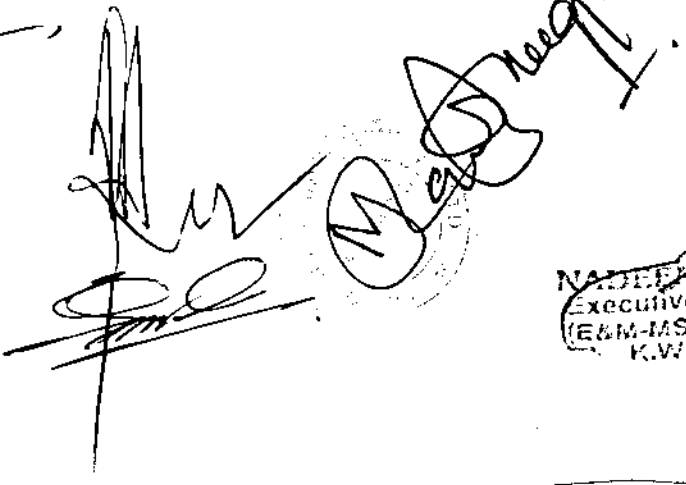
## SCHEDULE OF DAYWORK RATES

## I. Labour

Item No.	Description	Unit	Nominal Quantity	Rate (Rs) In Figure	Rate (Rs) In Words	Amount (Rs.)
1	2	3	4	5	6	7
D101	Ganger	Hr	500	225		112,500/-
D102	Labourer	Hr	5,000	150		750,000/-
D103	Plumber	Hr	500	225		112,500/-
D104	Mason / Brick Layer	Hr	500	225		112,500/-
D105	Carpenter	Hr	500	225		112,500/-
D106	Steel Work Erector	Hr	500	225		112,500/-
D107	Welder	Hr	500	225		112,500/-
D108	Driver for vehicle up to 10 tons	Hr	1,000	225		225,000/-
D109	Operator for excavator, cragline, shovel or crane	Hr	500	300		150,000/-
D110	Operator for tractor, (tracked) with dozer blade or ripper	Hr	500	300		150,000/-
	<b>Sub Total</b>					1,950,000/-
	Add percent adjustment for Contractor's overhead, profit, etc.			12.5%		250,000/-
	<b>Total for Labour Day Works (carried forward to Day Work Summary)</b>					2,200,000/-

  
Authorized Signature

Seal

  
 NADEEM AHMED  
 Executive Engineer  
 (E&M-MSTP-III) S-III  
 K.W & S.B.

## SCHEDULE OF DAYWORK RATES

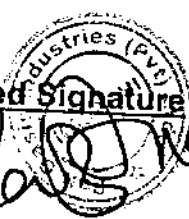
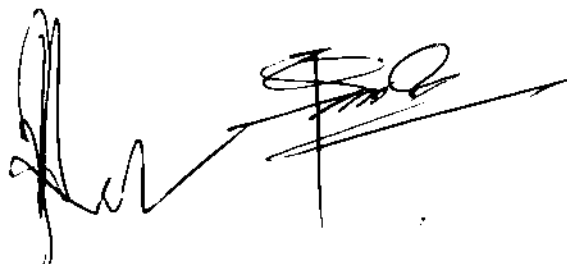
## Materials

No.	Description	Unit	Nominal Quantity	Rate (Rs) in Figure	Rate (Rs) in Words	Amount (Rs.)
1	2	3	4	5	6	7
201	Cement, ordinary Portland or equivalent in bags	M.Ton	200	16,000		3,200,000/-
202	Mild Steel reinforcing bar upto 16mm diameter to ASTM-A615 or BS 4449 or equivalent	M.Ton	100	120,000		12,000,000/-
203	Fine aggregate	Cu.M	1,000	1400		1,400,000/-
204	Coarse aggregate	Cu.M	2,000	1500		3,000,000/-
D205	Gelignite (Noble Special Gelatine 60 % or equivalent) including caps, fuse, wire and requisite accessories	M. Ton	10	50,000		500,000/-
	<b>Sub Total</b>					20,100,000/-
	Add percent adjustment for Contractor's overhead, profit, etc.					1,900,000/-
	<b>Total for Material Day Works (carried forward to Day Work Summary)</b>					<b>22,000,000/-</b>

Authorized Signature



Seal


M. A. S. KHAN  
Executive Engineer  
(E&M-MSTP-III) S-II  
ICW & S.B.

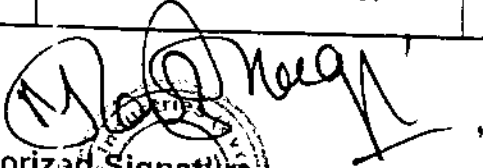
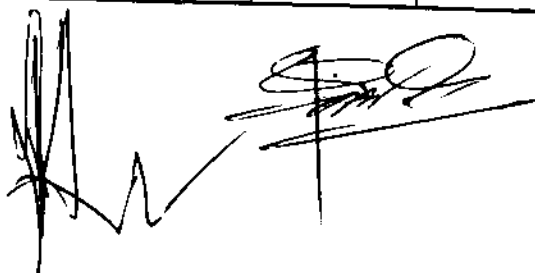


## SCHEDULE OF DAYWORK RATES

## III. Constructional Plant

Item No.	Description	Unit	Nominal Quantity	Rate (Rs.) In Figure	Rate Rs.) In Words	Amount (Rs.)
1	2	3	4		5	6
D301	Excavator ,face shovel or dragline:					
	1. Up-to and including 1 Cu.M.	Hr	500	4000		2,000,000/-
	2. Over 1 Cu.M to 2 Cu. M.	Hr	400	4000		1,600,000/-
	3. Over 2 Cu. M	Hr	100	4000		400,000/-
D302	Tractor (tracked) including bull or angle dozer:					
	1. Up-to and including 150 HP	Hr	500	6000		3,000,000/-
	2. Over 150 to 200 HP	Hr	400	6000		2,400,000/-
	3. Over 200 to 250 HP	Hr	200	6000		1,200,000/-
D303	Tractor with ripper:					
	1. Up-to and including 200 HP	Hr	400	1500		600,000/-
	2. Over 200 to 250 HP	Hr	200	1500		300,000/-
D304	Dewatering Pumps	Hr	200	2000		400,000/-
	<b>Sub Total</b>					11,900,000/-
	Add percent adjustment for Contractor's overhead, profit, etc.					2,100,000/-
	<b>Total for Constructional Plant Day Works (carried forward to Day Work Summary)</b>					14,000,000/-

Authorized Signature

Seal



  


  
**MAJID AHMED**  
 Executive Engineer  
 (EAM-MSTP-III) S-III  
 K.W & S.B

**SUMMARY – DAYWORK**

Bill No.6: Daywork

	Amount (Rs.)
Total for Daywork: Labour	2,200,000/-
Total for Daywork : Materials	22,000,000/-
Total for Daywork: Constructional Plant	14,000,000/-
<b>Total for Daywork (Carried forward to Summary Page of Bill of Quantities)</b>	<b>38,200,000/-</b>

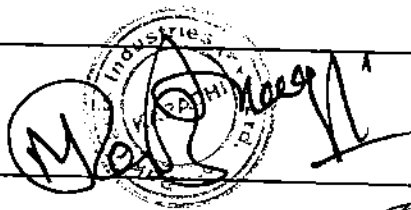
Grand Total (in Words) : Thirty eight Million Two Hundred Thousand only

Tenderer : \_\_\_\_\_

Name : \_\_\_\_\_

Authorized Signature : \_\_\_\_\_

Seal : \_\_\_\_\_



*[Handwritten signature]*



**NABEEM AHMED**  
Executive Engineer  
(E&M-MSTP-...)  
K.W & S.B

# GENERAL WORKS

*W. M. ...*

*[Handwritten signature]*

...  
...  
...  
...

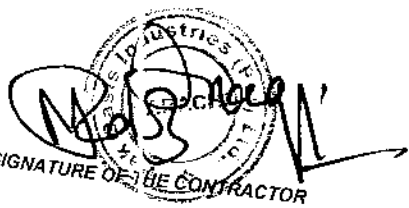


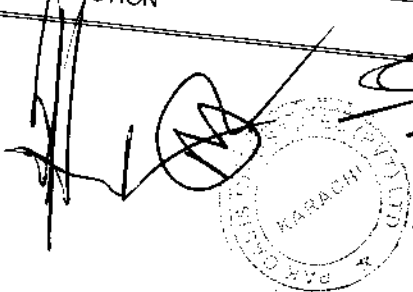
**CONTRACT PACKAGE TP-I: UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE - KARACHI**

**BILL OF QUANTITIES**

BILL NO- 5 : - GENERAL WORKS

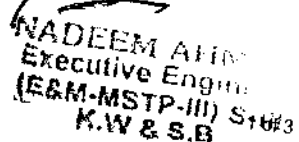
S.No.	ITEMS OF WORKS	UNIT	QUANTITY	RATE (Rs.)		AMOUNT (Rs.)
				FIGURE	WORDS	
1	Provide and maintain Temporary containerized furnished, Air conditioned Site Office ( Area minimum 200 sq.m ) with the provision of Electricity, telephone, Gas, water and drainage system including the payment of all taxes and utility bills. with separate toilet facility, all as specified or as directed by the Engineer.	month	36	225,000	Two lac twenty five thousand	8,100,000/-
2	Provide furniture, fixtures and equipment, all as specified or as directed by the Engineer, for Temporary Site Office. (The furniture, fixtures and equipment shall become property of the Employer after completion of the project).	Lump Sum	Job	750,000	Seven lac fifty thousand	750,000/-
3	Maintain all specified furniture, fixtures and office equipment alongwith regular supplies of office stationary and consumables including janitorial services of Temporary Site Office.	month	36	75,000	Seventy five thousand	2,700,000/-
4	Provide Assistance to Engineer's. Support staff as stated in specification. i) Site Office Staff ii) Survey Staff with equipment and transport. iii) Laboratory Staff with Transport.	month month month	36 36 24	390,000 300,000 300,000	Three lac ninety thousand Three lac Three lac	14,040,000/- 10,800,000/- 7,200,000/-
5	Providing, and making available at all times vehicles, including comprehensive Insurance and registration etc, for use of the Engineer and his staff and employer in accordance with the specifications and as directed by the Engineer. (The vehicle shall become property of the Employer after completion of the project ). a) Toyota VIGO CHAMP G Model 2014 or equivalent. b) Honda Civic VTi Oriol Prosmatec Transmission Model 2014 or equivalent. c) Honda City Aspire Prosmatec Petrol engine with AC Model 2013 or equivalent. d) Suzuki Cultus VXRi EURO II Petrol engine with AC Model 2014 or equivalent.	No. No. No. No.	1 1 1 4	4,000,000 2,800,000 2,500,000 1,200,000	Four million Two million eight hundred thousand Two million five hundred thousand one million two lac	4,000,000/- 2,800,000/- 2,500,000/- 4,800,000/-
CARRIED TO COLLECTION						57,690,000/-

  
SIGNATURE OF THE CONTRACTOR

  
KARACHI

SEAL

BOQ-General

  
NAHEED AFIM  
Executive Engineer  
(E&M-MSTP-III) S-1083  
K.W & S.B



**CONTRACT PACKAGE TP-I: UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE - KARACHI**

**BILL OF QUANTITIES**

B LL NO- 5 : - GENERAL WORKS

S.No.	ITEMS OF WORKS	UNIT	QUANTITY	RATE (Rs.)		AMOUNT (Rs.)
				FIGURE	WORDS	
	( e ) Toyota Corolla 1.6 GLi Automatic with AC Model 2014 or equivalent.	No.	1	2,000,000	Two million	2,000,000/-
	( f ) Suzuki Bolan VX EURO II petrol engine with AC Model 2014 or equivalent.	No.	3	1,400,000	One million four lac	4,200,000/-
	( g ) Motorbike Honda CD 70 petrol engine Model 2014 or equivalent.	No.	2	90,000	Ninety thousand	180,000/-
6	Maintenance of vehicles including Driver and P.O.L provided under item No-2/8 ( a ).	month	36	125,000	One hundred twenty five thousand	4,500,000/-
7	Maintenance of vehicles including Driver and P.C.L provided under item No-2/8 ( b ).	month	36	100,000	One lac	3,600,000/-
8	Maintenance of vehicles including Driver and P.C.L provided under item No-2/8 ( c ).	month	36	90,000	Ninety thousand	3,240,000/-
9	Maintenance of vehicles including Driver and P.O.L provided under item No-2/8 ( d ).	month	144	90,000	Ninety thousand	12,960,000/-
10	Maintenance of vehicles including Driver and P.O.L provided under item No-2/8 ( e ).	month	36	90,000	Ninety thousand	3,240,000/-
11	Maintenance of vehicles including Driver and P.O.L provided under item No-2/8 ( f ).	month	108	90,000	Ninety thousand	9,720,000/-
12	Maintenance of motorbikes including P.O.L provided under item No-2/8 ( g ).	month	72	30,000	Thirty thousand	2,160,000/-
13	Location and protection of all public utility services encountered with in the works during the contract period including Telephone Cables, Water supply Lines, Sewers, Drains, Gas pipe lines, Oil refiner line and Power Cables	Job	Lump-Sum	6,000,000	Six million	6,000,000/-
14	Provisional Sum for payment to Utility Agencies for Re-location and / or their supervision charges when Required.	Provisional-Sum		1,000,000	One million	1,000,000
<b>CARRIED TO COLLECTION</b>						<b>52,800,000/-</b>

52,800,000

  
SIGNATURE OF THE CONTRACTOR

  
**NAHEED AHMED**  
Executive Engineer  
I.E.M.-MSTP-2 of 3  
K.W & S.B.

SEAL

BOQ-General

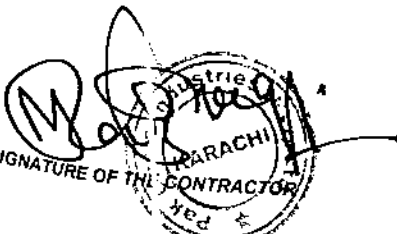
CONTRACT PACKAGE TP-I: UPGRADATION AND EXPANSION OF SEWAGE TREATMENT PLANT AT HAROONABAD, SITE - KARACHI

BILL OF QUANTITIES

BILL NO- 5 : - GENERAL WORKS


S.No.	PAGE NO	AMOUNT
1	PAGE NO - 1	57,690,000/-
2	PAGE NO - 2	53,800,000/-
CARRIED TO BOQ SUMMARY		111,490,000/-
		110,490,000/-

One Hundred Ten Million Four Hundred Ninety Thousand Only

  
 SIGNATURE OF THE CONTRACTOR

EAL

BOQ-General

  
 NADEEM AHMED  
 Executive Engineer  
 (E&M-MSTP-III) S-III  
 K.W & S.B