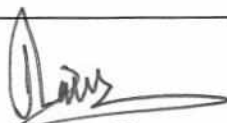


KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Bid Evaluation Report

1. Name of Procuring Agency: Karachi Water and Sewerage Board
2. Tender Reference No: 32488
3. Tender Description / Name of work / item: Package 01: Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch
4. Method of Procurement: Single Stage One envelop System(National Compatative Bidding (NCB)
5. Tender Published: Notice inviting Tender (NIT) issued to Prequalified Contracting Firms / J.Vs on 10-11-2017
 - a. NIT Ref: No.KW&SB/PD/65 MGD/2017/26 dated 10-11-2017
 - b. Print & Electronic Media SPPRA Sr. No. 32488.
6. Total Bid Documents Sold: 04 (Four) Bid Documents were sold to the four pre-qualified firms
7. Total Bids Received: Three (03)
8. Bid Opening date: (if applicable) December 22, 2017
9. No. of Bids qualified (if applicable): 03 (three)
10. Bid(s) Rejected: NiL

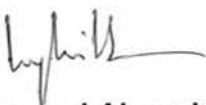

D A D

11. Bid Evaluation Report:

S No	Name of Firm of Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost	Reasons for acceptance / rejection	Remarks
1	2	3	4	5	6	
1	M/s. National Logistic Board and Cell	Rs. 2,098,464,530/-	1 st	12.56% above from Engineer's Estimate	Accepted being Responsive. Pay Order & required Documents are submitted by the bidder	Lowest Evaluated Bid
2	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with Shahrugh Engineers and Contractors.	Rs. 2,458,208,000/-	2 nd	31.86% above from Engineer's Estimate	Accepted being Responsive. Pay Order & required Documents are submitted by the bidder	-
3	M/s. Haji Sirajuddin Soomro.	Rs. 2,963,602,373/-	3 rd	58.97% above from Engineer's Estimate	Accepted being Responsive. Pay Order & required Documents are submitted by the bidder	-



Saleem Ahmed
 Executive Engineer (D&E),
 KW&SB
 Member / Secretary


Iqbal Palejo
 Executive Engineer (65
 MGD Project), KW&SB
 Member


Maqsood Ahmed Shaikh
 Superintending Engineer (Civ)
 Karachi Metropolitan
 Corporation Member


Tariq Ansari
 Executive Engr. (E&M),
 Karachi Metropolitan
 Corporation Member


Intekhab Ahmed Rajput
 Project Manager
 (Dhabeji), KW&SB
 Co-Opt. Member


Mr. Abdul Rawoof
 Senior Engineer
 M/s. EA Consult. Pvt. Ltd
 Co-Opt. Member


Ghulam Qadir Abbas
 Chief Engineer (BT&D), KW&SB
 Convener



KARACHI WATER & SEWERAGE BOARD

Office of the Secretary (Procurement Committee) Additional 65 MGD Water Supply Scheme From Haleji to Pipri, Karachi

9th Mile Karsaz, Shahrah-e-Faisal, Karachi, Block-B, KW&SB Tel No. +92-21-99245132

No. KW&SB/Secy/PC/65MGD/2018/ 12

Dated: 22nd December, 2018

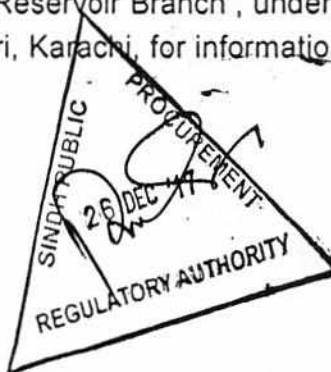
To,

1. Mr. Ghulam Qadir (Convener)
Chief Engineer (BT&D), KW&SB
2. Mr. Iqbal Palejo Member
Executive Engineer (65 MGD Project), KW&SB
3. Mr. Maqsood Ahmed Shaikh Member
Superintending Engr. (C) Engineering Deptt, KMC
(Representative of K.M.C)
4. Mr. Tariq Ansari Member
Executive Engr. (E&M), Engg. Deptt. KMC
(Representative of KMC)
5. Mr. Intekhab Ahmed Rajput Co-opt.
Project Manager (Dhabeji), KW&SB Member
6. Mr. Abdul Rawoof Co-Opt.
Member

SUB: Minutes of Bid Opening in respect of Package # 1 "Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station including Revival of Haleji Lake and Remodeling of Reservoir Branch", under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Enclosed please find herewith the Minutes of Meeting held on 22nd of December, 2017 in the Committee Room of Managing Director's Secretariat, Block-D, 9th Mile Karsaz, KW&SB, regarding Bid Opening of Package No. 01, "Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station including Revival of Haleji Lake and Remodeling of Reservoir Branch", under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi, for information please.

Encl: As above




SECRETARY
(Procurement Committee)
65 MGD Project, KW&SB

Copy to :-

M/s. SPPRA

KARACHI WATER & SEWERAGE BOARD

SUBMISSION / OPENING OF BIDS

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

PACKAGE # 01

"Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodeling of Reservoir Branch"

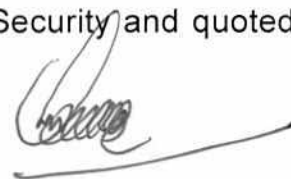
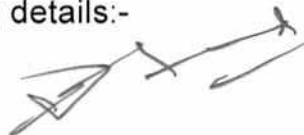
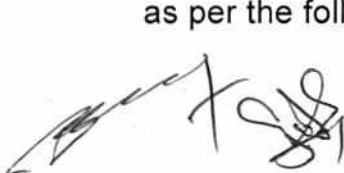
MINUTES OF THE MEETING

Opening of Bids submitted by the Prequalified Contracting Firms & Joint Ventures for (Package # 01) "Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodeling of Reservoir Branch" under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi was held on Friday, the 22nd of December 2017 in the Committee Room, of Managing Director Secretariat, Block-D 9th Mile KW&SB.

The list of participants is attached as Annexure – A.

The meeting started with the recitation of a verse of the Holy Quran. Afterwards, the Convener of Procurement Committee welcomed the participants of the meeting.

Later on the sealed Bids submitted by the Prequalified Contracting Firms / Joint Ventures were shown to the Procurement Committee members and representatives of the participating Contracting Firms / J.Vs and were accordingly opened / unsealed. Out of the Four prequalified Firms / J.V three prequalified Firms submitted the Bids which were opened / unsealed publically announcing the details of their Bid Security and quoted Bid Price. as per the following details:-




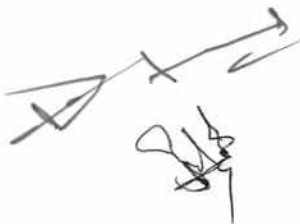
Sr. #	Name of Contracting Firm / Joint Venture	Bid Security / Bank Branch	Announced Bid Price
01	M/s. Haji Sirajuddin Soomro	Rs. 60,000,000 M/s. Bank Al-Habib, Main Branch, Saddar, Hyderabad Expiry: 21-4-2018	Rs. 2,989,990,665
02	M/s. Sardar Muhammad Ashraf D. Baloch Pvt Ltd. In Association with M/s. Shahrukh Engineers & Contractor (JV)	Rs. 60,000,000 M/s. The Bank of Punjab, DHA Branch, Karachi Expiry: 20-05-2018	Rs. 2,997,473,431 Rebate (Lump Sum) Rs. 652,473,431
Total (After Rebate)			Rs. 2,345,000,000
03	M/s. National Logistic Board & Cell	Rs. 50,000,000 M/s. Askari Bank Ltd. AWT Plaza Branch, The Mall Road, Saddar, Rawalpindi Expiry: 05-05-2018	Rs. 2,480,546,506.59 Rebate (15%) Rs. 372,081,975.98
Total (After Rebate)			Rs. 2,108,464,530.61

The Original Bids of the three Contracting Firms / J.Vs were than duly signed by all Members of the Procurement Committee.

The unsealed and duly signed Bids in Original along with One Copy submitted by the three Contracting Firms / J.V were Handed Over to the Secretary of Procurement Committee, to start the Evaluation Process of the Bids for the Selection of Contracting Firm / J.V for Package 01 of the 65 MGD Project.

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


M. A. RAOUF
EA Consulting (Pvt) Ltd







SUBMISSION / OPENING OF BID

22nd December 2017

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

PACKAGE # 01

“Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodeling of Reservoir Branch”

LIST OF PARTICIPANTS

Procurement Committee

- | | |
|-------------------------------------------------------------------------------------------------------------|-----------------------|
| 1. Mr. Ghulam Qadir
Chief Engineer (BT&D), KW&SB | (Convener) |
| 2. Mr. Iqbal Palejo
Executive Engineer (65 MGD Project), KW&SB | Member |
| 3. Mr. Saleem Ahmed
Executive Engineer (Design), KW&SB | Member /
Secretary |
| 4. Mr. Maqsood Ahmed Shaikh
Superintending Engr. (C) Engineering Deptt, KMC
(Representative of K.M.C) | Member |
| 5. Mr. Tariq Ansari
Executive Engr. (E&M), Engineering
Deptt. KMC (Representative of KMC) | Member |
| 6. Mr. Intekhab Ahmed Rajput
Project Manager (Dhabeji), KW&SB | Co-opt.
Member |
| 7. Mr. Abdul Rawoof | Co-Opt.
Member |

Contractor's Representative

M/s. Sardar Muhammad Ashraf D. Baloch

- | | |
|----------------------------|-------------------|
| 1. Mr. Iqbaluddin Siddiqui | Project Officer |
| 2. Mr. Irfan Haider | Quantity Surveyor |

M/s. National Logistic Board & Cell

- | | |
|------------------------------|-------------------|
| 1. Lt. Col. (Ret) Ijaz Ahmed | Sr. Manager |
| 2. Mr. Tauqeer Khan | Quantity Surveyor |

M/s. Haji Sirajuddin Soomro

- | | |
|---------------------------|-------------------|
| 1. Mr. Mirza Ibn-e-Hassan | Director Projects |
|---------------------------|-------------------|

KARACHI WATER AND SEWERAGE BOARD



Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

PACKAGE 01

**Construction of RCC Lined Canal and RCC Conduit from
Haleji to Gharo Pumping Station, including Revival of Haleji
Lake and Remodelling of Reservoir Branch**

BID EVALUATION REPORT



KARACHI WATER AND SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

PACKAGE 01

Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch

BID EVALUATION REPORT

1.0 INTRODUCTION

Karachi city with an ever increasing commercial growth and population is continuously suffering from water shortages issues due to limited availability of bulk water on one hand and out dated water conveyance network on the other hand, thereby limiting the supply of additional bulk water to the city.

In order to deal with the above state of affairs in a comprehensive manner the Karachi Water & Sewerage Board (KW&SB) conceived a scheme that aims to utilize the available balance capacity of 65 MGD water out of the approved water quota of 650 MGD from the Indus source. The Project will be constructed in the eastern part of Karachi Division and Thatta District. The Bulk Water will be brought through Haleji Lake to Pipri via an integrated system of Conduits, Pipelines, Rising Mains, Pumping Station and necessary associated works.

This Project is a Public Service Social Development Project and increase in water supply to the city through this Project will result in improvement of Environment, Hygiene, Public Health and minimize water shortage currently experienced by the city.

This Tender Evaluation Report pertains to PACKAGE 01 "Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch."

2.0 BIDDING PROCESS

The Bids were invited from four (04) Prequalified Contractors of Group – A Works under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi, on the basis of Lowest Evaluated Responsive Bid (LERB).



2.1 Number of firms to whom Tender documents were sold

Tender documents were sold to the following four (04) prequalified Contracting firms / JVs as named below.

1. M/s. Habib Rafiq Pvt. Ltd.
2. M/s. Haji Sirajuddin Soomro.
3. M/s. National Logistic Board and Cell
4. M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd.
In association with
Shahrukh Engineers and Contractors.

2.2 Addendum issued

In accordance with Clause IB.9 of Instructions to Bidders, Addendum No. 1 was issued.

3.0 BID SUBMISSION & OPENING

3.1 Bid Submission Deadline

The deadline for submission of Bids was fixed as 06-12-2017, which was extended as 22-12-2017 and the tenders were opened on the same day by the Procurement Committee formulated for the purpose.

3.2 Bid Opening

Out of four issued Bid Documents, three Bids were received and opened by the Procurement Committee on 22-12-2017 at 14:30 Hrs. in the presence of the representatives of the prospective bidders, the following firms submitted their bids.

1. M/s. National Logistic Board and Cell
2. M/s. Haji Sirajuddin Soomro.
3. M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd.
In association with
Shahrukh Engineers and Contractors.

3.3 Bid Validity Period

According to terms and conditions of the contract the validity period of bid was fixed as 90 days from the deadline for submission of bids.

3.4 Bid Prices Announced

The bid prices were announced in the presence of the representatives of the prospective bidders.



The Summary of announced price is given in table 4 and is also indicated herein.

S. No.	TENDER	AMOUNT
1	M/s. National Logistic Board and Cell	Rs. 2,480,546,506.59/=
		15 % Rebate
		Rs. 2,108,464,530.60/=
2	M/s. Haji Sirajuddin Soomro.	Rs. 2,989,990,665/=
3	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with Shahrukh Engineers and Contractors.	Rs. 2,997,473,431/=
		Rebate Amount Rs. 652,473,431/=
		Rs. 2,345,000,000/=

4.0 PRELIMINARY EXAMINATION OF TENDERS

The preliminary examination of bids 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

1. Is the bid properly signed (IB-26.3)
2. If the bidders are a joint venture, agreement is submitted. (IB 11.2)
3. Documentary authority for signing the bid is enclosed (11.1 a)

b) Eligibility

1. Is the bidder has been pre-qualified.
2. Is the bidder affiliated with a firm that has provided related consulting service.

c) Bid Security

1. Is the required bid security submitted?
2. Validity of Bid Security upto required period.

d) Substantial Responsiveness to Tender requirements

Is the Bids 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 effect unfairly the competitive positions of the other tenderers presenting substantially responsive tenders.

The results of this examination are presented in table-5 and are described and commented here-under about the status of each bidders.

4.1 M/s. National Logistic Board and Cell

a) Verification

1. The Bid is properly signed and stamped alongwith properly filled Form of Bid.
2. N.A
3. Documentary evidence of authority to sign the bid is attached.

b) Eligible

1. The Bidder has been prequalified and eligible to participate in the Tender.
2. No.

c) Bid Security

They have submitted Bid Security in shape of a Bank Guarantee from Askari Bank Limited, AWT Plaza Branch, Mall Road Saddar Rawalpindi, amounting to Rs. 50,000,000/=, having date of issue 04-12-2017. The Bid Security is 2.37% of the announced Bid Price.

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.

4.2 M/s. Haji Sirajuddin Soomro.

a) Verification

1. The Bid is properly signed and stamped alongwith properly filled Form of Bid.
2. N.A
3. Documentary evidence of authority to sign the bid is attached.

b) Eligible

4. The Bidder has been prequalified and eligible to participate in the Tender.
5. No.



c) **Bid Security**

They have submitted Bid Security in shape of a Bank Guarantee from Bank Al Habib Limited, Main Branch, Saddar Hyderabad, amounting to Rs. 60,000,000/=, having date of issue 22-12-2017. The Bid Security is 2.006% of the announced Bid Price.

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.

4.3 **M/s. Sardar Mohammad Ashraf D. Baloch – M/s. Shahrukh Engineers and Contractors Pvt. Ltd. (J.V)**

a) **Verification**

1. The Bid is properly signed and stamped alongwith properly filled Form of Bid.
2. The Bidders are a Joint Venture and J.V Agreement is attached.
3. Documentary evidence of authority to sign the bid is attached.

b) **Eligible**

4. The Bidder has been prequalified and eligible to participate in the Tender.
5. No.

c) **Bid Security**

They have submitted Bid Security in shape of a Bank Guarantee from Bank of Punjab, Trade Processing Centre, D.H.A Karachi, amounting to Rs. 60,000,000/=, having date of issue 21-12-2017. The Bid Security is 2.558% of the announced Bid Price.

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.

5.0 **DETAILED EXAMINATION OF TENDER**

5.1 **Arithmetical Check**

The Bill of quantities of each substantially responsive bidder has been checked arithmetically and 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) has been made and is presented in Annexure –1 of this report. A summary of Comparative study is reflected in Table 8.

It will be seen from this table that:

- ◆ M/s. National Logistic Board and Cell has quoted a total price of Rs. 2098,464,530/= which is 12.56% above the Engineer's Estimate.

Since M/s. National Logistic Board and Cell has secured the 1st lowest evaluated position at 12.56% above the Engineers Estimate, their quoted rates for the items of work, which make the significant financial impact, have been examined in detail.

1. *Procurement of weed cutting Machine Bill No. 05-A Part-C Item No. 23 the bidder has quoted the rate which is on average 97% below the Engineer's estimate making a financial difference of (Rs. 7,760,000/-).*
2. *Providing and fixing MS. Puddle flange of the following dia meter complete in all respect as per drawing and as directed by the Engineer (1500mm dia) Bill No. 4 Part-B Item No. 11.1 the bidder has quoted the rate which is on average 328% above the Engineer's estimate making a financial difference of (Rs. 10,350,000/-).*
3. *Providing, Fixing, testing & commissioning of Ductile Iron Body Butterfly Valve with Flange End as per Design Standard BS 5155 in compliance with DIN 3202/API 594 having Nominal Pressure PN-16 Class 150 S.S Disc Gear operated & Galvanized Steel Bolts & Nuts including cost of Rubber Gas Kit/ Rubber packing & Labour complete in all respect as per specifications & as directed by the Engineer/Incharge. Bill No. 1 Part-C Item No. 19 the bidder has quoted the rate which is on average 165% above the Engineer's estimate making a financial difference of (Rs. 8,655,007/-).*

6.0 DETERMINATION OF AWARD

In view of position as stated in this report, the lowest evaluated Bid of M/s. National Logistic Board & Cell can be considered for acceptance as recommended below.

7.0 RECOMMENDATIONS

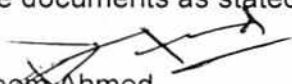
The Bid offered by M/s. National Logistic Board and Cell can be considered for award of the Contract subject to the acceptance of the conditions by the bidders as set out below. The price quoted by **M/s. National Logistic Board and Cell** is **Rs. 2098,464,530/=** and is **12.56%** above the Engineer's Estimate and being the lowest they may be awarded the Contract.

Before a final decision is taken in this regard, following clarifications are required:


1. The Bidder shall be asked the names & titles of his technical staff such as Project Manager, Site Engineer, Surveyor & Quantity Surveyor to be deployed on this particular project.
2. An assurance is also required that the bidder possesses the adequate Financial resources and should ensure that the progress of work will not suffer due to Financial constraints or non-availability of Material, Machinery and Equipments.
3. The Bidder shall submit the Rate Analysis / Quotation required for the items as detailed in 5.2 above.


8. CONCLUSION

The recommendations made in this report are subject to furnishing the requisite documents as stated under Para 7(1, 2, 3) above.



Saleem Ahmed
Executive Engineer (D&E), KW&SB
Member / Secretary


Maqsood Ahmed Shaikh
Superintending Engineer (Civ) KMC
Member


Intekhab Ahmed Rajput
Project Manager (Dhabeji), KW&SB
Co-Opt. Member


Iqbal Palejo
Executive Engr. (65 MGD Project),
KW&SB Member


Tariq Ansari
Executive Engr. (E&M), KMC
Member


Mr. Abdul Rawoof
Sr. Engineer M/s. EA Consult. Pvt. Ltd
Co-Opt. Member


Ghulam Qadir Abbass
Chief Engineer (BT&D), KW&SB
Convener

Table 1. IDENTIFICATION

1.1 Name of Project	Additional 65 MGD Water Supply Scheme from Haleji to Pipri Karachi
1.2 Employer (a) Name (b) Address	(a) Karachi Water & Sewerage Board (b) Block C, 9th Mile Office, Shakra-e-Faisal, Karachi
1.3 Contract number (identifications)	Package – 1
1.4 Contract description	Construction of R.C.C Lined Canal and R.C.C Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodeling of Reservoir Branch
1.5 Engineer's Cost Estimate(s)	Rs. 1874,242,531/=
1.6 Method of procurement (check one)	ICB _____ LCB <input checked="" type="checkbox"/> Other
1.7 Fixed price contract	Yes _____ No <input checked="" type="checkbox"/>

Table 2. Bidding Process

2.1	Prequalification, carried out (a) Number of firms prequalified	Four (04)
2.2	Procurement / Tender Notice (a) Name of national newspaper (b) Issue date (c) Number of individual firms notified	In accordance with Clause 28 (1) (C) of SPPRA Rules 2010, NIT issued to Prequalified Contractors/J.V's. 10 th November, 2017 Four (04)
2.3	Standard Bidding Document (a) Title, publication date (b) Date of issue to bidders	10 th November, 2017 15 th November, 2017
2.4	Number of firms to whom document issued	Four (04)
2.5	Amendments to documents, if any (a) list all amendments	Addendum No. 01 was issued to the Prequalified Contractors.
2.6	Date of Pre-bid conference, if any	24 th November, 2017
2.7	Date of minutes of conference sent to bidders	30 th November, 2017

Table 3. Bid Submission and Opening

3.1 Bid submission deadline	
(a) original date, time	06 th December, 2017, 2:00 PM.
(b) extensions, if any	22 nd December, 2017, 2:00 PM.
3.2 Bid opening date, time (Actual)	22 nd December, 2017, 2:30 PM.
3.3 Number of bids submitted	Three (03)
3.4 Bid validity period (days, weeks or months)	
(a) originally specified	90 Days from the date of Opening of Tender.
(b) extensions, if any	Nil.

Table 4. Summary of Bid Prices (as Read Out)

S.No.	Bidder Identification	Read-out Bid Prices (Pak Rupees)		Modifications or Comments
	Bidder Identification	Amount Rs.	Rebate/premium if any	
	(a)	(b)	(c)	
1	M/s. National Logistic Board and Cell	Rs. 2,480,546,506.59/=	15 % Rebate	Rs. 2,108,464,530.60/=
2	M/s. Haji Sirajuddin Soomro.	Rs. 2,989,990,665/=	Nil	Nil
3	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with M/s. Shahrukh Engineers and Contractors.	Rs. 2,997,473,431/=	Rebate Amount Rs.652,473,431/=	Rs. 2,345,000,000/=


DAD

Table 5. Preliminary Examination

Bidder	Verification 1. Properly signed 2. Joint Venture Agreement submitted. 3. Evidence of Authority to Sign.	Eligibility 1. Prequalified 2. Affiliated with a consulting services firm	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)	(f)	(g)
M/s. National Logistic Board and Cell	1. Yes 2. N.A 3. Yes	1. Yes 2. No	Bank Guarantee for Rs. 50,000,000/=	Found No Material Deviation or Reservations.	Yes
M/s. Haji Sirajuddin Soomro.	1. Yes 2. N.A 3. Yes	1. Yes 2. No	Bank Guarantee for Rs. 60,000,000/=	Found No Material Deviation or Reservations.	Yes
M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with M/s. Shahrukh Engineers and Contractors.	1. Yes 2. Yes 3. Yes	1. Yes 2. No	Bank Guarantee for Rs. 60,000,000/=	Found No Material Deviation or Reservations.	Yes


DAO

Table 6. Corrections and Unconditional Discounts

Sr. No	Bidder	Read-out Bid Price(s)		
		Amount(s) Rs.	Discount/Premium if any	Amount after discount/premium Rs.
	(a)	(b)	(c)	(d)
1.	M/s. National Logistic Board and Cell	Rs. 2,480,546,506.59/=	15 % Rebate	Rs. 2,108,464,530.61/=
2.	M/s. Haji Sirajuddin Soomro.	Rs. 2,989,990,665/=	Nil	Rs. 2,989,990,665/=
3.	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with M/s. Shahrukh Engineers and Contractors.	Rs. 2,997,473,431/=	Rebate Amount Rs.652,473,431/=	Rs. 2,345,000,000/=


DAD

Table 7. Additions, Adjustments, and Priced DeviationsSpecify Evaluation Currency: Pak Rupees

S. 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. National Logistic Board and Cell	Rs. 2108,464,530.61 (i/c Provisional Sum of Rs. 10,000,000/=)	Nil	Nil	Nil	Rs. 2108,464,530.61
2.	M/s. Haji Sirajuddin Soomro.	Rs. 2973,602,373.68/= (i/c Provisional Sum of Rs. 10,000,000/=)	Nil	Nil	Nil	Rs. 2973,602,373.68
3.	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with M/s. Shahrukh Engineers and Contractors.	Rs. 2468,208,000/= (i/c Provisional Sum of Rs. 10,000,000/=)	Nil	Nil	Nil	Rs. 2468,208,000/=

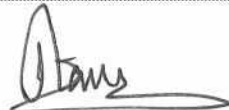

DAO

TABLE - 8 : SUMMARY OF COMPARATIVE COST

(Excluding Provisional Sum and Contingencies)

SR. NO.	NAME OF CONTRACTOR	COST AS PER ENGINEER'S ESTIMATE LESS PROVISIONAL SUM & CONTINGENCIES	QUOTED PRICE (Rs.) BY CONTRACTOR INCLUDING DISCOUNT/REBATE	QUOTED PRICE (Rs.) BY CONTRACTOR LESS REBATE(IF ANY), PROVISIONAL SUM & CONTINGENCIES	DIFFERENCE B/W ENGINEER'S ESTIMATE (Rs.)	
					AMOUNT (Rs.)	%
		A	b	C	d = c-a	e = (d/a)x100
1	M/s. National Logistic Board and Cell	Rs. 1,864,242,531.01	Rs. 2,480,546,506.59	Rs. 2,098,464,530.61	Rs. 234,255,437.98	12.5659%
2	M/s. Haji Sirajuddin Soomro.	Rs. 1,864,242,531.01	Rs. 2,973,602,373/=	Rs. 2,963,602,373/=	Rs.1099,393,280.37	58.9737%
3	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with M/s. Shahrukh Engineers and Contractors.	Rs. 1,864,242,531.01	Rs. 3120,681,431/=	Rs. 2458,208,000/=	Rs. 593,998,807.37	31.8633%


 JAO



KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 12-01-2018

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 12/01/2018
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
8.			
9.			



KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 11-01-2018

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 11/01/2018
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt.Ltd.	
8.			
9.			



KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 10-01-2018

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 10/01/2018
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	 10/01/18
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
8.			
9.			



KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 09-01-2018

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 09/01/2018
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
8.			
9.			



KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 08-01-2018

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
8.			
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KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 05-01-2018

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 05/01/2018
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
8.			
9.			



KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 04-01-2018

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 04/01/2018
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
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KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 03-01-2018

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 03/01/2018
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
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KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 02-01-2018

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 02/01/2018
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	 02/01/18
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
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KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 01-01-2018

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 01/01/2018
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
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KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 29-12-2017

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 29/12/2017
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
8.			
9.			



KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 28-12-2017

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 28/12/2017
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
8.			
9.			



KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Package "01"

Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch"

ATTENDANCE SHEET

Dated - 27-12-2017

S#	Name	Designation	Signature/ Contact No
1.	Mr. Ghulam Qadir Abbas	Chief Engineer BT&D, KW&SB	
2.	Mr. Intekhab Ahmed Rajput	Project Manager (Dhabeji), KW&SB	 27/12/2017
3.	Mr. Iqbal Palejo	Executive Engineer (65 MGD Project), KW&SB	 27/12/17
4.	Mr. Saleem Ahmed	Executive Engineer (D&E), KW&SB	
5.	Mr. Maqsood Ahmed Shaikh	S.E (Civil) (Representative of K.M.C)	
6.	Mr. Tariq Ansari	Executive Engr. (E&M), (Representative of KMC)	
7.	Mr. Abdul Rawoof	Sr. Engineer M/s E.A Consulting Pvt. Ltd.	
8.			
9.			



No. A.D(A)//SPPRA/(35245)/2017/ 7087
GOVERNMENT OF SINDH

SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY

Karachi, dated the 31 January, 2018

To,

The Executive Engineer
65 MGD Project
Karachi Water & Sewerage Board
9th Mile Karsaz Block-B Shahra-e-Faisal
Karachi.

Subject: NIT NO. KW&SB /EE/65MGD/201/69, DATED 13-11-2017(SR.NO.35245)

I am directed to refer to the BER received vide letter dated 15-01-2018 on the subject NIT and to inform you that:-

- i. P.A has not mentioned names of Procurement Committee members in Bid Evaluation Report along-with Comparative statement signed by all Procurement Committee members on each and every page is required.
- ii. Bid Evaluation Report shows bid of M/s NLC Rs. **2480 Million** which is 33% higher than Engineer estimate. However, BER had a rebate of Rs. **372,081,975.89** clarification is required weather as to rebate was already in the offer and was announced in the bid opening meeting and was minuted or the rebate was obtained after bid opening/announcement of offer.

2. It is therefore advised to furnish above required infirmities in terms of Rule-45 of SPP Rules,2010 (Amended-2017). It may be noted that non-compliance of SPP Rules, 2010 may render the procurement as mis-procurement.


ASSISTANT DIRECTOR (ASSESSMENT)

Copy forwarded for information to:-

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



KARACHI WATER & SEWERAGE BOARD

Office Of The Executive Engineer 65 MGD Scheme

9th Mile karsaz Shakra-e-faisal Karachi, Block – B Tel: 021-99245132

No: E.E/65 MGD/KW&SB/2018/79

Dated: 01-02-2018

To,
Assistant Director (Assessment)
SPPRA, Govt. of Sindh
Karachi.

SUB: NIT.KW&SB/E.E/65 MGD/201/69 dated 13-11-2017 (Sr.# 35245)

Ref: No. A.D(A)/SPPRA/(35245)/2017/7087 dated: 31-01-2018

With reference to the letter cited above, parawise replies are given in Juxta Position:

Sr.#	Observation	Replies
1.	Procuring Agency has not mentioned names of procurement Committee members in Bid Evaluation Report along with Comparative Statement signed by all Procurement members on each and every page is required	The names of Procurement members already mentioned on the Bid Evaluation Report which is again enclosed for your reference. Comparative Statement duly signed by all members of Procurement Committee on each and every page is attached herewith.
2.	Bid Evaluation Report shows bid of M/s. NLC Rs. 2480 Million which is 33% higher than Engineer estimate. However, BER had a rebate of Rs. 372,081,975.89 clarification is required weather as to rebate was already in the offer and was announced in the bid opening meeting and was minuted or the rebate was obtained after bid opening / announcement of offer.	While opening the bids the bid amount, the Rebate offered and the adjusted amount after Rebate was announced before the Procurement Committee and all participants. Two firms M/s. NLC and M/s. SMABD-Sharukh JV offered rebate in their sealed bids which was announced with their respective offers and was minuted accordingly. The same is reflected in minutes of meeting and already send to your office on 26-12-2017 (copy attached) for ready reference.

Keeping in view of the above clarification, an early hosting of subject scheme on Authority's website is solicited from your end please.

(Mastor 30/55)

**Executive Engineer
65 MGD Project, KW&SB**

Copy to:

✓ 1. Managing Director SPPRA, GOS.

SPPRA INWARD DIARY

NO : 2320

DATED : 01-02-18



KARACHI WATER & SEWERAGE BOARD

Office Of The Executive Engineer 65 MGD Scheme

9th Mile karsaz Shakra-e-faisal Karachi, Block - B Tel: 021-99245132

No: E.E/65 MGD/KW&SB/2018/79

Dated: 01-02-2018

To,
Assistant Director (Assessment)
SPPRA, Govt. of Sindh
Karachi.

SUB: NIT.KW&SB/E.E/65 MGD/201/69 dated 13-11-2017 (Sr.# 35245)

Ref: No. A.D(A)/SPPRA/(35245)/2017/7087 dated: 31-01-2018

With reference to the letter cited above, parawise replies are given in Juxta Position:

Sr.#	Observation	Replies
1.	Procuring Agency has not mentioned names of procurement Committee members in Bid Evaluation Report along with Comparative Statement signed by all Procurement members on each and every page is required	The names of Procurement members already mentioned on the Bid Evaluation Report which is again enclosed for your reference. Comparative Statement duly signed by all members of Procurement Committee on each and every page is attached herewith.
2.	Bid Evaluation Report shows bid of M/s. NLC Rs. 2480 Million which is 33% higher than Engineer estimate. However, BER had a rebate of Rs. 372,081,975.89 clarification is required weather as to rebate was already in the offer and was announced in the bid opening meeting and was minuted or the rebate was obtained after bid opening / announcement of offer.	While opening the bids the bid amount, the Rebate offered and the adjusted amount after Rebate was announced before the Procurement Committee and all participants. Two firms M/s. NLC and M/s. SMABD-Sharukh JV offered rebate in their sealed bids which was announced with their respective offers and was minuted accordingly. The same is reflected in minutes of meeting and already send to your office on 26-12-2017 (copy attached) for ready reference.

Keeping in view of the above clarification, an early hosting of subject scheme on Authority's website is solicited from your end please.

**Executive Engineer
65 MGD Project, KW&SB**

Copy to:

1. Managing Director SPPRA, GOS.

KARACHI WATER & SEWERAGE BOARD

Office of the Secretary (Procurement Committee) Additional 65 MGD Water Supply Scheme From Haleji to Pipri, Karachi

9th Mile Karsaz, Shahrah-e-Faisal, Karachi, Block-B, KW&SB Tel No. +92-21-99245132

No. KW&SB/Secy/PC/65MGD/2018/ 12

Dated: 22nd December, 2018

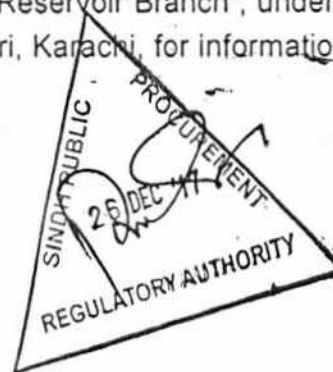
To,

1. Mr. Ghulam Qadir (Convener)
Chief Engineer (BT&D), KW&SB
2. Mr. Iqbal Palejo Member
Executive Engineer (65 MGD Project), KW&SB
3. Mr. Maqsood Ahmed Shaikh Member
Superintending Engr. (C) Engineering Deptt, KMC
(Representative of K.M.C)
4. Mr. Tariq Ansari Member
Executive Engr. (E&M), Engg. Deptt.. KMC
(Representative of KMC)
5. Mr. Intekhab Ahmed Rajput Co-opt.
Project Manager (Dhabeji), KW&SB Member
6. Mr. Abdul Rawoof Co-Opt.
Member

SUB: Minutes of Bid Opening in respect of Package # 1 "Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station including Revival of Haleji Lake and Remodeling of Reservoir Branch", under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

Enclosed please find herewith the Minutes of Meeting held on 22nd of December, 2017 in the Committee Room of Managing Director's Secretariat, Block-D, 9th Mile Karsaz, KW&SB, regarding Bid Opening of Package No. 01, "Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station including Revival of Haleji Lake and Remodeling of Reservoir Branch", under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi, for information please.

Encl: As above




SECRETARY
(Procurement Committee)
65 MGD Project, KW&SB

Copy to :-

M/s. SPPRA


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

22nd December, 2017

KARACHI WATER & SEWERAGE BOARD

SUBMISSION / OPENING OF BIDS

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

PACKAGE # 01

"Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodeling of Reservoir Branch"


MINUTES OF THE MEETING

Opening of Bids submitted by the Prequalified Contracting Firms & Joint Ventures for (Package # 01) "Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodeling of Reservoir Branch" under Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi was held on Friday, the 22nd of December 2017 in the Committee Room, of Managing Director Secretariat, Block-D 9th Mile KW&SB

The list of participants is attached as Annexure – A.

The meeting started with the recitation of a verse of the Holy Quran. Afterwards, the Convener of Procurement Committee welcomed the participants of the meeting.

Later on the sealed Bids submitted by the Prequalified Contracting Firms / Joint Ventures were shown to the Procurement Committee members and representatives of the participating Contracting Firms / J.Vs and were accordingly opened / unsealed. Out of the Four prequalified Firms / J.V three prequalified Firms submitted the Bids which were opened / unsealed publicly announcing the details of their Bid Security and quoted Bid Price as per the following details:-


IQBAL ALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

Sr. #	Name of Contracting Firm / Joint Venture	Bid Security / Bank Branch	Announced Bid Price
01	M/s Haji Sirajuddin Soomro	Rs. 60,000,000 M/s. Bank Al-Habib, Main Branch, Saddar, Hyderabad Expiry: 21-4-2018	Rs. 2,989,990,665
02	M/s Sardar Muhammad Ashraf D Balochi Pvt Ltd In Association with M/s Snahrukh Engineers & Contractor (JV)	Rs. 60,000,000 M/s. The Bank of Punjab, DHA Branch, Karachi Expiry: 20-05-2018	Rs. 2,997,473,431 Rebate (Lump Sum) Rs. 652,473,431
Total (After Rebate)			Rs. 2,345,000,000
03	M/s. National Logistic Board & Cel.	Rs 50,000,000 M/s. Askari Bank Ltd. AWT Plaza Branch, The Mall Road, Saddar, Rawalpindi Expiry: 05-05-2018	Rs. 2,480,546,506.59 Rebate (15%) Rs. 372,081,975.98
Total (After Rebate)			Rs. 2,108,464,530.61

The Original Bids of the three Contracting Firms / J.Vs were than duly signed by all Members of the Procurement Committee.

The unsealed and duly signed Bids in Original along with One Copy submitted by the three Contracting Firms / J.V were Handed Over to the Secretary of Procurement Committee, to start the Evaluation Process of the Bids for the Selection of Contracting Firm / J.V for Package 01 of the 65 MGD Project

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



IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

SUBMISSION / OPENING OF BID

22nd December 2017

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

PACKAGE # 01

Construction of RCC Lined Canal and RCC Conduit from Haleji to Gharo Pumping Station, including Revival of Haleji Lake and Remodeling of Reservoir Branch"

LIST OF PARTICIPANTS

Procurement Committee

- | | | |
|---|---------------------------------------------------------------------------------------------------------|-----------------------|
| 1 | Mr. Ghulam Qadir
Chief Engineer (BT&D), KW&SB | (Convener) |
| 2 | Mr. Iqbal Palejo
Executive Engineer (65 MGD Project), KW&SB | Member |
| 3 | Mr. Saleem Ahmed
Executive Engineer (Design), KW&SB | Member /
Secretary |
| 4 | Mr. Maqsood Ahmed Shaikh
Superintending Engr (C) Engineering Deptt, KMC
(Representative of K M C) | Member |
| 5 | Mr. Tariq Ansari
Executive Engr (E&M), Engineering
Deptt KMC (Representative of KMC) | Member |
| 6 | Mr. Intekhab Ahmed Rajput
Project Manager (Dhabeji), KW&SB | Co-opt.
Member |
| 7 | Mr. Aboul Ravoot | Co-Opt.
Member |

Contractor's Representative

Sardar Muhammad Ashraf D. Baloch


Mr. Iqbaluddin Siddiqui Project Officer
Mr. Intan Haider Quantity Surveyor

National Logistic Board & Cell

Lt Col. (Ret) Ijaz Ahmed Sr. Manager
Mr. Tauqeer Khan Quantity Surveyor

Haji Sirajuddin Soomro

Mr. Mirza Ibrar-e-Hassan Director Projects


IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

KARACHI WATER & SEWERAGE BOARD

Additional 65 MGD Water Supply Scheme from Haleji to Pipri, Karachi

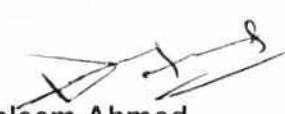
Bid Evaluation Report

1. Name of Procuring Agency: Karachi Water and Sewerage Board
2. Tender Reference No: 32488
3. Tender Description / Name of work / item: Package 01: Construction of RCC Lined Canal and RCC Conduit from Haleji to Ghara Pumping Station, including Revival of Haleji Lake and Remodelling of Reservoir Branch
4. Method of Procurement: Single Stage One envelop System(National Compatative Bidding (NCB)
5. Tender Published: Notice inviting Tender (NIT) issued to Prequalified Contracting Firms / J.Vs on 10-11-2017
 - a. NIT Ref: No.KW&SB/PD/65 MGD/2017/26 dated 10-11-2017
 - b. Print & Electronic Media SPPRA Sr. No. 32488.
6. Total Bids documents Sold: 04 (Four) documents were sold to four pre-qualified firms
7. Total Bids Received: Three (03)
8. Bid Opening date: (if applicable) December 22, 2017
9. No. of Bids qualified (if applicable): 03 (three)
10. Bid(s) Rejected: NiL

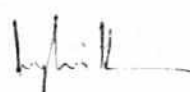

IQBAL PALEJO
Executive Engineer
Addl. 65 Mgd. Project
KW&SB

11. Bid Evaluation Report:


S No	Name of Firm of Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost	Reasons for acceptance / rejection	Remarks
1	2	3	4	5	6	
1	M/s. National Logistic Board and Cell	Rs. 2,098,464,530/-	1 st	12.56% above from Engineer's Estimate	Accepted being Responsive. Pay Order & required Documents are submitted by the bidder	Lowest Evaluated Bid
2	M/s. Sardar Muhammad Ashraf D. Baloch Pvt. Ltd. In association with Shahrukh Engineers and Contractors.	Rs. 2,458,208,000/-	2 nd	31.86% above from Engineer's Estimate	Accepted being Responsive. Pay Order & required Documents are submitted by the bidder	-
3	M/s. Haji Sirajuddin Soomro.	Rs. 2,963,602,373/-	3 rd	58.97% above from Engineer's Estimate	Accepted being Responsive. Pay Order & required Documents are submitted by the bidder	-

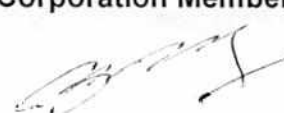

Saleem Ahmed
 Executive Engineer (D&E),
 KW&SB
 Member / Secretary

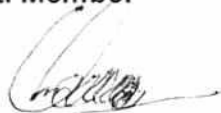

Iqbal Palejo
 Executive Engineer (65
 MGD Project), KW&SB
 Member



Maqsood Ahmed Shaikh
 Superintending Engineer (Civ)
 Karachi Metropolitan
 Corporation Member


Tariq Ansari
 Executive Engr. (E&M),
 Karachi Metropolitan
 Corporation Member


Intekhab Ahmed Rajput
 Project Manager
 (Dhabeji), KW&SB
 Co-Opt. Member


Mr. Abdul Rawoof
 Senior Engineer
 M/s. EA Consult. Pvt. Ltd
 Co-Opt. Member


Ghulam Qadir
 Superintending Engineer East, KW&SB
 Convener


IQBAL PALEJO
 Executive Engineer
 Addl. 65 Mgd. Project
 KW&SB

Annexure-I

COMPARATIVE STATEMENT & EVALUATION OF CONTRACTOR'S

Bill No.	DESCRIPTION	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	AMOUNT	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	AMOUNT	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
		Rs	Rs (Million)	Rs	Rs (Million)		Rs	Rs (Million)		Rs	Rs (Million)	
		ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO			ASHRAF D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
	PACKAGE - 1											
1	CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION,(INTAKE STRUCTURE , PIPE & CONDUIT WORKS)	110,073,352.44	110.07	160,935,035.42	160.94	46.21	174,193,242.00	174.19	58.25	153,801,198.53	153.80	39.73
2	CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION (SYPHON WORKS)	124,972,810.70	124.97	87,049,017.00	87.05	(30.35)	126,727,000.00	126.73	1.40	86,264,072.47	86.26	(30.97)
3	CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION (INTAKE STRUCTURE , SMALL CONDUIT, LARGE CONDUIT & CANAL WORKS)	1,242,123,753.17	1,242.12	1,837,004,416.26	1,837.00	47.89	1,810,555,339.00	1,810.56	45.76	1,632,812,132.76	1,632.81	31.45
4	CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION (SYPHON WORKS)	124,381,189.26	124.38	163,419,750.00	163.42	31.39	216,274,250.00	216.27	73.88	177,181,440.97	177.18	42.45
5a	REHABILITATION OF RESERVOIR BRANCH AND REVIVAL OF HALEJI LAKE	264,398,014.02	264.40	711,783,292.00	711.78	169.21	779,705,600.00	779.71	194.90	415,573,200.93	415.57	57.18
5b	CONSTRUCTION OF OFFICE ACCOMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)	8,293,411.42	8.29	13,410,863.00	13.41	61.71	13,226,000.00	13.23	59.48	14,914,460.28	14.91	79.84
	TOTAL AMOUNT	1,874,242,531.01	1,874.24	2,973,602,373.68	2,973.60		3,120,681,431.00	3,120.68		2,480,546,505.94	2,480.55	
	LESS REBATE						652,473,431.00			372,081,975.89		
	PROVISIONAL SUM	10,000,000.00		10,000,000.00			10,000,000.00			10,000,000.00		
	NET AMOUNT	1,864,242,531.01	1,864.24	2,963,602,373.68	2,963.60		2,458,208,000.00	2,458.21		2,098,464,530.05	2,098.46	
	PERCENTAGE					58.97			31.86			12.56

Saleem Ahmed
Executive Engineer (D&E),
KW&SB
Member / Secretary

Iqbal Palejo
Executive Engineer (65 MGD
Project), KW&SB
Member

Maqsood Ahmed Shaikh
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Intekhab Ahmed Rajput
Project Manager (Dhabeji),
KW&SB
Co-Opt. Member

Mr. Abdul Rawoof
Senior Engineer
M/s. EA Consult. Pvt. Ltd
Co-Opt. Member

Ghulam Qadir Abbass
Chief Engineer (BT&D),
KW&SB
Convener

ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 INTAKE STRUCTURE, PIPE & CONDUIT WORKS
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

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					ENGINEERING ESTIMATE			M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL	
	All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.														
PART-A															
1	JUNGLE CLEARANCE Jungle clearance and removing within 100 feet (30.5 metres). For Pipe Works & Conduit Works	1	4,300.0	Sq.m	1.02	4,386.00	75.00	322,500.00	7,252.94	150.00	645,000.00	14,605.88	35.89	154,327.00	3,418.63
2	EXCAVATION Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling (Backfilling) around structure with (suitable) excavated earth watering, ramming lead upto 5'-0" ft. Complete and disposal of surplus excavated material to designated area i/c all lead & lift. etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.														
2.1	In Ordinary Soil From ± (0.00) to (1.5m) For Pipe Works, Intake Structure, Conduit Works & Penstock Chamber @ Interconnection Point	1	4,839.00	Cu.m	141.35	683,992.65	188.00	909,732.00	33.00	1,200.00	5,806,800.00	748.96	391.98	1,896,791.22	177.31
	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches and pits and other structures.														
2.1.1	From (1.5m) to (2.5m) For Pipe Works, Intake Structure, Conduit Works & Penstock Chamber @ Interconnection Point	1	899.00	Cu.m	165.82	149,072.18	251.00	225,649.00	51.37	1,300.00	1,168,700.00	683.98	628.28	564,823.72	278.89
2.1.2	From (2.5m) to (3.5m) For Pipe Works, Intake Structure & Conduit Works	1	30.00	Cu.m	190.29	5,708.70	312.00	9,360.00	63.96	1,400.00	42,000.00	635.72	864.58	25,937.40	354.35
2.2	In Hard Soil or soft Murum From ± (0.00) to (1.5m) For Pipe Works, Intake Structure, Conduit Works & Penstock Chamber @ Interconnection Point	1	2,075.00	Cu.m	158.18	328,223.50	262.00	543,650.00	65.63	1,500.00	3,112,500.00	848.29	439.24	911,423.00	177.68

ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 INTAKE STRUCTURE , PIPE & CONDUIT WORKS
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

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					ENGINEERING ESTIMATE			M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL	
2.2.2	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks tranches and pits and other structures. From (1.5m) to (2.5m) For Pipe Works, Intake Structure, Conduit Works & Penstock Chamber @ Interconnection Point	1	386.00	Cu.m	182.65	70,502.90	343.00	132,398.00	87.79	1,600.00	617,600.00	775.99	675.54	260,758.44	269.85
2.2.3	From (2.5m) to (3.5m) For Pipe Works, Intake Structure & Conduit Works	1	13.00	Cu.m	207.12	2,692.56	425.00	5,525.00	105.20	1,700.00	22,100.00	720.78	911.84	11,853.92	340.25
2.3	SLUSHY OR DALDALLY Excavation for tank and reservoir in slushy soil or daldally soils i/c trimming and dressing sides to true alignment & shape levelling of bedsof trenches to correct level and grade, cutting, joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge, providing fence guard, lights, flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft.(1.52 m) and lead upto one chain (30.5 m)														
2.3.1		1	2,060.50	Cu.m	320.33	660,039.97	1,876.00	3,865,498.00	485.65	2,000.00	4,121,000.00	524.36	636.09	1,310,663.45	98.57
4	STONE SOLING Providing and laying dry rammed brick or stone ballast / soling 1-1/2" to 2" gauge from approved quarry including hand packing & filling voids with stone material, consolidating & compacting with power or hand roller,etc complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.														
4.1	Conduit Works	1	839.00	Cu.m	1,480.84	1,242,424.76	2,478.00	2,079,042.00	67.34	8,000.00	6,712,000.00	440.23	3,205.34	2,689,280.26	116.45
4.2	Intake Structure & Penstock Chamber @ Interconnection Point	1	16.00	Cu.m	1,480.84	23,693.44	2,478.00	39,648.00	67.34	8,000.00	128,000.00	440.23	3,205.34	51,285.44	116.45
5	WOODEN FORMWORKS/SHUTTERING FOR PLAIN CEMENT CONCRETE Providing, fixing, erection and removal of centering for plain cement concrete works of partial wood (shuttering / formwork) of approved quality in horizontal / vertical surface etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.														
5.1	Intake Structure, Conduit Works & Penstock Chamber @ Interconnection Point & For Concrete Encasement of Pipe	1	218.96	Sqm.	455.26	99,683.73	575.00	125,902.00	26.30	200.00	43,792.00	(56.07)	299.13	65,497.50	(34.29)

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					ENGINEERING ESTIMATE			M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
6	PLAIN CEMENT CONCRETE Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregate without shuttering complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. Intake Structure, Conduit Works, Penstock Chamber @ Interconnection Point & (5.8 Mpa 850Psi) (Ratio 1:4:8)	1	342.00	Cu.m	5,023.86	1,718,160.12	9,770.00	3,341,340.00	94.47	16,000.00	5,472,000.00	218.48	8,767.69	2,998,549.98	74.52	
6.1		1	74.07	Cu.m	6,421.48	475,639.02	13,806.00	1,022,610.42	115.00	15,000.00	1,111,050.00	133.59	16,040.61	1,188,127.98	149.80	
6.2	Concrete Encasement (1:2:4)	1	74.07	Cu.m	6,421.48	475,639.02	13,806.00	1,022,610.42	115.00	15,000.00	1,111,050.00	133.59	16,040.61	1,188,127.98	149.80	
7	REINFORCED CEMENT CONCRETE Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes steel formwork, moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) also i/c plasticizer /admixture for strength etc .RC work in roof slab, beams, columns rafts, lintels and other structural members laid in situ or precast laid in position etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.															
7.1	Base Slab, Top Slab & Walls (1:1-1/2:3) 4000psi															
7.2	For Intake Structure, Conduit Works & Penstock Chamber @ Interconnection Point	1	2,819.00	Cu.m	15,531.62	43,783,636.78	18,585.00	52,391,115.00	19.66	18,000.00	50,742,000.00	15.89	17,033.62	48,017,774.78	9.67	
8	PRECAST R.C.C (1:2:4) Precast reinforced cement concrete in columns, beams lintels, stairs cases, shelves, plank and cover i/c lifting hook, erecting & fixing in position etc, lift upto 20ft .complete in all respect as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.															
8.1	For Intake Structure (Precast Plank) & Intake Structure Manhole Cover	1	2.00	Cu.m	15,645.03	31,290.06	31,860.00	63,720.00	103.64	20,000.00	40,000.00	27.84	17,857.02	35,714.04	14.14	

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					ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
9	STEEL REINFORCEMENT Providing, supplying, cutting, fabrication of Tor / deformed steel reinforcement for cement concrete including cutting, bending, laying in position making joints and fastening including cost of binding wire (also includes removal of) etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).														
9.1	For Intake Structure, Conduit Works & Penstock Chamber @ Interconnection Point	1	338.00	Ton	126,042.84	42,602,479.92	177,000.00	59,826,000.00	40.43	140,000.00	47,320,000.00	11.07	190,082.50	64,247,885.00	50.81
10	BITUMEN COATING Bitumen coating to plastered or cement concrete surface, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.														
10.1	For Intake Structure , Conduit Works & Penstock Chamber @ Interconnection Point	1	6,532.00	Sq.m	105.54	689,387.28	266.00	1,737,512.00	152.04	150.00	979,800.00	42.13	118.15	771,755.80	11.95
11	WATER STOPS Providing and fixing expansion /construction joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i.c soldering and cost of the material and labor etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.														
11.1	For Intake Structure , Conduit Works & Penstock Chamber @ Interconnection Point	1	3,113.00	R.m	355.53	1,106,764.89	1,416.00	4,408,008.00	298.28	1,500.00	4,669,500.00	321.91	1,014.70	3,158,761.10	185.40
12	BLOCK MASONRY STEPS Providing and laying 1:3:6 cement concrete solid block masonry wall /steps set in 1:6 cement mortar in plinth and foundation including raking out joints & curing etc., complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.														
12.1	Penstock Chamber @ Interconnection Point	1	1.00	Cu.m	6,349.95	6,349.95	10,974.00	10,974.00	72.82	10,000.00	10,000.00	57.48	13,205.00	13,205.00	107.95



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ENGINEERING ESTIMATE						M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
13	STEEL STRUCTURE WORKS Providing, supplying, cutting, fabricating, erecting, placing and installing, fixing in position having minimum yield strength of 36 ksi, all structural steel platform /stairs , base plate, MS sheets, stiffener plate, MS pipe, post, bar, anchors & rawal bolts, J bolts, nuts, washer, railing and chequered plate) or as required, and confirming to ASTM A36, jointing, welding confirming to AWS (American welding society) specification.complete in all respects as per drawing, standard , specifications and as directed by the Engineer. NOTE: (All structural elements except chequered plate, nuts & bolts shall be epoxy coated over primer coat of approved colors, and chequered plate painting with enamel paint over primer coat of approved colors. all nuts, bolts and washers shall be hot dipped galvanized.)														
13.1	MS.Platform, stair and Railing For Intake Structure	1	3,046.00	Kg	131.03	399,117.38	266.00	810,236.00	103.01	200.00	609,200.00	52.64	208.50	635,091.00	59.12
	Penstock Chamber @ Interconnection Point	1	1,683.00	Kg	131.03	220,523.49	266.00	447,678.00	103.01	200.00	336,600.00	52.64	208.50	350,905.50	59.12
13.2	MS.Screen /Grating with frame For Intake Structure	1	1,615.00	Kg	131.03	211,613.45	266.00	429,590.00	103.01	200.00	323,000.00	52.64	208.50	336,727.50	59.12
	Penstock Chamber @ Interconnection Point	1	323.00	Kg	131.03	42,322.69	266.00	85,918.00	103.01	200.00	64,600.00	52.64	208.50	67,345.50	59.12
14	PAINTING ON M.S WORKS Providing and applying preparing the surface and painting on MS works guard bars, gates of iron bars, grating, railings (including standards braces) and similar open works 3 coats of Enamel paint of equivalent approved quality and shade including surface preparation, primer coat, filling, cutting etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.														
14.1	Paint on M.S Platform, Stair and Railing Priming coat	1	30.00	Sq.m	70.76	2,122.80	177.00	5,310.00	150.14	800.00	24,000.00	1,030.58	139.00	4,170.00	96.44
	Each subsequent coat of paint (1st coat to 3rd coat)	1	30.00	Sq.m	152.03	4,560.90	266.00	7,980.00	74.97	1,000.00	30,000.00	557.76	239.08	7,172.40	57.26
14.2	Paint on M.S Screen /Grating with frame Priming coat	1	20.00	Sq.m	70.76	1,415.20	177.00	3,540.00	150.14	800.00	16,000.00	1,030.58	139.00	2,780.00	96.44
	Each subsequent coat of paint (1st coat to 3rd coat)	1	20.00	Sq.m	152.30	3,046.00	266.00	5,320.00	74.66	1,000.00	20,000.00	556.60	239.08	4,781.60	56.98
SUB TOTAL AMOUNT PART-A (Rs)						94,568,850.32		132,855,755.42			134,187,242.00			129,783,388.53	

**ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
INTAKE STRUCTURE , PIPE & CONDUIT WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)**

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
PART-B															
15	REINSTATEMENT OF ROAD Making, providing, laying, finishing and compacting, Reinstatement s for works cross the road utilities of required depth, including disposal of excavated/boring stuff out side the construction area, reinstatement as per requirements and satisfaction of the client/engineer, etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. (Provisional)	1	3000	Sqm	176.17	528,510.00	1,062.00	3,186,000.00	502.83	7,000.00	21,000,000.00	3,873.43	236.30	708,900.00	34.13
SUB TOTAL AMOUNT PART-B (Rs)						528,510.00		3,186,000.00			21,000,000.00			708,900.00	
PART-C															
16	M.S LADDER /RUNGS Providing fabricating and fixing M.S ladder /rungs as shown in drawing complete with all fixing arrangements (rawal bolt, etc.) as shown in drawing enamel painting with rust proof paint (at any height in any floor) etc., complete in all respects as per drawing, standard, specifications and directed by the Engineer.														
16.1	For Intake Structure	1	42.00	Nos	1,050.00	44,100.00	2,655.00	111,510.00	152.86	8,000.00	336,000.00	661.90	1,390.00	58,380.00	32.38
17	M.S RAILING Providing, fabricating, welding & fixing in position MS railing for staircase or where required comprising of 2" dia MS pipe hand rail, 1-1/2" dia balustrade & 1/2" dia as intermediate rail (Thickness of MS pipe not less than 16 swg) as shown on drawing, including base plate & hold fast, 3/4" dia MS pipe for connecting 2" dia hand rail and all required hard wares etc., including providing & applying 2 coats of anti corrosion paint (Red Oxide) and 03 coats of approved color enamel paint (at any height in any floor) etc. complete in all respect as per drawing, standard, specifications and directed by the Engineer.														
17.1	For Intake Structure	1	7.00	R.m	4,134.06	28,938.42	5,310.00	37,170.00	28.45	10,000.00	70,000.00	141.89	15,290.00	107,030.00	269.85

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ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 INTAKE STRUCTURE, PIPE & CONDUIT WORKS
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE	M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD		NATIONAL LOGISTICS CELL			
18	PIPE WORKS Manufacturing, supplying, laying, jointing, testing, disinfection & commissioning of Black steel M.S Pipe made out of M.S sheet conforming to API 5L grade X 42 (Spirally Welded) with ERW & Externally asphalt coated with fiber glass 5mm thick & internally CC Lining 12mm thick as per American Water Works Association (AWWA) Specification i/c jointing with welding in trenches i/c cost of all fittings, bend, tee, yee of any degree & reducer (if required) and testing with water specified pressure for different dia of pipes as below complete in all respect as per drawings, specifications and as directed by the Engineer/Incharge.														
18.1	1500mm (60") I.D x 12mm WT	1	30.00	Rm	128,590.78	3,857,723.40	99,120.00	2,973,600.00	(22.92)	200,000.00	6,000,000.00	55.53	104,250.00	3,127,500.00	(18.93)
19	BUTTERFLY VALVE Providing, Fixing, testing & commissioning of Ductile Iron Body Butterfly Valve with Flange End as per Design Standard BS 5155 in compliance with DIN 3202/API 594 having Nominal Pressure PN-16 Class 150 S.S Disc Gear operated & Galvanized Steel Bolts & Nuts including cost of Rubber Gas Kit/ Rubber packing & Labour complete in all respect as per specifications & as directed by the Engineer/Incharge.														
19.1	1500mm Dia	1	1.00	No	5,244,993.60	5,244,993.60	6,195,000.00	6,195,000.00	18.11	5,000,000.00	5,000,000.00	(4.67)	13,900,000.00	13,900,000.00	165.01
20	M.S FLANGE Providing & Fixing M.S Flanges-EN 1092/BS4504 Raised face having Nominal Pressure PN-16 & Standard Thickness including the cost of fabrication, fixing, jointing, also including nuts, bolts, washers, rubber packing, etc complete in all respect as per specifications & all work to the entire satisfaction of the Engineer/Incharge.														
20.1	1500mm Dia	1	2.00	No	142,618.35	285,236.70	442,500.00	885,000.00	210.27	300,000.00	600,000.00	110.35	695,000.00	1,390,000.00	387.31

**ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
INTAKE STRUCTURE , PIPE & CONDUIT WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)**

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
21	PUDDLE FLANGE Providing and fixing M.S puddle flange of the following diameters, complete in all respect as per drawing and as directed by the Engineer.														
21	1500 mm dia	1	2.00	No	157,500.00	315,000.00	265,500.00	531,000.00	68.57	1,000,000.00	2,000,000.00	534.92	695,000.00	1,390,000.00	341.27
22	PENSTOCK GATE Providing, fixing and erection of Penstock Gate below given sizes etc. complete in all respect and all works to the entire satisfaction of the Engineer Incharge.														
22.1	Penstock gate at inter connection Point Size of (1.9m x 2.75m)		2.00	No	2,600,000.00	5,200,000.00	7,080,000.00	14,160,000.00	172.31	2,500,000.00	5,000,000.00	(3.85)	1,668,000.00	3,336,000.00	(35.85)
	SUB TOTAL AMOUNT PART-C (Rs)					14,975,992.12		24,893,280.00			19,006,000.00			23,308,910.00	
	TOTAL AMOUNT OF PART - (A+B+C) (Rs)					110,073,352.44		160,935,035.42			174,193,242.00			153,801,198.53	

ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION

SYPHON WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
					ENGINEERING ESTIMATE			M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
	All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.															
PART-A																
1	EXCAVATION Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling (Backfilling) around structure with (suitable) excavated earth watering, ramming lead upto 5'-0" ft. Complete and disposal of surplus excavated material to designated area i/c all lead & lift. etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.															
1.1	<u>In Ordinary Soil</u> From ± (0.00) to (1.5m) For Pipe Works, Inlet & outlet Chamber, Washout valve Chamber	1	1,238.0	Cu.m	141.35	174,991.30	188.00	232,744.00	33.00	1,200.00	1,485,600.00	748.96	380.70	471,306.60	169.33	
	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks tranches and pits and other structures															
1.1.2	From (1.5m) to (2.5m) For Pipe Works, Inlet & outlet Chamber, Washout valve Chamber	1	825.0	Cu.m	165.82	136,801.50	251.00	207,075.00	51.37	1,300.00	1,072,500.00	683.98	610.20	503,415.00	267.99	
1.1.3	From 2.5m to 3.5m For Pipe Works, Inlet & outlet Chamber, Washout valve Chamber	1	776.0	Cu.m	190.29	147,665.04	312.00	242,112.00	63.96	1,400.00	1,086,400.00	635.72	839.70	651,607.20	341.27	
1.1.4	From 3.5m to 4.5m For Pipe Works, Inlet & outlet Chamber, Washout valve Chamber	1	688.0	Cu.m	214.76	147,754.88	375.00	258,000.00	74.61	1,500.00	1,032,000.00	598.45	1,069.20	735,609.60	397.86	
1.1.5	From 4.5m to 5.5m For Pipe Works, Inlet & outlet Chamber, Washout valve Chamber	1	563.0	Cu.m	239.23	134,686.49	437.00	246,031.00	82.67	1,600.00	900,800.00	568.81	1,298.70	731,168.10	442.87	
1.1.6	From 5.5m to 6.5m For Pipe Works, Washout valve Chamber	1	563.0	Cu.m	265.70	149,589.10	499.00	280,937.00	87.81	1,700.00	957,100.00	539.82	1,528.20	860,376.60	475.16	

ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION

SYPHON WORKS

COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
ENGINEERING ESTIMATE						M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL			
1.1.7	From 6.5m to 7.5m For Pipe Works, Washout valve Chamber	1	375.0	Cu.m	288.17	108,063.75	563.00	211,125.00	95.37	1,800.00	675,000.00	524.63	1,757.70	659,137.50	509.95
1.1.8	From 7.5m to 8.5m For Pipe Works, Washout valve Chamber	1	247.0	Cu.m	312.64	77,222.08	627.00	154,869.00	100.55	1,900.00	469,300.00	507.73	1,987.20	490,838.40	535.62
1.1.9	From 8.5m to 9.5m For Pipe Works, Washout valve Chamber	1	124.0	Cu.m	337.11	41,801.64	752.00	93,248.00	123.07	2,000.00	248,000.00	493.28	2,216.70	274,870.80	557.56
1.2	In Hard Soil or soft Murum														
1.2.1	From ± (0.00) to (1.5m) For Pipe Works, Inlet & outlet Chamber , For Washout valve Chamber	1	532.0	Cu.m	158.18	84,151.76	262.00	139,384.00	65.63	1,300.00	691,600.00	721.85	426.60	226,951.20	169.69
	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks tranches and pits and other structures.														
1.2.2	From (1.5m) to (2.5m) For Pipe Works, Inlet & outlet Chamber , For Washout valve Chamber	1	355.0	Cu.m	182.65	64,840.75	343.00	121,765.00	87.79	1,400.00	497,000.00	666.49	656.10	232,915.50	259.21
1.2.3	From 2.5m to 3.5m For Pipe Works, Inlet & outlet Chamber , For Washout valve Chamber	1	333.0	Cu.m	207.12	68,970.96	425.00	141,525.00	105.20	1,500.00	499,500.00	624.22	885.60	294,904.80	327.58
1.2.4	From 3.5m to 4.5m For Pipe Works, Inlet & outlet Chamber , For Washout valve Chamber	1	296.0	Cu.m	231.59	68,550.64	499.00	147,704.00	115.47	1,600.00	473,600.00	590.88	1,115.10	330,069.60	381.50
1.2.5	From 4.5m to 5.5m For Pipe Works, Inlet & outlet Chamber , For Washout valve Chamber	1	272.0	Cu.m	256.06	69,648.32	563.00	153,136.00	119.87	1,700.00	462,400.00	563.91	1,344.60	365,731.20	425.11
1.2.6	From 5.5m to 6.5m For Pipe Works, For Washout valve Chamber	1	242.0	Cu.m	280.53	67,888.26	627.00	151,734.00	123.51	1,800.00	435,600.00	541.64	1,574.10	380,932.20	461.12
1.2.7	From 6.5m to 7.5m For Pipe Works, For Washout valve Chamber	1	161.0	Cu.m	305.00	49,105.00	752.00	121,072.00	146.56	1,900.00	305,900.00	522.95	1,803.60	290,379.60	491.34
1.2.8	From 7.5m to 8.5m For Pipe Works, For Washout valve Chamber	1	106.0	Cu.m	329.47	34,923.82	874.00	92,644.00	165.27	2,000.00	212,000.00	507.04	2,033.10	215,508.60	517.08
1.2.9	From 8.5m to 9.5m For Pipe Works, For Washout valve Chamber	1	53.0	Cu.m	353.93	18,758.29	1,000.00	53,000.00	182.54	2,500.00	132,500.00	606.35	2,262.60	119,917.80	539.28

[Handwritten signatures and initials are present below the table, including a large signature on the left and several smaller ones across the bottom.]

ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION

SYPHON WORKS

COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE	M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
2	WOODEN FORMWORKS/SHUTTERING FOR PLAIN CEMENT CONCRETE Providing, fixing, erection and removal of centering for plain cement concrete works of partial wood (shuttering / formwork) of approved quality in horizontal / vertical surface etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.														
2.1	Inlet & outlet Chamber , For Washout valve Chamber	1	848.0	Sqm.	455.26	386,060.48	575.00	487,600.00	26.30	200.00	169,600.00	(56.07)	290.52	246,360.96	(36.19)
3	PLAIN CEMENT CONCRETE Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregate without shuttering, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. For Inlet & outlet Chamber (1:4:8), Washout Valve Chamber (1:4:8), (5.8 Mpa 850Psi) (Ratio 1:4:8)														
3.1		1	8.0	Cu.m	5,023.85	40,190.80	9,770.00	78,160.00	94.47	15,000.00	120,000.00	198.58	8,515.30	68,122.40	69.50
3.2	Concrete Encasement (1:2:4)	1	1,128.0	Cu.m	6,421.48	7,243,429.44	13,806.00	15,573,168.00	115.00	16,000.00	18,048,000.00	149.16	15,579.01	17,573,123.28	142.61
4	REINFORCED CEMENT CONCRETE Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately.This rate also includes steel formwork, moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) also i/c plasticizer /admixture for strength etc .RC work in roof slab,beams,columns rafts.Lintels and other structural members laid in situ or precast laid in position etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. Top Slab, Base Slab & Walls (4000psi)														
4.1	For Washout Valve Chamber (1:2:4)														
4.1.1		1	44.0	Cu.m	14,997.58	659,893.52	18,762.00	825,528.00	25.10	18,000.00	792,000.00	20.02	14,979.01	659,076.44	(0.12)
4.1.2	For Inlet & outlet Chamber (1:1-1/2:3)	2	38.0	Cu.m	15,531.62	1,180,403.12	22,125.00	1,681,500.00	42.45	18,000.00	1,368,000.00	15.89	16,543.44	1,257,301.44	6.51

ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION

SYPHON WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE	M/S HAJI SIRAJ SOOMRO					S.A. D.BALUCH (PVT) LTD				
					NATIONAL LOGISTICS CELL										
5	PRECAST R.C.C (1:2:4) Precast reinforced cement concrete in columns , beams lintels, stairs cases, shelves, plank and cover i/c lifting hook, erecting & fixing in position etc, lift upto 20ft .complete in all respect as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. For Washout Valve Chamber, Inlet & outlet Chamber	1	1.0	Cu.m	15,645.03	15,645.03	31,860.00	31,860.00	103.64	20,000.00	20,000.00	27.84	17,343.15	17,343.15	10.85
6	STEEL REINFORCEMENT Providing, supplying, cutting, fabrication of Tor / deformed steel reinforcement for cement concrete including cutting, bending, laying in position making joints and fastening including cost of binding wire (also includes removal of) etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. <i>(Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).</i> For Washout Valve Chamber, Inlet & outlet Chamber	1	15.8	Ton	126,042.84	1,991,476.87	177,000.00	2,796,600.00	40.43	140,000.00	2,212,000.00	11.07	184,612.50	2,916,877.50	46.47
7	BITUMEN COATING Bitumen coating to plastered or cement concrete surface, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. For Washout Valve Chamber, Inlet & outlet Chamber	1	368.0	Sq.m	105.49	38,820.32	266.00	97,888.00	152.16	200.00	73,600.00	89.59	114.75	42,228.00	8.78
8	WATER STOPS Providing and fixing expansion /construction joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i.c soldering and cost of the material and labor etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. For Washout Valve Chamber, Inlet & outlet Chamber	1	138.0	R.m	355.53	49,063.14	1,416.00	195,408.00	298.28	1,500.00	207,000.00	321.91	985.50	135,999.00	177.19
SUB TOTAL AMOUNT PART-A (Rs)						13,250,396.30		24,815,817.00			34,647,000.00			30,752,072.41	

ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION

SYPHON WORKS
COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)		
					ENGINEERING ESTIMATE					M/S HAJI SIRAJ SOOMRO			S. A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL	
PART-B																	
9	PUDDLE FLANGE (M.S) Providing and fixing M.s puddle flange of the following diameters, complete in all respect as per drawing and as directed by the engineer.																
9.1	1500mm Dia	2	2.0	Nos	315,000.00	1,260,000.00	265,500.00	1,062,000.00	(15.71)	300,000.00	1,200,000.00	(4.76)	675,000.00	2,700,000.00	114.29		
10	M.S LADDER /RUNGS Providing fabricating and fixing M.S ladder /rungs as shown in drawing complete with all fixing arrangements (rawal bolt, etc.) as shown in drawing enamel painting with rust proof paint (at any height in any floor) etc., complete in all respects as per drawing, standard, specifications and directed by the Engineer.																
10.1	For Washout Valve Chamber, Inlet & outlet Chamber	1	120.0	Nos	1,050.00	126,000.00	2,655.00	318,600.00	152.86	8,000.00	960,000.00	661.90	1,350.00	162,000.00	28.57		
11	PIPE WORKS Manufacturing, supplying, laying, jointing, testing, disinfection & commissioning of Black steel M.S Pipe made out of M.S sheet conforming to API 5L grade X 42 (Spirally Welded) with ERW & Externally asphalt coated with fiber glass 5 mm thick & internally CC Lining 2mm thick as per American Water Works Association (AWWA) Specification i/c jointing with welding in trenches i/c cost of all fittings, bend, tee, yee of any degree & reducer (if required) and testing with water specified pressure for different dia of pipes as below complete in all respect as per drawings, specifications and as directed by the Engineer/Incharge.																
11.1	1500mm (60") I.D x 12mm WT	2	200.0	Rm	257,181.55	102,872,620.00	99,120.00	39,648,000.00	(61.46)	200,000.00	80,000,000.00	(22.23)	101,250.00	40,500,000.00	(60.63)		
11.2	300mm (12") I.D x 12mm WT	2	20.0	Rm	25,909.22	1,036,368.80	26,550.00	1,062,000.00	2.47	60,000.00	2,400,000.00	131.58	40,500.00	1,620,000.00	56.32		
12	BUTTERFLY VALVES Providing, Fixing, testing & commissioning of Ductile Iron Body Butterfly Valve with Flange End as per Design Standard BS 5155 in compliance with DIN 3202/API 594 having Nominal Pressure PN-16 Class 150 S.S Disc Gear operated & Galvanized Steel Bolts & Nuts including cost of Rubber Gas Kit/ Rubber packing & Labour complete in all respect as per specifications & as directed by the Engineer/Incharge.																
12.1	300mm Dia	2	1.0	No	190,157.10	380,314.20	1,062,000.00	2,124,000.00	458.49	500,000.00	1,000,000.00	162.94	1,350,000.00	2,700,000.00	609.94		

ADDITIONAL 65MGD BULK WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION

SYPHON WORKS

COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
					ENGINEERING ESTIMATE			M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
13	M.S FLANGE Providing & Fxing M.S Flanges-EN 1092/BS4504 Raised face having Nominal Pressure PN-16 & Standard Thickness including the cost of fabrication, fixing, jointing, also including nuts, bolts, washers, rubber packing, etc complete in all respect as per specifications & all work to the entire satisfaction of the Engineer/Incharge.															
13.1	300mm Dia	2	2.0	No	11,777.85	47,111.40	79,650.00	318,600.00	576.27	30,000.00	120,000.00	154.72	472,500.00	1,890,000.00	3,911.77	
14	PENSTOCK GATE Providing, fixing and erection of Penstock Gate below given sizes etc. complete in all respect and all works to the entire satisfaction of the engineer incharge. Penstock gate at Inter connection Point Size of (1.8 m x 1.8m)															
14.1		1	4.0	No	1,500,000.00	6,000,000.00	4,425,000.00	17,700,000.00	195.00	1,600,000.00	6,400,000.00	6.67	1,485,000.00	5,940,000.00	(1.00)	
SUB TOTAL AMOUNT PART-B (Rs)						111,722,414.40		62,233,200.00			92,080,000.00		4,125,600.00	55,512,000.00		
TOTAL AMOUNT OF PART A+B (Rs)						124,972,810.70		87,049,017.00			126,727,000.00			86,264,072.47		

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 INTAKE STRUCTURE , SMALL CONDUIT, LARGE CONDUIT & CANAL WORKS
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
					ENGINEERING ESTIMATE			M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
	All Items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.															
PART-A																
1	JUNGLE CLEARANCE Jungle clearance and removing within 100 feet (30.5 metres).															
1.1	For Conduit & Structural Works, Canal Works	1	138,775.00	Sq.m	1.02	141,550.50	75.00	10,408,125.00	7,252.94	150.00	20,816,250.00	14,605.88	32.02	4,443,575.50	3,039.22	
2	EXCAVATION Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling (Backfilling) around structure with (suitable) excavated earth watering, ramming lead upto 5'-0" ft. Complete and disposal of surplus excavated material to designated area i/c all lead & lift. etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.															
2.1	In Ordinary Soil															
2.1.1	From ± (0.00) to (1.5m) For Intake Structure , Small Conduit (100 R.M), Large Conduit (4842 R.M), Transition Chamber b/w Canal & Conduit, Penstock Chamber @ Interconnection Point, Over flow Conduit, Over flow Chamber	1	38,025.00	Cu.m	141.35	5,374,833.75	188.00	7,148,700.00	33.00	1,100.00	41,827,500.00	678.21	349.68	13,296,582.00	147.39	
	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks tranches and pits and other structure.															
2.1.2	From (1.5m) to (2.5m) For Intake Structure , Small Conduit (100 R.M), Large Conduit (4842 R.M), Transition Chamber b/w Canal & Conduit, Penstock Chamber @ Interconnection Point, Over flow Conduit, Over flow Chamber	1	24,901.00	Cu.m	165.82	4,129,083.82	251.00	6,250,151.00	51.37	1,200.00	29,881,200.00	623.68	560.48	13,956,512.48	238.01	
2.1.3	From (2.5m) to (3.5m) For Intake Structure , Small Conduit (100 R.M), Large Conduit (4842 R.M), Transition Chamber b/w Canal & Conduit, Over flow Conduit, Over flow Chamber	1	22,914.00	Cu.m	190.29	4,360,305.06	312.00	7,149,168.00	63.96	1,300.00	29,788,200.00	583.17	771.28	17,673,109.92	305.32	
2.1.4	From (3.5m) to (4.5m) For Intake Structure , Small Conduit (100 R.M), Large Conduit (4842 R.M), Over flow Chamber	1	10,332.00	Cu.m	214.76	2,218,900.32	375.00	3,874,500.00	74.61	1,400.00	14,464,800.00	551.89	982.08	10,146,850.56	357.29	
2.1.5	From (4.5m) to (5.5m) Large Conduit (4842 R.M)	1	5,638.00	Cu.m	239.23	1,348,778.74	437.00	2,463,806.00	82.67	1,500.00	8,457,000.00	527.01	1,192.88	6,725,457.44	398.63	
2.1.6	From (5.5m) to (6.5m) Large Conduit (4842 R.M)	1	4,170.00	Cu.m	263.70	1,099,629.00	499.00	2,080,830.00	89.23	1,600.00	6,672,000.00	506.75	1,403.68	5,853,345.60	432.30	

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ADDITIONAL GSMGD WATER SUPPLY SCHEM FROM HALELI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALELI LAKE TO GIARAO PUMPING STATION
 INTAKE STRUCTURE, SMALL CONDUIT, LARGE CONDUIT & CANAL WORKS
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	ENGINEERING ESTIMATE			M/S. HAJI SIRAL SONMHO			S.A. D. BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
					RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
2.1.7	From (6.5m) to (7.5m) Large Conduit (4842 R.M)	1	2,599.00	Cum	288.17	748,953.83	563.00	1,463,237.00	95.37	1,700.00	4,418,300.00	489.93	1,614.48	4,196,033.52	460.25	
2.1.8	From (7.5m) to (8.5m) Large Conduit (4842 R.M)	1	1,185.00	Cum	312.64	370,478.40	627.00	742,995.00	100.55	1,800.00	2,133,000.00	475.74	1,805.28	2,162,956.80	483.83	
2.1.9	From (8.5m) to (9.5m) Large Conduit (4842 R.M)	1	525.00	Cum	337.11	176,982.75	752.00	394,800.00	123.07	1,900.00	997,500.00	463.61	2,036.08	1,068,942.00	503.98	
2.2.10	From (9.5m) to (10.5m) Large Conduit (4842 R.M)	1	264.00	Cum	361.58	95,457.12	938.00	241,632.00	159.42	2,000.00	528,000.00	453.13	2,246.88	593,176.32	521.41	
2.2	Handed over to soft Muzim From ± (0.00) to (1.5m)															
2.2.1	For Intake Structure, Small Conduit (100 R.M), Large Conduit (4842 R.M), Transition Chamber b/w Canal & Conduit, Penstock Chamber @ Interconnection Point, Over flow Chamber @ Interconnection Point, Over flow Chamber	1	4,228.00	Cum	158.18	668,785.04	312.00	1,319,136.00	97.24	1,300.00	5,496,400.00	721.85	391.84	1,656,699.52	147.72	
2.2.2	For Intake Structure, Small Conduit (100 R.M), Large Conduit (4842 R.M), Transition Chamber b/w Canal & Conduit, Penstock Chamber @ Interconnection Point, Over flow Chamber	1	2,769.00	Cum	182.65	505,757.85	375.00	1,038,375.00	105.31	1,400.00	3,876,600.00	666.49	602.64	1,668,710.16	229.94	
2.2.3	For Intake Structure, Small Conduit (100 R.M), Large Conduit (4842 R.M), Transition Chamber b/w Canal & Conduit, Over flow Chamber	1	2,553.00	Cum	207.12	528,777.36	437.00	1,115,601.00	110.99	1,500.00	3,829,500.00	624.22	813.44	2,076,712.32	292.74	
2.2.4	For Intake Structure, Small Conduit (100 R.M), Large Conduit (4842 R.M), Over flow Chamber	1	1,150.00	Cum	231.59	266,328.50	499.00	573,850.00	115.47	1,600.00	1,840,000.00	590.88	1,024.24	1,177,876.00	142.26	
2.2.5	From (4.5m) to (5.5m) Large Conduit (4842 R.M)	1	627.00	Cum	256.06	160,549.62	563.00	353,001.00	119.87	1,700.00	1,065,990.00	563.91	1,235.04	774,370.08	382.32	
2.2.6	From (5.5m) to (6.5m) Large Conduit (4842 R.M)	1	464.00	Cum	280.53	130,659.92	627.00	290,928.00	123.51	1,800.00	835,200.00	541.64	1,445.84	670,869.76	415.40	
2.2.7	From (6.5m) to (7.5m) Large Conduit (4842 R.M)	1	289.00	Cum	305.00	88,145.00	752.00	217,338.00	146.56	1,900.00	549,100.00	522.95	1,656.64	478,768.96	443.16	
2.2.8	From (7.5m) to (8.5m) Large Conduit (4842 R.M)	1	132.00	Cum	379.47	43,490.04	876.00	115,632.00	165.88	2,000.00	264,000.00	507.04	1,867.44	246,502.08	466.80	
2.2.9	From (8.5m) to (9.5m) Large Conduit (4842 R.M)	1	59.00	Cum	353.93	20,881.87	1,000.00	59,000.00	182.54	2,100.00	123,900.00	493.34	2,078.24	222,616.16	487.19	
2.2.10	From (9.5m) to (10.5m) Large Conduit (4842 R.M)	1	30.00	Cum	378.40	11,352.00	1,124.00	33,220.00	197.04	2,500.00	75,000.00	560.68	2,289.04	68,671.20	504.93	
2.3	EXCAVATION FOR CANAL (ORDINARY SOIL) Earth work excavation ordinary soil in irrigation channels, drains etc, dressed to designed section grades and profiles excavated section grades and profiles excavated material disposed off and dressed within 15m lead															
2.3.1	For Canal Works Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches, and pits and other structures	1	91,983.00	Cum	107.70	9,906,569.10	188.00	17,292,804.00	74.56	1,200.00	110,379,600.00	1,014.21	259.16	23,838,314.28	140.63	
2.3.2	For Canal Works Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks trenches, and pits and other structures	1	25,726.00	Cum	132.17	3,400,205.42	251.00	6,467,226.00	89.91	1,300.00	33,443,800.00	883.58	469.96	12,090,190.96	255.57	

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 INTAKE STRUCTURE, SMALL CONDUIT, LARGE CONDUIT & CANAL WORKS
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO		S.A. D.BALUCH (PVT) LTD		NATIONAL LOGISTICS CELL				
					RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
2.3.3	From (2.5m) to (3.5m) For Canal Works	1	5,423.00	Cu.m	156.64	849,458.72	312.00	1,691,976.00	99.18	1,400.00	7,592,200.00	793.77	680.76	3,691,761.48	334.60
2.3.4	From (3.5m) to (4.5m) For Canal Works	1	869.00	Cu.m	181.10	157,375.90	375.00	325,875.00	107.07	1,500.00	1,303,500.00	728.27	891.56	774,765.64	392.30
2.4	EXCAVATION FOR CANAL (HARD SOIL) Earth work excavation Hard soil in irrigation channels, drains etc, dressed to designed section grades and profiles excavated section grades and profiles, excavated material disposed off and dressed within 15m lead.														
2.4.1	From ± (0.00) to (1.5m) For Canal Works	1	45,992.00	Cu.m	129.34	5,948,605.28	312.00	14,349,504.00	141.22	1,300.00	59,789,600.00	905.10	303.80	13,972,369.60	134.88
2.4.2	From (1.5m) to (2.5m) For Canal Works	1	12,863.00	Cu.m	153.71	1,977,171.73	375.00	4,823,625.00	143.97	1,400.00	18,008,200.00	810.81	514.60	6,619,299.80	234.79
2.4.3	From (2.5m) to (3.5m) For Canal Works	1	2,712.00	Cu.m	178.18	483,224.16	439.00	1,190,568.00	146.38	1,500.00	4,068,000.00	741.85	725.40	1,967,284.80	307.12
2.4.4	From (3.5m) to (4.5m) For Canal Works	1	435.00	Cu.m	192.64	83,798.40	499.00	217,065.00	159.03	1,600.00	696,000.00	730.56	936.20	407,247.00	385.98
2.4	MEDIUM HARD ROCK Excavation in rock, dressed to designed grades and profile executed material disposed off. Complete in all respects as per instruction of Engineer incharge. B) Medium hard rock requiring occasional blasting	1	19,234.25	Cu.m	450.95	8,673,685.04	1,876.00	36,083,453.00	316.01	1,800.00	34,621,650.00	299.16	1,121.54	21,571,980.75	148.71
4	EARTHFILL (BORROW MATERIAL) Supplying and filling watering and ramming earth under floor with new earth excavated from outside) lead upto one chain and lift upto 5 feet. laying earth in 6" layers leveling dressing and watering for compaction by rolling to obtain 95% modified AASHTO density. Complete including all lead & lifts etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.														
4.1	Canal /Channel	1	1,644.69	Cu.m	210.95	346,947.36	938.00	1,542,719.22	344.66	1,500.00	2,467,035.00	611.07	558.77	919,003.43	164.88
5	STONE SOLING Providing and laying dry rammed brick or stone ballast / soling 1-1/2" to 2" gauge from approved quarry including hand packing & filling voids with stone material, consolidating & compacting with power or hand roller,etc complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. For Intake Structure, Small Conduit (100 R.M), Large Conduit (4842 R.M), Canal, Over flow Conduit, Over flow Chamber, Box Culvert at road Crossing, Penstock Chamber @ Interconnection Point, Transition Chamber b/w Canal & Conduit	1	25,232.00	Cu.m	1,480.84	37,364,554.88	2,478.00	62,524,896.00	67.34	8,000.00	201,856,000.00	440.23	2,859.44	72,149,390.08	93.10

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 INTAKE STRUCTURE, SMALL CONDUIT, LARGE CONDUIT & CANAL WORKS
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE-1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
					ENGINEERING ESTIMATE				M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD			
													NATIONAL LOGISTICS CELL			
6	WOODEN FORMWORKS/SHUTTERING FOR PLAIN CEMENT CONCRETE Providing, fixing, erection and removal of centering for plain cement concrete works of partial wood (shuttering / formwork) of approved quality in horizontal / vertical surface etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. For Intake Structure , Small Conduit (100 R.M), Large Conduit (4842 R.M), Transition Chamber b/w Canal & Conduit, Penstock Chamber @ Interconnection Point, Over flow Conduit, Over flow Chamber, Box Culvert at road Crossing															
6.1		1	1.125.00	Sqm.	455.26	512,167.50	761.00	856,125.00	67.16	200.00	225,000.00	(56.07)	266.85	300,206.25	(41.39)	
7	PLAIN CEMENT CONCRETE Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregate without shuttering, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. For Intake Structure , Small Conduit (100 R.M), Large Conduit (4842 R.M), Transition Chamber b/w Canal & Conduit, Penstock Chamber @ Interconnection Point, Over flow Conduit, Over flow Chamber, Box Culvert at road Crossing, (5.8 Mpa 850Psi) (Ratio 1:4:8) For Transition Chamber Benching (Ratio 1:2:4)															
7.1		1	1.919.00	Cu.m	5,022.86	9,638,868.34	9,770.00	18,748,630.00	94.51	15,000.00	28,785,000.00	198.63	7,821.54	15,009,535.26	55.72	
7.2		1	7.00	Cu.m	6,421.48	44,950.36	13,806.00	96,642.00	115.00	16,000.00	112,000.00	149.16	14,309.61	100,167.27	122.84	
8	REINFORCED CEMENT CONCRETE Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes steel formwork, moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) also i/c plasticizer /admixture for strength etc. RC work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. Base Slab, Walls & Top Slab [1:1-1/2:3] 4000psi For Intake Structure , Small Conduit (100 R.M), Canal, Over flow Conduit, Over flow Chamber, Penstock Chamber @ Interconnection Point, Large Conduit (4842 R.M), Box Culvert at road Crossing, Transition Chamber b/w Canal & Conduit															
8.1																
8.1.1		1	31,590.00	Cu.m	15,531.62	490,643,875.80	18,585.00	587,100,150.00	19.66	18,000.00	568,620,000.00	15.89	15,195.46	480,024,581.40	(2.16)	

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 INTAKE STRUCTURE , SMALL CONDUIT, LARGE CONDUIT & CANAL WORKS
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
ENGINEERING ESTIMATE						M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
9	PRECAST R.C.C (1:2:4) Precast reinforced cement concrete in columns , beams lintels, stairs cases, shelves, plank and cover i/c lifting hook, erecting & fixing in position etc. lift upto 20ft complete in all respect as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. For Intake Structure, Over Flow Chamber, Transition Chamber b/w Canal & Conduit	1	13.00	Cu.m	15,645.10	203,386.30	31,860.00	414,180.00	103.64	18,000.00	234,000.00	15.05	15,930.01	207,090.13	1.82
10	STEEL REINFORCEMENT Providing, supplying, cutting, fabrication of Tor / deformed steel reinforcement for cement concrete including cutting, bending, laying in position making joints and fastening including cost of binding wire (also includes removal of) etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer). For Intake Structure , Small Conduit (100 R.M), Canal, Over flow Conduit, Over flow Chamber, Penstock Chamber @ Interconnection Point, Large Conduit (4842 R.M), Box Culvert at road Crossing, Transition Chamber b/w Canal & Conduit	1	3,058.20	Ton	126,042.84	385,464,213.29	177,000.00	541,301,400.00	40.43	140,000.00	428,148,000.00	11.07	169,570.00	518,578,974.00	34.53
11	BITUMEN COATING Bitumen coating to plastered or cement concrete surface, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. For Intake Structure , Small Conduit (100 R.M), Over flow Conduit, Over flow Chamber, Penstock Chamber @ Interconnection Point, Large Conduit (4842 R.M), Box Culvert at road Crossing, Transition Chamber b/w Canal & Conduit	1	46,333.00	Sq.m	105.49	4,887,668.17	708.00	32,803,764.00	571.15	200.00	9,266,600.00	89.59	105.40	4,883,498.20	(0.09)
12	WATER STOPS Providing and fixing expansion /construction joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i.e soldering and cost of the material and labor etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. Small Conduit (100 R.M), Over flow Conduit, Over flow Chamber, Penstock Chamber @ Interconnection Point, Large Conduit (4842 R.M), Box Culvert at road Crossing, Transition Chamber b/w Canal & Conduit	1	21,643.00	R.m	355.53	7,694,735.79	2,921.00	63,219,203.00	721.59	1,500.00	32,464,500.00	321.91	905.20	19,591,243.60	154.61

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 INTAKE STRUCTURE, SMALL CONDUIT, LARGE CONDUIT & CANAL WORKS
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
13	BLOCK MASONRY STEPS Providing and laying 1:3:6 cement concrete solid block masonry wall /steps set in 1:6 cement mortar in plinth and foundation including raking out joints & curing etc., complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. For Intake Structure , Penstock Chamber @ Interconnection Point	1	2.00	Cu.m	6,349.92	12,699.84	10,974.00	21,948.00	72.82	8,000.00	16,000.00	25.99	11,780.00	23,560.00	85.51
14	STEEL STRUCTURE WORKS Providing, supplying, cutting, fabricating, erecting, placing and installing, fixing in position having minimum yield strength of 36 ksi, all structural steel platform /stairs , base plate, MS sheets, stiffener plate, MS pipe, post, bar, anchors & rawal bolts, J bolts, nuts, washer, railing and chequered plate) or as required, and conforming to ASTM A36, jointing, welding confirming to AWS (American welding society) specification complete in all respects as per drawing, standard, specifications and as directed by the Engineer. NOTE: (All structural elements except chequered plate, nuts & bolts shall be epoxy coated over primer coat of approved colors and chequered plate painting with enamel paint over primer coat of approved colors, all nuts, bolts and washers shall be hot dipped galvanized.)														
14.1	M.S Platform, stair and Railing For Intake Structure , Penstock Chamber @ Interconnection Point	1	6,707.00	Kg	131.03	878,818.21	266.00	1,784,062.00	103.01	200.00	1,341,400.00	52.64	186.00	1,247,502.00	41.95
14.2	M.Screen /Grating with frame For Intake Structure , Transition Chamber b/w Canal & Conduit	1	2,377.00	Kg	131.03	311,458.31	266.00	632,282.00	103.01	200.00	475,400.00	52.64	186.00	442,122.00	41.95
15	PAINTING ON M.S WORKS Providing and applying preparing the surface and painting on MS works guard bars, gates of iron bars, grating, railings (including standards braces) and similar open works 3 coats of Enamel paint of equivalent approved quality and shade including surface preparation, primer coat, filling, cutting etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.														
15.1	Paint on M.S Platform, Stair and Railing Priming coat	1	55.00	Sq.m	70.76	3,891.80	177.00	9,735.00	150.14	800.00	44,000.00	1,030.58	124.00	6,820.00	75.24
	Each subsequent coat of paint (1st coat to 3rd coat)	1	55.00	Sq.m	151.31	8,322.05	266.00	14,630.00	75.80	1,000.00	55,000.00	560.89	213.28	11,730.40	40.96

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 INTAKE STRUCTURE, SMALL CONDUIT, LARGE CONDUIT & CANAL WORKS
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
ENGINEERING ESTIMATE						M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
15.2	Paint on M.S Screen /Grating with frame														
	Priming coat	1	64.28	Sq.m	70.76	4,548.45	177.00	11,377.56	150.14	800.00	51,424.00	1,030.58	124.00	7,970.72	75.24
	Each subsequent coat of paint (1st coat to 3rd coat)	1	64.28	Sq.m	151.31	9,726.21	266.00	17,098.48	75.80	1,000.00	64,280.00	560.89	213.28	13,709.64	40.96
16	COFFER DAM Temporary construction of coffer dam used of synthetic bags new / 1st bharti 4 to 5 capacity with sand or earth ewing lying in position under water	1	15,453.00	P.Bag	88.01	1,360,018.53	531.00	8,205,543.00	503.34	600.00	9,271,800.00	581.74	229.40	3,544,918.20	160.65
SUB TOTAL AMOUNT PART-A (Rs)						993,360,131.42		1,449,077,056.26			1,731,339,339.00			1,291,053,575.26	
PART-B															
17	REINSTATEMENT OF ROAD Making, providing, laying, finishing and compacting, Reinstatements for works cross the road utilities of required depth, including disposal of excavated/boring stuff out side the construction area, reinstatement as per requirements and satisfaction of the client/engineer, etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. (Provisional)	1	3,150.00	Sqm	176.17	554,935.50	1,062.00	3,345,300.00	502.83	7,000.00	22,050,000.00	3,873.43	210.80	664,020.00	19.66
SUB TOTAL AMOUNT PART-B (Rs)						554,935.50		3,345,300.00			22,050,000.00			664,020.00	
PART-C															
18	M.S LADDER /RUNGS Providing fabricating and fixing M.S ladder /rungs as shown in drawing complete with all fixing arrangements (rawal bolt, etc.) as shown in drawing enamel painting with rust proof paint (at any height in any floor) etc., complete in all respects as per drawing, standard, specifications and directed by the Engineer.														
18.1	For Intake Structure, Transition Chamber b/w Canal & Conduit, Large Conduit (4842 R.M), Over flow Chamber	1	202.00	Each	1,050.00	212,100.00	2,655.00	536,310.00	152.86	8,000.00	1,616,000.00	661.90	1,240.00	250,480.00	18.10
19	EXPANSION JOINT Providing, making, fixing and filling Premould joint filler 12mm thick in lined canal as shown in drawings /detail with bitumastic joint seal of approved manufacture etc, complete in all respects as per drawing, standard, specifications and directed by the Engineer.														
19.1	For Proposed of Canal	1	325.00	Sq.m	3,835.65	1,246,586.25	5,310.00	1,725,750.00	38.44	2,000.00	650,000.00	(47.86)	3,717.10	1,208,057.50	(3.09)
	THRUST BORING Making, providing, applying and installing in position thrust Boring for pipe line across the roads / existing pipe line horizontally, vertically and inclined operated by manually/automatically at required depth complete arrangement for protection and supporting of pipe sleeves, damages and disposal of excavated/boring debris out side the construction limit area i/c sleeves etc. Proper arrangement for protection of existing utilities, complete in all respect as per drawing and specification and as directed by the Engineer.														
	2100 mm I.D	1	420.00	R.m	580,000.00	243,600,000.00	885,000.00	371,700,000.00	52.59	120,000.00	50,400,000.00	(79.31)	799,800.00	335,916,000.00	37.90

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 SYPHON WORKS

COMPARATIVE STATEMENT & EVALUATION(PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
					ENGINEERING ESTIMATE	M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL			
	All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.															
PART-A																
1	EXCAVATION. Excavation in foundation of building, bridges and other structures including dagbelling dressing refilling (Backfilling) around structure with (suitable) excavated earth watering, ramming lead upto 5'-0" ft. Complete and disposal of surplus excavated material to designated area i/c all lead & lift. etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.															
1.1	In Ordinary Soil															
1.1.1	From ± (0.00) to (1.5m) For Pipe Works, Inlet Chamber , Washout valve Chamber	1	2,585.00	Cu.m	141.35	365,389.75	188.00	485,980.00	33.00	900.00	2,326,500.00	536.72	380.70	984,109.50	169.33	
	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks tranches and pits and other structures															
1.1.2	From (1.5m) to (2.5m) For Pipe Works, Inlet & outlet Chamber , Washout valve Chamber	1	1,725.00	Cu.m	165.82	286,039.50	251.00	432,975.00	51.37	950.00	1,638,750.00	472.91	610.20	1,052,595.00	267.99	
1.1.3	From (2.5m) to (3.5m) For Pipe Works, Inlet & outlet Chamber , Washout valve Chamber	1	1,725.00	Cu.m	190.29	328,250.25	312.00	538,200.00	63.96	1,000.00	1,725,000.00	425.51	839.70	1,448,482.50	341.27	
1.1.4	From (3.5m) to (4.5m) For Pipe Works, Inlet & outlet Chamber , Washout valve Chamber	1	1,725.00	Cu.m	214.76	370,461.00	375.00	646,875.00	74.61	1,100.00	1,897,500.00	412.20	1,069.20	1,844,370.00	397.86	
1.1.5	From (4.5m) to (5.5m) For Pipe Works, Inlet & outlet Chamber , Washout valve Chamber	1	1,695.00	Cu.m	239.23	405,494.85	437.00	740,715.00	82.67	1,200.00	2,034,000.00	401.61	1,298.70	2,201,296.50	442.87	
1.1.6	From (5.5m) to (6.5m) For Pipe Works, Washout valve Chamber	1	1,608.00	Cu.m	263.70	424,029.60	499.00	802,392.00	89.23	1,300.00	2,090,400.00	392.98	1,528.20	2,457,345.60	479.52	
1.1.7	From (6.5m) to (7.5m) For Pipe Works, Washout valve Chamber	1	1,219.00	Cu.m	288.17	351,279.23	563.00	686,297.00	95.37	1,400.00	1,706,600.00	385.82	1,757.70	2,142,636.30	509.95	
1.1.8	From (7.5m) to (8.5m) For Pipe Works, Washout valve Chamber	1	421.00	Cu.m	312.64	131,621.44	627.00	263,967.00	100.55	1,500.00	631,500.00	379.79	1,987.20	836,611.20	535.62	
1.1.9	From (8.5m) to (9.5m) For Pipe Works, Inlet & outlet Chamber , Washout valve Chamber	1	57.00	Cu.m	337.11	19,215.27	752.00	42,864.00	123.07	1,600.00	91,200.00	374.62	2,216.70	126,351.90	557.56	

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 SYPHON WORKS

COMPARATIVE STATEMENT & EVALUATION(PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO		S.A. D.BALUCH (PVT) LTD		NATIONAL LOGISTICS CELL				
					RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
1.1.10	From (9.5m) to (10.5m) For Pipe Works, Washout valve Chamber	1	57.00	Cu.m	361.58	20,610.06	938.00	53,466.00	159.42	1,700.00	96,900.00	370.16	2,446.20	139,433.40	576.53
1.2	<u>In Hard Soil or soft Murum</u> From ± (0.00) to (1.5m)														
1.2.1	For Pipe Works, Inlet Chamber, outlet Chamber, Washout valve Chamber	1	290.00	Cu.m	158.18	45,872.20	312.00	90,480.00	97.24	1,000.00	290,000.00	532.19	426.60	123,714.00	169.69
	Add for additional lift of every three ft or part there of for excavation for building, bridges, pipelines & storage tanks tranches and pits and other structures														
1.2.2	From (1.5m) to (2.5m) For Pipe Works, Inlet & outlet Chamber, Washout valve Chamber	1	194.00	Cu.m	182.65	35,434.10	375.00	72,750.00	105.31	1,100.00	213,400.00	502.24	656.10	127,283.40	259.21
1.2.3	From (2.5m) to (3.5m) For Pipe Works, Inlet & outlet Chamber, Washout valve Chamber	1	194.00	Cu.m	207.12	40,181.28	439.00	85,166.00	111.95	1,200.00	232,800.00	479.37	885.60	171,806.40	327.58
1.2.4	From (3.5m) to (4.5m) For Pipe Works, Inlet & outlet Chamber, Washout valve Chamber	1	284.00	Cu.m	231.59	65,771.56	499.00	141,716.00	115.47	1,300.00	369,200.00	461.34	1,115.10	316,688.40	381.50
1.2.5	From (4.5m) to (5.5m) For Pipe Works, Inlet & outlet Chamber, Washout valve Chamber	1	191.00	Cu.m	256.06	48,907.46	563.00	107,533.00	119.87	1,400.00	267,400.00	446.75	1,344.60	256,818.60	425.11
1.2.6	From (5.5m) to (6.5m) For Pipe Works, Washout valve Chamber	1	181.00	Cu.m	280.53	50,775.93	625.00	113,125.00	122.79	1,500.00	271,500.00	434.70	1,574.10	284,912.10	461.12
1.2.7	From (6.5m) to (7.5m) For Pipe Works, Washout valve Chamber	1	138.00	Cu.m	305.00	42,090.00	752.00	103,776.00	146.56	1,800.00	248,400.00	490.16	1,803.60	248,896.80	491.34
1.2.8	From (7.5m) to (8.5m) For Pipe Works, Washout valve Chamber	1	49.00	Cu.m	329.47	16,144.03	876.00	42,924.00	165.88	2,000.00	98,000.00	507.04	2,033.10	99,621.90	517.08
1.2.9	From (8.5m) to (9.5m) For Pipe Works, Inlet & outlet Chamber, Washout valve Chamber	1	7.00	Cu.m	353.93	2,477.51	1,000.00	7,000.00	182.54	2,200.00	15,400.00	521.59	2,262.60	15,838.20	539.28
1.2.10	From (9.5m) to (10.5m) For Pipe Works, Washout valve Chamber	1	7.00	Cu.m	378.40	2,648.80	1,124.00	7,868.00	197.04	2,500.00	17,500.00	560.68	2,492.10	17,444.70	558.59
2	WOODEN FORMWORKS/SHUTTERING FOR PLAIN CEMENT CONCRETE Providing, fixing, erection and removal of centering for plain cement concrete works of partial wood (shuttering / formwork) of approved quality in horizontal / vertical surface etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. Inlet & outlet Chamber, Washout valve Chamber, Concrete Encasement for surround Pipe														
2.1		1	1,042	Sqm.	455.26	474,380.92	575.00	599,150.00	26.30	200.00	208,400.00	(56.07)	290.52	302,721.84	(36.19)

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 SYPHON WORKS

COMPARATIVE STATEMENT & EVALUATION(PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
3	PLAIN CEMENT CONCRETE Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregate without shuttering, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.														
3.1	Inlet Chamber , outlet Chamber , Inlet & outlet Chamber , 1:4:8 Concrete Encasement surround	1	47.00	Cu.m	5,023.85	236,120.95	9,770.00	459,190.00	94.47	16,000.00	752,000.00	218.48	8,515.38	400,222.86	69.50
3.2	Pipe(1:2:4)	1	1,351	Cu.m	6,421.48	8,675,419.48	13,806.00	18,651,906.00	115.00	15,000.00	20,265,000.00	133.59	15,579.01	21,047,242.51	142.61
4	REINFORCED CEMENT CONCRETE Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately.This rate also includes steel formwork, moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) also i/c plasticizer /admixture for strength etc .RC work in roof slab,beams,columns rafts.Lintels and other structural members laid in situ or precast laid in position etc complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.														
	Top Slab, Base Slab & Walls (4000psi)														
4.1	For Washout Valve Chamber (1:2:4)	5	36.00	Cu.m	14,997.58	2,699,564.40	18,762.00	3,377,160.00	25.10	18,000.00	3,240,000.00	20.02	14,979.01	2,696,221.80	(0.12)
4.2	For Inlet & outlet Chamber (1:1-1/2:3)	1	559.00	Cu.m	15,531.62	8,682,175.58	22,125.00	12,367,875.00	42.45	18,000.00	10,062,000.00	15.89	16,543.44	9,247,782.96	6.51
5	PRECAST R.C.C (1:2:4) Precast reinforced cement concrete in columns , beams lintels, stairs cases, shelves, plank and cover i/c lifting hook, erecting & fixing in position etc, lift upto 20ft complete in all respect as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer.														
5.1	Inlet & outlet Chamber , For Syphon V & VI	1	4.00	Cu.m	15,645.10	62,580.40	31,860.00	127,440.00	103.64	20,000.00	80,000.00	27.84	17,343.15	69,372.60	10.85

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 SYPHON WORKS

COMPARATIVE STATEMENT & EVALUATION(PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
					RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
6	STEEL REINFORCEMENT Providing, supplying, cutting, fabrication of Tor / deformed steel reinforcement for cement concrete including cutting, bending, laying in position making joints and fastening including cost of binding wire (also includes removal of) etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer). For Washout Valve Chamber, Inlet & outlet Chamber	1	107.00	Ton	126,042.84	13,486,583.88	177,000.00	18,939,000.00	40.43	140,000.00	14,980,000.00	11.07	184,612.50	19,753,537.50	46.47
7	BITUMEN COATING Bitumen coating to plastered or cement concrete surface, complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. For Washout Valve Chamber, Inlet & outlet Chamber	1	1,836.00	Sq.m	105.49	193,679.64	266.00	488,376.00	152.16	150.00	275,400.00	42.19	114.75	210,681.00	8.78
8	WATER STOPS Providing and fixing expansion /construction joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i.e soldering and cost of the material and labor etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. For Washout Valve Chamber, Inlet & outlet Chamber	1	1,309.00	R.m	355.53	465,388.77	1,416.00	1,853,544.00	298.28	1,500.00	1,963,500.00	321.91	985.50	1,290,019.50	177.19
9	STEEL STRUCTURE WORKS Providing, supplying, cutting, fabricating, erecting, placing and installing, fixing in position having minimum yield strength of 36 ksi, all structural steel platform /stairs , base plate, MS sheets, stiffener plate, MS pipe, post, bar, anchors & rawal bolts, J bolts, nuts, washer, railing and chequered plate) or as required, and confirming to ASTM A36, jointing, welding confirming to AWS (American welding society) specification complete in all respects as per drawing, standard specifications and as directed by the Engineer. NOTE: (All structural elements except chequered plate, nuts & bolts shall be epoxy coated over primer coat of approved colors, and chequered plate painting with enamel paint over primer coat of approved colors. all nuts, bolts and washers shall be hot dipped M.Screen /Grating with frame Outlet Chamber For Syphon-II, III &	3	5.50	Ton	131,027.40	2,161,952.10	265,500.00	4,380,750.00	102.63	300,000.00	4,950,000.00	128.96	202,500.00	3,341,250.00	54.55

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRAHARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 SYPHON WORKS

COMPARATIVE STATEMENT & EVALUATION(PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE	M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
10	PAINTING ON M.S WORKS Providing and applying preparing the surface and painting on MS works guard bars, gates of iron bars, grating, railings (including standards braces) and similar open works 3 coats of Enamel paint of equivalent approved quality and shade including surface preparation, primer coat, filling, cutting etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.														
10.1	Paint on M.S Screen /Grating with frame														
10.1.1	Priming coat	3	20.00	Sq.m	70.76	4,245.60	177.00	10,620.00	150.14	800.00	48,000.00	1,030.58	135.00	8,100.00	90.79
10.1.2	Each subsequent coat of paint (1st coat to 3rd coat)	3	20.00	Sq.m	151.31	9,078.60	266.00	15,960.00	75.80	1,000.00	60,000.00	560.89	232.20	13,932.00	53.46
SUB TOTAL AMOUNT PART-A (Rs)						40,203,864.14		66,737,040.00			73,146,250.00			73,277,340.97	
PART-B															
11	PUDDLE FLANGE (M.S) Providing and fixing M.s puddle flange of the following diameters, complete in all respect as per drawing and as directed by the engineer.														
11.1	1500mm Dia	10	2.00	Nos	157,500.00	3,150,000.00	265,500.00	5,310,000.00	68.57	300,000.00	6,000,000.00	90.48	675,000.00	13,500,000.00	328.57
12	M.S LADDER /RUNGS Providing fabricating and fixing M.S ladder /rungs as shown in drawing complete with all fixing arrangements (rawal bolt, etc.) as shown in drawing enamel painting with rust proof paint (at any height in any floor) etc., complete in all respects as per drawing, standard, specifications and directed by the Engineer.														
12.1	For Washout Valve Chamber, Inlet & outlet Chamber	1	666.00	Nos	1,050.00	699,300.00	2,655.00	1,768,230.00	152.86	8,000.00	5,328,000.00	661.90	1,350.00	899,100.00	28.57
13	PIPE WORKS Manufacturing, supplying, laying, jointing, testing, disinfection & commissioning of Black steel M.S Pipe made out of M.S sheet conforming to API 5L grade X 42 (Spirally Welded) with ERW & Externally asphalt coated with fiber glass 5 mm thick & internally CC Lining 8mm thick as per American Water Works Association (AWWA) Specification i/c jointing with welding in trenches i/c cost of all fittings, bend, tee, yee of any degree & reducer (if required) and testing with water specified pressure for different dia of pipes as below complete in all respect as per drawings, specifications and as directed by the Engineer/Incharge.														
13.1	1500mm (60") I.D x 12mm WT	2	252.00	Rm	128,590.78	64,809,753.12	99,120.00	49,956,480.00	(22.92)	200,000.00	100,800,000.00	55.53	101,250.00	51,030,000.00	(21.26)
13.2	300mm (12") I.D x 12mm WT	5	40.00	Rm	25,909.22	5,181,844.00	26,550.00	5,310,000.00	2.47	60,000.00	12,000,000.00	131.58	40,500.00	8,100,000.00	56.32

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF R.C.C LINED CHANNEL & R.C.C CONDUIT FROM HALEJI LAKE TO GHARO PUMPING STATION
 SYPHON WORKS

COMPARATIVE STATEMENT & EVALUATION(PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)		
					ENGINEERING ESTIMATE	M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL				
14	BUTTERFLY VALVES Providing, fixing, testing & commissioning of Ductile Iron Body Butterfly Valve with Flange End as per Design Standard BS 5155 in compliance with DIN 3202/API 594 having Nominal Pressure PN-16 Class 150 S.S Disc Gear operated & Galvanized Steel Bolts & Nuts including cost of Rubber Gas Kit/ Rubber packing & Labour complete in all respect as per specifications & as directed by the Engineer/Incharge.																
14.1	300mm Dia	5	2.00	No	245,364.00	2,453,640.00	1,062,000.00	10,620,000.00	332.83	500,000.00	5,000,000.00	103.78	1,350,000.00	13,500,000.00	450.20		
15	M.S FLANGE Providing & Fxing M.S Flanges-EN 1092/BS4504 Raised face having Nominal Pressure PN-16 & Standard Thickness including the cost of fabrication, fixing, jointing, also including nuts, bolts, washers, rubber packing, etc complete in all respect as per specifications & all work to the entire satisfaction of the Engineer/Incharge.																
15.1	300mm Dia	5	4.00	No	19,139.40	382,788.00	79,650.00	1,593,000.00	316.16	300,000.00	6,000,000.00	1,467.45	472,500.00	9,450,000.00	2,368.73		
16	PENSTOCK GATE Providing, fixing and erection of Penstock Gate below given sizes etc. complete in all respect and all works to the entire satisfaction of the engineer incharge.																
16.1	Penstock g Gate Size of 1.8 m x 1.8 m for Syphon II, III, IV, V & VI	5.00		Nos	1500000	7,500,000.00	4,425,000.00	22,125,000.00	195.00	1,600,000.00	8,000,000.00	6.67	1,485,000.00	7,425,000.00	(1.00)		
SUB TOTAL AMOUNT PART-B (Rs)						84,177,325.12		96,682,710.00			143,128,000.00			103,904,100.00			
TOTAL AMOUNT OF PART-(A+B) Rs						124,381,189.260		163,419,750.000			216,274,250.00				177,181,440.97		

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI

REHABILITATION OF RESERVOIR BRANCH AND REVIVAL OF HALEJI LAKE

COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
					ENGINEERING ESTIMATE			M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.																
PART-A																
1	TOPOGRAPHY SURVEY Topography survey, site investigation and submission of design															
1.1	For Rehabilitation of Reservoir Branch		1.00	L.S	1,000,000.00	1,000,000.00	885,000.00	885,000.00	(11.50)	5,000,000.00	5,000,000.00	400.00	1,200,000.00	1,200,000.00	20.00	
2	JUNGLE CLEARANCE Jungle clearance and removing within 100 feet (30.5 metres).															
2.1	For Rehabilitation of Reservoir Branch	300,000.00		Sq.m	1.03	309,000.00	53.00	15,900,000.00	5,045.63	150.00	45,000,000.00	14,463.11	30.98	9,294,000.00	2,907.77	
2.2	For Revival of Haleji Lake	1,098,000.00		Sq.m	1.03	1,130,940.00	53.00	58,194,000.00	5,045.63	150.00	164,700,000.00	14,463.11	30.98	34,016,040.00	2,907.77	
3	EXCAVATION Earth work excavation in irrigation channels, drains etc. dressed to design section grades and profiles excavated material disposed off															
3.1	For Rehabilitation of Reservoir Branch		2,450.00	Cu.m	107.67	263,791.50	620.00	1,519,000.00	475.83	1,000.00	2,450,000.00	828.76	250.80	614,460.00	132.93	
4	EARTHWORK Earth work by tractor with scraper including compacting, dressing & levelling etc. complete in accordance to profile in ordinary soil and lead upto 10ft. etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.															
4.1	For Rehabilitation of Reservoir Branch		23,250.00	Cu.m	91.59	2,129,467.50	797.00	18,530,250.00	770.18	1,100.00	25,575,000.00	1,101.00	120.00	2,790,000.00	31.02	
4.2	ORDINARY SOIL Earth work Excavation by Hydraulic Excavator lead upto 50- ft															
4.2.1	For Revival of Haleji Lake		37,200.00	Cu.m	77.82	2,894,904.00	974.00	36,232,800.00	1,151.61	1,000.00	37,200,000.00	1,185.02	96.00	3,571,200.00	23.36	
5	DEWATERING Full Hire Charges of pumping set per day inclusive of wage of driver and assistant fuel or electric energy plate forms required for placing pumps etc. at lower depth with suction and delivery pipes for pumping out water found at various depths from trenches i/r the cost of erection and dismantline after Hire charges of pumping set of upto 10 H.P pumping out water from 20ft deep trench.															
5.1	For Rehabilitation of Reservoir Branch		60.00	Days	2,520.00	151,200.00	26,550.00	1,593,000.00	953.57	25,000.00	1,500,000.00	892.06	192,000.00	11,520,000.00	7,519.05	
5.2	For Revival of Haleji Lake		45.00	Days	2,520.00	113,400.00	26,550.00	1,194,750.00	953.57	25,000.00	1,125,000.00	892.06	192,000.00	8,640,000.00	7,519.05	
6	EARTHFILL (BORROW MATERIAL) Filling watering and ramming surplus earth															
6.1	For Rehabilitation of Reservoir Branch		15,000.00	Cu.m	67.31	1,009,650.00	938.00	14,070,000.00	1,293.55	1,200.00	18,000,000.00	1,682.80	540.74	8,111,100.00	703.36	
7	DRESSING OF SLOPES Dressine slopes of bank or ground surface															
7.1	For Rehabilitation of Reservoir Branch		52,000.00	Sq.m	51.27	2,666,040.00	177.00	9,204,000.00	245.23	300.00	15,600,000.00	485.14	18.00	936,000.00	(64.89)	
8	STONE FILLING Stone filling dry hand packed as filling in pitching or apron															
8.1	For Rehabilitation of Reservoir Branch		3,000.00	Cu.m	1,194.47	3,583,410.00	2,478.00	7,434,000.00	107.46	8,000.00	24,000,000.00	569.75	2,767.20	8,301,600.00	131.67	
8.2	For Revival of Haleji Lake		1,200.00	Cu.m	1,194.47	1,433,364.00	2,478.00	2,973,600.00	107.46	8,000.00	9,600,000.00	569.75	2,767.20	3,320,640.00	131.67	
9	ERECTION & REMOVAL OF CONCRETE Erection & Removal of centering for RCC or plain cement concrete work.															
9.1	For Rehabilitation of Reservoir Branch		1,000.00	Sq.m	423.99	423,990.00	885.00	885,000.00	108.73	2,000.00	2,000,000.00	371.71	258.24	258,240.00	(39.09)	

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALELI TO PIPRI, KARACHI
REHABILITATION OF RESERVOIR BRANCH AND REVIVAL OF HALELI LAKE

COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	ENGINEERING ESTIMATE			M/S. HAAL SIBAL SOOMRO			S. A. D. BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL			
					RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
10	CEMENT CONCRETE LINING (1:2:4) Cement concrete lining complete in all respect, as per specifications & relevant drawings, and all works to the entire																
10.1	For Rehabilitation of Reservoir Branch		7,750.00	Cum	5,357.64	41,521,710.00	157.69	13,806.00	106,996,500.00	12,000.00	93,000,000.00	123.98	54,398,000.00	30.92			
10.1.1	In Bed		4,500.00	Cum	5,527.83	24,875,235.00	149.25	13,806.00	62,127,000.00	14,000.00	61,000,000.00	153.26	32,561,280.00	30.91			
10.1.2	In Slope		2,000.00	Cum	5,357.64	10,715,280.00	157.69	13,806.00	27,612,000.00	14,000.00	28,000,000.00	161.31	18,800,000.00	36.79			
11	LEAN CONCRETE Cement concrete plain including placing, compacting, finishing and curing, complete including screening and washing of stone aggregate with shuttering, complete in all respect, as per specifications & relevant drawings, and all works to the entire satisfaction of the Engineer.																
11.1	For Rehabilitation of Reservoir Branch		127.50	Cum	5,023.86	640,542.15	94.47	9,770.00	1,245,675.00	13,000.00	1,657,500.00	158.77	7,569.23	96,076.83	50.67		
12	REINFORCED CEMENT CONCRETE Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting, shuttering, curing, rendering and finishing the exposed surface (including screening and washing of shingle) also (i/c plaster /admixure for strength etc. RC work in roof slabs, beams, columns, rafters, lintels and other structural members laid in situ or precast laid																
12.1	For Rehabilitation of Reservoir Branch (1:1:2/3) 4000psi		720.00	Cum	14,997.58	10,798,257.60	47.52	22,125.00	15,930,000.00	18,000.00	12,960,000.00	20.02	14,705.28	10,587,801.60			
12.2	For R.C Inlet Chamber (1:1.1/2/3) 4000psi		35.00	Cum	15,531.62	543,606.70	42.45	22,125.00	774,375.00	18,000.00	610,000.00	15.89	14,705.28	514,684.80			
13	STEEL REINFORCEMENT Providing, supplying, cutting, fabrication of Tor / deformed steel reinforcement for cement concrete including cutting, bending, laying in position making joints and fastening including cost of binding, wire (also includes removal of) etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).																
13.1	For Rehabilitation of Reservoir Branch		826.93	Ton	126,042.84	104,228,605.68	40.43	177,000.00	146,366,610.00	140,000.00	115,770,200.00	11.07	164,100.00	135,699,213.00	30.19		
14	WATER STOPS Providing and fixing expansion /construction joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i/c soldering and cost of the material and labor etc. complete in all respects as per standard specification, drawing, and entire satisfaction																
14.1	For Rehabilitation of Reservoir Branch		725.00	Rm	355.53	257,759.25	298.28	1,416.00	1,026,000.00	1,500.00	1,087,500.00	321.91	876.00	631,100.00			
15	STEEL GRATING Making and fixing grating in opening including fixing at site with flat iron 2" x 3/8" and 3/4" squares at 4" center to center etc. complete in all respects as per standard specification, drawing, and entire satisfaction of the Engineer.																
15.1	For Rehabilitation of Reservoir Branch		16.00	Sqm	949.03	15,184.48	4,562.66	44,250.00	708,000.00	20,000.00	320,000.00	2,007.41	6,600.00	105,600.00	595.45		
15.2	For Revival of Haleli Lake		36.00	Sqm	949.03	34,165.08	4,562.66	44,250.00	1,593,000.00	20,000.00	720,000.00	2,007.41	6,600.00	237,600.00	595.45		

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI

REHABILITATION OF RESERVOIR BRANCH AND REVIVAL OF HALEJI LAKE

COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)		
						ENGINEERING ESTIMATE			M/S HAIL SIBAI SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
16	PAINTING ON STEEL GRATING Providing and applying preparing the surface and painting on MS works guard bars, gates of iron bars, grating, railings (including standards braces) and similar open works 3 coats of Enamel paint of equivalent approved quality and shade including surface preparation, primer coat, filling, cutting etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.																
16.1	For Rehabilitation of Reservoir Branch Priming coat Each subsequent coat of paint (1st coat to 3rd coat)		37.50	Sq.m	90.76	3,403.50	177.00	6,637.50	95.02	800.00	30,000.00	781.45	120.00	4,500.00	32.22		
16.2	For Revival of Haleji Lake Priming coat Each subsequent coat of paint (1st coat to 3rd coat)		37.50	Sq.m	142.30	5,336.25	266.00	9,975.00	86.93	1,000.00	37,500.00	602.74	206.40	7,740.00	45.05		
			62.50	Sq.m	70.76	4,422.50	177.00	11,062.50	150.14	800.00	50,000.00	1,030.58	120.00	7,500.00	69.59		
			62.50	Sq.m	152.30	9,518.75	266.00	16,625.00	74.66	1,000.00	62,500.00	556.60	120.00	7,500.00	(21.21)		
SUB TOTAL AMOUNT PART-A (Rs)						210,762,183.94		533,039,460.00			669,075,200.00			345,068,076.23			
PART-B																	
17	SUB BAS MATERIAL Supplying, Spreading and Compacting Sub-base material from approved quarry along the																
17.1	For Revival of Haleji Lake		9,618.00	Cu.m	1,180.00	11,349,240.00	3,124.00	30,046,632.00	164.75	2,800.00	26,930,400.00	137.29	1,849.15	17,785,124.70	56.71		
SUB TOTAL AMOUNT PART-B (Rs)						11,349,240.00		30,046,632.00			26,930,400.00			17,785,124.70			

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI

REHABILITATION OF RESERVOIR BRANCH AND REVIVAL OF HALEJI LAKE

COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
ENGINEERING ESTIMATE						M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
PART-C															
18	PIPE WORKS Manufacturing, supplying, laying, jointing, testing, disinfection & commissioning of Black steel M.S Pipe made out of M.5 sheet conforming to API 5L grade X 42 (Spirally Welded) with ERW & Externally asphalt coated with fiber glass 5 mm thick & internally CC Lining 8mm thick as per American Water Works Association (AWWA) Specification i/c jointing with welding in trenches i/c cost of all fittings, bend, tee, yee of any degree & reducer (if required) and testing with water specified pressure for different dia of pipes as For Rehabilitation of Reservoir Branch 2100mm (84") I.D x 12mm WT		12.00	Rm	181,715.84	2,180,590.08	185,850.00	2,230,200.00	2.28	250,000.00	3,000,000.00	37.58	120,000.00	1,440,000.00	
19	PUDDLE FLANGE (M.S) Providing and fixing M.s puddle flange of the following diameters, complete in all respect as For Rehabilitation of Reservoir Branch 2100mm (84") I.D x 12mm WT		2.00	No	220,500.00	441,000.00	354,000.00	708,000.00	60.54	1,500,000.00	3,000,000.00	580.27	720,000.00	1,440,000.00	226.53
20	REINSTATEMENT OF CONCRETE Reinstatement of damaged concrete work (Cutting, Chiseling & Grouting) For Rehabilitation of Reservoir Branch		1,200.00	Cu.m	2,100.00	2,520,000.00	26,550.00	31,860,000.00	1,164.29	15,000.00	18,000,000.00	614.29	7,800.00	9,360,000.00	271.43
20.2	REPAIR OF HEADWORKS Repair & Rehabilitation of existing damaged Head works For Rehabilitation of Reservoir Branch		4.00	L.s	157,500.00	630,000.00	885,000.00	3,540,000.00	461.90	2,000,000.00	8,000,000.00	1,169.84	600,000.00	2,400,000.00	280.95
21	REMOVING OF PENSTOCK GATE Removing of Penstock Gate below given sizes etc. complete in all respect and all works to the entire satisfaction of the engineer incharge.														
21.1	For Rehabilitation of Reservoir Branch		2.00	L.S	26,250.00	52,500.00	177,000.00	354,000.00	574.29	300,000.00	600,000.00	1,042.86	600,000.00	1,200,000.00	2,185.71
21.1	For Revival of Haleji Lake		10.00	L.S	26,250.00	262,500.00	177,000.00	1,770,000.00	574.29	250,000.00	2,500,000.00	852.38	480,000.00	4,800,000.00	1,728.57
22	PENSTOCK GATE Providing, fixing and erection of Penstock Gate below given sizes etc. complete in all respect and all works to the entire satisfaction of the engineer incharge.														
22.1	For Rehabilitation of Reservoir Branch		3.00	No	1,400,000.00	4,200,000.00	6,195,000.00	18,585,000.00	342.50	2,200,000.00	6,600,000.00	57.14	1,680,000.00	5,040,000.00	20.00
22.1	For Revival of Haleji Lake		10.00	No	1,400,000.00	14,000,000.00	6,195,000.00	61,950,000.00	342.50	2,200,000.00	22,000,000.00	57.14	1,680,000.00	16,800,000.00	20.00
23	WEED CUTTING MACHINE Procurement of Weed Cutting Machine For Revival of Haleji Lake		2.00	L/s	4,000,000.00	8,000,000.00	8,850,000.00	17,700,000.00	121.25	5,000,000.00	10,000,000.00	25.00	120,000.00	240,000.00	(97.00)
24	Provisional sum		1.00	L/s	10,000,000.00	10,000,000.00	10,000,000.00	10,000,000.00	-	10,000,000.00	10,000,000.00	-	10,000,000.00	10,000,000.00	-
SUB TOTAL AMOUNT PART-C (Rs)						42,286,590.08		148,697,200.00			83,700,000.00			52,720,000.00	
TOTAL AMOUNT OF PART-(A+B+C) Rs						264,398,014.02		711,783,292.00			779,705,600.00			415,573,200.93	

[Handwritten signatures and initials]

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF OFFICE ACCOMMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
					ENGINEERING ESTIMATE			M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.																
PART-A																
EARTH WORKS																
1 SITE CLEARING AND GRUBBING																
1.1	Clearing jungle (ordinary & dense) by cutting removing all shrubs, trees as per site girth & taking out their entire roots and filling the hollows with earth complete with dressing consolidating and watering the filling including stacking the serviceable materials and disposal of useless materials cost of lead, lift and earth included etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.		200.00	Sqm	27.11	5,422.00	89.00	17,800.00	228.29	150.00	30,000.00	453.30	33.57	6,714.00	23.83	
EXCAVATIONS, BACKFILLING, SHORING AND DEWATERING																
1.2	Excavation, dewatering and shoring from NGL/EGL up to the required level for foundations, trenches and tanks & where required etc (rectangular, square & circular) in all kind of soil (hard, soft, silty, clayey slit, sandy, gravel etc) including dressing, leveling, compacting & back filling the excavated earth including breaking clods, watering, consolidation by ramming in layers not exceeding 9 inches in depth to full compaction to obtain 95% modified AASHTO density. Excavated earth stacking at appropriate suitable place, carting away surplus earth to dispose off at locations approved by the local authorities / The Engineer etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.		120.00	Cum	1,112.58	133,509.60	938.00	112,560.00	(15.69)	1,500.00	180,000.00	34.82	455.00	54,600.00	(59.10)	
	From ± (0.00) to (1.5m)		20.00	Cum	1,149.67	22,993.40	1,124.00	22,480.00	(2.23)	1,800.00	36,000.00	56.57	715.00	14,300.00	(37.81)	

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI PIPRI, KARACHI
 CONSTRUCTION OF OFFICE ACCOMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
1.3	EARTH FILL / ENGINEERED FILLING Providing, spreading and compacting earth/engineered filling under floor / foundations and where required etc. material borrow from approved outside sources including breaking clods, leveling, dressing, watering and consolidating by ramming in layers not exceeding 225mm or (9 inches) in depth to full compaction to obtain 95% modified AASHTO density. Complete including all lead & lifts etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.		200.00	Cum	167.42	33,484.00	938.00	187,600.00	460.27	1,500.00	300,000.00	795.95	585.81	117,162.00	249.90
1.4	STONE / BRICK BALLAST SOLING Providing and laying Stone soling / Brick ballast from approved quarry including hand packing & filling voids with stone / brick metals over a consolidated & compacted layer of moist earth including ramming & compacting with power or hand roller etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.		25.00	Cum	2,225.22	55,630.50	2,478.00	61,950.00	11.36	8,000.00	200,000.00	259.52	2,444.00	61,100.00	9.83
AMOUNT CARRIED TO CIVIL SUMMARY						251,039.50		402,390.00			746,000			253,876.00	
2	SUB STRUCTURE All items under this head to be carried out as per relevant specifications (Volume-II), Drawings, BSI/ASTM Standards, etc. complete in all respects as and as directed by the Engineer.														
2.1	PLAIN CONCRETE WORKS Providing and laying plain cement concrete using OPC cement type-I with C ₁ A ≤ 5% Or OPC type-II and approved quality of 25mm (1 inch) maximum size graded crush stone aggregate with approved quality sand concrete having 28 days preliminary cylindrical crushing strength as per drawings / specification, including fixing and removing of approved formwork, mechanically vibrating, leveling, compacting and curing etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.														
i)	Below foundation, plinth beam, situ, walls, tanks, over stone soling and where required (1000 Psi)		20.00	Cum	10,500.00	210,000.00	9,770.00	195,400.00	(6.95)	15,000.00	300,000.00	42.86	8,200.00	164,000.00	(21.90)
ii)	For Cast in situ concrete and where required. (1500 Psi)														

**ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KANAKHI
CONSTRUCTION OF OFFICE ACCOMMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)**

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE			M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL	
	REINFORCED CONCRETE WORKS														
2.2	Providing and laying RCC concrete with (Super plasticizer concrete admixture / retarder mix according to supplier instruction) of approved manufacturer & where required using OPC cement type-I with C3A ≤ 5% Or OPC type-II and approved quality of 25mm (1 inch) maximum size graded crush stone aggregate with approved quality sand having 28 days preliminary cylindrical crushing strength as per drawings / specification including the cost of fixing & removing of approved water tight form work, mechanically vibrating, leveling, compacting, construction joints and curing etc. but excluding the cost of reinforcement etc., complete in all respects as per drawing, standard, specifications and as directed by the Engineer. <i>(Note: Including embedment/laying of all concealed MEP items as directed by the Engineer/MEP Contractor.)</i>														
I)	Foundations /equipment pads (for any type)		20.00	Cum	12,980.00	259,600.00	17,700.00	354,000.00	36.36	18,000.00	360,000.00	38.67	14,260.45	285,209.00	9.86
II)	Plinth Beams i/c nibs / projections (4000 psi) Rcc Steps & Staircase (steps ,landing & waist) (4000 psi)		20.00	cum	12,980.00	259,600.00	17,700.00	354,000.00	36.36	18,000.00	360,000.00	38.67	14,260.45	285,209.00	9.86
III)	UGWTank (Bottom & Top Slab) (4000 psi)		12.00	cum	12,980.00	155,760.00	17,700.00	212,400.00	36.36	18,000.00	216,000.00	38.67	15,378.52	184,542.24	18.48
IV)	UGWTank (Walls)(4000 psi)		10.00	cum	12,241.00	122,410.00	17,700.00	177,000.00	44.60	18,000.00	180,000.00	47.05	15,378.52	153,785.20	25.63
V)	UGWTank (Walls)(4000 psi)		20.00	cum	12,980.00	259,600.00	17,700.00	354,000.00	36.36	18,000.00	360,000.00	38.67	15,930.72	318,614.40	22.73
VI)	Columns upto plinth (4000 psi)		12.00	Cum	12,980.00	155,760.00	17,700.00	212,400.00	36.36	18,000.00	216,000.00	38.67	15,930.72	191,168.64	22.73
	AMOUNT CARRIED TO CIVIL SUMMARY					1,422,730.00		1,859,200.00			1,992,000.00			1,582,528.48	
2.3	STEEL REINFORCEMENT (SUB-STRUCTURE) Providing, supplying, straightening, cutting, bending, fabricating, placing and installing / binding in position etc., straight or curved deformed steel bar reinforcement having minimum yield strength 414 Mpa (60 ksi or 60,000 Psi) , including cost of binding wire, chairs, wastages, precast c.c. spacers and welding where required to be followed ASTM A615 standard. Only those overlaps shall be paid which are according to the approved Bar Bending Schedule / shown on drawings or instructed by the Engineer, all kind of R.C.C. work etc., complete in all respects as per drawing, standard, specifications and as directed by the Engineer. <i>(Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).</i>														
			13,080.00	Kg	120.75	1,579,410.00	177.00	2,315,160.00	46.58	150.00	1,962,000.00	24.22	148.49	1,942,249.20	22.97

(Handwritten signatures and initials are present below the table)

**ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
CONSTRUCTION OF OFFICE ACCOMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)**

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
					ENGINEERING ESTIMATE			M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
2.4	BITUMEN COATING Providing and applying industrial bitumen paint/coating (Coverage 7 Kg / 10 Sqm) mixed with water component 2 coats on all RCC / CC structural member surfaces contact with earth up to plinth level etc., complete in all respects as per drawing, standard, specifications and as directed by the Engineer.		100.00	sqm	282.45	28,245.00	266.00	26,600.00	(5.82)	150.00	15,000.00	(46.89)	104.48	10,448.00	(63.01)	
2.5	TERMITE PROOFING Termite control treatment of sub grade soil, excavated surfaces and fill material with HEPTACHLOR emulsifiable to 0.5% with clean water or AGENDA 25 EC of approved equivalent as per manufacturer's specifications and instructions. etc., complete in all respects as per drawing, standard, specifications and as directed by the Engineer. <i>(Note: Plinth Area will be measured one time for payment where is the number of applications will be three times on all horizontal & vertical surfaces of the excavation for termite proofing)</i>		120.00	sqm	225.75	27,090.00	266.00	31,920.00	17.83	1,500.00	180,000.00	564.45	91.86	11,023.20	(59.31)	
AMOUNT CARRIED TO CIVIL SUMMARY						1,634,745.00		2,373,680.00			2,157,000.00			1,963,720.40		
3	SUPER-STRUCTURE All items under this head to be carried out as per relevant specifications (Volume-II), Drawings, BSI/ASTM Standards, etc. complete in all respects as and as directed by the Engineer.															
3.1	REINFORCED CONCRETE WORKS Providing and laying RCC concrete with (Super plasticizer concrete admixture / retarder mix according to supplier instruction) of approved manufacturer & where required using OPC cement and approved quality of 25mm (1 inch) maximum size graded crush stone aggregate with approved quality sand having 28 days preliminary cylindrical crushing strength as per drawings / specification including the cost of fixing & removing of approved water tight form work, mechanically vibrating, leveling, compacting, construction joints and curing etc. but excluding the cost of reinforcement etc., complete in all respects as per drawing, standard, specifications and as directed by the Engineer. <i>(Note: Including embedment/laying of all concealed MEP items as directed by the Engineer/MEP Contractor.)</i>		20.00	Cum	13,536.77	270,735.40	17,700.00	354,000.00	30.75	18,000.00	360,000.00	32.97	15,480.31	309,606.20	14.36	

ADDITIONAL MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF OFFICE ACCOMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
						ENGINEERING ESTIMATE	M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
STEEL REINFORCEMENT															
3.2	Providing, supplying, straightening, cutting, bending, fabricating, placing and installing / binding in position etc., straight or curved deformed steel bar reinforcement having minimum yield strength 414 Mpa (60 ksi or 60,000 Psi) , including cost of binding wire, chairs, wastages, precast c.c. spacers and welding where required to be followed ASTM A615 standard. Only those overlaps shall be paid which are according to the approved Bar Bending Schedule / shown on drawings or instructed by the Engineer, all kind of R.C.C. work etc., complete in all respects as per drawing, standard, specifications and as directed by the Engineer. <i>(Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).</i>														
	Ground Floor		6,000.00	Kg	120.75	724,500.00	177.00	1,062,000.00	46.58	150.00	900,000.00	24.22	148.49	890,940.00	22.97
						AMOUNT CARRIED TO COLLECTION		995,235.40			1,260,000.00			1,200,546.20	
4	DPC & MASONRY WORKS All Items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.														
4.1	Providing and laying DPC 1:2:4 (C.C.) 2" (50mm) thick laid in proper level mixed with pudlo @ 5 lbs per bag or other approved material over plinth beam including approved water proofing membrane 4mm thick laid as per instruction of manufacturer, curing, finishing etc. complete in all respect as per drawing, standard, specifications and direction of the Engineer.		20	Sqm	577.5	11,550.00	1,770.00	35,400.00	206.49	1,000.00	20,000.00	73.16	936.00	18,720.00	62.08

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF OFFICE ACCOMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	
						ENGINEERING ESTIMATE				M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD		
														NATIONAL LOGISTICS CELL		
4.2	Providing and laying first class solid block masonry in cement sand mortar (1:6), upto 6" thick partition wall 6"x8"x12" & 4"x8"x12", regular in shape and size with sharp and square corners and parallel faces, free from flaws and cracks, curing, scaffolding, racking out the joints, courses shall be kept in time plumb including all leads & lifts etc, complete in all respect as per drawing, standard, specifications and direction of the Engineer. (i) 6" Thick a) Ground Floor		80	Cu.m	7417.41	593,392.80	11,063.00	885,040.00	49.15	8,000.00	640,000.00	7.85	12,415.59	993,247.20	67.38	
4.3	BLOCK MASONRY STEPS AT ENTRANCE(1:3:6) Providing and laying block masonry in cement sand mortar (1:6). Straight or curved using 6"x8"x12" best approved quality used and shall be uniform in color, regular in shape and size with sharp and square corners and parallel faces, free from flaws and cracks, curing, scaffolding, racking out the joints, courses shall be kept in time plumb including Providing and laying mild steel reinforcement bars / hoop iron reinforcement / milled steel flat wall ties in above brick work of, straighten, removing twists, cutting, bending, binding, wastage, overlaps, placing holding in position tying with binding wire, cost of wire, including all leads & lifts etc, complete in all respect as per drawing, standard, specifications and direction of the Engineer.		5	Cu.m	6675.48	33,377.40	11,063.00	55,315.00	65.73	8,000.00	40,000.00	19.84	11,700.00	58,500.00	75.27	
						AMOUNT CARRIED TO COLLECTION	638,320.20				700,000.00			1,070,467.20		
5	METAL WORKS All items under this head to be carried out as per relevant Section of specifications (Volume-II), Drawings, BSI/ASTM Standards, complete in all respect and to the entire satisfaction of the Engineer. Providing / fixing stair railing 3'-0" high consisting of M.S. Box section size 1-1/2"x3" of 16 SWG welded with M.S. flat 1"x1/8" continuously and welded over M.S. square bars 5/8"x5/8" punched in M.S. flat 2 3/4" high @ 5 1/2"c/c fixed in steps of stair I/C painting 3 coats complete.		12	Rm	4,131.06	49,572.72	5,310.00	63,720.00	28.54	25,000.00	300,000.00	505.17	14,430.00	173,160.00	249.31	
						AMOUNT CARRIED TO CIVIL SUMMARY	49,572.72				300,000.00			173,160.00		

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF OFFICE ACCOMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
ENGINEERING ESTIMATE						M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL			
PART-C															
	WOOD WORKS All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.														
6	WOODEN DOORS FRAME														
6.1	Providing, making and fixing OAK WOOD door frame as per drawings and finishing schedule including hold fast, screws, and stain polish finished. contractor to submit the shop drawings for approval etc. complete in all respects as per drawing, specifications, and or as directed by the consultant / Engineer.														
	Frame size 2" x 5" FOR D1		20	Rm	1260	25,200.00	6,195.00	123,900.00	391.67	2,500.00	50,000.00	98.41	19,500.00	390,000.00	1,447.62
6.2	Providing, making and fixing OAK WOOD door architrave (Beading) fixed with the door frame as per drawings and finishing schedule including all required hard ware for fixing and stain polish finished . contractor to submit the shop drawings for approval etc. complete in all respects as per drawing, specifications, and or as directed by the consultant / Engineer.														
	Frame size 3/4" thick, to cover finish jamb (Out Side) for D1		20	Rm	1575	31,500.00	620.00	12,400.00	(60.63)	3,500.00	70,000.00	122.22	20,150.00	403,000.00	1,179.37
6.3	WOODEN FLUSH DOORS (SHUTTERS) Providing and fixing 1-1/2" thi ck solid core soft wood filling flush door shutters, with 4 mm thick OAK ply or Formica pasted on either sides complete, cross band of standard specification with 5/8" thick edge solid OAK WOOD wood lipping all around, as produced by standard manufacturers under power driven hydraulic press stain polish finished with or without vision panel (6mm local clear glass) as shown on drawing as approved by the Engineer. contractor to submit the shop drawings for approval etc. complete in all respects as per drawing, specifications, and or as directed by the consultant / Engineer. (Ironmongery/ Hardware such as Hinges, Tower bolts, Locks, Handle, door stopper, kick & push plate,etc measured separately for the payments.)														
	D1		45	Sqm	6825	307,125.00	10,620.00	477,900.00	55.60	15,000.00	675,000.00	119.78	9,100.00	409,500.00	33.33
	D2		10	Sqm	6825	68,250.00	10,620.00	106,200.00	55.60	15,000.00	150,000.00	119.78	10,140.00	101,400.00	48.57
	AMMOUNT CARRIED TO CIVIL SUMMARY					432,075.00		720,400.00			945,000.00			1,303,900.00	

ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF OFFICE ACCOMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
ENGINEERING ESTIMATE						M/S HAJI SIRAJ SOOMRO				S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
PART-D															
7	ALUMINIUM WINDOWS / VENTILATORS Providing, fabricating and fixing anodized / powder coated premium quality aluminum windows and ventilators (Fixed, sliding, hinged & openable), including flyproof mesh, using Pakistan Cable or equivalent approved manufacturers including 6mm thick tempered glass (tempering works to be carried out only by manufacturer certified company), fixed to concrete or masonry surfaces using color anodized long screws with nylon plugs, for window and ventilators, hinges, stainless steel rollers, locking arrangements, handles stays, PVC glazing bead and whether strips, Caulking with approved caulking compound etc. complete in all respect, as per drawings and specifications and all works to be carried out to the satisfaction of Engineer.														
	W1	25	sqm	8,473.50	211,837.50	26,550.00	663,750.00	213.33	3,000.00	75,000.00	(64.60)	10,400.00	260,000.00	22.74	
AMOUNT CARRIED TO CIVIL SUMMARY						211,837.50	663,750.00			75,000.00			260,000.00		
8	INTERNAL FLOOR FINISHING All items under this head to be carried out as per specifications, Drawings, relevant BSI/ASTM Standards, complete in all respect to the entire satisfaction of the Employer, and following Sections of the Technical Specifications. Rates shall be applicable on all types of building/structures shown in the drawings under this contract.														
8.1	Providing, and laying 3" (75mm) thick PCC grey cement screed concrete 1:2:4 floor temped finish as per drawing including compacting, paneling, leveling, finishing and curing (over all thickness shown in drawings) etc. complete in all respects as per specifications and as directed by the Engineer.														
	Ground Floor	20	sqm	960.33	19,206.60	2,124.00	42,480.00	121.17	2,000.00	40,000.00	108.26	715.00	14,300.00	(25.55)	
8.2	PORCELAIN TILES FLOORING Providing, laying and fixing <i>full body Porcelain tiles</i> flooring. Porcelain tiles either Plane/smooth or Texture of approved color on floor of approved manufacturer but not china made according to the finishing schedule with borders, patterns, color and design in any floor & any height including 1:6 leveled screed bedding mortar with Dry Bond slurry, jointing the tiles with joint filler of approved quality grouting material (overall thickness as shown in the drawings) complete in all respect, as per drawings, specifications and as directed by the Engineer.														
i)	Porcelain tiles (Matte) finish of approved colour & size ground floor	18	sqm	3743.25	67,378.50	5,310.00	95,580.00	41.86	2,000.00	36,000.00	(46.57)	3,900.00	70,200.00	4.19	
	Porcelain tiles (Glazed) finish of approved colour & size ground floor	20	sqm	3743.25	74,865.00	5,310.00	106,200.00	41.86	2,000.00	40,000.00	(46.57)	3,699.80	73,996.00	(1.16)	



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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI PIPRI, KARACHI
 CONSTRUCTION OF OFFICE ACCOMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
	GRANITE ON STEPS (TREAD, RISER) Providing and laying of imported pre-polished Granite 20mm thick tiles/slab of approved Jet black colors, borders & patterns with 3 groove at nosing including 3 nos of rubber strips as per design, V-joint between slabs, including jointing in colored/white cement, sand mortar 1:1 including 1:4 cement screed for bedding with Dry bond etc. (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer. (Base rate of tile/slab (Only) Rs.750/-per Sft)		6	sqm	9450	56,700.00	26,550.00	159,300.00	180.95	15,000.00	90,000.00	58.73	14,300.00	85,800.00	51.32
	C.C CHIPS TILES ON STEPS (TREAD, RISER) Providing and laying of cement concrete (CC) tiles bull nosing in one/full piece 1" thick (without base mortar) for <i>stair case trade</i> with 3 groove at nosing including 3 nos of rubber strips as per design including 1:4 cement screed for bedding with Dry bond etc. (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.		8	sqm	2940	23,520.00	2,213.00	17,704.00	(24.73)	2,500.00	20,000.00	(14.97)	5,200.00	41,600.00	76.87
	Providing and laying of cement concrete (CC) in one/full piece 1/2" thick for <i>stair case riser</i> including 1:4 cement screed for bedding with Dry bond etc. (overall thickness as shown in the drawings) complete in all respect as per drawings, specifications and to the instructions of the Engineer.		8	sqm	682.5	5,460.00	2,213.00	17,704.00	224.25	15,000.00	120,000.00	2,097.80	65,000.00	520,000.00	9,423.81
	GRANITE COUNTER TOP Providing, laying and fixing imported pre-polished Granite 20mm thick counter top as per drawing & finishing schedule in any floor activities include 1-1/2" thick RCC slab, 1:4 C.S mortar, fixing on wall including cutting/chiseling in RCC / CC members etc., jointing, grouting, chamfering edging , finishing, maintaining proper level with curing at any height / floor etc. where required, complete in all respect, as per drawings, specifications and or as directed by the consultant / Engineer. (Base rate of tile/slab (Only) Rs.850/-per Sft)		8	sqm	9975	79,800.00	26,550.00	212,400.00	166.17	15,000.00	120,000.00	50.38	16,900.00	135,200.00	69.42
	Providing and making Planter as shown on drawing all works comprising of it waterproofing including (puddlo plaster on internal walls with bitumen coating) and other related works etc., complete in all respects as per drawing, standard , specifications and direction of the Engineer.		20	sqm	367.5	7,350.00	3,540.00	70,800.00	863.27	1,000.00	20,000.00	172.11	13,000.00	260,000.00	3,437.41
	AMOUNT CARRIED TO CIVIL SUMMARY					334,280.10		722,168.00			486,000.00			1,201,096.00	

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KANACHI
 CONSTRUCTION OF OFFICE ACCOMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
					ENGINEERING ESTIMATE		M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
9	INTERNAL WALL FINISHES														
9.1	Providing and applying 1/2" (12mm) thick 1:4 cement sand plaster on internal walls, columns, beams, lintels, staircase etc. using expanded metal mesh on joints, electrical conduits, corner beads, chamfered edges, rounding off corner etc. including scaffolding, including MS Plaster stop as per drawings on edges and corners etc. complete in all respects as per specification, relevant drawings and as directed by Engineer. Ground Floor		700	sqm	525	367,500.00	620.00	434,000.00	18.10	1,000.00	700,000.00	90.48	284.71	199,297.00	(45.77)
9.2	Providing and applying 3 coats of matt enamel /matt finish paint (of approved manufacturer) of approved quality and shade on walls including surface preparation, primer coat, filling, cutting etc., as per manufacturer's recommendations and directed by the Engineer. Ground Floor		700	sqm	282.45	197,715.00	620.00	434,000.00	119.51	1,500.00	1,050,000.00	431.07	618.93	433,251.00	119.13
9.3	PORCELAIN TILES DADO/SKIRTING Providing and fixing Half body Porcelain either Plane/smooth or Texture of approved make but not china made & color on internal walls (Skirting & Dado), columns etc., according to finishing schedule with borders, patterns and design including 20mm thick 1:4 CS mortar and approved quality grouting material for filling, jointing, chipping and tucking of existing wall/columns etc. where required (overall thickness as shown in the drawings) complete in all respect specifications and or as directed by the consultant / Engineer.														
	i) Porcelain tiles (Glazed) finish of approved colour & size. (Base rate of tile (Only) 1650/-per Sqm) Ground Floor		250	sqm	3465	866,250.00	5,310.00	1,327,500.00	53.25	1,500.00	375,000.00	(56.71)	3,055.00	763,750.00	(11.83)
			AMOUNT CARRIED TO CIVIL SUMMARY			1,431,465.00		2,195,500.00			2,125,000.00			1,396,298.00	
10	INTERNAL CEILING FINISHES														
	CEILING PLASTER														
10.1	Providing and applying 1/2" thick 1:4 simple cement sand plaster on internal ceiling etc., including tucking, chipping on existing surface etc., scaffolding, curing etc. complete in all respects as per drawing, specifications and or as directed by the consultant / Engineer. Ground Floor		200	sqm	525	105,000.00	620.00	124,000.00	18.10	1,200.00	240,000.00	128.57	312.00	62,400.00	(40.57)
	Providing and applying 3 coats of matt enamel paint of approved manufacturer of approved jet black color on ceiling & walls (On walls above false ceiling level) including surface preparation, primer coat, filling putty etc. complete in all respect, as per specifications and or as directed by the consultant / Engineer. Ground Floor		200	sqm	296.57	59,314.00	620.00	124,000.00	109.06	1,500.00	300,000.00	405.78	650.00	130,000.00	119.17
			AMOUNT CARRIED TO CIVIL SUMMARY			164,314.00		248,000.00			540,000.00			192,400.00	

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ADDITIONAL 65MGD WATER SUPPLY SCHEME FROM HALEJI TO PIPRI, KARACHI
 CONSTRUCTION OF OFFICE ACCOMODATION AT HALEJI LAKE (CIVIL STRUCTURE WORKS)
 COMPARATIVE STATEMENT & EVALUATION (PACKAGE -1)

S.No	DESCRIPTION	No	QTY	UNIT	RATES (Rs.)	AMOUNT	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)	RATES (Rs.)	AMOUNT	AMOUNT INCREASE /DECREASE IN PERCENTAGE (%)
						ENGINEERING ESTIMATE	M/S HAJI SIRAJ SOOMRO			S.A. D.BALUCH (PVT) LTD			NATIONAL LOGISTICS CELL		
PART-H															
11	EXTERNAL FINISHES (BUILDING)														
	EXTERNAL PLASTER														
11.1	Providing and applying 3/4" thick Rough Cast cement sand of 1:6 plaster on external walls, coloumns or where required etc, using expanded metal mesh on cc & Rcc joints including scaffolding, curing etc. complete in all respect as per drawing, specifications and as directed by the consultant / Engineer.		200	sqm	395.43	79,086.00	797.00	159,400.00	101.55	1,500.00	300,000.00	279.33	516.36	103,272.00	30.58
11.2	Providing and applying 3/4" thick 1:6 Fair face grooved cement sand plaster on external walls, columns or where required at any height & any floor etc, using white & Grey cement approved by the Engineer including corner beads, chamfered edges, rounding off corneretc. including scaffolding, curing etc. complete in all respects as per drawing, specifications and or as directed by the consultant / Engineer.		200	sqm	395.43	79,086.00	797.00	159,400.00	101.55	1,500.00	300,000.00	279.33	585.00	117,000.00	47.94
11.3	EXTERNAL PAINT (WEATHER SHIELD) Providing and applying 3 coats of Weather Shield Paint (of approved mustered color shade texture by approved equivalent manufacturer) on External Walls, Ceilings and where required at any height & any floor as shown on drawings, complete in all respect as per drawing, specifications and or as directed by the consultant / Engineer.		200	sqm	420	84,000.00	620.00	124,000.00	47.62	1,500.00	300,000.00	257.14	330.98	66,196.00	(21.20)
						AMOUNT CARRIED TO CIVIL SUMMARY		242,172.00			900,000.00			286,468.00	
12	INTERNAL ELECTRICAL WORKS Providing electrical points complete as per specification and drawings / as instructed by engineer. (% per sqm of covered area)		250	sqm	1,260.00	315,000.00	2,655.00	663,750.00	110.71	2,000.00	500,000.00	58.73	9,360.00	2,340,000.00	642.86
						AMOUNT CARRIED TO ELECTRICAL SUMMARY		315,000.00			500,000.00			2,340,000.00	
13	INTERNAL PLUMBING WORKS Providing Plumbing works and pipes and accessiors complete as per specification and drawings / as instructed by engineer (% per sqm of covered area)		250	sqm	682.50	170,625.00	2,655.00	663,750.00	289.01	2,000.00	500,000.00	193.04	6,760.00	1,690,000.00	890.48
						AMOUNT CARRIED TO PLUMBING SUMMARY		170,625.00			500,000.00			1,690,000.00	
						TOTAL AMOUNT OFFICE ACCOMODATION AT HALEJI LAKE		8,293,411.42			13,226,000.00			14,914,460.28	