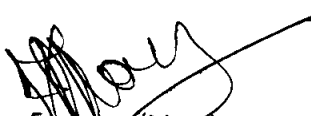
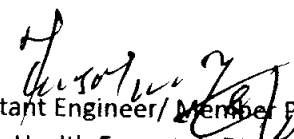



**BID EVALUATION REPORTS.**

S.No.	Name of Firm or Bidder	Cost offered by the Bidder	Ranking in terms of Cost	Estimated Cost	Reason for Acceptance/ Rejection	Remarks
<b>A)</b>	<b>Providing Laying Jointing and Testing P.E Pressure pipe (PN-8) 12" dia &amp; uPVC pressure pipe 10" 8" 6" 4" 3" dia for Urban Water Supply Scheme Thull</b>					
1	Engineering Links International Bungalow No.F-79/A View Phase-II Near Defence Public School Karachi	17567890.00	1st Lowest	21490305.00	Acceptance	To be recommended for award
2	Mr. Muhammad Malook Kato R/O Village Hamayon Taluka & District Shikarpur	17960584.00	2nd Lowest	21490305.00	Rejected	--
3	M/S Jam Brother R/O (Jam Fida Hussain House )Alama Iqbal Town Rahim Yar Khan	18456619.00	3rd Lowest	21490305.00	Rejected	--
4	M/S Raza Khan Mandokhel r/o Bilalabad, Block-S, House #P-519 North Nazimabad Karachi	19221339.00	4th Lowest	21490305.00	Rejected	--
<b>B)</b>	<b>Construction of Semi Pacca Storage Tank with Brick lined Storage Tank No.I &amp; II at Begari Canal for Urban Water Supply Scheme Thull</b>					
1	Engineering Links International Bungalow No.F-79/A View Phase-II Near Defence Public School Karachi	26526777.00	1st Lowest	44348384.00	Acceptance	To be recommended for award
2	Abdul Khaliq Dayo R/O Near Dargah Daman Ali Shah Taluka Thull District Jacobabad	27658586.00	2nd Lowest	44348384.00	Rejected	--
3	Muhammad Saleh Abro & Sons R/O P.O Hamayoon District Shikarpur	31443073.00	3rd Lowest	44348384.00	Rejected	--
4	M/S Jam Brother R/O (Jam Fida Hussain House )Alama Iqbal Town Rahim Yar Khan	38163190.00	4th Lowest	44348384.00	Rejected	--

  
Executive Engineer/Member PC  
Highways Division  
Jacobabad

  
Assistant Engineer/Member PC  
Public Health Engg: Sub-Division  
No.1 Jacobabad

  
Executive Engineer/Chairman PC  
Public Health Engg: Division  
Jacobabad

**PUBLIC HEALTH ENGINEERING DIVISION JACOBABAD**  
**TECHNICAL EVALUATION REPORT**

Standardized adopted procedure for Technical evaluation of work of Construction of Semi Pacca Storage Tank with Brick lined Storage Tank No.1 & II @ Begari Canal for Urban Water Supply Scheme Thull.

S#	Name of the Bidder	Technical Requirement						Remarks
		PEC Licence	Works Experience of similar nature and complexity	Personnel Capabilities required	Equipment Capability	Financial Soundness/Status	Total Marks	
	Required Marks	10	30	20	10	10	80	
1	Mr. Abdul Khalique Dayo	10	25	12	5	10	62	Profile of company provided was found satisfactory.
2	Mr. Muhammad Saleh Abro	10	0	15	10	10	45	failed to provide documentary evidence for work experience in Construction of Storage Tank.
3	M/S Engineering Links International	10	15	17	10	10	62	Profile of company provided was found satisfactory.
4	M/S Jam Brothers	10	0	20	10	10	50	failed to provide documentary evidence for work experience in Construction of Storage Tanks

  
 Executive Engineer/Member PC  
 Highways Division  
 Jacobabad

  
 Assistant Engineer/Member PC  
 Public Health Engg. Sub-Division  
 No.1 Jacobabad


  
 Executive Engineer/Chairman PC  
 Public Health Engg. Division  
 Jacobabad


**PUBLIC HEALTH ENGINEERING DIVISION JACOBABAD**  
**TECHNICAL EVALUATION REPORT**

Standardized adopted procedure for Technical evaluation of work of Providing, Laying, Jointing and Testing P.E Pressure pipe (PN-08) 12" dia uPVC pressure pipe 10", 8", 6", 4", & 3" dia for Urban Water Supply Scheme Thull.

S#	Name of the Bidder	Technical Requirement						Remarks
		PEC Licence	Works Experience of similar nature and complexity	Personnel Capabilities required	Equipment Capability	Financial Soundness/Status	Total Marks	
	<b>Required Marks</b>	<b>10</b>	<b>30</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>80</b>	
1	M/S Engineering Links International	10	25	15	10	10	70	Profile of company provided was found quite satisfactory.
2	Mr. Muhammad Malook	2	0	20	10	10	42	Failed to provide documentary evidence for PEC Licence valid upto December 2013, work of experience in Providing Laying, Jointing uPVC Pipe.
3	M/S Jam Brothers	10	0	20	10	10	50	Failed to provide documentary evidence for work experience in Providing, Laying, Jointing P.E Pipe and uPVC Pipe.
4	M/S Raza Khan Mandokhel	0	20	20	10	10	60	Failed to provide documentary evidence for PEC Licence valid upto December 2013

  
Executive Engineer/Member PC  
Highways Division  
Jacobabad


  
Assistant Engineer/Member PC  
Public Health Engg. Sub-Division  
No.1 Jacobabad


  
Executive Engineer/Chairman PC  
Public Health Engg. Division  
Jacobabad


**PUBLIC HEALTH ENGINEERING DIVISION JACOBABAD**  
**TECHNICAL EVALUATION REPORT**

Standardized adopted procedure for Technical evaluation of work of Construction of Semi Pacca Storage Tank with Brick lined Storage Tank No.I & II @ Begari Canal for Urban Water Supply Scheme Thull.

S#	Name of the Bidder	Technical Requirement						Remarks
		PEC Licence	Works Experience of similar nature and complexity	Personnel Capabilities required	Equipment Capability	Financial Soundness/Status	Total Marks	
	Required Marks	10	30	20	10	10	80	
1	Mr. Abdul Khaliq Dayo	10	25	12	5	10	62	Profile of company provided was found satisfactory.
2	Mr. Muhammad Saleh Abro	10	0	15	10	10	45	failed to provide documentary evidence for work experience in Construction of Storage Tank.
3	M/S Engineering Links International	10	15	17	10	10	62	Profile of company provided was found satisfactory.
4	M/S Jam Brothers	10	0	20	10	10	50	failed to provide documentary evidence for work experience in Construction of Storage Tanks

  
Executive Engineer Member PC  
Highways Division  
Jacobabad

  
Assistant Engineer Member PC  
Public Health Engg. Sub-Division  
No.1 Jacobabad


  
Executive Engineer/Chairman PC  
Public Health Engg. Division  
Jacobabad


**PUBLIC HEALTH ENGINEERING DIVISION JACOBABAD**  
**TECHNICAL EVALUATION REPORT**

Standardized adopted procedure for Technical evaluation of work of Providing, Laying, Jointing and Testing P.E Pressure pipe (PN-08) 12" dia uPVC pressure pipe 10", 8", 6", 4", & 3" dia for Urban Water Supply Scheme Thull.

S#	Name of the Bidder	Technical Requirement						Remarks
		PEC Licence	Works Experience of similar nature and complexity	Personnel Capabilities required	Equipment Capability	Financial Soundness/Status	Total Marks	
	Required Marks	10	30	20	10	10	80	
1	M/S Engineering Links International	10	25	15	10	10	70	Profile of company provided was found quite satisfactory.
2	Mr. Muhammad Malook	2	0	20	10	10	42	Failed to provide documentary evidence for PEC Licence valid upto December 2013, work of experience in Providing Laying, Jointing uPVC Pipe.
3	M/S Jam Brothers	10	0	20	10	10	50	Failed to provide documentary evidence for work experience in Providing, Laying, Jointing P.E Pipe and uPVC Pipe.
4	M/S Raza Khan Mandokhel	0	20	20	10	10	60	Failed to provide documentary evidence for PEC Licence valid upto December 2013


  
Executive Engineer/Member PC  
Highways Division  
Jacobabad


  
Assistant Engineer/Member PC  
Public Health Engg. Sub-Division  
No. 1 Jacobabad


  
Executive Engineer/Chairman PC  
Public Health Engg. Division  
Jacobabad

**BID EVALUATION REPORTS.**

S.No	Name of Firm or Bidder	Cost offered by the Bidder	Ranking in terms of Cost	Estimated Cost	Reason for Acceptance/ Rejection	Remarks
<b>A) Providing Laying Jointing and Testing P.E Pressure pipe (PN-8) 12" dia &amp; uPVC pressure pipe 10" 8" 6" 4" 3" dia for Urban Water Supply Scheme Thull</b>						
1	Engineering Links International Bungalow No.F-79/A View Phase-II Near Defence Public School Karachi	17567890.00	1st Lowest	21490305.00	Acceptance	To be recommended for award
2	Mr.Muhammad Malook Kato R/O Village Hamayon Taluka & District Shikarpur	17960584.00	2nd Lowest	21490305.00	Rejected	--
3	M/S Jam Brother R/O (Jam Fida Hussain House )Alama Iqbal Town Rahim Yar Khan	18456619.00	3rd Lowest	21490305.00	Rejected	--
4	M/S Raza Khan Mandokhel r/o Bilalabad, Block-S, House #P-519 North Nazimabad Karachi	19221339.00	4th Lowest	21490305.00	Rejected	--
<b>B) Construction of Semi Pacca Storage Tank with Brick lined Storage Tank No.I &amp; II at Begari Canal for Urban Water Supply Scheme Thull</b>						
1	Engineering Links International Bungalow No.F-79/A View Phase-II Near Defence Public School Karachi	26526777.00	1st Lowest	44348384.00	Acceptance	To be recommended for award
2	Abdul Khalique Dayo R/O Near Dargah Daman Ali Shah Taluka Thull District Jacobabad	27658586.00	2nd Lowest	44348384.00	Rejected	--
3	Muhammad Saleh Abro & Sons R/O P.O Hamayoon District Shikarpur	31443073.00	3rd Lowest	44348384.00	Rejected	--
4	M/S Jam Brother R/O (Jam Fida Hussain House )Alama Iqbal Town Rahim Yar Khan	38163190.00	4th Lowest	44348384.00	Rejected	--

  
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Highways Division  
Jacobabad

  
Assistant Engineer/Member PC  
Public Health Engg: Sub-Division  
No.1 Jacobabad

  
Executive Engineer/Chairman PC  
Public Health Engg: Division  
Jacobabad

## COMPARATIVE STATEMENT

**Name of Work**

Providing Laying Jointing and Testing P.E Pressure pipe (PN-08) 12" dia Upvc pipe pressure pipe 10", 8", 6", 4" & 3" dia for Urban Water Supply Scheme Thall.

23-9-13  
NIT No. TC/585 Dated 04/10/2013

**Sanctioned by**

Chief Engineer, Public Health Engineering Department Government of Sindh Hyderabad vide No. DB/G-148/ J/S Dated 21-10-2013

Corrigendum No. TC/618 D 11/10/2013

Date of issue & opening 30/10/2013

**Estimated Cost Rs.** 21,490,305.00

	Estimated Cost.	ITEM	NAME OF CONTRACTORS			
			Rate quoted by Engineering Link International -15.00% below Sch(B)	Rate quoted by Mr. Muhammad Malook -13.10% above Sch(B)	Rate quoted by M/S Jam Brothers -10.70% above Sch(B)	Rate quoted by M/S Raza Khan Mandokhel -7.00% above Sch(B)
Sch. Item	20,668,106.00	Schedule Items	✓ 20,668,106.00	20,668,106.00	20,668,106.00	20,668,106.00
Non Sch. Item	-	Non Schedule Items	-	-	-	-
Cartage	787,799.00	Contractor quoted rate	✓ (3,100,216.00)	(2,707,522.00)	(2,211,487.00)	(1,440,707.00)
Diff Bricks	-	Add Diff of cost of Material	-	-	-	-
Diff Cement	-	Tentative tender Cast	✓ 17,960,584.00	17,960,584.00	18,456,619.00	19,221,339.00
Diff Steel	-	Less Est. Cost.	21,490,305.00	21,490,305.00	21,490,305.00	21,490,305.00
Contractor Profit 10%	34,400.00	Diff:	(3,922,415.00)	(3,529,721.00)	(3,033,686.00)	(2,268,966.00)
Ceiling Premium 20%	-					
<b>Est. Cost.</b>	<b>21,490,305.00</b>	<b>%age below Est.</b>	<b>-18.25%</b>	<b>-16.42%</b>	<b>-14.12%</b>	<b>-10.56%</b>

**Note 1**

The payment of escalation of prices of Cement, Steel, Bricks & wood etc will be paid subject to enhance of market rate at the date of execution of work at site in terms of special clause-57 of B1 Agreement.

**Note 2**

Lowest rate quoted by M/S Engineering Link International Government Contractor at Rs.-15% below the schedule of rates which comes to Rs.-18.25% below the Estimated cost and is found lowest in competition, hence recommended for approval.

(Saeed Ahmed Rajput)  
Divisional Accounts Officer  
Public Health Engg. Division  
Jacobsabad

(Sabir Ali Shaith)  
Executive Engineer  
Public Health Engg. Division  
Jacot abad

Executive Engineer  
Public Health Engg. Division  
Jacobsabad

NO.DB/DWE/ 115 of 2013  
OFFICE OF THE CHIEF ENGINEER  
PUBLIC HEALTH ENGINEERING DEPARTMENT  
GOVERNMENT OF SINDH, SUKKUR  
Sukkur Dated. 21/10/2013

Phone No.071-5631503  
Fax No.071-5631501 (Email Add: cephedsukkur@gmail.com)  
To,

The Superintending Engineer,  
Public Health Engineering Circle,  
Larkana.

Subject: **DETAILED WORKING ESTIMATE FOR PROVIDING, LAYING, JOINTING & TESTING P.E PRESSURE PIPE (PN-08) 12" DIA & uPVC PRESSURE PIPE 10", 8", 6", 4" & 3" DIA FOR URBAN WATER SUPPLY SCHEME THULL TALUKA THULL DISTRICT JACOBABAD.**

Reference: Your office letter bearing No.DB/PHED/1862 dated, 11/10/2013.

Above subjected Detailed Working Estimate is returned herewith duly technically sanctioned for Rs.2,14,90,000/- (Rupees Two Crore Fourteen Lac & Ninety Thousand) only against the Administrative Approval of the scheme for Rs.585.700 Million accorded by Government of Sindh, Karachi vide No:FD.SO(Dev-I)20(PHE) AA/09-10-P-II Dated, 11/05/2012.


The above technical sanction is issue in accordance with the power laid down by the Government under delegation of financial power rules.

The expenditure should be controlled according by observing codal formalities strict financial regularity of fund.

The expenditure would debited to the Head of Account "06-Housing and Community Amenities (Capital), 063-Water Supply, 0631-Water Supply, 063102-Works (Construction) and Operation" for water Supply Scheme.

Also before making the payment, it should be ensured that P.E Pressure Pipe dia as wells as uPVC Pressure Pipe required dia are supplied from reputed Company and such invoices shall be obtained.

D.V/As Above.

  
(Ram Chand P. Sanjhira)  
CHIEF ENGINEER  
PUBLIC HEALTH ENGG. DEPT.  
GOVERNMENT OF SINDH  
SUUKUR

C.C to the

- Executive Engineer, Public Health Engg: Division, Jacobabad for information.



PUBLIC HEALTH ENGINEERING DIVISION JACOBABAD



GOVERNMENT OF SINDH

Detailed Working Estimate of Providing laying, Joining  
Testing PE Pressure Pipe (PN-08) 12" dia & uPvc pressure  
pipe 10", 8", 6", 4" & 3" dia for Urban Water Supply  
Scheme Thal District Jacobabad

2,14,98,000/-  
COST RS. 2147+000/-

# PUBLIC HEALTH ENGINEERING DIVISION JACOBABAD

PUBLIC HEALTH ENGINEERING DIVISION JACOBABAD

Provincial ADP 2011-12

dt/

Detailed Working Estimate of Providing laying Jointing Testing PE Pressure Pipe (PN-08) 12" dia & uPvc presure pipe 10",8",6",4" & 3" dia for Urban Water Supply Scheme Thul District Jacobabad

The F/W/ Estimate has been prepared in the office of the Executive Engineer Public Health Engineering Division Jacobabad for the probable expenditue that will be incurred on the named scheme.

Estimated cost Rs.

2,14,70,000/-  
→ 2,14,70,000/-

## GENERAL DESCRIPTION

As per provision in ADP 2011-12 under ADP#496 for Urban Water Supply Thul (Improvement & Extention) , the Detailed Cost Estimate for Providing laying Jointing PE Pressure Pipe (PN-08) 12" dia & uPvc presure pipe 10",8",6",4" & 3" dia for Urban Water Supply Scheme Thul has been prepared, provision already made in Sanctioned Estimate.

The Rates are provided Public Health Engineering Schedule items, Composite Schedule Items and Schedule of Rates.

The work will be carried out as per PWD/PIE Specifications.

Assistant Engineer

Public Health Engineering S/Division  
Thul

Executive Engineer

Public Health Engineering Division  
Jacobabad

Final Working Estimate of Providing laying Jointing Testing PE Pressure Pipe (PN-08) 12" dia  
& uPvc pressure pipe 10", 8", 6", 4" & 3" dia for Urban Water Supply Scheme Thul District  
Jacobabad

Installation & Removing road metalling (CSI.No.51,P-13)

For 12" dia PE Pipe

1 x <sup>600</sup> 1100.0 x 2.50 x 1.00 = 2750.00 Cft

For 10" dia uPvc

1 x <sup>600</sup> 1000.0 x 2.50 x 1.00 = 5000.00 Cft

For 8" dia uPvc

1 x <sup>1300</sup> 3000.0 x 2.25 x 1.00 = 6750.00 Cft

Total = 14500.00 Cft

<sup>7375.00</sup>

Qty. 14500.00 Cft

@ Rs. 605.00

P-% Cft

Rs. <sup>44619/-</sup> 87725.00

Installation of Cement Concrete Plain (1:2:4) (CSI.No.19.C P-10)

For 6" dia uPvc

1 x <sup>300</sup> 5125.0 x 2.25 x <sup>0.25</sup> 0.50 = <sup>1688</sup> 6765.63 Cft

For 4" dia uPvc

1 x <sup>600</sup> 19200.0 x 2.00 x <sup>0.25</sup> 0.50 = 9000.00 Cft

For 3" dia uPvc

1 x <sup>7000</sup> 11275.0 x 2.00 x <sup>0.25</sup> 0.50 = 3500.00 Cft

Total 29240.63 Cft

<sup>8138</sup>

Qty. 29240.63 Cft

@ Rs. <sup>3327.50</sup> 3327.50

P-% Cft

Rs. <sup>272463/-</sup> 272982.00

Excavation for pipelines in trenches and pits in soft soil i/c trimming of any sides to true alignment and shape leveling of beds of trenches to correct level and grad cutting joint holes providing for manholes light flags and temporary crossing for non vehicular traffic where ever required lift upto 5' and lead into one (CSI.No.11,P-10) Cft

For 12" dia PE Pipe

1 x <sup>600</sup> 1100.0 x 2.50 x 3.00 = 8250.00 Cft

1 x 1100.0 x 2.50 x 4.00 = 11000.00 Cft

For 10" dia uPvc

1 x <sup>600</sup> 1000.0 x 2.50 x 3.00 = 7500.00 Cft

1 x 3000.0 x 2.50 x 4.00 = 30000.00 Cft

For 8" dia uPvc

1 x <sup>1300</sup> 3000.0 x 2.25 x 2.75 = 9281.25 Cft

Total 14562.50 Cft

Working Estimate of Providing laying Jointing Testing PE Pressure Pipe (PN-08) 12" dia & uPvc pressure pipe 10", 8", 6", 4" & 3" dia for Urban Water Supply Scheme Thul District Jacobabad

1. For metalting & Removing road metalting (CSI.No.51,P-13)

For 12" dia PE Pipe

1 x <sup>600</sup> 1100.0 x 2.50 x 1.00 = 2750.00 Cft  
~~1500~~

For 10" dia uPvc

1 x <sup>✓</sup> 1000.0 x 2.50 x 1.00 = 5000.00 Cft  
~~2500~~

for 8" dia uPvc

1 x <sup>1500</sup> 3000.0 x 2.25 x 1.00 = 6750.00 Cft  
~~3375~~

Total = 14500.00 Cft

<sup>7375</sup> 7375.00

Qty: 14500.00 Cft @ Rs. 605.00 P-% Cft Rs. <sup>44619/</sup> 87725.00

2. For metalting Cement Concrete Plain (1:2:4) (CSI.No.19,C P-10)

For 6" dia uPvc

1 x <sup>3000</sup> 5125.0 x 2.25 x <sup>0.25</sup> 0.50 = 6765.63 Cft  
~~1688~~

For 4" dia uPvc

1 x <sup>6000</sup> 12200.0 x 2.00 x <sup>0.25</sup> 0.50 = 12200.00 Cft  
~~3000~~

For 3" dia uPvc

1 x <sup>7000</sup> 12750.0 x 2.00 x <sup>0.25</sup> 0.50 = 11275.00 Cft  
~~3500~~

Total = 29240.63 Cft

<sup>8138</sup> 8138

Qty: 29240.63 Cft @ Rs. <sup>3327/59</sup> 3327.50 P-% Cft Rs. <sup>272463/</sup> 372982.00

Excavation for pipelines in trenches and pits in soft soil i/c trimming digging sides to true alignment and shape leveling c' beds of trenches to correct level and grad cutting joint holes providing trench guards lights, flags and temporary crossing for non vehicular traffic where ever required lift upto 5' and lead upto one chain (P.H.S.I No 1, P 46) 6'

For 12" dia PE Pipe

1 x <sup>600</sup> 1100.0 x 2.50 x 3.00 = 8250.00 Cft  
~~4500~~

1 x 1100.0 x 2.50 x 4.00 = 11000.00 Cft

For 10" dia uPvc

1 x <sup>1600</sup> 1000.0 x 2.50 x 3.00 = 15000.00 Cft  
~~7500~~

1 x 2000.0 x 2.50 x 4.00 = 20000.00 Cft

For 8" dia uPvc

1 x <sup>1500</sup> 3000.0 x 2.25 x 2.75 = 18662.50 Cft  
~~9281.25~~

*[Handwritten signature]*

For 6" dia uPvc	1	x	8000.0	x	2.25	x	3.75
	1	x	5125.0	x	2.25	x	3.00
	1	x	5125.0	x	2.25	x	3.50
For 4" dia uPvc	1	x	12200.0	x	2.00	x	2.50
	1	x	12200.0	x	2.00	x	2.50
For 3" dia uPvc	1	x	11275.0	x	2.00	x	2.50
	1	x	11275.0	x	2.00	x	3.00

=	26312.50	CR
=	34593.75	CR
=	40359.38	CR
=	61000.00	CR
=	61000.00	CR
=	56375.00	CR
=	67650.00	CR
=	419103.13	CR

Qty: 419103.13 CR @ Rs 3500.00 P-% CR Rs. 1508774.00

4. Providing P.V.C Pipe of class "B" (equivalent make) fixing in trench with bedding filling and jointing with "Z" joint with one rubber Rising if bedding with water to head of 61 meter or 200 ft. (PHSI No.E1,P-22)

For 10" dia uPvc

1	x	4000.0	=	4000.00	CR	
Qty:	4000.00	Rft	@ Rs.	721.00	P.Rft	Rs. 2884000.00

For 8" dia uPvc

1	x	6000.0	=	6000.00	CR	
Qty:	6000.00	Rft	@ Rs.	402.00	P.Rft	Rs. 2412000.00

For 6" dia uPvc

1	x	10250.0	=	10250.00	CR	
Qty:	10250.00	Rft	@ Rs.	262.00	P.Rft	Rs. 2685500.00

For 4" dia uPvc

1	x	24400.0	=	24400.00	CR	
Qty:	24400.00	Rft	@ Rs.	137.00	P.Rft	Rs. 3342800.00

For 3" dia uPvc

1	x	22550.0	=	22550.00	CR	
Qty:	22550.00	Rft	@ Rs.	90.00	P.Rft	Rs. 2029500.00

*[Faint handwritten notes and stamps at the bottom right corner]*

Providing laying jointing P.E pipes & fixing in trenches i/c  
 BEng, jointing & testing etc complete in all respect the high density  
 polyethylene PE pipes (HDPE-100) for W/S conforming ISO  
 24577/DIN8074/BS075 B.S 3580 & PSI 3051..(PHSI No:P1,P-25)

For 12" dia 315 mm PE Pipe PN-08

Qty: 1 x 2200.00 = 2200.00 Cit  
 @ Rs. 1635.00 P.Rft Rs. 3597000.00

6 Cast Iron Specials for AC Pressure Pipes Standard weight for  
 A & B Class (S.MI.No.1,P-12)

(i) CI Bend 90 for (S.MI.No1,P-99)

12" Dia PE Pipe (P.P. 1/1000)

Qty: 1 x 2.0 = 2.0 No  
 Total = 2.0 Nos

Qty: 2.00 Nos @ Rs. 1344.00 Each Rs. 2688.00  
~~9612.50~~

12" Dia uPvc Pipe (S. J. met = 100 (P-99))

Qty: 1 x 2.0 = 2.0 No  
 Total = 2.0 Nos

Qty: 2.00 Nos @ Rs. 6652.50 Each Rs. 13325.00

8" Dia uPvc Pipe

Qty: 1 x 1.0 = 1.0 No  
 Total = 1.0 Nos

Qty: 1.00 Nos @ Rs. 3312.50 Each Rs. 3313.00

6" Dia uPvc Pipe

Qty: 1 x 3.0 = 3.0 No  
 Total = 3.0 Nos

Qty: 3.00 Nos @ Rs. 2212.50 Each Rs. 6638.00

4" Dia uPvc Pipe

Qty: 1 x 6.0 = 6.0 No  
 Total = 6.0 Nos

Qty: 6.00 Nos @ Rs. 893.75 Each Rs. 5363.00  
~~493.75~~

3" Dia uPvc Pipe

Qty: 1 x 9.0 = 9.0 No  
 Total = 9.0 Nos

Qty: 9.00 Nos @ Rs. 650.00 Each Rs. 5850.00

GI Bend 45 for (SMI.No2,P-99)

1" Dia uPvc Pipe *P.V. Elbow 45*  
1 x 2.0

$$\text{Total} = \frac{2.0 \text{ Nos}}{2.0 \text{ Nos}}$$

*2-1506*  
Rs. *19163.00*

Qty. 2.00 Nos @ Rs. *10753*

1" Dia uPvc Pipe  
1 x 2.0

$$\text{Total} = \frac{2.0 \text{ Nos}}{2.0 \text{ Nos}}$$

Qty. 2.00 Nos @ Rs. 5037.50

Each Rs. 10075.00

1" Dia uPvc Pipe  
1 x 2.0

$$\text{Total} = \frac{2.0 \text{ Nos}}{2.0 \text{ Nos}}$$

Qty. 2.00 Nos @ Rs. *2356/55*

Each Rs. *3770.00*

6" Dia uPvc Pipe  
1 x 2.0

$$\text{Total} = \frac{2.0 \text{ Nos}}{2.0 \text{ Nos}}$$

Qty. 2.00 Nos @ Rs. 1787.50

Each Rs. 3575.00

4" Dia uPvc Pipe  
1 x 2.0

$$\text{Total} = \frac{2.0 \text{ Nos}}{2.0 \text{ Nos}}$$

Qty. 2.00 Nos @ Rs. 731.25

Each Rs. 1463.00

1" Dia uPvc Pipe  
1 x 2.0

$$\text{Total} = \frac{2.0 \text{ Nos}}{2.0 \text{ Nos}}$$

Qty. 2.00 Nos @ Rs. 568.75

Each Rs. 1138.00

(iv) Reducer (SMI No11,P-102)

12" x 16" Dia  
1 x 1.0

$$\text{Total} = \frac{1.0 \text{ Nos}}{1.0 \text{ Nos}}$$

Qty. 1.00 Nos @ Rs. 4260.00

Each Rs. 4260.00

16" x 8" Dia  
1 x 1.0

$$\text{Total} = \frac{1.0 \text{ Nos}}{1.0 \text{ Nos}}$$

Qty. 1.00 Nos @ Rs. 2075.75

Each Rs. 2076.00

16" x 6" Dia  
1 x 1.0

$$\text{Total} = \frac{1.0 \text{ Nos}}{1.0 \text{ Nos}}$$

Qty. 1.00 Nos @ Rs. *1248.75*

Each Rs. *1638*  
*1219.00*

*1638*  
*1219.00*

3" Dia

1 x 1.0

Total =  $\frac{1.0}{1.0}$  No Nos

Qty 1.00 Nos @ Rs. 568.75

Each Rs. 569.00

(iv) 3" uPVC Ends (SML No 13, P-103)

4" Dia uPvc Pipe

1 x 21.0

Total =  $\frac{21.0}{21.0}$  No Nos

Qty 21.00 Nos @ Rs. 425.00

Each Rs. 8925.00

3" Dia uPvc Pipe

1 x 29.0

Total =  $\frac{29.0}{29.0}$  No Nos

Qty 29.00 Nos @ Rs. 368.75

Each Rs. 10694.00

(v) 1" uPVC Bead Joint (SML No 14, P-103)

12" Dia uPvc Pipe

1 x 16.0

Total =  $\frac{16.0}{16.0}$  No Nos

Qty 16.00 Nos @ Rs. 2681.25

Each Rs. ~~42900.00~~ 16088.00

10" Dia uPvc Pipe

1 x 3.0

Total =  $\frac{3.0}{3.0}$  No Nos

Qty 3.00 Nos @ Rs. 2350.25

Each Rs. 7069.00

8" Dia uPvc Pipe

1 x 6.0

Total =  $\frac{6.0}{6.0}$  No Nos

Qty 6.00 Nos @ Rs. 1381.25

Each Rs. 8288.00

6" Dia uPvc Pipe

1 x 4.0

Total =  $\frac{4.0}{4.0}$  No Nos

Qty 4.00 Nos @ Rs. 1062.50

Each Rs. 4250.00

4" Dia uPvc Pipe

1 x 4.0

Total =  $\frac{4.0}{4.0}$  No Nos

Qty 4.00 Nos @ Rs. 731.25

Each Rs. 2925.00

Handwritten signature or stamp at the bottom right corner.



Dia uPvc Pipe  
1 x 26.0

Qty: 26.00 Nos @ Rs. 568.75

$$\text{Total} = \frac{26.0}{26.0} \frac{\text{No}}{\text{Nos}}$$

Each Rs. 14788.00

(vi) C.I Tee Equal (SMI No5, P-100)

6" x 6" Dia  
1 x 1.0

Qty: 1.00 Nos @ Rs. 1950.00

$$\text{Total} = \frac{1.0}{1.0} \frac{\text{No}}{\text{Nos}}$$

Each Rs. 1950.00

4" x 4" Dia  
1 x 4.0

Qty: 4.00 Nos @ Rs. 1375.00

$$\text{Total} = \frac{4.0}{4.0} \frac{\text{No}}{\text{Nos}}$$

Each Rs. 5500.00

3" x 3" Dia  
1 x 18.0

Qty: 18.00 Nos @ Rs. 968.75

$$\text{Total} = \frac{18.0}{18.0} \frac{\text{No}}{\text{Nos}}$$

Each Rs. 17438.00

(vii) C.I Tee Un Equal (SMI No6, P-100)

16" x 8" Dia  
1 x 2.0

Qty: 2.00 Nos @ Rs. 7403.75

$$\text{Total} = \frac{2.0}{2.0} \frac{\text{No}}{\text{Nos}}$$

Each Rs. 14808.00

16" x 4" Dia  
1 x 3.0

Qty: 3.00 Nos @ Rs. 5933.75

$$\text{Total} = \frac{3.0}{3.0} \frac{\text{No}}{\text{Nos}}$$

Each Rs. 17801.00

12" x 8" Dia  
1 x 1.0

Qty: 1.00 Nos @ Rs. ~~3753.00~~ <sup>5250</sup>

$$\text{Total} = \frac{1.0}{1.0} \frac{\text{No}}{\text{Nos}}$$

Each Rs. ~~3753.00~~ <sup>5250</sup>

12" x 6" Dia  
1 x 1.0

Qty: 1.00 Nos @ Rs. ~~3321.25~~ <sup>4933/50</sup>

$$\text{Total} = \frac{1.0}{1.0} \frac{\text{No}}{\text{Nos}}$$

Each Rs. ~~3321.00~~ <sup>4938</sup>

12" x 4" Dia  
1 x 1.0

Qty: 1.00 Nos @ Rs. ~~2896.25~~ <sup>3812</sup>

$$\text{Total} = \frac{1.0}{1.0} \frac{\text{No}}{\text{Nos}}$$

Each Rs. ~~2896.00~~ <sup>3813</sup>

THANK YOU

1" x 3" Dia	1	x	3.0	=	3.0	No	
				Total	=	3.0	Nos
Qty: 100	Nos	@ Rs.	$\frac{3580}{100} = 2738.75$	Each			Rs. $\frac{10500}{100} = 2246.00$
1" x 12" Dia	1	x	1.0	=	1.0	No	
				Total	=	1.0	Nos
Qty: 100	Nos	@ Rs.	$\frac{6375}{100} = 4260.00$	Each			Rs. $\frac{6375}{100} = 4260.00$
1" x 3" Dia	1	x	2.0	=	2.0	No	
				Total	=	2.0	Nos
Qty: 100	Nos	@ Rs.	$\frac{3137}{100} = 4600.00$	Each			Rs. $\frac{6375}{100} = 3000.00$
1" x 3" Dia	1	x	5.0	=	5.0	No	
				Total	=	5.0	Nos
Qty: 500	Nos	@ Rs.	$\frac{1197.50}{500} = 5280$	Each			Rs. $\frac{16250}{500} = 5688.00$
1" x 1" Dia	1	x	5.0	=	5.0	No	
				Total	=	5.0	Nos
Qty: 500	Nos	@ Rs.	$\frac{1375}{500} = 893.75$	Each			Rs. $\frac{6875}{500} = 4469.00$
1" x 3" Dia	1	x	12.0	=	12.0	No	
				Total	=	12.0	Nos
Qty: 1200	Nos	@ Rs.	$\frac{1375}{1200} = 893.75$	Each			Rs. $\frac{16500}{1200} = 49725.00$
1" x 3" Dia	1	x	23.0	=	23.0	No	
				Total	=	23.0	Nos
Qty: 2300	Nos	@ Rs.	$\frac{956}{2300} = 568.75$	Each			Rs. $\frac{9560}{2300} = 13981.00$

Flange flanged end with holes i/c turning and facing of flanged for (SBI No 12.0.98)

12" dia	1	x	196.35	=	196.35	=	1.75	cwt
10" dia					112.0			
10" dia	1	x	123.90	=	123.90	=	1.11	cwt
					112.0			
10" dia	1	x	166.38	=	166.38	=	1.48	cwt
					112.0			
10" dia	1	x	166.45	=	166.45	=	1.49	cwt
					112.0	Total	=	5.822 cwt
Qty: 5.82	cwt	@ Rs:	6096.00	Each				Rs. 35492.00

1) Short Piece (S.M.No 9,P-101)

A) For Tee

12" dia	1	x	1.0	=	1.0	No	
Qty:	1.00	Nos	@ Rs.	2600	Each		Rs. <del>2400.00</del> 2600
10" dia	1	x	1.0	=	1.0	No	
Qty:	1.00	Nos	@ Rs.	2212.50	Each		Rs. 2213.00
8" dia	4	x	1.0	=	4.0	No	
Qty:	4.00	Nos	@ Rs.	375.00	Each		Rs. 1500.00
4" dia	1	x	1.0	=	1.0	No	
Qty:	1.00	Nos	@ Rs.	488.50	Each		Rs. 488.00

B) For Crosses

6" dia	1	x	1.0	=	1.0	No	
Qty:	1.00	Nos	@ Rs.	618.75	Each		Rs. 619.00

(C) Crosses with flanged and with holes including turning and fitting for all size (S.M.No 10,P-98)

12" dia	1	x	196.35	=	196.35	cwt	
Qty:	1.75	cwt	@ Rs.	6096.00	cwt		Rs. 10687.00

D) Filling the excavated stuff in trenches 6" thick layer i/c watering compacting to full compaction etc. complete (P.H.S.No.24,P-53)

Qty Same as Item No. 1+2+3 = 462843.75 Cft  
 Total = 462843.75 Cft

60% of Item No. 1 & 2 =  $\frac{478045}{100} \times 90 = 430240.5$

Qty: 430240.5 Rft @ Rs. 2760.00 P % Cft Rs. 1180000

M. Flang Joints to O.M & specials fitting (titan) (i/c laying) of the required dia meter and testing the joints along with AC pressure pipe line to the specified pressure & making good to all leaky joints etc. complete (P.H.S.No.1,P-84)

12" Dia	1	x	16.0	=	16.0	Joints	
Total				=	16.0	Joints	

*[Handwritten signature and notes]*

Qty: 10.00 Joints @ Rs. ~~108.00~~ 98/- P.Joints Rs. ~~1728.00~~ 1440/-  
 10" Dia  
 1 x 2.0 = 2.0 Joints  
 Total = 2.0 Joints

Qty: 2.00 Joints @ Rs. ~~108.00~~ 90/- P.Joints Rs. ~~216.00~~ 180/-  
 8" Dia  
 1 x 2.0 = 2.0 Joints  
 Total = 2.0 Nos

Qty: 2.00 Joints @ Rs. ~~108.00~~ 72/- P.Joints Rs. ~~216.00~~ 144/-  
 6" Dia  
 1 x 2.0 = 2.0 Joints  
 Total = 2.0 Joints

Qty: 2.00 Joints @ Rs. ~~108.00~~ 72/- P.Joints Rs. ~~216.00~~ 144/-  
 4" Dia  
 1 x 2.0 = 2.0 Joints  
 Total = 2.0 Joints

Qty: 2.00 Joints @ Rs. ~~93.00~~ 62/- P.Joints Rs. ~~186.00~~ 124/-  
 3" Dia  
 1 x 6.0 = 6.0 Joints  
 Total = 6.0 Joints

Qty: 6.00 Joints @ Rs. ~~93.00~~ 62/- P.Joints Rs. ~~558.00~~ 372/-  
 Total Rs. ~~2103468.00~~ 20668106/-  
 Total Rs. ~~361566.00~~ 36157.00  
 Total Rs. 21070925.00

Add 10% on CI Specials i.e. Rs. 361566.00

Charge of Pvc pipe of any class with collar by mechanical transport i/c loading unloading and stacking at unloading of site (PIISI.No.3,P-3) from Karachi to Tejo (one lead 293 miles (PIISI.No.4,P-10))

12" dia PE Pipe  
 Rate for 6 Miles Rs. 163.18

Remaining 356 Miles  
 @ Rs. 6.88 P/Miles Rs. 2449.28  
 Total Rs. 2612.46  
 2571/80 x 2 = 5142/36

Qty: 2200.00 Rft @ Rs. 5142/36 - 2642.46 P.% Rft Rs. 113132/2  
 10" dia uPvc Pipe Rs. 57474.00

Rate for 6 Miles Rs. 120.02

For Remaining  
 356 Miles  
 @ Rs. 5.06 P/Miles Rs. 1771/0  
 Total Rs. 1801.36  
 $1891/02 \times 2 = 3782/04$

Qty: 4000.00 Rft @ Rs. 1921.38 P.% Rft Rs. 151252/1  
 10" dia uPvc Pipe Rs. 76855.00

Rate for 6 Miles Rs. 72.59

For Remaining  
 356 Miles  
 @ Rs. 3.06 P/Miles Rs. 1071  
 Total Rs. 1089.36  
 $1143/89 \times 2 = 2287/18$

Qty: 6000.00 Rft @ Rs. 1434.95 P.% Rft Rs. 137231/1  
 10" dia uPvc Pipe Rs. 60747.00

Rate for 6 Miles Rs. 44.46

For Remaining  
 356 Miles  
 @ Rs. 1.87 P/Miles Rs. 654/50  
 Total Rs. 665.72  
 $699/01 \times 2 = 1398/02$

Qty: 10250.00 Rft @ Rs. 740.20 P.% Rft Rs. 143297/1  
 10" dia uPvc Pipe Rs. 72796.00

Rate for 6 Miles Rs. 20.39

For Remaining  
 356 Miles  
 @ Rs. 0.86 P/Miles Rs. 301/0  
 Total Rs. 306.76  
 $321/37 \times 2 = 642/78$

Qty: 24400.00 Rft @ Rs. 326.55 P.% Rft Rs. 156838/1  
 10" dia uPvc Pipe Rs. 79676.00

Rate for 6 Miles Rs. 12.23

For Remaining  
 356 Miles  
 @ Rs. 0.51 P/Miles Rs. 178/50  
 Total Rs. 181.56  
 $190/73 \times 2 = 381/46$

Qty: 22550.00 Rft @ Rs. 193.79 P.% Rft Rs. 86019/1  
 10" dia uPvc Pipe Rs. 43700.00

Rate for 6 Miles Rs. 12.23

For Remaining  
 356 Miles  
 @ Rs. 0.51 P/Miles Rs. 178/50  
 Total Rs. 181.56  
 $190/73 \times 2 = 381/46$

Add. tip on ~~Rs~~ C.I. Special oil 34400/-

Total Rs. 21471045.00  
 34600/-  
 Rs. 21471000.00

*[Signature]*  
 Assistant Engineer  
 Public Health Engg: S/Div: I  
 Thul

*[Signature]*  
 Executive Engineer  
 Public Health Engg: Division  
 Jacobabad

*[Signature]* Rs. 21490309/-  
*[Signature]* Rs. 21490000/-

*[Signature]*  
 Chief Engineer  
 Public Health Engg: Circle  
 Jacobabad

Technically Sanctioned For Rs. 21470000/-  
 (Rupees Two Crore Fourteen Lacs & Ninety Thousand)

*[Signature]*  
 CHIEF ENGINEER  
 PUBLIC HEALTH ENGG: DIVISION  
 JACOBABAD



GOVERNMENT OF SINDH  
PUBLIC HEALTH ENGINEERING  
DEPARTMENT  
Karachi dated the 17<sup>th</sup> May, 2013

NOTIFICATION

No. SO(T)/PHE SPPRA-Rules/2013 (pt-II). In exercise of powers conferred by Rule-7 of SPP Rules-2010, the Division wise Departmental Procurement Committees are hereby constituted in Public Health Engineering Department as under:-

S.#	NAME OF PHE DIVISION	PROCUREMENT COMMITTEE	CHAIRMAN/ MEMBER
01	Hyderabad	Executive Engineer, PHE, Division No. I Hyderabad	Chairman
		Executive Engineer, Education Works Division (Hyderabad)	Member
		Assistant Engineer, PHE Sub-Division Qasimabad	Member
2	Jamshoro	Executive Engineer, PHE, Division Jamshoro	Chairman
		Executive Engineer, Education Works, Division Hyderabad	Member
		Assistant Engineer, PHE, Sub-Division Jamshoro	Member
3	Thatta	Executive Engineer, PHE, Division Thatta	Chairman
		Executive Engineer, Education Works, Division Thatta	Member
		Assistant Engineer, PHE, Sub-Division No. I Thatta	Member
4	Tando Muhammad Khan	Executive Engineer, PHE, Division Tando Muhammad Khan	Chairman
		Executive Engineer, Education Works, Division Tando Muhammad Khan	Member
		Executive Engineer, PHE, Sub-Division No. II Tando Muhammad Khan	Member

18	Shaheed Benazirabad	Executive Engineer, PHE, Division No. 5 Shaheed Benazirabad	Chairman
		Executive Engineer, Education Works Divn. Shaheed Benazirabad	Member
		Assistant Engineer, PHE, Sub-Division No. II Sakrand	Member
19	Larkana	Executive Engineer, PHE, Division Larkana	Chairman
		Executive Engineer, Building Provincial Division, Larkana	Member
		Assistant Engineer PHE, Sub-Division No. II Larkana	Member
20	Dadu	Executive Engineer, PHE, Division Dadu	Chairman
		Executive Engineer, Highway Division Dadu	Member
		Assistant Engineer, PHE, Sub-Division Johi	Member
21	Jacobabad	Executive Engineer, PHE, Division Jacobabad	Chairman
		Executive Engineer, Highway Division, Jacobabad	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Jacobabad	Member
22	Kamber Shahdadkot @ Kamber	Executive Engineer, PHE, Division Kamber Shahdadkot @ Kamber	Chairman
		Executive Engineer, Education Works Division Kamber Shahdadkot @ Kamber	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Kamber	Member
23	Shikarpur	Executive Engineer, PHE, Division Shikarpur	Chairman
		Executive Engineer, Machinery & Maintenance Division Khairpur @ Shikarpur	Member
		Assistant Engineer, PHE, Sub-Division Larkana	Member

24	Kashmore @ Kandhkot	Executive Engineer, PHE, Division Kashmore @ Kandhkot	Chairman
		Executive Engineer, Roads Kashmore (@) Kandhkot	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Kashmore @ Kandhkot	Member

Terms of reference of the Committees:

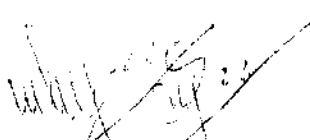
1. Preparing bidding documents
2. Carrying out technical as well as financial evaluation of the bids
3. Preparing evaluation report as provided in Rule 45
4. Making recommendations for the award of contract to the competent authority; and
5. Perform any other function ancillary and incidental to the above.

**S.M. KALEEM MAKKI**

Secretary to Government of Sindh

A copy is forwarded for information & necessary action to:-

- The Accountant General Sindh, Karachi.
- The Administrative Secretaries (all) in Sindh.
- The Commissioner (all) in Sindh.
- The Chief Engineer, PHED, Hyderabad / Sukkur.
- The Director, Procurement Regulatory Authority Sindh Karachi.
- The Deputy Commissioner (all) in Sindh.
- The Superintending Engineer, PHED (all) in Sindh.
- The Executive Engineer, PHE, Division (all) in Sindh.
- PS to Secretary, PHED, Govt. of Sindh, Karachi.
- Additional Secretary, PHED, Govt. of Sindh, Karachi.

  
(ABDUL GHAFFAR SHAIKH)  
Section Officer (Technical)



**COMPARATIVE STATEMENT**

Name of Work Construction of semi pacca storage tank at Begari Canal for Urban Water Supply Scheme Thull

NIT No. TC/585 Dated 07/10/2013

23-9-2013

Corrigendum No. TC/618 Dated 11/10/2013

Date of issue & opening 30/10/2013

Sanctioned by Chief Engineer, Public Health Engineering Department Government of Sindh Sukkur vide No DB/G-148/ 11/4 Dated 21-10-2013

Estimated Cost Rs. 44,348,384.00

**NAME OF CONTRACTORS**

Estimated Cost	ITEM	NAME OF CONTRACTORS			
		Rate quoted by Engineering Link International 25.00% above Sch(B)	Rate quoted by Mr. Abdul Khaliq Dayo -21.80% above Sch(B)	Rate quoted by Mr. Muhammad Saleh Abro -11.10% above Sch(B)	Rate quoted by M/S Jam Brothers 7.90% above Sch(B)
Sch:Item 35,369,036.00	Schedule Items	35,369,036.00	35,369,036.00	35,369,036.00	35,369,036.00
Non Sch:Item	Non Schedule Items				
Cartage 8,979,348.00	Contractor quoted rate	(8,842,259.00)	(7,710,450.00)	(3,925,963.00)	2,794,154.00
Diff Bricks	Add Diff of cost of Tentative tender Cost	26,526,777.00	27,658,586.00	31,443,073.00	38,163,190.00
Diff Cement	Less Est.Cost.	44,348,384.00	44,348,384.00	44,348,384.00	44,348,384.00
Diff Steel	Diff:	(17,821,607.00)	(16,689,798.00)	(12,905,311.00)	(6,185,194.00)
Contractor Profit 10%					
Ceiling Premium 20%					
Est.Cost. 44,348,384.00	%age below Est:	-40.19%	-37.63%	-29.10%	-13.95%

Note 1

The payment of escalation of prices of Cement, Steel, Bricks & wood etc will be paid subject to enhance of market rate at the date of execution of work at site in terms of special clause-57 of B1 Agreement.

Note 2

Lowest rate quoted by M/S Engineering Link International Government Contractor at Rs. 42,65% above the schedule of rates which comes to Rs. -40.19% below the Estimated cost and is found lowest in competition, hence recommended for approval.

(Saeed Ahmed Rajput) Assistant Engineer  
 Divisional Accounts Officer  
 Public Health Engg. Division  
 Jacobabad

(Sabir Ali Shaikh) Executive Engineer  
 Public Health Engg. Division  
 Jacobabad

High Ways Division Jacobabad

NO.DB/DWE/ 114 of 2013  
OFFICE OF THE CHIEF ENGINEER  
PUBLIC HEALTH ENGINEERING DEPARTMENT  
GOVERNMENT OF SINDH, SUKKUR  
Sukkur Dated. 21/10/2013

Phone No.071-5631503  
Fax No.071-5631501 (Email Add: cephedsukkur@gmail.com)

To,  
The Superintending Engineer,  
Public Health Engineering Circle,  
Larkana.

Subject: **DETAILED WORKING ESTIMATE FOR CONSTRUCTION OF SAMI  
PACCA STORAGE TANK AT BEGARI CANAL FOR WATER SUPPLY  
SCHEME THULL TALUKA THULL DISTRICT JACOBABAD.**

Reference: Your office letter bearing No.DB/PHED/1862 dated, 14/10/2013.

Above subjected Detailed Working Estimate is returned herewith duly technically sanctioned for Rs.4,43,66,400/- (Rupees Four Crore Forty Three Lacs Sixty Six Thousand & Four Hundred) only against the Administrative Approval of the scheme for Rs.585.700 Million accorded by Government of Sindh, Karachi vide No:GD.SO(Dev-I)20(PHE) AA/09-10-P-II Dated, 11/05/2012.

The above technical sanction is issue in accordance with the power laid down by the Government under delegation of financial power rules.

The expenditure should be controlled according by observing codal formalities strict financial regularity of fund.

The expenditure would debited to the Head of Account "06-Housing and Community Amenities (Capital), 063-Water Supply, 0631-Water Supply, 063102-Works (Construction) and Operation" for water Supply Scheme.

D.A/As Above.

*SR - ik*  
(Ram Chand P. Sanjhira)  
CHIEF ENGINEER  
PUBLIC HEALTH ENGG. DEPT.  
GOVERNMENT OF SINDH  
SUUKUR

C.C. to the:-

- Executive Engineer, Public Health Engg: Division, Jacobabad for information.

PUBLIC HEALTH ENGINEERING DIVISION JACOBABAD



**GOVERNMENT OF SINDH**

Detailed Working Estimate for Construction of Semi Pacca  
Storage Tanks with Brick lined Storage Tanks No.1 at  
Beghari Canal for Urban Water Supply Scheme Thul  
District Jacobabad

64366/109  
COST RS.40045000/-

# PUBLIC HEALTH ENGINEERING DIVISION JACOBABAD

Division: PUBLIC HEALTH ENGINEERING DIVISION JACOBABAD

Major Head: Provincial ADP 2011-12

Minor Head: --do--

Project Head: Detailed Working Estimate for Construction of Semi Pacca Storage Tanks with Brick lined Storage Tanks No.1 at Beghari Canal for Urban Water Supply Scheme Thul District Jacobabad

The D/W/ Estimate has been prepared in the office of the Executive Engineer Public Health Engineering Division Jacobabad for the probable expenditure that will be incurred on above named scheme.


Estimated cost Rs. <sup>64366405</sup>  
**40045000.000**


## GENERAL DESCRIPTION

As per provision in Semi Pacca Storage Tanks with Brick lined Storage Tanks No.1 at Beghari Canal for Urban Water Supply Scheme Thul District Jacobabad Supply Scheme Thul has been prepared, provision already made in Sanctioned R/C/Estimate

Rate : The Rates are provided Public Health Engineering Schedule items, Composite Schedule Items and Schedule of Rates.

Specification : The work will be carried out as per PWD/PHE Specifications.

  
Assistant Engineer  
Public Health Engineering S/Division  
Thul

  
Executive Engineer  
Public Health Engineering Division  
Jacobabad

Detailed Working Estimate for Construction of Semi Pacca Storage Tanks with Brick lined Storage Tanks No.1 at Deghari Canal for Urban Water Supply Scheme Thul District Jacobabad

Excavation for Tanks and reservoir in soft  $\frac{1}{2}$  c triming and dressing to true alignment design section profile and shap leveling of laying of beds of trenches to correct level and grade  $\frac{1}{2}$  c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus. Excavated earth within one chain as directed by Engineer Incharge  $\frac{1}{2}$  c providing fence guards lights flags where ever required lift upto 5 feet (1.52 m) and lead upto one chain (30.5m) (PHSI No: 1P-67)

Size (300' x 315') with working depth 7'  
Pacca Storage Tank No:2

$$1 \times \frac{798.5 + 795.50}{2} \times \frac{313.5 + 310.50}{2} \times 1.00 = 248664.00$$

Total:- = 248664.00

Qty 248664.00 Cft @ Rs. 3000.00 P % Cft Rs. 745992.00

Excavation for Tanks and reservoir in wet Soil/clay or mud  $\frac{1}{2}$  c triming and dressing to true alignment design section profile and shap leveling of laying of beds of trenches to correct level and grade  $\frac{1}{2}$  c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus. Excavated earth within one chain as directed by Engineer Incharge  $\frac{1}{2}$  c providing fence guards lights flags where ever required lift upto 5 feet (1.52 m) and lead upto one chain (30.5m) (PHSI No 14 P-74)

Pacca Storage Tank No:2

$$1 \times \frac{795.50 + 789.50}{2} \times \frac{310.50 + 304.50}{2} \times 2.00 = 487387.50$$

Total:- = 487387.50

Qty 487387.50 Cft @ Rs. 4800.00 P % Cft Rs. 2339460.00

Excavation for Tanks and reservoir in slushy or daidaly soil  $\frac{1}{2}$  c triming and dressing to true alignment design section profile and shap leveling of laying of beds of trenches to correct level and grade  $\frac{1}{2}$  c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus. Excavated earth within one chain as directed by Engineer Incharge  $\frac{1}{2}$  c providing fence guards lights flags where ever required lift upto 5 feet (1.52 m) and lead upto one chain (30.5m) (PHSI No 15 P-74)

$$1 \times \frac{789.50 + 787.25}{2} \times \frac{304.50 + 302.25}{2} \times 0.75 = 179379.95 \text{ cft}$$

For Log wall

$$1 \times \frac{797.75 + 300.75}{2} \times 1.50 \times 1 = 3266.00 \text{ cft}$$

For Bed

$$1 \times 707.25 \times 302.25 \times 0.75 = 170460.00 \text{ cft}$$

Total:- = 361105.95

Qty 361105.95 Cft @ Rs. 7200.00 P % Cft Rs. 2599963.00

Excavation for pipelines in trenches and pits in soft soil  $\frac{1}{2}$  c triming dressing sides to true alignment and shape leveling of beds of trenches to correct level and grad cutting joint holes providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5' and lead upto one chain (PHSI No 1, P-60.)

Refer Connection

563/115/

$$1 \times 40.0 \times 5.0 \times 5.0 = 1000.00 \text{ cft}$$

at storage tanks

$$1 \times 100.0 \times 5.0 \times 3.0 = \frac{1500.00}{2500.00} \text{ cft}$$

Qty 2500.00 Cft @ Rs. 3600.00 P-% Cft Rs. 9000.00

Excavation for pipelines in trenches and pits in wet soil i/c trimming dressing sides to true alignment and shape leveling of beds of trenches to correct level and grad cutting joint holes providing face guards lights, flags and temporary crossing for non vehicular traffic where ever required lift upto 5' and lead upto one chain (PHSI No 14.P-66)

$$1 \times 40.0 \times 5.0 \times 1.50 = \frac{300.00}{300.00} \text{ cft}$$

Qty 300.00 Cft @ Rs. 5400.00 P-% Cft Rs. 1620.00

Providing laying RCC pipe of ASTM C-76-62 T/C-76-70 of class II wall B in trenches i/c cutting fitting and jointing i/c testing with water to specified pressure (PHSI.No 1.P-17)

For 24" dia ASTM Pipe 40 + 100 = 140 rft

$$1 \times 140.0 = \frac{140.00}{140.00} \text{ rft}$$

Qty 140.00 rft @ Rs. 869.00 P.Rft Rs. 121660.00

Refilling the excavated stuff in trenches 6" thick layer i/c watering raiming to full compaction etc complete (PHSI No.24.P-77)

90% of Item No 415 = 2300.00

$$1 \times \frac{2300.0}{100} \times \frac{90.0}{100} = \frac{2520.00}{2520.00} \text{ cft}$$

Qty 2520.00 Cft @ Rs. 2760.00 P-% Cft Rs. 6951.00

Drainage or pumping out sub soil water during excavation concreting cost in situ concrete or masonry work in foundation etc (PHSI.No 18.P-75)

Qty same as item 10.3 361105.95 cft

Qty 361105.95 Cft @ Rs. 543.00 P % Cft Rs. 1960805.00

RCC Bricks or stone ballast 1 1/2" to 2" gauge (CSI NO:4 (b) P-15) (1:4:8)

$$\text{For Low Wall } 2 \times (788.75 + 100.75) \times 1.5 \times 0.33 = 1078.35$$

$$\text{Bedding of Tank } 1 \times 787.25 \times 302.25 \times 0.50 = 118973.16 \text{ cft}$$

Para pit wall

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1 Wall 2 x 818.250 x 1.50 x 0.33 = 810.07  
 5. Wall 2 x 332.250 x 1.50 x 0.33 = 328.93  
 -----  
 121190.50 cft

Qty. 121190.50 Cft @ Rs. 9416.28 P %Cft Rs. 11411337.0

CC plain i/c placing compacting finishing & curing complete i/c screening and  
 washing of stone aggregate w/o shuttering (CSI NO.5 P-15)  
 (i) For Ratio 1:4:8

For Slope L.S

$1 \times 2 \times \frac{817.25 + 787.25}{2} \times 18.02 \times 0.25 = 7288.27$

For S.S

$1 \times 2 \times \frac{332.25 + 302.25}{2} \times 18.02 \times 0.25 = 2858.42$

Qty 10086.70 Cft @ Rs 11288.75 P %Cft Rs. 1138662.00

(ii) For Ratio 1:2:4

Bedding of Tank

$1 \times 2 \times 787.25 \times 302.25 \times 0.25 = 59486.58 \text{ cft}$

Qty 59486.58 Cft @ Rs 14429.25 P %Cft Rs. 8583467.00

Brick lining over 9"x4 1/2" x 3" over i/c Ratio 1:3 cement sand mortar (CSI No.9 P-75)

For Slope L.S

$1 \times 2 \times \frac{817.25 + 787.25}{2} \times 18.02 \times 0.37 = 10697.84 \text{ cft}$

For Shout Size

$1 \times 2 \times \frac{332.25 + 302.25}{2} \times 18.02 \times 0.37 = 4230.47 \text{ cft}$   
 14928.31 cft

Qty 14928.31 Cft @ Rs. 14204.44 P %Cft Rs. 2120483.00

Extra for every 50' additional lead or Part there of this shall apply to lead up to full rates

Qty of excavation of tank Item no. 1+2+3  $1097153.45$  4992153.00 cft

Qty used in Tanks of tank No 1 & 2 452637.38 cft

Difference Excavation Qty

$1097153.45$   
 $1092153.00$  (-) 452637.38  
 Net = 644516.01 cft  
 $644519.35$

At Lead 1500 Rft (-) 100 = 1400

Nos of leads =  $\frac{1400}{50} = 28$  Leads

Qty 28.00 Leads @ Rs. 100.78 P% cft Rs. 2021.84

Qty of surplus earth saving from bunds =  $644519.35$  644516.01 cft

Qty 644516.01 Cft @ Rs. 2821.84 P % Cft Rs 1818732.00

Earth work Compaction by sheep foot roller & power Roller with optimum moisture content

11) 8 high ways (SI No. 7, P-2)

For 85% modified AASHO density

Long Bunds

$$2 \times 806.00 \times \frac{15.00 + 33.75}{2} \times 6.25 = 263859.38$$

Short Bunds for Pucca Storage Tank No:1)

$$2 \times 313.00 \times \frac{15.00 + 33.75}{2} \times 6.25 = 188778.12$$

Total:- = 452637.50

0.01

Qty 452637.50 Cft @ Rs. 1445.58 P % Cft Rs. 654324.00

14) Cement pointing struck joints on walk ratio 1:3 (CSI No. 19, P-53)

For Step L.S

$$1 \times 2 \times \frac{817.25 + 787.25}{2} \times 18.02 = 28913.09 \text{ cft}$$

For Short Size

$$1 \times 2 \times \frac{332.25 + 302.25}{2} \times 18.02 = 11433.69 \text{ cft}$$

$$\frac{11433.69}{40346.78} \text{ cft}$$

Qty 40346.78 Cft @ Rs. 1242.58 P % sft Rs. 499640.00

15) Pucca Brick work in foundation and plinth in cement sand mortar 1:6 (CSI No. 1 P-25)

For Toe Wall

$$1 \times 2 \times \left( \frac{787.5 + 302.5}{2} \right) \times 1.00 \times 0.75 = 1634.62 \text{ cft}$$

For Parapet Wall

$$1 \times 2 \times (818.75 + 332.25) \times 0.75 \times 1 = 1726.5 \text{ cft}$$

Total:- = 3361.12 cft

Qty 3361.12 Cft @ Rs. 11948.36 P % Cft Rs. 401599.00

16) Cement plaster 1.4 upto 12' height 1/2" thick (CSI No. 11 P-57)



For Top wall  $1 \times 2 \times (1.87 + 3.01) \times 2.25 = 49.5$

For Parapet Wall

$1 \times 2 \times (818.75 + 332.25) \times 2.25 = 5179.50$  sft  
 Total:- = 5179.50 sft

Qty: 5179.50 sft @ Rs. 2283.93 P % sft Rs. 118200.00  
10084.50

17 Dry Brick on edge paving sand grouted w/ preparation of bed watering raiming & bringing thae same to proper camber by 1/2" thick mud plaster (CSI No.5,P-40)

For Dry Brick work over Bunds

$2 \times 820.00 \times 8.00 = 13120.00$  cft

$2 \times 332.25 \times 8.00 = 5316.00$  cft  
18436.00 cft

Qty: 18436.00 sft @ Rs 3823.57 P % sft Rs. 70491.00

18 Carriage of Material

i) Bajri from Shadi Shaheed to site of work lead	2660/114	64 miles	Total RS: 85227192.00
Qty 62031.40	@ Rs. 2859.00	P % cft	3520.00
Rs. 1773358.00			
ii) Stone from Aror to site of work lead	2432/152	57 miles	1620.00
Qty 116342.86	@ Rs. 2627.98	P % cft	Rs. 2067361.00
Rs. 2067361.00			
iii) Hill sand from Sui to site of work lead	2840	miles	3460713.00
Qty 95412.32	@ Rs. 3311.64	P % cft	3510.11
Rs. 314576.41			
iv) Cement from Rohri to site of work lead	3507	52 miles	895688.00
Qty 24752.31	@ Rs. 36.93	P - Bag	3000.00
Rs. 24018.11			
v) Pucca Bricks from Shikarpur Eila	18 miles		377049.00
Qty 405368.00	@ Rs. 930.14	P % cft	

vii) Carriage of RCC pipe (PHED,SI No.2,P-4)

Rate for 6 Miles Rs 1206.26

For Remaining 41 Miles @ Rs 50.87 P/Miles Rs 2085.7  
 Total Rs. 3291.93

Qty: 140.00 Rft @ Rs 3291.93 P % Rft Rs 4609.00

Total Rs. 4449491.00

RS: 4449491.00

G.Total RS: 40045420.00

Say Rs. 40045420.00

Technically Specified For No. 44366400k  
 For Circle For These Fee Sixty Six Thousand  
 of Para-Landa only

CHIEF ENGINEER  
 PUBLIC HEALTH ENG. DEPT.  
 GOVERNMENT OF SINDH  
 Larkana

Assistant Engineer  
 Public Health Engg: S/Div  
 Thul

Executive Engineer  
 Public Health Engg Division  
 Jacobabad

Supervisor  
 Public Health Engg: Circle  
 Larkana

11/11/13 3:30 PM

Detailed Working Estimate for Construction of Semi-circular Storage Tanks with Brick lined Storage Tanks No.1 at Seeban Canal for Urban Water Supply Scheme Thul District Jacobabad

S.No	Item of Work	Quantity	Stone	Bajri in CFT	Hill Sand in CFT	Cement in Bags	Steel in Cwt	Bricks in Nos	Pit Sand
1	CC Bricks stone cast 1:4:8	121190.50 Cft	116342.86	9693.22	52171.43	11634.00			
2	Cement Concrete plain 1:4:8	10086.70 Cft		52348.18	4841.81	968.32			
3	Cement Concrete plain 1:2:4	59486.58 Cft			26174.05	10113.00			
4	Brick lining ratio 1:3	49428.30 Cft			338.13	313.69		262282.00	
	1:2	40346.78 Sft			4371.36	1465.69		45375.00	
5	Cement Plaster 1:2	3361.12 Cft			806.93	217.37			
6	Pacca Brick Work 1:6	5179.50 Sft			960.44	217.87	115.61		
7	Cement Plaster 1:4	18436.00 Sft			182.46	145.92	75.61		
8	Dry Bricks	40346.78 Sft			960.44	217.87	115.61	97711.00	0.00
	Cement pointing 1:3	40346.78 Sft			960.44	217.87	115.61		
	Total		116342.86	62031.40	95442.32	24252.91	0.00	405368.00	0.00

97710.8

*Thul*  
 Assistant Engineer  
 Public Health Engg. S/Div  
 Thul

*Executive Engineer*  
 Executive Engineer  
 Public Health Engg. Division  
 Jacobabad



**GOVERNMENT OF SINDH  
PUBLIC HEALTH ENGINEERING  
DEPARTMENT**  
Karachi dated the 27<sup>th</sup> May, 2013

**NOTIFICATION**

No. SO(T)/PHE/ SPPRA-Rules/2013 (pt-II). In exercise of powers conferred by Rule-7 of S.P. Rules-2013, the Division wise Departmental Procurement Committees are hereby constituted in Public Health Engineering Department as under:-

S.#	NAME OF PHE DIVISION	PROCUREMENT COMMITTEE	CHAIRMAN/ MEMBER
01	Hyderabad	Executive Engineer, PHE, Division No. 1 Hyderabad	Chairman
		Executive Engineer, Education Works Division - II, Hyderabad	Member
		Assistant Engineer, PHE, Sub-Division Qasimabad	Member
2	Jamshoro	Executive Engineer, PHE, Division Jamshoro	Chairman
		Executive Engineer, Education Works, Division Hyderabad	Member
		Assistant Engineer, PHE, Sub-Division Jamshoro	Member
3	Thatta	Executive Engineer, PHE, Division Thatta	Chairman
		Executive Engineer, Education Works, Division Thatta	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Thatta	Member
4	Tando Muhammad Khan	Executive Engineer, PHE, Division Tando Muhammad Khan	Chairman
		Executive Engineer, Education Works, Division Tando Muhammad Khan	Member
		Assistant Engineer, PHE, Sub-Division No. II Tando Muhammad Khan	Member

18	Shaheed Benazirabad	Executive Engineer, PHE, Division No. 5 Shaheed Benazirabad	Chairman
		Executive Engineer, Education Works Divn. Shaheed Benazirabad	Member
		Assistant Engineer, PHE, Sub-Division No. II Sakrand	Member
19	Larkana	Executive Engineer, PHE, Division Larkana	Chairman
		Executive Engineer, Building Provincial Division, Larkana	Member
		Assistant Engineer PHE, Sub-Division No. II Larkana	Member
20	Dadu	Executive Engineer, PHE, Division Dadu	Chairman
		Executive Engineer, Highway Division Dadu	Member
		Assistant Engineer, PHE, Sub-Division Johi	Member
21	Jacobabad	Executive Engineer, PHE, Division Jacobabad	Chairman
		Executive Engineer, Highway Division, Jacobabad	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Jacobabad	Member
22	Kamber Shahdadkot @ Kamber	Executive Engineer, PHE, Division Kamber Shahdadkot @ Kamber	Chairman
		Executive Engineer, Education Works Division Kamber Shahdadkot @ Kamber	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Kamber	Member
23	Shikarpur	Executive Engineer, PHE, Division Shikarpur	Chairman
		Executive Engineer, Machinery & Maintenance Division Khairpur @ Shikarpur	Member
		Assistant Engineer, PHE, Sub-Division I Larkh	Member

24	Kashmore @ Kandhkot	Executive Engineer, PHE, Division Kashmore @ Kandhkot	Chairman
		Executive Engineer, Roads Kashmore @ Kandhkot	Member
		Assistant Engineer, PHE, Sub-Division No. 1 Kashmore @ Kandhkot	Member

Terms of reference of the Committees:

1. Preparing bidding documents
2. Carrying out technical as well as financial evaluation of the bids
3. Preparing evaluation report as provided in Rule 45
4. Making recommendations for the award of contract to the competent authority; and
5. Perform any other function ancillary and incidental to the above

**S.M. KALEEM MAKKI**

Secretary to Government of Sindh

A copy is being furnished for information & necessary action to:-

- The Accountant General Sindh, Karachi.
- The Administrative Secretaries (all) in Sindh.
- The Commissioner (all) in Sindh.
- The Chief Engineer, PHED, Hyderabad / Sukkur.
- The Director, Procurement Regulatory Authority Sindh Karachi.
- The Deputy Commissioner (all) in Sindh.
- The Superintending Engineer, PHED (all) in Sindh.
- The Executive Engineer, PHE, Division (all) in Sindh.
- PS to Secretary, PHED, Govt. of Sindh, Karachi.
- Additional Secretary, PHED, Govt. of Sindh, Karachi.

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**(ABDUL GHAFFAR SHAIKH)**  
Section Officer (Technical)

## BID EVALUATION REPORT.

Name of Procuring Agency: Executive Engineer, Public Health  
Engineering Division Jacobabad.

Tender Reference No: No.TC/NIT/585 Dated 23/09/2013.

Tender Description/Name of Work:

1. Providing Laying Jointing and Testing P.E Pressure pipe (PN-8) 12" dia & uPVC pressure pipe 10" 8" 6" 4" 3" dia for Urban Water Supply Scheme Thull.
2. Construction of Semi Pacca Storage Tank with Brick lined Storage Tank No.I & II at Begari Canal for Urban Water Supply Scheme Thull.

Method of Procurement: Least cost Method

Tender Published: The tender was published in following Newspapers.

1. Daily Kawash Karachi Dated 07/10/2013.
2. Daily Sobh Karachi Dated 04/10/2013.

Dated of opening: 30/10/2013

Total Bid documents purchased 4 Nos.

Total bid received 4 Nos

Bid(s) Rejected:

1. S.No.2 & 3
2. S.NO.2 & 3

**BID EVALUATION REPORTS.**

S.No	Name of Firm or Bidder	Cost offered by the Bidder	Ranking in terms of Cost	Estimated Cost	Reason for Acceptance/ Rejection	Remarks
<b>A)</b>	<b>Providing Laying Jointing and Testing P.E Pressure pipe (PN-8) 12" dia &amp; uPVC pressure pipe 10" 8" 6" 4" 3" dia for Urban Water Supply Scheme Thull</b>					
1	Engineering Links International Bungalow No.F-79/A View Phase-II Near Defence Public School Karachi	17567890.00	1st Lowest	21490305.00	Acceptance	Tobe recommended for award
2	Mr.Muhammad Malook Kato R/O Village Hamayon Taluka & District Shikarpur	17960584.00	2nd Lowest	21490305.00	Rejected	--
3	M/S Jam Brother R/O (Jam Fida Hussain House )Alama Iqbal Town Rahim Yar Khan	18456619.00	3rd Lowest	21490305.00	Rejected	--
4	M/S Raza Khan Mandokhel r/o Bilalabad, Block-S, House #P-519 Narth Nazimabad Karachi	19221339.00	4th Lowest	21490305.00	Rejected	--
<b>B)</b>	<b>Construction of Semi Pacca Storage Tank with Brick lined Storage Tank No.I &amp; II at Begari Canal for Urban Water Supply Scheme Thull</b>					
1	Engineering Links International Bungalow No.F-79/A View Phase-II Near Defence Public School Karachi	26526777.00	1st Lowest	44348384.00	Acceptance	Tobe recommended for award
2	Abdul Khalique Dayo R/O Near Dargah Daman Ali Shah Taluka Thull District Jacobabad	27658586.00	2nd Lowest	44348384.00	Rejected	--
3	Muhammad Saleh Abro & Sons R/O P.O Hamayoon District Shikarpur	31443073.00	3rd Lowest	44348384.00	Rejected	--
4	M/S Jam Brother R/O (Jam Fida Hussain House )Alama Iqbal Town Rahim Yar Khan	38163190.00	4th Lowest	44348384.00	Rejected	--

**(Agnee Shah)**

Executive Engineer/Member PC  
Highways Division  
Jacobabad

**(Saeed Ahmed Rajput)**

Divisional Accounts Officer/member PC  
Public Health Engg:Division  
Jacobabad

**(Sabir Ali Shaikh)**

Executive Engineer/Chairman PC  
Public Health Engg:Division  
Jacobabad