

OFFICE OF THE
EXECUTIVE ENGINEER PUBLIC HEALTH
ENGINEERING DIVISION KARACHI.

NO.EC/AB/ 3281 /2016.

Karachi Dated, 12/5 /2016.

NOTICE INVITING TENDER.

Sealed tender on B-I/B-II form are hereby invited from the interested participants reputed experienced firms & contractors registered with Pakistan Engineering Council.

The tender will be issued up-to 30-5-2016 at 12 noon and the same will be received back & opened on the same date at 12:30(AN). In case the bids are not responded on the next date for receipt & opening in fixed as 3-6-2016 Or 3-6-2016 at 12 noon (FN). The next tender documents can be had from the office of the undersigned on payment of tender fee shown against each item (Non refundable).

The bid security in shape of pay order of any schedule bank in favor of Executive Engineer Public Health Engineering Division Karachi, must be attached with the tender documents. Conditional tenders will not be accepted. The undersigned reserves the rights to reject any bid or all bids or all any time prior to the acceptance.

S.No.	Name Of Work	Estimated Cost	Bid 2% Security	Tender Fee	Time Period
1.	Construction of Clear Water Tank i/c Providing Laying Jointing & Testing of PE Pipe 3" & 4" Dia for Rural Water Supply Scheme Saleh Muhammad Jumma Goth. (O/M)	0.780 Million.	0.0156 Million	Rs.1000/=	4. Months
2.	Cement Concrete Plinth Protection of Columns of HSR Replacement of M.S Pipe 4" 8' & 12" dia and Distribution PE Pipe 3" dia i/c repair of compound wall for Rural Water Supply Scheme Shanti Nagar Distt: Karachi (O/M)	0.876 Million.	0.00175	Rs.1000/=	4 Months
3.	Cement Concrete Flooring and Colour Wash of Water Work Rural Water Supply Scheme Zakria Goth/Yasrab Goth Distt: Karachi (O/M)	0.780 Million.	0.0156 Million.	Rs. 1000/=	4 Months
4.	Improvement of Inside Water Works for Rural Water Supply Scheme Tharo Mengal UC-5 Songal Gadap Karachi.	0.780 Million.	0.0156 Million.	Rs. 1000/=	4 Month.

MANDATORY REQUIREMENTS.

- a. Bid bond in shape pay order in the name of Executive Engineer PHE Division Karachi.
 - b. Valid PEC Registration Certificate in relevant category for Year 2016.
 - c. Field of Specialization CE-09 & CE-10 ME-06 EE-04.
 - d. Affidavit in which the bidder undertakes that it is not involved in any litigation.
 - e. National Tax Number Certificate with CNIC, Annual Return Statement of FBR and Audit report for the year 2015.
 - f. Affidavit in which it should be undertaken that the information provided is true and correct.
 - g. Affidavit that the bidders has not been black listed by any Government/Semi Government/Autonomous body.
 - h. Sindh Revenue Board Registration Certificate.
 - i. Bank statement showing 40% funds available for proposed Work.
- Tender documents shall be issued to the firms qualifying the above mentioned conditions.


The blank tender forms can be obtained from office of the undersigned on application during office hour's up-to 30/05/2016 on payment of tender fee specified against each work Tenders will be received back on dated 30-05-2016. Up to 12.00 Noon & Will be opened on same date up to 12.30 PM being executive Engineer/Chairman in the presence of Committee Members, contractors of their authorized representative. In case of un-responded tenders next date the blank tender form can be obtained from office of the undersigned up to 03-06-2016 up to 12.00 Noon on payment of tenders fee specified against each work. The tenders will be received back on same date upto 12.30 PM and will be opened on same date up-to Executive Engineer/Chairman in the presence of Committee Member, contractors of their authorized representatives. The Earnest money specified would be pledged in the name of Executive Engineer Public Health Engineering Division Karachi in the shape of call deposit from any scheduled Bank and must be attached with bid documents, Otherwise it will not be entertained Earnest Money of un-successful bidders shall be returned after issuance of work orders of successful bidders.

Conditional or telegraphic tenders will not be entertained.

This tender notice (NIT) can also be seen on the Sindh Government website at www.sindh.gov.pk as well as SPPRA website at www.pprasingh.gov.pk.

In case of any kind of Pumping Machinery, Pumps & Pipes provided by the contractors must be provide invoice of authorized dealer/factory in Name of Executive Engineer PHE Division Karachi with sale tax paid certificate otherwise sales tax will be deducted from their bills as per government policy. The undersigned payment made to contractor after receiving verification certificate from authorized dealer/factory of Pumping Machinery, Pumps & Pipes.

Procuring agency may reject all or any bid subjected to relevant provision of PPR Rules-2010.


(MUHAMMAD AKBER BALOCH)
EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
KARACHI.

Copy forwarded with compliments for his kind information to.

1. The Chief Engineer, Public Health Engineering Department Government of Sindh Hyderabad for his kind information.
2. The Director, information Public Relation Department Government of Sindh, Block No.96 Sindh Secretariat Karachi along with (7)Seven Copies for publication in at least three languages leading news papers, i.e Sindhi, Urdu & English.
3. The Director (C.B) Sindh Public Procurement Regulatory Authority (SPPRA) Government of Sindh block No.08 Secretariat No.04-A, Court Road Karachi, Along with demand draft No. 04766446 Dated 13-5- 2016, amounting to Rs.2000/- in the name of Director (A&F) SPPRA Government of Sindh.
4. The Superintending Engineer Public health Engineer Circle Hyderabad for his kind information.
5. The Members of Procurements Committee for information.
6. Assistant Engineer All Under PHE Division Karachi for information.
7. Copy to All Head of Branches PHE Division Karachi for information.
8. Copy to Notice Board for Local Publicity.
9. Copy to office file.



Ph: 022-9210410.
Fax: 022-9210411.
ce.phed.hyd@gmail.com

OFFICE OF THE CHIEF ENGINEER
PUBLIC HEALTH ENGG: DEPARTMENT
GOVERNMENT OF SINDH

NO: GM/PHED/ 205 /2016.
Hyderabad dated 17/2 /2016.

OFFICE ORDER:

In Exercise of the power confirmed under Rule 31 of the Sindh public procurement Rules 2010 (amended 2013), the following committee is hereby constituted to redress grievances / complaints that may arise during procuring proceedings in PHE Division Karachi.

Mr. Anjeeneer Lal Superintending Engineer PHE Circle Hyderabad.	Chairman
Mr. Mohsin Qazi Executive Engineer Local Government Department Govt: of Sindh Karachi.	Member
Mr. Saleem Ahmed Siddique Divisional Accounts Officer PHE Division Karachi.	Member

The Committee shall act in accordance with the rule 31 of Sindh public procurement rules 2010 (amended 2013).

(NAFEES AHMED SHAIKH)
CHIEF ENGINEER

PUBLIC HEALTH ENGG: DEPARTMENT
GOVT: OF SINDH HYDERABAD.

C.C. to the:-

Manager (Assessment-IV) Sindh Public Procurement Regulatory Authority Govt: of Sindh Karachi for information.

Superintending Engineer, PHE Circle Hyderabad for information with reference to his letter No: GM/272 dated 16-02-2016.

Executive Engineer PHE Division Karachi for information with reference to letter No: PHE/148/3022 dated 19-01-2016.

Mr. Mohsin Qazi Executive Engineer Local Govt: Department Govt: of Sindh Karachi for information.

Mr. Saleem Ahmed Siddique Divisional Accounts Officer PHE Division Karachi for information.



GOVERNMENT OF SINDH
PUBLIC HEALTH ENGINEERING
DEPARTMENT

Karachi dated the 7th 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
		Assistant Executive Engineer, PHE, Sub-Division No. II Tando Muhammad	Member

5	Badin	Executive Engineer, PHE, Division Badin	Chairman
		Executive Engineer, Education Works Division Badin	Member
		Assistant Engineer, PHE, Sub-Division Tando Bago	Member
6	Matiari	Executive Engineer, PHE, Division Matiari	Chairman
		Divisional Accounts Officer Hala Divn. Irrigation Department Hyderabad	Member
		Assistant Engineer, PHE, Sub-Division Matiari	Member
7	Karachi	Executive Engineer, PHE, Division Karachi	Chairman
		Executive Engineer, Local Government Deptt. Karachi	Member
		^{Assistant} Executive Engineer, PHE, Sub- Division No. IV Karachi	Member
8	Mirpurkhas	Executive Engineer, PHE, Division Mirpurkhas	Chairman
		Assistant Engineer, Building Division Works & Services Deptt. Mirpurkhas	Member
		Assistant Engineer, PHE, Sub-Division No. II Mirpurkhas	Member
9	Tando Allahyar	Executive Engineer, PHE, Division Tando Allahyar	Chairman
		Executive Engineer, Highway Division Tando Allahyar	Member
		Assistant Engineer, PHE, Division No. II Tando Allahyar	Member
10	Sanghar	Executive Engineer, PHE, Division Sanghar	Chairman
		Assistant Engineer, Education Works Sub-Division Sinjhor	Member
		Assistant Engineer, PHE Sub-Divn, Qazi Ahmed Sinjhor	Member
11	Tharparkar @ Mithi	Executive Engineer, PHE, Division Tharparkar @ Mithi	Chairman
		Executive Engineer, Education Works & Services Tharparkar @ Mithi	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

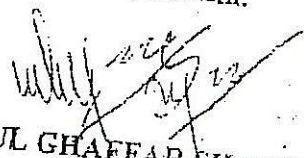
Terms of reference of the Committees:

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 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)

PROCUREMENT PLAN FOR THE YEAR 2015-2016
OPERATION & MAINTANANCE OF RURAL WATER SUPPLY SCHEMES IN
PUBLIC HEALTH ENGINEERING DIVISION KARACHI.

S.#	Description of Procurement	Quantity where applicable	Estimated cost.	Fund Allocation for the Year 2015-2016	Sources of the Funding.	Procuring Method	Time of Procurement				Remarks
							1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter	
1.	Operation & Maintenance of Rural Water Supply/Drainage Scheme of District Karachi.	Various Items 3 Nos: of Water Supply Scheme	2,436 Million	10,000 Million	O/M		--Nil--	--Nil--	Nil.	100%	9.


 Executive Engineer
 Public Health Engineering Division
 Karachi

**OFFICE OF THE SUPERINTENDING ENGINEER,
PUBLIC HEALTH ENGINEERING CIRCLE HYDERABAD.**

No.DB/ 486 /2016.
Hyderabad dated 10 13 /2016.

To,


✓
The Executive Engineer,
Public Health Engg: Division,
Karachi.

SUBJECT: -

**DETAILED WORKING ESTIMATE FOR CC FLOORING &
COLOUR WASH AT WATER WORKS FOR RURAL WATER
SUPPLY SCHEME ZAKRIA GOTH, DISTRICT MALIR
KARACHI (O&M).**

The above subjected detailed working estimate received from Chief Engineer, Public Health Engineering Department Govt. of Sindh Hyderabad duly approved for amounting to Rs.7,79,700/- vide his letter No. DB/DWE/281 dated.08-03-2016 is sent herewith for further necessary action.

DA/Estimate

Fes

SUPERINTENDING ENGINEER
PUBLIC HEALTH ENGG: CIRCLE
HYDERABAD.

OFFICE OF THE CHIEF ENGINEER,
PUBLIC HEALTH ENGG: DEPTT: GOVT: OF SINDH, HYDERABAD.

NO.DB/DWE/ 281
Hyderabad, Dt:- 8/13/2016

To,

The Superintending Engineer,
Public Health Engg: Circle,
Hyderabad.

SUBJECT:- DETAILED WORKING ESTIMATE FOR C.C FLOORING AND COLOUR WASH AT WATER WORKS FOR RURAL WATER SUPPLY SCHEME ZAKRIA GOTH, YASRAB GOTH DISTRICT MALIR KARACHI (O&M).

REF'NCE:- Your office letter No.DB/437 dated.03.03.2016.




Above subjected detailed working estimate is returned herewith duly technically sanctioned for Rs.7.79.700/- (Rupees Seven Lac Seventy Nine Thousand and Seven Hundred) only against funds released (O&M) of W/S & Drainage schemes of Sindh for Rs.220.0 million accorded by Government of Sindh Vide No.FD SO(B&E-VIII)/1-58(02)2013-14/WC dated.01.04.2016.

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

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

The expenditure involved would be debited to the Head of Account "SC-21021-(021) Public Health Services-KA 4534-Works (Rural)-A-12 Total Civil Works-1202 Works Rural" during current financial year 2009-2010.

D./As Above.


(NAFEES AHMED SHAIKH)
CHIEF ENGINEER
PUBLIC HEALTH ENGG: DEPTT:
GOVERNMENT OF SINDH HYDERABAD
 

GOVERNMENT OF SINDH
PUBLIC HEALTH ENGINEERING DEPARTMENT
DISTRICT KARACHI

FUND HEAD :- PROVINCIAL
MAJOR HEAD :-
MAJOR HEAD :- Rural Water Supply Scheme Zakria Goth
Yakoob goth. Distt: Karachi (O/M)
SERVICE HEAD :- Detailed Working Estimate C.C flooring & Colour
Washing at Water Works. for Rural Water Supply
Scheme Zakria Goth Yakoob Goth Distt: Malir
Karachi. (O/M)

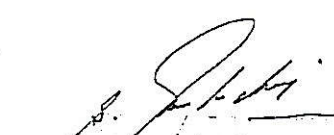
Estimate has been prepared in the office of the Executive Engineer Public Health Engineering Division Karachi for the Probable Expenditure that will be incurred on C.C flooring & Colour Washing at Water Works, for Rural Water Supply Scheme Zakria Goth Yakoob Goth Distt: Malir Karachi. (O/M)

ESTIMATE COST

Rs. 7797000/-
~~Rs. 8,60,513/-~~

GENERAL DESCRIPTION

1. This Estimate for C.C flooring & Colour Washing at Water Works, for Rural Water Supply Scheme Zakria Goth Yakoob Goth Distt: Malir Karachi. (O/M)
2. Rates have been provided from General Schedule and Public Health schedule of rates.
3. The work will be carried out as per P.W.D specification.
4. Funds are available.
5. The scheme is completed in the year 2009 the -same is in operation, need approach path C. C. Flooring in side water works i/c Colour picture attached.


ASSISTANT ENGINEER
PUBLIC HEALTH ENGG / SUB-DIVN:
NO. III, DISTRICT KARACHI.

**DETAILED WORKING ESTIMATE FOR C.C FLOORING & COLOUR WASH AT
WATER WORKS, RURAL WATER SUPPLY SCHEME ZAKRIA GOTH, YASRAB
GOTH DISTRICT MALIR KARACHI (O/M)**

1. Dressing and leveling of earth work to design section etc. complete. In ordinary soil and hard soil (GSI No. 11 P/3).

	1 x 50.0 x 10.0 x 1.0	=	500.00 cft.
	1 x 150.0 x 25.0 x 1.0	=	3750.00 cft.
<u>At Water Works Zakria Goth</u>			
	1 x 180.0 x 15.0 x 1.50	=	4050.00 cft.
	1 x 150.0 x 15.0 x 2.0	=	4500.00 cft.
	Total		12800.00 cft.

12800.00 Cft. @ Rs. 187/55 P%cft. Rs. 2401/-

2. Cement concrete plain ^{bricks or stone ballast 1 1/2 to 2" gauge} i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate w/o shuttering 1:2:4. (GS Item No. 4 (b) Page No. 17/15)

(a) 1:4:8

	1 x 50.0 x 10.0 x 0.33	=	165.00 cft.
	1 x 150.0 x 25.0 x 0.33	=	1237.50 cft.
	1 x 180.0 x 15.0 x 0.33	=	891.00 cft.
	1 x 150.0 x 15.0 x 0.33	=	742.50 cft.
	Total		3036.00 cft.

3036.00 Cft. @ Rs. ^{9416/28} ~~11288/75~~ P%Sqft. Rs. ^{R 285878/-} ~~342726/-~~

(b) 1:2:4 plain

	1 x 50.0 x 10.0 x 0.25	=	125.00 cft.
	1 x 150.0 x 25.0 x 0.25	=	937.50 cft.
	1 x 180.0 x 15.0 x 0.25	=	675.00 cft.
	1 x 150.0 x 15.0 x 0.25	=	562.50 cft.
	Total		²³⁰⁰ 2299.50 cft.

²³⁰⁰ 2299.50 Cft. @ Rs. 14429/25 P%Sqft. Rs. ^{R 331873/-} ~~331800/-~~

3. Preparing surface and painting (2 coats) of doors and windows any type (including edges) Prime coat. (GSI No. 5 (c) P/69)

Gate	1 x 2.0 x 12.0 x 6.0	=	144.00 sft.
	1 x 2.0 x 6.0 x 6.0	=	72.00 sft.
Door	1 x 2.0 x 4.0 x 5.0	=	40.00 sft.
Window	3 x 2.0 x 3.0 x 4.0	=	72.00 sft.
	Total		328.00 sft.


328.00 sft. @ Rs. ^{1160/06} ~~1469/68~~ P%Sqft. Rs. ^{R 3805/-} ~~4880/-~~

L.O.R 623957/

MATERIAL STATEMENT

S#	ITEM OF WORK	QTY	BAJRI	H/SAND	CEMENT	STEEL
1	C.C. Plain (1:4:8) Stone	3036.00 ✓	2914.54	1457.28 ✓	291.45 ✓	--
2	C.C. Plain (1:2:4)	2299.50 2300	2023.56 2024	1011.78 1012	390.91 391	--
TOTAL			4938.10 2024	2462.05 2469.28	682.36 682.45	--
SAY			4938.00 2024	2462.00 2469	682.36 682	--

Stone
2914.5
2914.58
2915


 Assistant Engineer
 Public Health Engg: S/Division No. .
 District Karachi

4. ^{Dist Embrs in} Colour washing two coat etc. complete (GSI No. 25 (b) P/53)

Pump House

I/S	1 x 2 (18 + 14) x 14	=	896.00 sft.
O/S	1 x 2 (19 + 15) x 10	=	680.00 sft.
C/Wall	1 x 2 x 150 x 6	=	1800.00 sft.
	Total	=	3376.00 sft.

3376.00 sft.

@ Rs. ^{1043/90} ~~859/90~~

P% Sqft.

^{is} 35242/-
~~Rs. 29050/-~~

Total ~~739,933/-~~
^{is} 659,499/-

CARTAGE

5. Cartage of 100 Cft/ 5 tons of all materials like stone aggregate, spawl, coal, lime, surkhi etc. B.G. Rail fastenings points and crossing bridges, girders, pipes, sheets rails, m.s. bars etc or 1000 nos. bricks, 10"x5"x3" or 1000 nos. tiles hyperlink 'mailto: 12@x6"/"x2" or 150 Cft of timber or 100 mounds of fuel wood by truck or any other means owned by the contractors. (Carriage. S.Item No. 1 Page No.1).

i) Bajri from crusher to site of work. (Lead upto ^{1/2} 30 Miles).

Qty ²⁰²⁴ ~~4938.0~~ Cft @ Rs. ^{1097/56} ~~4813/88~~ P% Cft

^{is} 22215/-
~~Rs. 80500/-~~

ii) Hill sand from Ghaggar quarry. (Lead up to ³⁵ 42 Miles).

Qty 2469.00 Cft @ Rs. ^{1716/20} ~~4844/42~~ P% Cft

^{is} 42373/-
~~Rs. 48000/-~~

iii) Cement from jaweden cement factory. (Lead up to 20 Miles).

Qty 682 Bag @ Rs. ^{18/33} ~~48/33~~ P.Bag

Rs. 12501/-

(iv) Stone ballast from Gazsi (Lead 28 miles)
2915 cft

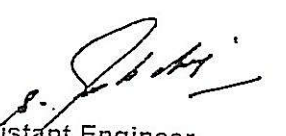
@ Rs. ^{1485/28} ~~1485/28~~ P% cft


~~Rs. 8,60,943/-~~

^{is} 43383/-

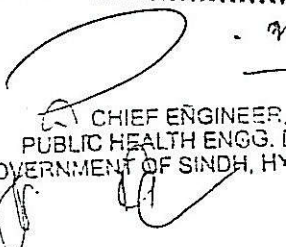
^{is} 77967/-

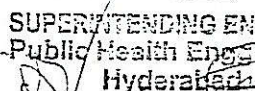
^{is} 779700/-


Assistant Engineer
Public Health Engg: S/Division No.
District Karachi


Executive Engineer
Public Health Engineering
Division Karachi

TECHNICAL SANCTIONED For Rs: ^{7,79,700/-} ~~7,79,700/-~~
(RUPEES: ^{Seven Lacs, Seventy nine thousand seven hundred} ~~Seven Lacs, Seventy nine thousand seven hundred~~) ONLY


CHIEF ENGINEER,
PUBLIC HEALTH ENGG. DEPTT.
GOVERNMENT OF SINDH, HYDERABAD


SUPERINTENDING ENGINEER
Public Health Engg: Circle
Hyderabad

GOVERNMENT OF SINDH
PUBLIC HEALTH ENGINEERING DEPARTMENT
DISTRICT KARACHI

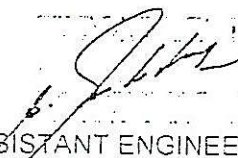
FUND HEAD :- PROVINCIAL
MAJOR HEAD :-
MAJOR HEAD :- Rural Water Supply Scheme Shanti Nagar
Distt: Karachi (O/M)
SERVICE HEAD :- Detailed Working Estimate C.C Plinth Protection at
Columns of HSR Replacement of MS Pipe 4"8" & 12"dia
And distribution PE Pipe 3"dia I/C Repairing of
Compound wall for R/W/S Scheme Shanti
Nagar District Karachi.(O/M)

Estimate has been prepared in the office of the Executive Engineer Public Health Engineering Division Karachi for the Probable Expenditure that will be incurred on C.C Plinth Protection at Columns of HSR Replacement of MS Pipe 4"8" & 12"dia And distribution PE Pipe 3"dia I/C Repairing of Compound wall for R/W/S Scheme Shanti Nagar District Karachi.(O/M)

R 869500/
ESTIMATE COST Rs.7.64.168/00

GENERAL DESCRIPTION

1. This Estimate for C.C Plinth Protection at Columns of HSR Replacement of MS Pipe 4"8" & 12"dia And distribution PE Pipe 3"dia I/C Repairing of Compound wall for R/W/S Scheme Shanti Nagar District Karachi.(O/M)
2. Rates have been provided from General Schedule and Public Health schedule of rates.
3. The work will be carried out as per P.W.D specification.
4. Funds are available.
5. The scheme started in the year 1989 and completed in the year 1999 the piping work of HSR is rusted so it should be replaced, its column also need repair and compound wall, pictures are attached for ready reference


ASSISTANT ENGINEER
PUBLIC HEALTH ENGG / SUB-DIVN:
NO. III, DISTRICT KARACHI

ETAILED WORKING ESTIMATE FOR C.C PLINTH PROTECTION AT COLUMNS OF HSR.
PLACEMENT OF MS PIPE 4" DIA, 8" DIA, 12" DIA AND DISTRIBUTION PE PIPE 3" DIA I/C
REPAIRING OF COMPOUND WALL FOR R/W/S SCHEME SHANTI NAGAR DISTRICT EAST
KARACHI (O/M)

Excavation for foundation building bridges and other structures i/c dag belling dressing refilling around. The structure with excavated earth watering and ramming lead upto 5 feet. (GSI No. P/No. 4)

Protection of HSR footing

$$16 \times 4.0 \times 2.0 \times 0.37 \times 1.0 = 47.36 \text{ Cft.}$$

$$\text{Repair of C/Wall } 1 \times 100 \times 2.5 \times 2.0 = 500.00 \text{ Cft.}$$

$$547.36 \text{ Cft.}$$

547.36 Cft. @ Rs. 3554/38 P%oCft. Rs. 1946/-

2. Cement Concrete brick or stone ballst 1" - 1/2" to 2" gauge (G.S Item No. 4 (b) P/17)

Ratio 1:4:8

$$1 \times 100 \times 2.5 \times 0.5 = 125.0 \text{ cft.}$$

125.00 cft @ Rs. 9416/28 P%oCft Rs. 11770/-

3. Errection and removal of quantity (GSI No. 19 (ii) P-17)

$$\text{Around the column } 16 \times 4.0 \times 2.0 \times 5.0 = 640.00 \text{ sft.}$$

$$\text{C/Wall } 1 \times 2.0 \times 100 \times 2.00 = 400.00 \text{ sft.}$$

1040.00 sft.

1040.00 Sft. @ Rs. 3127/41 P%Sft. Rs. 32525/-

4. Cement concrete plain i/c placing compacting finishing and curing complete i/c screening and washing of stone aggregate w/o shuttering 1:2:4. (GS Item No. 5 (a) Page No. 17)

$$\text{For column } 16 \times 4.0 \times 2.0 \times 0.37 \times 5.0 = 236.80 \text{ cft.}$$

$$\text{For C/Wall } 1 \times 100 \times 2.0 \times 1.50 = 300.00 \text{ cft.}$$

Total 536.80 cft.

536.80 Cft. @ Rs. 14429/25 P%Sqft. Rs. 77456/-

5. Providing laying (1:3:6) cement concrete solid block masonry wall above 6" thickness set in (1:6) cement mortar in ground floor super structure i/c sacking out joints & curing etc. complete (G.S. Item No. 23 P. No. 18)

$$\text{C/Wall } 1 \times 100.0 \times 0.5 \times 4.0 = 200.00 \text{ cft.}$$

200.00 Cft. @ Rs. 14621/44 P%oCft. Rs. 29243/-

Cement plaster (1:4) upto ¹²20' height 1/2" thick (G.S.I. No. ^{11(b)}10 Page No. ⁵²58).

C/wall i/c Plinth 1 x 2 x 100.0 x (4 + 2) = 1200.00 sft.
 1200.00 Sft @ Rs. 2283/93 P%Sft Rs. 27407/-

7. Manufacturing & Supplying M.S pipe made out of M.S. Sheet (3/16" thick) i/c cutting folding and soldering etc. complete (R.A Approved) *Based on schedule*

(i) 4" dia (Suction) 2 x 30 = 60.00 Rft.
 60.00 Rft. @ Rs. ^{506/60}~~516/60~~ P.Rft. Rs. ^{30396/-}~~30996/-~~

(ii) 8" dia (Delivery Pipe) 12 x 40 = 40.00 Rft.
 40.00 Rft. @ Rs. 980/20 P.Rft. Rs. 39208/-

(iii) 12" dia (Manifold) 12 x 40 = 40.00 Rft.
 40.00 Rft. @ Rs. 1475/05 P.Rft. Rs. 59002/-

8. Supplying & Fixing M.S. flanges made out of 3/4" thick M.S. Sheet i/c drilling and soldering with M.S. Pipe. (R.A approved).

4" dia 2 x 6 = 12 Nos. @ Rs. 596/75 Each Rs. 7161/-

8" dia 2 x 04 = 08 Nos. @ Rs. 1002/44 Each Rs. 8020/-

12" dia 2 x 04 = 08 Nos. @ Rs. ^{1522/94}~~1475/05~~ Each Rs. ^{12184/-}~~11800/-~~

9. C.I. Sluice valve heavy pattern (Test pressure 300 lb/sq. inch (imported) (PHSM Item No. 2 Page No.11)

4" dia = 1 x 4 = 04 Nos. @ Rs. 5460/- Each Rs. 21840/-

8" dia = 2 x 1 = 02 Nos. @ Rs. 17940/- Each Rs. 35880/-

12" dia = 1 x 1 = 01 Nos. @ Rs. 78000/- Each Rs. 78000/-

10. Jointing C.I. / M.S. flanged pipes and specials flanged and inside a trench including supplying rubber packing of the required thickness nuts, bolts with washers etc. and other tools required for jointing and testing the joints to the specified pressure etc. complete (PHSI No. 1 Page No.40).

4" dia 1 x ^{14 = 14}~~16~~ Joint. @ Rs. 513/- P.Joint Rs. ^{7182/-}~~8206/-~~

8" dia 1 x 08 = 08 Joint. @ Rs. 940/- P.Joint Rs. 7520/-

12" dia 1 x 06 = 06 Joint. @ Rs. 2239/- P.Joint Rs. 13434/-

~~18" dia~~ ~~1 x 02 = 02 Joint.~~ ~~@ Rs. 3456/-~~ ~~P Joint~~ ~~Rs. 6912/-~~
 Providing Laying (3-19/2-41) cable 660/1000 volts PVC Insulated with 3-7-1.044 (6 mm²)
 (Main or sub-main) PVC Conduit on surface (E.S. I.N. etc. - P-3) etc. complete.

1 x 3 x 150.0 = 450.00 Rft.

450.00 Rft. @ Rs. ~~122/12~~ ^{128/61} P.Rft. ^{Rs. 57875/-} ~~Rs. 54954/-~~

12. Providing automatic star delta STARTER (type Taiwan made) (MCU) i/c providing and fixing on prepared board iron (clad) triple pole and natural switch fuse with rewirable type fuse link carrier 500 volts meter 0-500 volts and Amps : installed on metallated board i/c providing & fixing metallated board to accomodate main or sub main control switch recessed in the wall size 3' x 4' i/c providing phase indication bulbs with holder and providing internal electric wiring for main with 3-19/1.53 (19/0.64) PVC insulated wire 660 Volts grade in 40mm (1. 1/2") PVC conduit on surface as required & (for 30 BHP)

1 x 1 = 01 No.

1 No ~~450.00 Rft.~~ @ Rs. ~~55,000/-~~ ^{56875/-} Each ^{Rs. 56875/-} ~~Rs. 55,000/-~~

13. Excavation for pipe line in trenches, and pits in all kinds of soil of Murum i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering in charge, providing fence guards, lights, flags and temporary crossing for non vehicular traffic were every required lift upto 5 ft. and lead upto one chain (P.H.S. Item No. 5 Page No. 62).

For 3" dia

1 x 600 x ~~2.25~~ ^{2.0} x 3.0 = ~~4050.00~~ ^{3600/-} cft.

For 4" dia

1 x 400 x ~~2.25~~ ^{2.0} x 3.0 = ~~2700.00~~ ²⁴⁰⁰ cft.

Total = ~~6750.00~~ ⁶⁰⁰⁰ cft.

~~6750.00~~ ⁶⁰⁰⁰ Cft. @ Rs. 4650/- P%oCft. ^{Rs. 27900/-} ~~Rs. 31388/-~~

14. Providing laying jointing of polyethylene pipe (HDPE-100) SDR ~~13.6/PN-8~~ conforming to ISO-4427 Din 8074-8075 & PS 3380:1994 Manufactured by API certified, fixing in trench including cutting fitting and jointing, including testing with water to a pressure of also includes Transportation charges of pipe from Factory to site of work @ working pressure of 6 bars (201 ft. / 87 PSI No. 10 Page No. 25): etc complete in all respect the high Density Polyethylene PE pipe (HDPE-100) for w/s conforming ISO 4427/ Din 8074/8075 BS 3520 & PS 1335 (P.H.S. I.N. F-1 - P-25)

3" dia
90 mm

1 x 600 = 600.00 Rft.

600.00 Rft. @ Rs. 148/- P.Rft. ^{Rs. 88800/-} ~~Rs. 88000/-~~

4" dia
110 mm

1 x 400 = 400.00 Rft.

400.00 Rft. @ Rs. 224/- P.Rft. Rs. 89600/-

Refilling the excavated stuff and trenches 6" thick layer including watering, ramming and full compaction etc. Complete (PHSI No. 24 Page No. 77)

$$\frac{6750.00 \times 90}{100} = 6075.00 \text{ cft.}$$

6075.00cft. @ Rs. 2760/- P%oCft. $\frac{18 \times 14904}{836128}$
~~Rs. 16767/-~~
 Total ~~8,27,170/-~~
 836128

16. Cartage of PVC pipe and class by Mechanical Transportation including loading unloading and stocking to site of work (Lead ~~20~~ miles).

3" dia	600.00 Rft.	@ Rs. $\frac{33}{64}$ 19/37	P%Rft.	$\frac{18 \times 202}{11622}$ Rs. 11622/-
4" dia	400.00 Rft.	@ Rs. $\frac{56}{25}$ 22/43	P%Rft.	$\frac{225}{12972}$ Rs. 12972/-

CARTAGE

17. Cartage of 100 Cft/ 5 tons of all materials like stone aggregate, spawl, coal, lime, surkhi etc. B.G. Rail fastenings and crossing bridges, girders, pipes, sheets rails, m.s. bars etc or 1000 nos. bricks, 10"x5"x3" or 1000 nos. tiles hyperlink 'mailto: 12@x6"/"x2" or 150 Cft of timber or 100 mounds of fuel wood by truck or any other means owned by the contractors. (Carriage. S.Item No. 1 Page No.1).

i) Bajri from crasher to site of work. (Lead upto ~~38~~ Miles).

Qty $\frac{776}{768.0}$ Cft @ Rs. $\frac{934}{1913}$
~~88~~ P%oCft ✓ ~~Rs. 13930/-~~
 7254/-

ii) Hill sand from Ghaggar quarry. (Lead up to ~~42~~ Miles).

Qty $\frac{431}{427.00}$ Cft @ Rs. $\frac{52}{2269}$
~~72~~ P%oCft ✓ ~~Rs. 8301/-~~
 9782/-

iii) Cement from jaweden cement factory. (Lead up to ~~20~~ Miles).

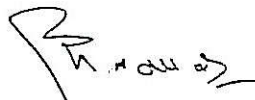
Qty 138 Bag @ Rs. $\frac{17}{18}$
~~113~~ P.Bag ~~Rs. 2529/-~~
 2364/-

Adiq. cont. Profit m.s.m. on Rs 135720/-


~~Rs. 876524/-~~
 13572/-

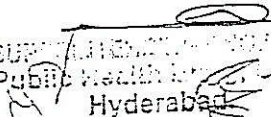
Total Rs 869571/-
 say Rs 869500/-


 Assistant Engineer
 Public Health Engg: S/Division No.
 District Karachi


 Executive Engineer
 Public Health Engineering
 Division Karachi

TECHNICAL SANCTIONED For Rs: 869500/-
 (RUPEES: Eight lac sixty nine
 thousand five hundred) ONLY


 CHIEF ENGINEER,
 PUBLIC HEALTH ENGG. DEPTT.
 GOVERNMENT OF AP, HYDERABAD


 Public Health Engg. Officer
 Hyderabad