

OFFICE OF THE EXECUTIVE ENGINEER
PUBLIC HEALTH ENGINEERING DIVISION JAMSHORO

NO.TC/2941

OF 2017,

Jamshoro dated: - 18 / 10 /2017.

NOTICE INVITING TENDER

Tenders are invited from interested persons/suppliers/ contractors/company/firms B-I /B-II forms as per SPPR Rules 2010.

S. NO	NAME OF WORK	ESTIMATED COST (IN MILLIONS)	EARNEST MONEY (IN MILLIONS)	TENDER FEE	TIME ALLOWED
1	Construction of RCC Nala from Dhamal Chowk to Jahaz Chowk Sehwan Sharif Taluka Sehwan District Jamshoro.	25.441	1.272	3,000/-	18 Months
2	Water Supply Scheme Bajara Taluka Sehwan District Jamshoro	17.735	0.887	3,000/-	18 Months

The Blank Tender forms can be obtained from office of the undersigned on any working day during office hours from date of publication to 20/11/2017 on payment of tender fee, specified against each work.

The Tender will be received back on 21/11/2017 upto **04.00 P.M** and opened on the same day at **4.30 P.M.** in presence of the contractors or their authorized agents before **Procurement Committee** in this office. If the undersigned is out of Head Quarter, the tender will be opened on next working day.

Received Date & Time 2nd Attempt

In case of un-responded tenders or any other fact the next date of issue will be upto 07/12/2017 & will be received back on 07/12/2017 at **4.00 PM** and opened at **4.30 PM.**" on the same day. In case of Public Holiday, the bids shall be submitted and opened as per schedule on the next working day" or intimated Local Corrigendum on the Notice Board, respectively at same time with similar conditions. Earnest Money shall be in favour of Executive Engineer, PHE Division Jamshoro. The documents will be required as per SPPRA Rules; otherwise the tender will not be entertained without 5% of Bid Cost. The contractors are not allowed to with draw their earnest money till the period as specified in agreement is exhausted. The following is the requirement for participating in Bid.

- i. Valid Registration Certificate of Pakistan Engineering Council, for the tender amount and relevant nature of work with specialized Category CE-09, CE-10 & EE 11 for the year 2017.
- ii. Full Name, permanent Address, Telephonic and Fax Number, E-Mail & the Organizational structure.
- iii. Bio-Data of Technical Staff Employed and to be made available for work on above works.
- iv. Details of work executed during the last Five Years including copy of certificate for satisfactory completion of works by client.
- v. Documents proof and ownership of available Machinery and T&P.
- vi. List, Scope and approximate cost of works in hand.
- vii. Financial turnover for last 3 years being average not less than thrice the cost of work under procurement.
- viii. Affidavit that the Bidder has not been black listed by any Government / Semi Government / Autonomous Body.
- ix. NTN Certificate from FBR including CNIC.
- x. SRB Certificate from Sindh Revenue Board.
- xi. Diesel Engine / Generator Set / Pumping Machinery works, Certificate required from Electric Inspector License.
- xii. Method of procurement, Single stage envelope.
- xiii. Experience Certificate of similar nature of work completed during last 3 years.

xiv. That the Tender Documents shall be issued to the Bidders, who fulfill the criteria mentioned in the NIT.

Conditional or Telegraphic Tenders will not be entertained

"The Procuring Agency may reject all or any bids subjected to the relevant provisions of SPPRA Rules 2010"

The work order of the successful contract will be issued on receipt of funds from the Government.

Address: -
Behind Zubaida Girls College
Hyderabad

Sd/-
(SHAFIQUE HUSSIAN MEMON)
EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG DIVISION
JAMSHORO

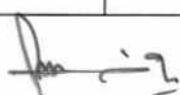
Copy forwarded with compliments to: -

01. The Chief Engineer, Public Health Engineering Department, Government of Sindh Hyderabad.
02. The Superintending Engineer, Public Health Engineering Circle, Hyderabad
03. The Director (C.B) Sindh Public Procurement Regulatory Authority, Government of Sindh Karachi.
04. The Director Information (Adv.), Information Department, Government of Sindh, Barrack-96 Sindh Secretariat Shakra-e-Iraq Karachi for advertisement in leading daily News Papers (Urdu, Sindhi & English) (one insertion only) (seven copies).
05. The Chairman / Members Complaint Redressal Committee
06. The Chairman / Members Procurement Committee
07. Executive Engineer's (all) under Superintending Engineer, Public Health Engineering Circle, Hyderabad for information.
08. The Assistant Engineer, Public Health Engineering Sub-Division Jamshoro / Sehwan for information.
09. Copy to Notice board.

Sd/-
(SHAFIQUE HUSSIAN MEMON)
EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG DIVISION
S JAMSHORO

(Annexure-A)
PROCUREMENT PLAN (Development)



Serial No/ ADP No:	Name of Scheme & Estimated Cost	Allocated Funds	Cost of ongoing works (Expenditure already incurred)	Funds ongoing works	Cost of new works (components)	Funds for New works	Nature of Procurement	Method of Procurement	Anticipated / Actual Date of Advertisement	Anticipated / Actual Date of Start	Anticipated/ Actual Date of Completion
1	2	3	4	5	6	7	8	9	10	11	12
Provincial Annual Development Programme 2017-2018											
1	Construction of RCC Nala from Dhamal Chowk to Jahaz Chowk Sehwan Sharif Taluka Sehwan District Jamshoro (25.441)	25.441	0.000	25.441	1. RCC Nala Rs:25.441	25.441	Execution of construction work	Single Stage Envelope	10/2017	After issue of Work Order in December 2017	Jun-19
1	Water Supply Scheme Bajara Taluka Sehwan District Jamshoro (17.735)	17.735	0.000	17.735	1. Tube Well 02 Nos. 2. Pump House 02 Nos. 3. Pumping Machinery 15 BHP 02 Nos. 4. HP P.C Pipe PN-8 5. Compound Wall 6. G.I Pipe 7. Plate Form 02 Nos: 8. Solar System 02 Nos: Rs:17.735	17.735	Execution of construction work	Single Stage Envelope	10/2017	After issue of Work Order in December 2017	Jun-19


(SHAFIQUE HUSSAIN MEMON)
 EXECUTIVE ENGINEER
 PUBLIC HEALTH ENGG: DIVISION
 JAMSHORO

ANNEXURE-II
PROCUREMENT PLAN (Non-Development)

S. No	Found Head & Sub head	Name of work and break up	Allocated Found and break up for different locations/sites	Items to be executed	Method of Procurement	Anticipated/Actual of Advertisement	Anticipated/Actual Date of Start	Anticipated/Actual Date of Completion	Remarks
1	2	3	4	5	6	7	8	9	10

-----NIL-----


(SHAFIQUE HUSSAIN MEMON)
EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
 JAMSHORO



GOVERNMENT OF SINDH
PUBLIC HEALTH ENGINEERING AND
RURAL DEVELOPMENT DEPARTMENT

Karachi dated the 27th January, 2017.

NOTIFICATION

NO. SO(T)/PHE/SPPRA-Rules/2013/(Pt-II):- In exercise of powers conferred by rule-7 & 8 of SPP Rules, 2010, the division wise procurement committees in Public Health Engineering Department are hereby re-constituted as under:-

S. NO.	NAME OF PHE DIVISION	PROCUREMENT COMMITTEE	CHAIRMAN/ MEMBER
01.	Hyderabad-I	Executive Engineer, Public Health Engineering Division No.I, Hyderabad-I Executive Engineer, Education Works Division, Hyderabad Section Officer(Admn.) PHE, Public Health Engineering & Rural Development Department	Chairman Member Member
02.	Hyderabad-II	Executive Engineer, Public Health Engineering Division No.II, Hyderabad Executive Engineer, Education Works Division, Hyderabad Section Officer(Admn.) PHE, Public Health Engineering & Rural Development Department	Chairman Member Member
03.	Jamshoro	Executive Engineer, Public Health Engineering Division, Jamshoro Executive Engineer, Education Works Division, Jamshoro Section Officer(Admn.), PHE, Public Health Engineering & Rural Development Department	Chairman Member Member

[Handwritten Signature]

04.	Tando Mohammad Khan	Executive Engineer, Public Health Engineering Division, Tando Mohammad Khan	Chairman
		Executive Engineer, Education Works Division, Tando Mohammad Khan	Member
		Section Officer(Admn.) PHE, Public Health Engineering & Rural Development Department	Member
05.	Matiari	Executive Engineer, Public Health Engineering Division, Matiari	Chairman
		Divisional Accounts Officer, Hala Division, Irrigation Department, Hyderabad	Member
		Section Officer(Admn.) PHE, Public Health Engineering & Rural Development Department	Member
06.	Karachi-I	Executive Engineer, Public Health Engineering Division, Karachi-I	Chairman
		Executive Engineer, Local Govt. Department, Karachi	Member
		Section Officer(Admn.) PHE, Public Health Engineering & Rural Development Department	Member
07.	Karachi-II	Executive Engineer, Public Health Engineering Division, Karachi-II	Chairman
		Executive Engineer, Local Govt. Department, Karachi	Member
		Section Officer(Admn.) PHE, Public Health Engineering & Rural Development Department	Member

24.	Shikarpur		Executive Engineer Public Health Engineering Division, Shikarpur	Chairman
			Executive Engineer, Machinery & Maintenance Division, Khairpur @ Shikarpur	Member
			Section Officer (Tech.) PHE, Public Health Engineering & Rural Development Department	Member
25.	Kashmore Kandhkot	@	Executive Engineer, Public Health Engineering Division Kashmore @ Kandhkot	Chairman
			Executive Engineer, Roads, Kashmore @ Kandhkot	Member
			Section Officer (Tech.) PHE, Public Health Engineering & Rural Development Department	Member
26.	Thatta		Executive Engineer, Public Health Engineering Division Thatta	Chairman
			Executive Engineer, Highway Division, Thatta	Member
			Section Officer (Admn.) PHE, Public Health Engineering & Rural Development Department	Member
27.	Sujawal		Executive Engineer, Public Health Engineering Division Sujawal	Chairman
			Executive Engineer, Highway Division, Thatta/Sujawal	Member
			Section Officer (Admn.) PHE, Public Health Engineering & Rural Development Department	Member



28.	Badin	Executive Engineer, Public Health Engineering Division Badin	Chairman
		Executive Engineer, Highway Division, Badin	Member
		Section Officer(Admn.)PHE, Public Health Engineering & Rural Development Department	Member

Terms of reference of the Committees:-

01. Preparing bidding documents
02. Carrying out technical as well as financial evaluation of the bids
03. Preparing evaluation report as provided in Rule- 45
04. Making recommendations for the award of contract to the competent authority and
05. Perform any other function ancillary and incidental to the above

The Procurement Committees constituted vide this department Notification No. SO(T)/PHE/SPPRA-Rules/2013(pt-II) dated 16-05-2013 dated 05-05-201, dated September, 2015 & letter No. SO(T)/PHE/SPPRA-Rules/2013 dated 19-12-2016 are hereby repealed.

TAMEEZUDDIN KHERO
SECRETARY TO GOVERNMENT OF SINDH

NO. SO(T)/PHE/SPPRA-Rules/2013/(Pt-II):- Karachi dated the 27th January, 2017.

CC to:-

01. The Secretary, Works & Services Department, Govt. of Sindh, Karachi.
02. The Secretary, Local Government Department, Govt. of Sindh, Karachi.
03. The Secretary, Irrigation Department, Govt. of Sindh, Karachi.
04. The Secretary, School Education Department, Govt. of Sindh, Karachi
05. The Chief Engineers, Public Health Engineering Deptt. Hyderabad/Sukkur.
06. The Managing Director, Procurement Regulatory Authority, Sindh, Karachi.
07. The PS to Minister, Public Health Engineering & Rural Dev. Deptt. Sindh, Karachi.
08. The PS to Secretary, Public Health Engineering & Rural Dev. Deptt. Sindh, Karachi.
09. The Members concerned.

NO. E/GM/PHE/196

Hyd: dt 3/2/2017

A copy is forwarded to the Superintending Engineers PHE circle Hyderabad and Mr. M. Bux Jarwar for information and necessary action.

(KHALIL AHMED USMANI)
CHIEF ENGINEER
Public Health Engg. Deptt.



Issue bid to M/S.MR. _____

D.R No. _____ / Dated: - _____

Tender Fee Rs:- _____

Water Supply Scheme Bajara Taluka
Sehwan District Jamshoro

STANDARD BIDDING DOCUMENTS
PROCUREMENT OF WORKS
(For Contracts Costing upto Rs. 2.50 (M) to 50.0 (M))

STANDARD BIDDING DOCUMENT IS INTENDED AS A MODEL FOR ADMEASUREMENTS (PERCENTAGE RATE FOR UNIT RATES IN A BILL OF QUANTITIES TYPES OF CONTRACT THE MAIN TEXT REFERS TO ADMEASUREMENTS CONTRACTS.

BIDDING DATA

(This section should be filled in by the Office of the Executive Engineer Public Health Engg: Division, Jamshoro before issuance of the bidding documents).

(a)	Name of Procuring Agency:-	The Executive Engineer Public Health Engineering Division Jamshoro
(b)	Brief Description of Works:-	Water Supply Scheme Bajara Taluka Sehwan District Jamshoro
(c)	Procuring Agency Address:-	Executive Engineer, Public Health Engg: Division Jamshoro Behind Zubaida Girls College @ Hyderabad.
(d)	Estimated Cost:-	Rs:17.735 Million
(e)	Amount of Bid Security:-	Rs: 0.887 Million
(f)	Period of Bid Validity (Days): -	(90 Days)
(g)	Security Deposit (i/c Bid Security): -	(10%)
(h)	Percentage, if any, to be deducted from bills: -	(7.50% & 10% Income Tax Deduction & 05% Security Deposit)
(i)	Deadline for submission of Bids along with time: -	20/11/2017 (04:00 P.M)
(j)	Time, and Date of Bid Opening: -	21/11/2017 (04:30 P.M)
(k)	2 nd Attempt Deadline for Sale / submission of Bids along with time: -	07/12/2017 (04:00 P.M)
(l)	2 nd Attempt Time, and Date of Bid Opening: -	07/12/2017 (04:30 P.M)
(m)	Time for completion from written order of Commence: -	18 Months
(n)	Liquidity Damages: -	(01% On Estimated Cost) Per day subject to Minimum of 10%
(o)	Deposit Receipt No. Date & Amount (in words and figure)	CD NO: _____ dated: _____ Amount Rs: _____ Bank _____ _____ Mr./ M/S. _____

(SHAFIQUE HUSSAIN MEMON)
EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
JAMSHORO

BILL OF QUANTITIES.

NAME OF WORK:- WATER SUPPLY SCHEME BAJARA (TALUKA SEHWAN SHARIF)
(DISTRICT JAMSHORO).

(A) Description and rate of item based on Composite schedule of Rates

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
		GROUP 'A' P/INSTALLING TUBE WELL (2 NOS) 320.0 RFT: DEPTH			
	20 Tons	Carriage of 100 Cft: 5 Tons of all materials like stones , Aggregate Spawl, coal, lime surkhi, etc: B.G Rail fastening points and crossing Bridges, Pipes, Sheets, Rails, M.S Bars etc: or 1000 Nos: Tiles, 12"x6"x2" or 150 Cft: or timber or 100 manuds or fuel wood (by means of Material Trolly).out and back (lead 100 miles)	766/33	P:ton:	15,327/-
02	1 No:	Resisty survey	25000/-	P/Survey	25,000/-
03		Boring tube well in water bearing soil from G.I. upto 100'ft depth i/c sinking and with drawing of casing pipe (P.H.S.I.NO:1, P/41)			
i	100.0 Rft	12" dia	743/-	P/Rft	74,300/-
ii		Boring for Tube Well in all water bearing soils from depth 100.1 to 200.0 or 30.51 meter below ground level i/c sinking and with drawing of casing pipe. (P.H.S.I.NO:2,(e) P/42)			
	100.0 Rft	12" dia	849/-	P/Rft	84,900/-
iii		Boring for Tube Well in all water bearing soils from depth 100.1 to 300' ft: or 60.01 to 91.50meter below ground level i/c sinking and with drawing of casing pipe. (P.H.S.I.No:3,(e),P/42).			
	100.0 Rft	12" dia	989/-	P/Rft	Rs:98,900/-
iv		Boring for Tube Well in all water bearing soils from depth 100.1 to 300' ft: or 60.01 to 91.50meter below ground level i/c sinking and with drawing of casing pipe. (P.H.S.I.No:3,(e),P/42).			
	50.0 Rft	12" dia	1073/-	P/Rft	Rs:53,650/-
04	01 No:	Providing strong substantially build wooden locked box with compartments for preserving 2 lbs (1 kg) samples of starts (P.H.S.I.NO:5, P/43)	3530/-	Each	3,530/-
5	18 Nos:	Taking & preserving in box 2 lbs (1 kg) sample of starts from bore holes (P.H.S.INO:6, P/43)	101/-	P/Each	1,818/-
6	18 Samples	Taking samples of water from bore holes and placing in two separate bottles. (P.H.S.I.NO: 7, P/43)	131/-	P/Sample	2,358/-
7		Supply and installing PVC Blind pipe "B" Class of approved design quality and make i/c necessary socket etc: complete. 8" dia (P.H.S.O.M.I.NO:12 P/44)			
	180.0 Rft	8" dia	516/80	P/Rft:	93,024/-

(Cont: on page NO:02)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
8		Supplying and installing PVC strainer 'B' Class of approved design quality and make i/c necessary socket etc: complete. (P.H.S.O.M.I.NO;9, P/ 43)			
	170.0 Rft	8" dia	554/05	P/Rft	94,189/-
9		Shrouding with graded bajri (3/8" to 1/8" or 9 to 3 mm) in between bore and blind pipe for the following diameter or strainers (P.H.S.I.NO:13, P/45)			
	350 Rft	8" dia	105/-	P/Rft	36,750/-
10	24 Hours	Development of charge of tube well.(R.A.Attached).	2155/-	P/hour	51,720/-
11	1 No:	M.S. Bail of approved quality (8mm thick)2.6 long (P.H.S.I.Sch:-8 (b) P/43)	2607/-	Each	2,607/-
12	1 No:	Construct concrete 1:2:4 around well hand casing complete (R.A. Approved)	3692/-	Each	3,692/-
641,765x2= =12,83,530 (-)15,327 = 12,68,203/-				Total	6,41,765/-
					12,68,203/-
Group 'B' Construction of Pump House.					
01	631.25 Cft	Excavation in foundation of building bridges and other structures including dabling dressing refilling around structures with excavated earth watering and ramming lead upto 5'ft (in ordinary soil) (G.S.I.NO;18,. P/4)	3176/25	P% ⁰ cft	2,005/-
02	63.12 Cft	Cement concrete brick or stone ballast 1½" to 2" gauge Ratio:1:4:8(G.S.I.NO;4(b)P/16)	9416/28	P%cft	5,944/-
03	462.0 Cft	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 currying rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other (G.S.I.NO;6(a)(i)P/17)	337/-	P/cft	1,55,694/-
04	18.56 Cwt	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars (G.S.I.NO;7(ii)(a)P/20)	5001/70	P/Cwt	92,832/-
05	152.00 Cft	Pacca brick work ground floor including striking of joints Up to 20' ft height in cement sand mortar (1:6) (GSINO:I-e,P-21)	12674/36	P%Cft	19,265/-
06	512.00 sft	Cement plaster (1:4) 3/8" thick upto 12'ft height (G.S.I.NO;11(b) P/58)	2197/52	P%Sft	11,251/-
07	512.00 Sft	Cement plaster (1:6) ½" thick upto 20'ft height (G.S.I.NO;11(b) P/58)	2206/60	P%sft	11,298/-
08	64.00 Sft:	Providing & laying 2" thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels (G.S.I.NO;16(c) P/43)	3275/50	P%Sft:	2,096/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
09	28.00 Sft	Making and fixing steel grated door with 1/16" thick sheeting i/c angle iron frame 2"x2"x3/8" and 3/4" square bars 4" center to center with locking arrangement (G.S.I.NO;28, P/97)	726/72	P/Sft	20,348/-
10	1.70 Cwt	Fabrication of heavy steel work with angles tees, flat iron, round iron and sheet iron for making trusses girdes tands etc including cutting tanks etc. i/c cutting drilling iverting handling assembling and fixing but excluding erection in position (G.S.I.No.2,P-91)	4928/49	P/Cwt	8,378/-
11	20.00 Sft	Supplying & frixing in position iron / steel small 3/4" x 3/4" sign flate iron of approved design i/c painting 3 coats etc: with 3.7 lbs	180/50	P/Sft	3,610/-
12	3.05 Cwt	Errection and fitting in position of iron trusses staging of water tanks etc: (G.S.I.NO;3, P/96)	271/04	P/Cwt	461/-
13	56.00 Sft	PAINTING NEW SURFACE. Preparing surface and painting of doors and windows in any type (3 coats) (G.S.I.NO;5P/69)	2116/41	P%sft	1,185/-
14	622.25 Sft	Priming coat of chalk (G.S.I.NO; 23, P/54)	442/75	P%sft	2,755/-
15	512.00 Sft	Distempering (2 coats) (G.S.I.NO;24, P/54)	1043/90	P%Sft	5,344/-
				Total:	3,42,466/-
		Cost for 2 Nos: 3,42,466/-x2=6,84,932/-		Total	6,84,932/-
		Group 'C' Pumping Machinery 15 BHP			
01	2 Sets	Providing & installing position i/c transportation to the site of work at village Bajara Taluka Sehwan Sharif Ground fos submersible pump type HVP-30-13+15 HP/2 Motor complete capable to discharge 130 G.P.M. against a head of 270 ft 15 HP Ground fos motor (3x400Vx2 pole) i/c M.S. riser pipe of 3" dia 30 Nos: of 10'ft each with flanged ends. The flanges are no touched to accommodate the cable i/c of 2" dia containing bore hole cover plate with 90 bend sluice valve jacket, nuts and bolts and 2 sets of installation clamps (M.S) i/c nipple 2" dia (M.S) i/c 15 HP motor control unit consist of metallic box circuit breaker. Am-Meter selector switch volt meter volt meter selector switch electronic over current relay magnetic contractor under over voltage relay (EVR)dry running protection relay indication lamps and off switch i/c Electric and cable 1x1.50mmx90 m drop cable 3x6 mm x 131 meter cable clamps 45 Nos: cable termination kit etc: complete.	953700/--	P/Set	19,07,400/-
02		Providing G.I. Pipe of approved quality to be tested with pressure head of 200FT (S.S.I.No.P/5)			
	30.0 Rft	4" dia	439/63	P/Rft	13,189/-
03		Manufacturing supplying M.S. flange of different dia made out Of M.S. Steel of 3/8" thick i/c cutting drilling holes and welding Of flange with M.S pipe etc (R.A) base on sch;)			
	6 Nos;	4" dia	596/75	Each	3,581/-
04	10.50 Kg:	C.I. Tapper flate bottomed or central tapered flanged ends with holes Including turning and facing turning and facing of flanges for all size (P.H.S.I.M.I.NO;8, P/13)	120/-	P/Kg:	1,260/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
05		Reflex valve heavy pattern test pressure 300 lbs/sq; inch.(P.H.S.(M)I-16, P/12)			
	2 Nos:	4" dia	1706/25	Each	3,413/-
06		C.I Sluice valve heavy pattern test pressure 300 lbs/sq; inch (P.H.S.(M)I-02, P/12)			
	2 Nos:	4" dia	5460/-	Each	10,920/-
07	57.30 Kg:	Bend with flanged and work i/c jointing and fixing pf flanges for all size (PHSM.I.No.8,P-12)	120/-	P/Kg:	6,876/-
08		Jointing C.I/M.S flanged pipes and specials flanged and inside a trenches i/c 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. (P.H.S.I.NO;1, P/40)			
	10 Joints	4" dia	513/-	P/joint	5,130/-
				Total	19,51,769/-
		<u>GROUP 'D' RISING MAIN 6" DIA.</u>			
01	51188.00 Cft	Excavation for pipe lines into trenches and pits in Soft soil 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 Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO; 1, P/60)	3600/-	P% ⁰ cft	1,84,277/-
02		Providing, Laying & Fixing in trenches i/c fitting, jointing & testing etc: Complete in all respect the high Density Polyethylene PE Pipes (HDPE-80) for W/S confirming ISO 4427/DIN8075 B.S 3580 & PSI 3051(P.H.S.I.NO;1,(k)P/25)			
	6500.0 Rft	6" dia	440/-	P/Rft	28,60,000/-
03		G.I Pipe 6" Dia of approved quality to be tested with pressure.(S.S.I.No:iv,P/6)(For crossing)			
	24.00 Rft	6" dia	695/04	P/Rft	16,681/-
04		Manufacturing supplying M.S flanges of different dia made out of M.S sheet of various thickness i/c cutting drilling holes and welding of flanges with M.S pipe etc complete (Rate Approved Base on Sch:)			
	8 Nos:	6" dia	804/77	P/Rft:	6,438/-
05	74.44 Kg:	C.I Bend with flanged ends with holes i/c turning and facing of flanges for all size (P.H.S.I.No:8,P/98).	120/-	P/Kg:	8,933/-
06		High Density polyethylene Fitting.			
	5 Nos:	Bend 90° 6" Dia.	3480/-	Each:	17,400/-
	2 Nos:	Tee 6"x3"	3003/-	Each:	6,006/-
07		C.I Sluice valve heavy pattern test pressure 300 lbs/sq; inch (P.H.S.(M)I-16, P/97)			
	1 No:	6" dia	9360/-	Each	9,360/-

(Cont: on page No:05)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
08	5 Nos:	C.I Fire hydent Tee (P.H.S.I.No:) 6" dia	1375/-	Each	6,875/-
09	13 Nos:	C.I Tail Pieces (P.H.S(M)I.No:9,P/10). 6" dia	618/75	Each	8,044/-
10	12 Nos:	C.I Gabault Joint (G.S.I.No:14,P/103) 6" dia	1062/50	Each	12,750/-
11	5 Nos:	Air Valve double acting.(Local) (PHSMI.NO;8,P/13)	4000/-	Each	20,000/-
12	13 Joints:	Jointing C.I/M.S flanged pipes and specials flanged and inside a trenches i/c 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. (P.H.S.I.NO;1, P/35) 6" dia	938/-	P/Joint:	12,194/-
	5 Joints:	3" dia	499/-	P/Joint:	2,495/-
13	9 Joints	Butt Fusion Joint (P.H.SM.I.NO;H1, P/21)	1000/-	p/Joint	9,000/-
14	6 Nos:	Providing Chamber 3'x2' (915x615 mm) insidamension 4-1/2' (1372mm) deep as per approved design for sluice valve to 12"dia with 18" (457mm) dia inside cost iron cover and frame (wt= 1 cwt 3 sq) fixed in RCC 1:2:4 (102mm) thick (with 5 lbs steel per cft) 9" (299 mm) thick brick masonry wall set in 1:6 cement mortar 6" (1152 mm) thick cement concrete 1:3:6 in foundation 1" (25mm) thick cement concrete 1:2:4 flooring 1/2" (12.50 mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing M.S. foot rest at every one foot beyond 2-1/2 ft depth curing, excavation, back filling and disposal of surplus earth etc complete (PHS. I.No.Q-1 P/ 49)	18820/-	Each:	1,12,920/-
15	46069.20 Cft:	Refilling the excavated stuff in trenches 6" thick layers i/c watering ramming to full compaction etc: complete (P.H.S.I.NO;24, P/53) 90% Item No:1,2,3= 177150.00 Cft:	2760/-	P% ⁰ Cft:	1,27,151/-
				Total	34,20,524/-
GROUP 'E' COMPOUND WALL.					
01	1584.00 Cft:	Excavation in foundation of building bridges and other structures including dabbling dressing refilling around structures with excavated earth watering and ramming lead upto 5'ft (in ordinary soil)(G.S.I.NO;18, P/4)	3176/25	P% ⁰ Cft:	5,031/-
02	396.00 Cft:	Cement concrete brick or stone ballast 1 1/2" to 2" guage (Ratio 1:4:8)(G.S.I.NO:4, P/17).	9416/28	P% ⁰ Cft:	37,288/-
03	2709.00 Sft:	Erection & Removal of centering for RCC or plain cement concrete work of Dedor wood (2 nd class) (vertical) (G.S.I.No:19(ii),P/18).	3127/41	P% ⁰ Sft:	84,722/-
04	1354.50 Cft:	Cement concrete plain i/c placing compacting finishing and Currying complete (i/c screening and washing of stone aggregate without shuttering (Ratio 1:3:6)(G.S.I.NO; 5(a) p/18).	12595/-	P% ⁰ Cft:	1,70,599/-

(Cont: on page No:06)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
05	636.00 Cft:	Pacce Brick work other than building i/c striking of joints in cement sand mortar (1;6) upto 20'ft height. (G.S.I.NO;7, P/22).	12346/65	P%Cft:	78,525/-
06	78.00 Cft:	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 currying rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other (G.S.I.NO;6(a)(i)P/17)	337/-	P/Cft	26,286/-
07	3.13 Cwt	Fabrication of heavy steel work with angles tees, flat iron , round iron and sheet iron for making trusses girdes tands etc including cutting tanks etc.i/c cutting drilling iverting handling assembling and fixing but excluding erection in position (G.S.I.No.2,P-91)	5001/70	P/Cwt	15,655/-
08	3495.00 Sft	Cement plaster (1:4) 3/8" thick upto 12'ft height (G.S.I.NO;11(b) P/58)	2283/93	P%Sft	79,823/-
09	50.00 Sft	Making and fixing steel grated door with 1/16" thick sheeting i/c angle iron frame 2"x2"x3/8" and 3/4" square bars 4" center to center with locking arrangement(G.S.I.NO;28, P/97)	726/72	P/Sft	36,336/-
10	4899.0Sft:	Priming coat of chalk distemper (G.S.I.NO;23, P/53)	442/75	P%Sft:	21,690/-
11	4899.00 Sft:	Distemping (Two coats) (G.S.I.NO;23, P/53)	1043/90	P%SFT	51,141/-
12	100.00 Sft:	Painting New surface (c) preparing surface and painting of doors and windows any type(including edges (G.S.I.NO;5,(c) P/69)	2116/41	P%Sft:	2,116/-
				Total	6,09,212/-
		Group 'F' Distribution System 6", 4", 3" dia G.I Pipe.			
01		G.I Pipe 6" Dia of approved quality to be tested with pressure (S.S.I.No:iv,P/6) OF 200'FT (Medium)	605/-	P%Cft	58,988/-
i	1500.0Rft:	6" Dia.	695/04	P/Rft:	10,42,560/-
ii	2500.0Rft:	4" Dia.	431/95	P/Rft:	10,79,875/-
iii	1900.0Rft:	3" Dia.	304/02	P/Rft:	5,77,638/-
02	321.86 inch	Jointing Pipe line with welding @ site i/c externally asphalt Coating (S.M.I.No:29/P/10).	140/-	P/inch	45,060/-
03		Laying G.I Pipe / M.S Pipe (S & S) flanged and specials and fixing in trenches i/c cutting fitting and testing with water to specified pressure (P.;H.S.INO;8, P/78)			
i	1500.0Rft:	6" Dia.	11/64	P/Rft:	17,460/-
ii	2500.0Rft:	4" Dia.	7/76	P/Rft:	19,400/-
iii	1900.0Rft:	3" Dia.	5/82	P/Rft:	11,058/-
04		C.I Bend (P.H.S.I.No:1,P/14).			
	5 Nos:	Bend 90 ⁰ 6 "dia	2212/50	Each	11,063/-
	10 Nos:	Bend 90 ⁰ 4 "dia	893/75	Each	8,938/-
	6 Nos:	Bend 90 ⁰ 3 "dia	650/-	Each	3,900/-
	4 Nos:	Reducer 6"x4"	893/75	Each	3,575/-
	4 Nos:	Reducer 6"x3"	893/75	Each	3,575/-
	4 Nos:	Reducer 4"x3"	568/75	Each	2,275/-

(Cont; on page No:07)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
05		C.I Tee (Sch:of M-11P/11)			
	2 Nos:	6"x6"	1950/-	Each	3,900/-
	4 Nos:	6"x4"	1375/-	Each	5,500/-
	6 Nos:	6"x3"	1375/-	Each	8,250/-
	3 Nos:	4"x4"	1375/-	Each	4,125/-
	3 Nos:	3"x3"	968/75	Each	2,906/-
06		C.I Sluice valve heavy pattern test pressure 300 lbs/sq; inch (P.H.S.(M)I-16, P/97)			
	3 Nos:	6" dia	9360/-	Each	28,080/-
	4 Nos:	4" dia	5460/-	Each	21,840/-
	5 Nos:	3" dia	4290/-	Each	21,450/-
07		Manufacturing supplying M.S flanges of different dia made out of M.S sheet of various thickness i/c cutting drilling holes and welding of flanges with M.S pipe etc complete (Rate Approved Base on Sch:)			
	32 Nos:	6" dia	804/77	Each	25,753/-
	38 Nos:	4" dia	596/75	Each	22,677/-
	29 Nos:	3" dia	500/89	Each	14,526/-
09		C.I Short Piece (S.M.I.No:9,P/101).			
	6 Nos:	6" dia	618/75	Each	3,713/-
	08 Nos:	4" dia	487/50	Each	3,900/-
	10 Nos:	3" dia	375/-	Each	3,750/-
10		C.I Gabault Joint (G.S.I.No:14,P/103)			
	4 Nos:	6" dia	1062/50	Each	4,250/-
	5 Nos:	4" dia	731/25	Each	3,656/-
	8 Nos:	3" dia	568/75	Each	4,550/-
11		Jointing C.I/M.S flanged pipes and specials flanged and inside a trenches i/c 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. (P.H.S.I.NO;1, P/40)			
	06 Joints	6" dia	938/-	P/Joint:	5,628/-
	10 Joints	3" dia	499/-	P/Joint:	4,990/-
	8 Joints	4" dia	513/-	P/joint	4,104/-
12	576.00 Cft:	Excavation for pipe lines into trenches and pits in Soft soil 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 Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm) (P.H.S.I.NO;1(i)P/60).	3600/-	P% ⁰ Cft:	2,074/-
13	518.00 Cft	Refilling the excavated stuff in trenches 6" thick layers i/c watering ramming to full compaction etc: complete (.H.S.I.NO;24,P/53)	2760/-	P%0cft	1,430/-
				Total	30,27,429/-

(Cont: on page No:8)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
		GROUP 'G' PLATE FOR FORM SOLAR SYSTEM			
01	236.25 Cft:	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structures with excavated earth watering and ramming lead upto 5'ft(in hard soil or soft murm soil)(G.S.I.NO;18(c) , P/4)	3554/38	P% ⁰ Cft:	840/-
02	33.75 Cft:	Cement concrete brick or stone ballast 1½" to 2" guage (Ratio 1:4:8) (G.S.I.NO;4(b)P/16)	4916/28	P%Cft:	3,178/-
03	900.00 Sft:	Erection and removal of centering for R.C.C or plain cement concrete works of deodar wood) 2nd class)(for partial wood) (Vertical)(G.S.I.NO;19, P/21).	3127/41	P%Sft:	28,147/-
04	121.00 Cft:	Cement concrete plain i/c placing compacting finishing and Currying complete (i/c screening and washing of stone aggregate without shuttering (Ratio 1:2:4) (G.S.I.NO; 5(a) p/18).	14429/25	P%Cft:	17,459/-
05	600.00 Sft:	Cement plaster (1:4)1/2" thick upto 12' height (G.S.I.NO;11(b), P/52).	2283/93	P%Sft:	13,704/-
06	390.00 Rft:	G.I. Pipe 6" dia of approved quality to be tested with pressure (S.S.I.NO;IV, V P/6)	695/04	P/Rft:	2,71,066/-
07	22.60 Cwt:	Fabrication of heavy steel work with angles tees, flat iron , round iron and sheet iron for making trusses girdes tands etc including cutting tanks etc.i/c cutting drilling riverting handling assembling and fixing but excluding erection in position (G.S.I.No.2,P-91)	4928/49	P/Cwt:	1,11,383/-
08	390.00 Sft	PAINTING NEW SURFACE. Preparing surface and painting of fillets framing skirting pipes gutters similar umer works not exceed,6" girths any type (3 coats) (G.S.I.NO;5P/69)	974/71	P%Sft	3,801/-
		Cost for 2 No: 2x449578 = 8,99,156/-		Total:	4,49,578/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
		GROUP 'H' SOLAR SYSTEM.			
01	2 Sets	01.Solar panels 250W high efficiency cells 25 years warranty cell poly crystal ine.Providing, Installing, testing, connection and commissioning of solar PV modules. Cell, Type Polycrystalline. PVC module efficiency 16. (Qty:46) 17% to design 17KWP Solar PV array. PV Modules cells must be protected with IP65 compliance and must conform to the latest edition of IEC and other international standards, with all accessories as required up to satisfaction of the Engineer. 02.Solar mounting MS framing Shaheen make. Providing, Installing, confectioning, testing and commissioning of mounting structure of (Qty: 46) 14.4 KWP Solar PVC Arrays. The structure design shall be designed to sustain worst weather conditions. 03.Solar cable DC flexible 6mm pure copper for whole system Supply, connecting and termination of DC cables from PV modules to inverter and inverter to motor w.r.t.(Qty: 1)System ratings volts/amperes copper gird cable to be laid in PVC conduct across the Route with all accessories and materials required for completion of job. 04. Fenix Solar inverter (VFD) 15 KVA. Providing , installing, testing and commissioning of MPPT inverter for 15 kw PV array, 3 phase AC output voltage 230/400v, 50 Hz, efficiency 97% or higher complete with reverse current protection, power control module, gird monitoring and AC/DC connectors for input / output voltages complete with all accessories as required upto satisfaction of the Engineer. (Qty: 1) 05.Breakers and breakers box (Qty: 1) 06.Junction Box (Qty: 3) 07.Lux, ties, nut bolt (Qty: 1) 08.PVC cable protection pipe be nd for cable(Qty:1) 09.Lux, ties, nut bolt (Qty: 1) 10. Transportation of Goods. (Qty: 1) 11.Installation of the system (Qty: 1)	2616100/-	P/Set	52,32,200/-
				Total	52,32,200/-

A B S T R A C T

Group	Schedule Item	Non Schedule Item	Total
'A' Providing Installing Tube Well 2 Nos:	11,07,379/-	1,60,824/-	12,68,203/-
'B' Construction of Pump House.	6,84,932/-	-----	6,84,932/-
'C' Pumping Machinery 15 BHP	44,369/-	19,07,400	19,51,769/-
'D'P/L/J & Testing HP.P.E.Pipe (PN.8) Rising Main 6500.0 Rft:	34,20,524/-	-----	34,20,524/-
'E' Compound Wall.	6,09,212/--	-----	6,09,212/-
'F' Providing Laying Jointing and testing G.I Pipe.	30,27,429/-	-----	30,27,429/-
'G' Plate form for Solar System	8,99,156/-	-----	8,99,156/-
'H' Solar System	-----	52,32,200/-	52,32,200/-
Total	97,93,001/-	73,00,424/-	1,70,93,425/-

(cont: on page No:10)

Amount Total (a) + (b) Rs: _____

_____ % above / below on the rates of CSR, Amount to be added / deducted on the basis

Total (b) of premium quoted _____

Total (c) offered for Non-schedule items _____

Total (A) = a + b in works & Figures _____

Contractor

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION
JAMSHORO



Issue bid to M/S.MR. _____

D.R No. _____ / Dated: - _____

Tender Fee Rs:- _____

**Construction of RCC Nala from Dhamal Chowk
to Jahaz Chowk Sehwan Sharif Taluka Sehwan
District Jamshoro**

**STANDARD BIDDING DOCUMENTS
PROCUREMENT OF WORKS**

(For Contracts Costing upto Rs. 2.50 (M) to 50.0 (M))

**STANDARD BIDDING DOCUMENT IS INTENDED AS A MODEL FOR
ADMEASUREMENTS (PERCENTAGE RATE FOR UNIT RATES IN A BILL OF
QUANTITIES TYPES OF CONTRACT THE MAIN TEXT REFERS TO
ADMEASUREMENTS CONTRACTS.**

BIDDING DATA

(This section should be filled in by the Office of the Executive Engineer Public Health Engg: Division, Jamshoro before issuance of the bidding documents).

(a)	Name of Procuring Agency:-	The Executive Engineer Public Health Engineering Division Jamshoro
(b)	Brief Description of Works:-	Construction of RCC Nala from Dhamal Chowk to Jahaz Chowk Sehwan Sharif Taluka Sehwan District Jamshoro
(c)	Procuring Agency Address:-	Executive Engineer, Public Health Engg: Division Jamshoro Behind Zubaida Girls College @ Hyderabad.
(d)	Estimated Cost:-	Rs:25.441 Million
(e)	Amount of Bid Security:-	Rs: 1.272 Million
(f)	Period of Bid Validity (Days): -	(90 Days)
(g)	Security Deposit (i/c Bid Security): -	(10%)
(h)	Percentage, if any, to be deducted from bills: -	(7.50% & 10% Income Tax Deduction & 05% Security Deposit)
(i)	Deadline for submission of Bids along with time: -	20/11/2017 (04:00 P.M)
(j)	Time, and Date of Bid Opening: -	21/11/2017 (04:30 P.M)
(k)	2 nd Attempt Deadline for Sale / submission of Bids along with time: -	07/12/2017 (04:00 P.M)
(l)	2 nd Attempt Time, and Date of Bid Opening: -	07/12/2017 (04:30 P.M)
(m)	Time for completion from written order of Commence: -	18 Months
(n)	Liquidity Damages: -	(01% On Estimated Cost) Per day subject to Minimum of 10%
(o)	Deposit Receipt No. Date & Amount (in words and figure)	CD NO: _____ dated: _____ Amount Rs: _____ Bank _____ _____ Mr./ M/S. _____

/

(SHAFIQUE HUSSAIN MEMON)
EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
JAMSHORO

BILL OF QUANTITIES.

NAME OF WORK:- Construction of RCC Nala from Dhamal Chowk to Jahaz Chowk Taluka Sehwan Sharif (District Jamshoro).

(A) Description and rate of item based on Composite schedule of Rates

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
01	15600.0 Cft	Dismantling and removing Road medaling (G.S.I.No:51,P/13).	605/-	P%cft	94,380/-
02		Dismantling Cement Concrete plain. (G.S.I.No:19(a),P/11).			
	7800.0 Cft	Ratio (1:4:8)	1663/75	P%cft	1,29,773/-
	3900.0 Cft	Ratio (1:3:6)	1306/80	P%cft	50,965/-
	7800.0 Cft	Ratio (1:2:4)	3327/50	P%cft	2,59,545/-
03	300.0 Cft	Dismantling Cement Concrete reinforced separating reinforced.(G.S.I.No:20,P/10) from concrete cleaning and straightening the same.	5445/-	P%cft	16,335/-
04	187.50 Cft	Dismantling Brick work in lime or cement mortar. (G.S.I.NO:13,P/10)	1285/63	P%cft	2,411/-
05	62400.0 Cft	Excavation in foundation of building bridges and other structures including dabling dressing refilling around structures with excavated earth watering and ramming lead upto 5'ft(in sand soil) (G.S.I.NO;18,(b) P/4)	3176/25	P%0cft	1,98,198/-
06	7800.0 Cft	Cement Concrete brick or stone ballast 1 ½" to 2" guage Ratio (Ratio 1:4:8) (G.S.I.NO;4(b)P/15)	9416/28	P%cft	7,34,470/-
07	37588.35 cft	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 currying rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other (G.S.I.NO;6(a)(i)P/17)	337/-	P/Cft	1,26,67,274/-
08	1510.25 Cwt	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars (G.S.I.NO;7(ii)(a)P/17)	5001/70	P/Cwt	75,53,817/-
09		Providing PVC pipe of class 'B' (equivalent make)fixing in trenches i/c cutting and jointing with "Z" joints with one rubber rings i/c testing with water to head of 61 meter 200'ft.(P.H.S.I.NO;1,P/22).			
	104.0 Rft	6" dia	262/-	P/Rft	27,248/-

(Cont: on page NO:02)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
10	78.0 Cwt	Fabrication of heavy steel work with angle tees, flat iron, Round iron and sheet iron for making trusses, girders, Tands etc: including cutting, tanks etc: including cutting drilling riveting, handling assembling and fixing but excluding erection In position (G.S.I.No:2,P/91).	4928/49	P/Cwt	3,84,422/-
11	78.00 Cwt	Erection and fitting in position of iron trusses staging of water tanks etc. (G.S.I.No:3,P/91).	271/04	P%sft	21,141/-
12	88188.75 Cft	Disposed of surplus earth Cartage of surplus earth (Lead 2 Miles)	502/52	P%0cft	4,43,166/-
13	44200.00 Sft	Cement plaster (1:4) up to 20' height 1/2" thick. (GSI.No:11 (b)P/52).	2283/93	P%sft	10,09,497/-
				Total	2,35,92,642/-

Amount Total (a) + (b) Rs: _____

_____ % above / below on the rates of CSR, Amount to be added / deducted on the basis

Total (b) of premium quoted _____

Total (c) offered for Non-schedule items _____

Total (A) = a + b in works & Figures _____

Contractor

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION
JAMSHORO

Conditions of Contract

Name of Work: - _____

Name of Agency: - _____

Authority: - W.O No.TC/W.O/ dated: _____ **Tender Cost Rs:-** _____

Clause – 1: Commencement & Completion Dates of work. The contractor shall not enter upon or commence any portion or work except with the written authority and instructions of the Engineer-in-charge or of in subordinate-in-charge of the work. Failing such authority the contractor shall have no claim to ask for measurements of or payment for work.

The contractor shall proceed with the works with due expedition and without delay and complete the works in the time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall reckoned from the date on which the order to commence work is given to the contractor. And further to ensure good progress during the execution of the work, contractor shall be bound, in all in which the time allowed for completion of any work exceeds one month, to achieve progress on the prorated basis.

Clause – 2: Liquidated Damages. The contractor shall pay liquidated damages to the Agency at the rate per day stated in the bidding data for each day that the completion date is later than the Intended completion date; the amount of liquidated damage paid by the contractor to the Agency shall not exceed 10 per cent of the contract price. Agency may deduct liquidated damages from payments due to the contractor. Payment of liquidated damages does not affect the contractor's liabilities.

Clause – 3: Termination of the Contract.

- (A) Procuring Agency/Executive Engineer Public Health Engg: Division Jamshoro may terminate the contract if either of the following conditions exists:-
- (i) Contractor causes a breach of any clause of the Contract;
 - (ii) The progress of any particular portion of the work is unsatisfactory and notice of 10 days has expired;
 - (iii) In the case of abandonment of the work owing to the serious illness or death of the contractor or any other cause.
 - (iv) Contractor can also request for termination of contract if a payment certified by the Engineer is not paid to the contractor within 60 days of the date of the submission of the bill;
- (B) The Executive Engineer PHE Division Jamshoro has power to adopt any of the following courses as may deem fit:-
- (i) To forfeit the security deposit available except conditions mentioned at A (iii) and (iv) above;
 - (ii) To finalize the work by measuring the work done by the contractor.

(C) In the event of any of the above courses being adopted by the Executive Engineer PHE Division Jamshoro, the contractor shall have:-

- (i) no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials, or entered into any engagements, or made any advances on account of, or with a view to the execution of the work or the performance of the contract,
- (ii) However, the contractor can claim for the work done at site duly certified by the executive engineer in writing regarding the performance of such work and has not been paid.

Procuring Agency/Engineer may invite fresh bids for remaining work.

Clause 4: Possession of the site and claims for compensation for delay. The Engineer shall give possession of all parts of the site to the contractor. If possession of site is not given by the date stated in the contract data, no compensation shall be allowed for any delay caused in starting of the work on account of any acquisition of land, water standing in borrow pits/ compartments or in according sanction to estimates. In such case, either date of commencement will be changed or period of completion is to be extended accordingly.

Clause -5: Extension of Intended Completion Date. The Procuring Agency either at its own initiatives before the date of completion or on desire of the contractor may extend the intended completion date, if an event (which hinders the execution of contract) occurs or a variation order is issued which makes it impossible to complete the work by the intended completion date for such period as he may think necessary or proper. The decision of the Executive Engineer in this matter shall be final; where time has been extended under this or any other clause of this agreement, the date for completion of the work shall be the date fixed by the order giving the extension or by the aggregate of all such orders, made under this agreement.

When time has been extended as aforesaid, it shall continue to be the essence of the contract and all clauses of the contract shall continue to be operative during the extended period.

Clause -6: Specifications. The contractor shall execute the whole and every part of the work in the most substantial and work-man-like manner and both as regards materials and all other matters in strict accordance with the specifications lodged in the office of the Executive Engineer and initialed by the parties, the said specification being a part of the contract. The contractor shall also confirm exactly, fully and faithfully to the designs, drawing, and instructions in writing relating to the work signed by the Engineer-in-charge and lodge in his office and to which the contractor shall be entitled to have access at such office or on the site of work for the purpose of inspection during office hours and the contractor shall, if he so requires, be entitled at his own expense to make or cause to be made copies of the specifications, and of all such designs, drawings, and instructions as aforesaid.

Clause – 7: Payments.

- (A) **Interim/Running Bill.** A bill shall be submitted by the contractor as frequently as the progress of the work may justify for all work executed and not included in any previous bill at least once in a month and the Executive Engineer Public Health Engg: Division Jamshoro shall take or cause to be taken the requisite measurements for the purpose of having the same verified and the claim, as far as admissible, adjusted, if possible before the expiry of ten days from the presentation of the bill, at any time depute a subordinate to measure up the said work in the presence of the contractor or his authorized agent, whose countersignature to the measurement list will be sufficient to warrant and the Engineer-in-charge may prepare a bill from such list which shall be binding on the contractor in all respects.

The Executive Engineer PHE Division Jamshoro shall pass/certify the amount to be paid to the contractor, which he considers due and payable in respect thereof, subject to deduction of security deposit, advance payment if any made to him and taxes.

All such intermediate payment shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the Executive Engineer-in-charge from recoveries from final bill and rectification of defects and unsatisfactory items of works pointed out to him during defect liability period.

- (B) **The Final Bill.** A bill shall be submitted by the contractor within one month of the date fixed for the completion of the work otherwise Executive Engineer In-charge's certificate of the measurements and of the total amount payable for the works shall be final and binding on all parties.

Clause – 8: Reduced Rates. In cases where the items of work are not accepted as so completed, the Executive Engineer-in-charge may make payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on running account bills with reasons recorded in writing.

Clause – 9: Issuance of Variation and Repeat Orders.

- (A) Agency may issue a Variation Order for procurement of works, physical services from the original contractor to cover any increase or decrease in quantities, including the introduction of new work items that are either due to change of plans, design or alignment to suit actual field conditions, within the general scope and physical boundaries of the contract.
- (B) Contractor shall not perform a variation until the Procuring Agency has authorized the variation in writing subject to the limit not exceeding the contract cost by of 15% on the same conditions in all respects on which he agreed to do them in the work, and at the same rates, as are specified in the tender for the main work.

The contractor has no right to claim for compensation by reason of alterations or curtailment of the work.

- (C) In case the nature of the work in the variation does not correspond with items in the Bill of Quantities, the quotation by the contractor is to be in the form of new rates for the relevant items of work, and if the Executive Engineer-in-charge is satisfied that the rate quoted is within the rate worked out by him on detailed rate analysis, and then only he shall allow him that rate after approval from higher authority.
- (D) The time for the completion of the work shall be extended in the proportion that the additional work bear to the original contract work.
- (E) In case of quantities of work executed result the Initial Contract Price to be exceeded by more than 15%, and then Executive Engineer can adjust the rates for those quantities causing excess the cost of contract beyond 15% after approval of Superintending Engineer.
- (F) **Repeat Order:** Any cumulative variation, beyond the 15% of initial contract amount, shall be subject of another contract to be tendered out if the works are separable from the original contract.

Clause -10: Quality Control.

- (A) **Identifying Defects:** If at any time before the security deposit is refunded to the contractor/during defect liability period mentioned in bid data, the Executive Engineer-in-charge or his subordinate-in-charge of the work may instruct the contractor to uncover and test any part of the works which he considers may have a defect due to use of unsound materials or unskillful workmanship and the contractor has to carry out a test at his own cost irrespective of work already approved or paid.
- (B) **Correction of Defects:** The contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or in part, as the case may require. The contractor shall correct the notified defect within the Defects Correction Period mentioned in notice.
- (C) **Uncorrected Defects:**
 - (i) In the case of any such failure, the Executive Engineer-in-charge shall give the contractor at least 14 days notice of his intention to use a third party to correct a defect. He may rectify or remove, and re-execute the work or remove and replace the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.

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- ~~(ii) If the Executive Engineer considers that rectification/correction of a defect is not essential and it may be accepted or made use of; it shall be~~

within his discretion to accept the same at such reduced rates as he may fix therefore.

Clause – 11:

- (A) **Inspection of Operations.** The Executive Engineer and his subordinates, shall at all reasonable times have access to the site for supervision and inspection of works under or in course of execution in pursuance of the contract and the contractor shall afford every facility for and every assistance in obtaining the right to such access.
- (B) **Dates for Inspection and Testing.** The Executive Engineer shall give the contractor reasonable notice of the intention of the Executive Engineer-in-charge or his subordinate to visit the work shall have been given to the contractor, then he either himself be present to receive orders and instructions, or have a responsible agent duly accredited in writing present for that purpose, orders given to the contractor's duly authorized agent shall be considered to have the same force and effect as if they had been given to the contractor himself.

Clause – 12: Examination of work before covering up.

- (A) No part of the works shall be covered up or put out of view/beyond the reach without giving notice of not less than five days to the Executive Engineer whenever any such part of the works or foundations is or are ready or about to be ready for examination and the Executive Engineer shall, without delay, unless he considers it unnecessary and advises the contractor accordingly, attend for the purpose of examining and measuring such part of the works or of examining such foundations;
- (B) If any work is covered up or placed beyond the reach of measurement without such notice having been given, the same shall be uncovered at the contractor's expense, and in default thereof no payment or allowance shall be made for such work, or for the materials with which the same was executed.

Clause – 13: Risks. The contractor shall be responsible for all risks of loss of or damage to physical property or facilities or related services at the premises and of personal injury and death which arise during and in consequence of its performance of the contract. If any damage is caused while the work is in progress or become apparent within three months of the grant of the certificate of completion, final or otherwise, the contractor shall make good the same at his own expense, or in default the Engineer may cause the same to be made good by other workmen, and deduct the expenses from retention money lying with the Executive Engineer.

Clause-14: Measures for prevention of fire and safety measures. The contractor shall not set fire to any standing jungle, trees, bush-wood or grass without a written

permit from the Executive Engineer. When such permit is given, and also in all cases when destroying, cutting or uprooting trees, bush-wood, grass, etc by fire, the contractor shall take necessary measures to prevent such fire spreading to or otherwise damaging surrounding property. The contractor is responsible for the safety of all its activities including protection of the environment on and off the site. Compensation of all damage done intentionally or unintentionally on or off the site by the contractor's labour shall be paid by him.

Clause-15:Sub-contracting. The contractor shall not subcontract the whole of the works, except where otherwise provided by the contract. The contractor shall not subcontract any part of the works without the prior consent of the Executive Engineer. Any such consent shall not relieve the contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of any subcontractor, his agents, servants or workmen as if these acts, defaults or neglects were those of the contractor, his agents' servants or workmen. The provisions of this contract shall apply to such subcontractor or his employees as if he or it were employees of the contractor.

Clause – 16: Disputes. All disputes arising in connection with the present contract, and which cannot be amicably settled between the parties, , the decision of the Superintending Engineer of the circle/officer/one grade higher to awarding authority shall be final, conclusive and binding on all parties to the contract upon all questions relating to the meaning of the specifications, designs drawings, and instructions, hereinbefore mentioned and as to the quality of workmanship, or materials used on the work or as to any other questions, claim, right, matter, or thing whatsoever in any way arising out of, or relating to the contract design, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution, of failure to execute the same, whether arising, during the progress of the work, or after the completion or abandonment thereof.

Clause –17: Site Clearance. On completion of the work, the contractor shall be furnished with a certificate by the Executive Engineer (hereinafter called the Executive Engineer in- charge) of such completion, but neither such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed all temporary structures and materials brought at site either for use or for operation facilities including cleaning debris and dirt at the site. If the contractor fails to comply with the requirements of this clause then Engineer-in-charge, may at the expense of the contractor remove and dispose of the same as he thinks fit and shall deduct the amount of all expenses so incurred from the contractor's retention money. The contractor shall have no claim in respect of any surplus materials as aforesaid except for any sum actually realized by the sale thereof.

Clause –18: Financial Assistance

/Advance Payment. (A) Mobilization

advance is not allowed.

(B) Secured Advance against materials brought at site.

- (i) Secured Advance may be permitted only against imperishable materials/quantities anticipated to be consumed / utilized on the work within a period of three months from the date of issue of secured advance and definitely not for full quantities of materials for the entire work/contract. The sum payable for such materials on site shall not exceed 75% of the market price of materials;
- (ii) Recovery of Secured Advance paid to the contractor under the above provisions shall be affected from the monthly payments on actual consumption basis, but not later than period more than three months (even if unutilized).

Clause –19: Recovery as arrears of Land Revenue. Any sum due to the Government by the contractor shall be liable for recovery as arrears of Land Revenue.

Clause –20: Refund of Security Deposit/Retention Money. On completion of the whole of the works (a work should be considered as complete for the purpose of refund of security deposit to a contractor from the last date on which its final measurements are checked by a competent authority, if such check is necessary otherwise from the last date of recording the final measurements), the defects notice period has also passed and the Engineer has certified that all defects notified to the contractor before the end of this period have been corrected, the Security Deposit lodged by a contractor (in cash or recovered in installments from his bills) shall be refunded to him after the expiry of three months from the date on which the work is completed.

(Contractor)

DIVISIONAL ACCOUNTS OFFICER
PUBLIC HEALTH ENGG: DIVISION
JAMSHORO

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
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