



Issue bid to M/S.MR. _____

DR. No. _____ / Dated: - _____

Tender Fee Rs:- _____

**CONSTRUCTION OF WATER SUPPLY SCHEME AT VILLAGE BADAL
KHAN MUREDANI, TALUKA MANJHAND 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 Water Supply Scheme at Village Badal Khan Muredani, Taluka Manjhand District Jamshoro
(c)	Procuring Agency Address:-	The Executive Engineer Public Health Engg: Division District Jamshoro Behind Zubaida Girls College @ Hyderabad.
(d)	Estimated Cost:-	Rs: 3.150 Million
(e)	Amount of Bid Security:-	Rs: 0.063 Million
(f)	Period of Bid Validity (Days):-	(30 Days)
(g)	Security Deposit (i/c Bid Security):-	(08 %)
(h)	Percentage, if any, to be deducted from bills:-	(7.50% Income Tax Deduction & 02% Security Deposit)
(i)	Deadline for submission of Bids along with time:-	15/05/2015 (01:00 P.M)
(j)	Venue, Time, and Date of Bid Opening:-	15/05/2015 (02:00 P.M)
(k)	Time for completion from written order of Commence:-	12 Months
(l)	Liquidity Damages:-	(01% On Estimated Cost) Per day subject to Minimum of 10%
(m)	Deposit Receipt No. Date & Amount (in words and figure)	CD NO: _____ dated: _____ Amount Rs: _____ Bank _____ _____ Mr./ M/S. _____


**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG DIVISION
JAMSHORO**

BILL OF QUANTITIES

NAME OF WORK:- Water Supply Scheme @ Badal Khan Mureedani Taluka Manjhanc
(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" CONSTT: OF SHELOW WELL.			
01		Excavation of well in dry up to 20' below ground level and disposal of soil with in one chain (C) in hard strata such shingle gravel etc (G.S.I.No.1 ,P-85).			
	597.0 cft	0' to 5' depth	5904/80	P%0cft	3.25/-
	454.0 Cft	5.1' to 10 depth	6116/55	P%0cft	2.777/-
	454.0 Cft	10.1' to 15' depth	6376/70	P%0cft	2.895/-
	454.0 Cft	15.1' to 20' depth	6845/58	P%0cft	3.108/-
02	57.0 Cft	Making R.C.C Well Curb (G.S.I.No.7 Page No.88)	704/25	P/Cft	40.142/-
03		Dry sinking of well including loading and removing excavated material (C) in hard strata such shingle gravel etc (G.S.I.No.2(c) ,P-86).			
	454.0 Cft	20.1' to 25 depth	28737/50	P%0cft	13.046/-
	454.0 Cft	25.1' to 30' depth	31762/50	P%0cft	14.420/-
04		Wet sinking of well for depth below spring level by means of divers ncluding all charges for shoring load and removing excavated material with in (c) In hard strata such as shingle or gravel (G.S.I.No.3 c, P-87)			
	454.0 Cft	35.1' to 40' depth	412500/-	P%0cft	187.275/-
05	363.0 Cft	Cement concrete brick or stone ballast 1½" to 2" gauge Ratio 1:4:8) (G.S.I.NO;4(b)P/14)	9416/28	P%cft	34.181/-
06	181.0 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	26.117/-
07	912.0 Cft	Pacca brick work in foundation and plinth in cement sand mortor (1:6) (G.S.I.NO:4(e) P24)	11948/36	P%cft	108.969/-
08	912.0 Cft	Extra for Pacca brick work staring of wel of any other circular massanery (GSI.No10,Page 22)	1131/63	P%0cft	10.320/-
09	18.10 sft	Errection 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)	3127/25	P%sft	566/-

(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	2.06 Cwt	Supplying & fixing Girder good quality (Schedule of Rates M. General I.140 P-6)	3850/-	P/cwt	7,931/-
11	4.16 Cwt	Erecting of rolled steel beam or rails erection for posts etc (other than in roof).(G.S.I.No.7,p-90)	92/57	P/Cwt	385/-
12	2.10 Cwt	Small iron work such as gusset plate knees bends, stirrups,ings etc i/c cutting drilling reverting handling assembling and fixing but excluding erection in position (G.S.I.No.1 p-90)	6420/61	P/Cwt	13,483/-
13	1007.0 Sft	Cement plaster (1:4) 1/2" thick up to 12' height (G.S.I.NO; 11, P/51)	2206/16	P% ^{sft}	22,224/-
14	1007.0 Sft	Cement plaster (1:4) 3/8" thick up to 12' height (G.S.I.NO; 11, P/51)	2197/52	P% ^{sft}	22,132/-
				Total	513,465/-
GROUP 'B' CONSTT: OF L.S.R					
01	600.00 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)(GSINO:18, P/4)	3172/25	P%0cft	1,906/-
02	100.00 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% ^{cft}	9,416/-
03	415.0 Sft	Erection and removal of centering for RCC plain cement concrete works of partial wood (2 nd class) (G.S.I.No. P/ No.)	7000/-	P% ^{sft}	29,050/-
04	500.0 Cft	Cement concrete plain i/c placing compacting finishing and curring complete (i/c screening and washing of stone aggregate without shuttering Ratio 1:3:6 (G.S.I.NO:5, P/18)	12595/-	P% ^{cft}	62,975/-
05	900.0 Cft	Filling watering and ramming earth under floor with new earth (Excavated from out side)Lead upto one chain and lift upto 5'ft (G.S.I.NO:22, P/44)	1512/50	P%0cft	1,361/-
06	595.0 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.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in suite or precuts laid in position complete in all respect (i) Ratio 1:2:4) 90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" gauge. (G.S.I.NO:6(a) (i)P/19)	337/-	P/Cft	200,515/-

(Cont: on page No:03)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
07	23.90 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	119,541/-
08	1438.0 Sft	Cement plaster (1:4) ½" thick upto 12' height (G.S.I.NO;11, P/58)	3015/76	P/sft	43,367/-
09	100.0 Kg:	Providing and fixing C.I. Main hole cover with frame i/c cost of material (P.H.S.I.NO:1, P/23)	140/-	P/Kg:	14,000/-
10	2 Nos:	Providing and fixing C.I. ventilator weight not less then 90lbs once in roof of tank approved Design rain with water right joints including painting etc complete (PHSI.No.4 P-36)	4870/-	Each	9,740/-
11		Providing G.I. Pipe of heavy quality (S.S.O.M.I.NO:g, P/125)			
	44.0 Rft	3" dia	304/02	P/Rft	13,377/-
	24.0 Rft	¾" dia	62/38	P/Rft	1,497/-
12		C.I Sluice valve heavy pattern (test pressure 21.0 Kg: /sq: cm or 300 lbs / sq: imported (P.H.S.I.NO; P/)			
	4 Nos:	3" dia	4290/-	Each	17,160/-
13		Supplying fixing ¾" dia brasib bib cosk slaid piston (S.S.I.NO;3(ii)P/127)			
	24 Nos:	¾" dia	300/-	Each	7,200/-
14	190.90 Kg:	Supply of dampo (S.O.M.I.NO;39, P/3)	125/-	P/Kg:	23,863/-
15		Making joints specials fitting (i/c laying of specials and cost of solvent cement of required diameter and testing the joints alongwith PVC Pipe line 'B', 'C' and 'D' class of the specified pressure and making Good to all leaky joints etc; complete(PHSI.NO:1, P/35)			
	32 Joints	3" dia	59/-	P/Joint	1,888/-
				Total	558,856/-
		GROUP 'C' P/L/J TESTING RISING MAIN 3" DIA			
01		Providing, laying & Fixing in trench i/c fitting, jointing & testing etc complete in all respect the high density polythylene PE pipes (HDPE-100) FOR W/S confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051,(PN-8) also includes transportation charges from factory to site of work at Village Badal Khan muredani taluka manjhand district Jamshoro (PHSI.No:F-1(h)-P-25)			
	5300.0Rft	3" dia (90 mm)	148/-	P/Rft	784,400/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
02	31800.0 Cft	Excavation for pipe lines in trenches and pits in all kind of soils of murum i/c trimming and dressing sides to true alignment and shape leveling of beds of treches to correct level grade, cutting joint holes and dispoal 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;5, P/62)	4650/-	P%0cft	147 870/-
03	25 Joints	But fusion joint of P.E. Pipe (PHSI.H,P-20) 3" dia	600/-	P/Joint	15 000/-
04	1 No;	C.I. Sluice valve heavy patter (Test pressure 21.0 Kg:/Sq; cm or 300 lbs/sq(Imported) (P.H.S.M.I.No. P-) 3" dia	4290/-	Each	4,290/-
05	10 Nos:	C.I. Short piece (PHSMI.No.9,P-16) 3" dia	375/-	Each	3,750/-
06	10 Nos:	P.E. Specials 'B' Class test pressure 122 meter or 400'ft (S.O.P.H.(M) NO:B, P/47) Equal tee (3"x3"x3") (O.D 90mm)	1341/-	Each	13,410/-
	10 Nos:	Elbow 90° (3" dia O.D 90mm)	1118/-	Each	11,180/-
	05 Nos:	Elbow 45° (3" dia O.D 90mm)	894/-	Each	4,470/-
07	3 Nos:	Air valve double acting 3"x1" (imported) (S.M.I.NO;8, P/18)	4000/-	Each	12,000/-
08	3 Nos:	Fire Hydrent tee 10" dia (Sch: M.I.NO;3, (b) P/102) 3" dia	968/75	Each	2,906/-
09	5 Nos:	Stab end 3" dia (O.D 90mm) PHSINO:G,P-20)	1616/-	Each	8,080/-
10		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)			
	5 Joints	3" dia	499/-	P/Joint	2 496/-
11		Making joints specials fitting (i/c laying of specials and cost of solvent cement of required diameter and testing the joints along PVC Pipe line 'B', 'C' and 'D' class of the specified pressure and making Good to all leaky joints etc; complete(PHSI.NO;1, P/35)			
	28 Joints	3" dia	59/-	P/joint	1,652/-

(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
12	4 Nos:	Providing chamber 3½"x2½" (1064x763½ mm) inside dimension 7' (2.13 meter) deep as per approved design for sluice valve 15" to 24" dia with 24" (610 mm)dis inside cast iron cover and frame (wt= 2 cwt 3 r) fixed in RCC 1:2:4 Slab 6" thick (with 5 lbs steel per cft)9" (299 mm) thick burnt brick masonry wall set in 1:6 cement mortar 6" thick cement concrete 1:3:6 in foundation 1" thick cement concrete 1:3:6 to all inside wall surface and to top i/c providing inside wall surface and to top i/c providing and fixing M.S foot rest at every one foot beyond 2½ ft depth curring excavation back filling and disposal of surplus earth etc:complete (P.H.S.I.NO;3, P/41)	18820/-	Each	75.280/-
13	28620.0 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)	2760/-	P%0cft	78.991/-
				Total	11,65,774/-
		GROUP 'D' P/I 5.50 BHP			
01	1 Set	Supplying and installing i/c transportation to site of work at village Badal Khan Muredani, taluka manjhand, electric pumping set of 1500 RPM (Siemens made) type ILA 112 4AA60) 5.50 BHP electric motor 3 Phase 50 cycles 100/33 volts coupled with KSB pump ETA Norm type 80-250 size 2 ½" x 3" mounted on common steel frame or base plate (KSB made) capable of discharging 170 gallons per minute against a head of 60'ft i/c installation of pumping set on C.C. foundation Ratio 1:2:4 with M.S. nuts and bolts of ¾" dia to be embedded in C.C.foundation i/c providing and fixing MCU star delta starter buried the ground at depth of 3/7 m as per pak PWD specification and testing pumping set against the required head for 72 hours etc complete. (Sanctioned) estimate W/S/S Khawand Bux Khoso	396240/-	P/Set	396.240/-
02	30.0 Rft	Providing Laying jointing and testing G.I. Pipe, specials, and clamps etc, including fixing cutting & fitting complete with and i/c the cost of breaking through wall and roof, making good etc, painting two coats after cleaning the pipe etc, with white zinc paint with pigment to match the colours of the building and testing with water to a pressure head of 200'ft and handling. (W.S.S.I.No:1 (vii), P-12)	310/47	P/Rft	9.314/-

(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
03		G.I.fittings (CHINA) (W.S.S.M I.No:2 (vii),P-12)			
	2 Nos:	G.I. Socket 2 ½" dia	200/-	Each	400/-
	1 No:	G.I. Union 2 ½" dia	250/-	Each	250/-
	2 Nos:	G.I. Nipples 2 ½" dia	150/-	Each	300/-
04	0.26 Cwt	C.I.bend with flanged ends with holes i/c turning and facing of flanged for all size. (P.H.S.M.I.No:8,P-12)	6096/-	Each	4 584/-
05		Reflex valve heavy pattern(test pressure 21.0 kg: sq: cm or 300 lbs/sq: inch (Imported) (P.H.S.I.M.NO:6, P/10)			
	1 No:	3" dia	1543/75	Each	1,544/-
06		C.I. Sluice valve heavy pattern test pressure 300 lbs / sft (P.H.S.I.NO:M 2, P/9)			
	1 No:	3" dia	4290/-	Each	4,290/-
07		Foot valve heavy pattern with cone type gate (PHSM -6,P-10)			
	1 No:	3" dia	500/-	Each	500/-
08	1600.0 Rft	Providing & laying (main) sab main pvc & pvc sheeted with two core copper Conduction 300/500 volts size 10 mm	84/33	Each	134 928/-
09		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)			
	7 Joints	3" dia	513/-	P/joint	3,591/-
				Total	559,904/-

ABSTRACT

Group	Schedule items	Non Sch: items	Total
'A' Constt: of Shellow well	Rs:513,465/-	-----	Rs:513 465/-
'B' Constt: of L.S.R	Rs:558,856/-	-----	Rs:558,865/-
'C' P/L/J Testing R/Main	Rs:11,65,774/-	-----	Rs:11,65,774/-
'D' P/I Pumping Machinery	Rs: 163,664/-	Rs:396,240/-	Rs:559,904/-
Total;	Rs:24,01,759/-	Rs:396,240/-	Rs:27,97,999/-

(Cont: on page No:07)

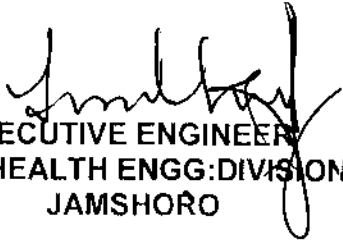
Amount Total (a) + (b) Rs: _____

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

Total (b) of premium quoted _____ (except non schedule item)

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

Contractor


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
JAMSHORO

Conditions of Contract

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 prorate 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.

- (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 an 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).

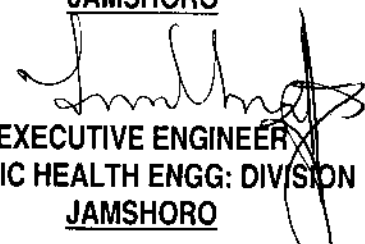
Clause -19: Recovery as arrears of Land Revenue. Any sum due to the Government by the contractor shall be liable for recovery as arrears of Land Revenue.

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
JAMSHORO



Issue bid to M/S.MR. _____

DR. No. _____ / Dated: - _____

Tender Fee Rs:- _____

**PROVIDING LAYING JOINTING AND TESTING G.I PIPE 3" DIA FOR
WATER SUPPLY SCHEME AT VILLAGE WADA CHACHHAR TALUKA
MANJHAND 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:-	Providing Laying Jointing and Testing G.I Pipe 3" dia for Water Supply Scheme at Village Wada Chachhar Taluka Manjhand District Jamshoro
(c)	Procuring Agency Address:-	The Executive Engineer Public Health Engg: Division District Jamshoro Behind Zubaida Girls College @ Hyderabad.
(d)	Estimated Cost:-	Rs: 2.130 Million
(e)	Amount of Bid Security:-	Rs: 0.043 Million
(f)	Period of Bid Validity (Days):-	(30 Days)
(g)	Security Deposit (i/c Bid Security):-	(08 %)
(h)	Percentage, if any, to be deducted from bills:-	(7.50% Income Tax Deduction & 02% Security Deposit)
(i)	Deadline for submission of Bids along with time:-	15/05/2015 (01:00 P.M)
(j)	Venue, Time, and Date of Bid Opening:-	15/05/2015 (02:00 P.M)
(k)	Time for completion from written order of Commence:-	12 Months
(l)	Liquidity Damages:-	(01% On Estimated Cost) Per day subject to Minimum of 10%
(m)	Deposit Receipt No. Date & Amount (in words and figure)	CD NO: _____ dated: _____ Amount Rs: _____ Bank _____ _____ Mr./ M/S. _____


**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION
JAMSHORO**

BILL OF QUANTITIES

NAME OF WORK:- Providing Laying Jointing & Testing G.I. Pipe 3" dia for Water
Supplying Scheme @ village Wada Chachhar (Taluka Manjhand)
(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		Supplying G.I. Pipe of approved quality to tested with pressure Head 200 ft (Medium) (S.S.O.M.I.NO;1/h, I (iii) P/125)			
	370 Nos:	3" dia	304/02	P/Rft	11,24,874/-
02		Painting 2 coats of bitumen iron paint and basin cloth soaked in maxphaltic composition to pipes for external works. (W.S.& S I.No.2 ,Page No.15)			
	3700.0 Rft	3" dia	13/-	P/Rft	48 100/-
03	1850.0 Cft	Dismantling of Cement concrete (1:2:4)(G.S.I.No;19 , P/10)	3327/50	P%Cft	61,559/-
04	27380.0 Cft	Dismantling of Cement concrete (1:4:8)(G.S.I.NO;19 , P/10)	1663/15	P%cft	45 537/-
05	300.0 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 correct level and grade cutting joint holes and disposal Of surplus earth within a one chain as directed by Engineer in charge 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; 4, P/61)	3600/-	P%0cft	1,080/-
06	37 Nos:	Manufacturing supplying M.S flanges of 3" 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. (R.A.A Based on Sch: rates)	500/89	Each	185,329/-
07		Laying C.I/M.S pipe (S&S) and specials and fixing in Trenches i/c cutting fitting and testing with water to specified Pressure (P.H.S.I.NO;B, P/78)			
	3700.0 Rft	3" dia	5/82	P/Rft	21 534/-

(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
08	133.60 Kg:	Supplying C.I. bend with flanged ends with holes i/c turning and facing of flanged (S.O.M.I.NO;8, P/11)	120/-	P/Kg:	16,032/-
09	650.0 Kg:	C.I. TEE Flange ends with holes i/c curing and facing of Flanged for all size (sch of (M) 11/P/11)	120/-	P/Kg:	78,000/-
10		C.I.Sluice valve heavy pattern (Test pressure 21.0kg/sq:cm or 300lb/sq:inch)(Imported). (P.H.S.I.(M) NO:2, P/9)			
	5 Nos:	3" dia	4290/-	Each	21,450/-
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)			
	335 Joints	3" dia	499/-	Each	167,165/-
12		Making joints specials fitting (i/c laying of specials and cost of solvent cement of required diameter and testing the joints alongwith PVC Pipe line 'B', 'C' and 'D' class of the specified pressure and making Good to all leaky joints etc; complete(PHSI.NO;1, P/35)			
	10 Nos:	3" dia	96/-	Each	960/-
13	270.0 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)	2760/-	P%0cft	745/-
				Total	17,72,365/-

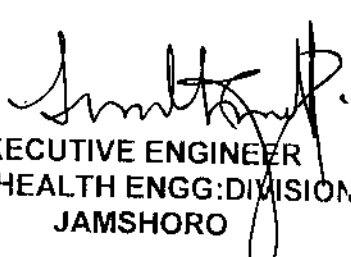
Amount Total (a) + (b) Rs: _____

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

Total (b) of premium quoted _____ (except non schedule item)

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

Contractor


EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION
JAMSHORO



**GOVERNMENT OF SINDH
PUBLIC HEALTH ENGINEERING
DEPARTMENT**

Karachi dated the 6th 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	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
		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

12	Umerkot	Executive Engineer, PHE, Division Umerkot	Chairman
		Executive Engineer, Education & Works Division Umerkot	Member
		Assistant Engineer, PHE, Sub-Division Kunri	Member
13	Sukkur	Executive Engineer, PHE, Division Sukkur	Chairman
		Executive Engineer, Highway Division Sukkur	Member
		Assistant Engineer PHE, Sub-Division No. II Sukkur	Member
14	Ghotki @ Mirpur Mathelo	Executive Engineer, PHE, Division Ghotki @ Mirpur Mathelo	Chairman
		Executive Engineer, Education Works District Ghotki	Member
		Assistant Engineer, PHE, Sub-Division No. III Ghotki	Member
15	Khairpur-I	Executive Engineer, PHE, Division No. 1 Khairpur	Chairman
		Executive Engineer, Provincial Highway N'Feroze at Khairpur	Member
		Assistant Engineer, PHE, Sub-Division No. III Khairpur	Member
16	Khairpur-II @ Ranipur	Executive Engineer, PHE, Division No. II Khairpur @ Ranipur	Chairman
		Executive Engineer, Irrigation East Division Khairpur	Member
		Assistant Engineer, PHE, Sub-Division Gambat	Member
17	Naushahro Feroze	Executive Engineer, PHE, Division Naushahro Feroze	Chairman
		Assistant Engineer, Highway Sub-Division Mehrabpur	Member
		Assistant Engineer, PHE, Sub-Division Naushahro Feroze	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. I Kamber	Member
23	Shikarpur	Executive Engineer, PHE, Division Shikarpur	Chairman
		Executive Engineer, Machinery & Maintenance Division Khairpur @ Shikarpur	Member
		Assistant Engineer, PHE, Sub-Division Lakh	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:

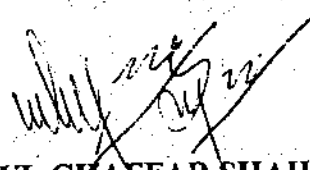
1. Preparing bidding documents
2. Carrying out technical as well as financial evaluation of the bids
3. Preparing evaluation report as provided in Rule 45
4. Making recommendations for the award of contract to the competent authority; and
5. Perform any other function ancillary and incidental to the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


(ABDUL GHAFFAR SHAIKH)
Section Officer (Technical)