

SPPRA BIDDING DOCUMENT

STANDARD BIDDING DOCUMENTS

PROCUREMENT OF WORKS

(For Contract Costing Upto Rs.4.00 Million)

Name of Work :- **1 Construction of Mother & Child Centre and Maternity Home (05-Bedded) at City & District Mirpurkhas. (1st: Phase) (Providing Int: W/S S/F & Ext: W/S Drainage & Int: C.C Path)**

Issued to Mr. / M/s. _____

DR. No. _____ *Dated:* _____

Tender Fee Amount. _____ *Rs.* _____

Standard Bidding Document is intended as a model for admeasurements (Percentage Rate / Unit Price for unit rates in a Bill of Quantities) type of contract. The main text refers to admeasurements contract.

Instructions to Bidders/ Procuring Agencies.

General Rules and Directions for the Guidance of Contractors.

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are included as Conditions of Contract and *Contract Data*.

The *Instructions to Bidders* will not be part of the Contract and will cease to have effect once the contract is signed.

1. All work proposed to be executed by contract shall be notified in a form of Notice Inviting Tender (NIT)/Invitation for Bid (IFB) hoisted on website of Authority and Procuring Agency and also in printed media where ever required as per rules.

NIT must state the description of the work, dates, time and place of issuing, submission, opening of bids, completion time, cost of bidding document and bid security either in lump sum or percentage of Estimated Cost/Bid Cost. The interested bidder must have valid NTN also.

2. Content of Bidding Documents must include but not limited to: Conditions of contract, Contract Data, specifications or its reference, Bill of Quantities containing description of items with scheduled/item rates with premium to be filled in form of percentage above/ below or on item rates to be quoted, Form of Agreement and drawings.

3. **Fixed Price Contracts:** The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.

4. The Procuring Agency shall have right of rejecting all or any of the tenders as per provisions of SPP Rules 2010.

5. **Conditional Offer:** Any person who submits a tender shall fill up the usual printed form stating at what percentage above or below on the rates specified in Bill of Quantities for items of work to be carried out: he is willing to undertake the work and also quote the rates for those items which are based on market rates. Only one rate of such percentage, on all the Scheduled Rates shall be framed. Tenders, which propose any alternative in the works specified in the said form of invitation to tender or in the time

allowed for carrying out the work, or which contain any other conditions, will be liable to rejection. No printed form of tender shall include a tender for more than one work, but if contractor wish to tender for two or more works, they shall submit a separate tender for each.

The envelope containing the tender documents shall refer the name and number of the work.

6. All works shall be measured by standard instruments according to the rules.
7. Bidders shall provide evidence of their eligibility as and when requested by the Procuring Agency.
8. Any bid received by the Agency after the deadline for submission of bids shall be rejected and returned unopened to the bidder.
9. Prior to the detailed evaluation of bids, the Procuring Agency will determine whether the bidder fulfills all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), turnover statement, experience statement, and any other condition mentioned in the NIT and bidding document. If the bidder does not fulfill any of these conditions, it shall not be evaluated further.
10. Bid without bid security of required amount and prescribed form shall be rejected.
11. Bids determined to be substantially responsive shall be checked for any arithmetic errors. Arithmetical errors shall be rectified on the following basis;
 - (A) **In case of schedule rates**, the amount of percentage quoted above or below will be checked and added or subtracted from amount of bill of quantities to arrive the final bid cost.
 - (B) **In case of item rates**, If there is a discrepancy between the unit rate and the total cost that is obtained by multiplying the unit rate and quantity, the unit rate shall prevail and the total cost will be corrected unless in the opinion of the Agency there is an obvious misplacement of the decimal point in the unit rate, in which case the total cost as quoted will govern and the unit rate corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the sum of the total costs shall prevail and the total bid amount shall be corrected.
 - (C) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

Draft Bidding Document for Works up to 4.00 M

Tell # 0233-9290047
Sr. No.01

NIT No.TC/G-55/ 120

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents)

- (a). Name of Procuring Agency :- Executive Engineer, Buildings Division Mirpurkhas.
- (b). Brief Description of Works :- 1 Construction of Mother & Child Centre and Maternity Home (05-Bedded) at City & District Mirpurkhas. (1st: Phase) (Providing Int: W/S S/F & Ext: W/S Drainage & Int: C.C Path)
- (c). Procuring Agency's Address :- Near APWA Girls High School M.A. Jinnah Road Mirpurkhas.
- (d). Estimated Cost :- Rs. 0.8700 (M)
- (e). Amount of Bid Security :- Rs. 0.0435 (M) (Fill in lump sum amount or in %age of Bid Amount / Estimated Cost, but not exceeding 5%)
- (f). Period of Bid Validity (Days) :- 90-Days. (Not more than Ninety days).
- (g). Security Deposit :- (including Bid Security) Rs. 0.0783 (M) (in %age of Bid Amount / Estimate Cost equal to 10%)
- (h). Percentage, if any, to be Deducted from Bills. --
- (i). Deadline for Submission of Bids alongwith time :- 08-03-2018 (01:00 PM)
(1st: Attempt)
- (j). Venue, Time and Date of Bid Opening :- 09-03-2018 (01:00 PM)
(1st: Attempt)
- (k). Time for Completion form written order of commence :- 24-Months
- (l). Liquidity Damages :- -- (0.05 of Estimated Cost or Bid Cost per day of delay, but total not exceeding 10%)
- (m). Deposit Receipt No. _____ Date _____ Amount Rs. _____

(Executive Engineer / Authority issuing bidding documents).

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 prorata 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 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/Procuring Agency 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/Procuring Agency, 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 Engineer-in-charge 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 Engineer /Procuring Agency 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 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 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 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 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 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 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 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 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 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 Engineer shall give the contractor reasonable notice of the intention of the 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 Engineer whenever any such part of the works or foundations is or are ready or about to be ready for examination and the 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 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 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 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.

Divisional Accountant

Contractor

Executive Engineer/Procuring Agency

BILL OF QUANTITIES**(A) Description and rate of Items based on Composite Schedule of Rates.**

Item No	Quantities	Description of item to be executed at site.	Rate	Unit	Amount in Rupees.
1	2	3	4	5	6

(SCHEDULE "B" ATTACHED)**Amount TOTAL (a)**

----- % above/below on the rates of CSR.

Amount to be added/deducted on the basis of
premium quoted. **TOTAL (b)****Total (A) = a+b in words & figures:****Contractor****Executive Engineer/Procuring Agency**

Draft Bidding Document for Works up to 4.00 M

(B) Description and rate of Items based on Market (Offered rates)

Item No	Quantities	Description of item to be executed at site.	Rate	Unit	Amount in Rupees.
1	2	3	4	5	6

(SCHEDULE "B" ATTACHED)

Total (B) in words & figure :

Contractor

Executive Engineer/Procuring Agency

Summary of Bill of Quantities.**Cost of Bid****Amount**

1. (A) Cost based on Composite Schedule of Rates.

2. (B) Cost based on Non/Offered Schedule of Rates.

TOTAL COST OF BID (C) = Total (A) + Total (B)*(SCHEDULE "B" ATTACHED)***Contractor****Executive Engineer/Procuring Agency**

7

**Construction of Mother & Child Centre and Maternity Home (05-Bedded) at
City & District Mirpurkhas. (1st: Phase) (Providing Int: W/S S/F & Ext: W/S
Drainage & Int: C.C Path)**

Schedule-"B".

Sr. No:	Items of Work.	Qty:	Rate.	Unit.	Amount.
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Part (A) Building Schedule Item Int: C.C & Path

1	Excavation and foundation of building bridges and other structure i/c dagbelling dressing and refilling around the structure with excavated earth watering and remming lead upto one chain and lift upto 5'ft(b) In ordinary soil. (S.I.No: 18(b) P-4)	480 -Cft:	3176.25	%-0Cft:	1,525
2	Cement concrete brick or stone ballast 1-1/2" thick to 2" guze ratio 1:4:8. (S.I.No: 4(b) P-14)	397 -Cft:	9416.28	%-Cft:	37,383
3	Pacca brick work in foundation and plinth in cement sand mortar 1:6 (S.I.NO:4 P-24)	300 -Cft:	11948.36	%-Cft:	35,845
4	Filling watering & remaining earth in floor with surplus earth from foundation lead upto one chain and lift upto 5'ft: (S.I.No:21, P-04)	320 -Cft:	1512.50	%0-Cft:	484
5	Borrowpit excavation undressed lead upto 100-ft: (a) Ordinary Soil. (S.I.No:03(a) P-01)	2,310 -Cft:	2117.50	%0-Cft:	4,891
6	Extra lead for 6-miles. (S.I.No:01, P-01) (Schedule Carriage)	2,310 -Cft:	771.96	%-Cft:	17,832
7	Cement concrete plain including placing compacting and curing and washing stone aggregate without shuttering ration 1:2:4. (S.I.No:05, P-17)	240 -Cft:	14429.25	%-Cft:	34,630
8	Cement plaster 1:6 upto 20" height (b) 1/2" thick. (S.I.No:13(b) P-58)	400 -Sft:	2206.60	%-Sft:	8,826
9	Cement plaster 3/8"thick upto 20"heigh ratio 1:4. (S.I.No:11(a) P-58)	400 -Sft:	2197.52	%-Sft:	8,790
10	Providing, laying RCC pipe & collar class 'B' and fixing in trench i/c cutting, fitting and jointing with maxphalt composition and cement mortar (1:1) i/c testing with water to a head of 22.5 meter or 75-ft (a) 450 mm (18"dia). (P.H.E.S.I.No:02(a), P-15)	25 -Rft:	412.00	P.Rft:	10,300

Total:- 160,506

Part (B) Internal Water Supply & S / F.

1	P/F squatting type white glazed earthen ware w.c pan with i/c the cost of flushing cistern with internal fitting & flush pipe with bend and making requisite number of holes in walls plinth & floor for pipe connection & making good in cement concrete 1:2:4. (a) W.C. pan of not less than 23" clear opening between flashing rims and 3 gallons flushing tank. (ii) With 4" dia white glazed earthen ware trape & plastic thumble. (S.I.No:01(a-ii) P-01)	10 -No:	5088.20	Each.	50,882
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Sr. No.	Items of Work.	Qty:	Rate.	Unit.	Amount.
2	Providing & Fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantiever brackets 6 inches built into wall, painted white in two coat after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate, a pair of 1-1/4" dia malleable iron or c.p brass traps malleable iron or brass union and making requists number of hole in wall, plinth & floor for pipe connection and makimng good in cement concrete 1:2:4 (Standard Pattern) (S.I.No:08 P-03)	10 -No:	4253.90	Each.	42,539
3	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed. (Foreign or Equivalent) (S.I.No:09, P-03)	10 -No:	938.47	Each.	9,385
4	P/F in position nyloon connections complete with 1/2" dia, brass stop cock with pair of bras nuts & lining joints to nyloon connection. (S.I.No:23, P-06)	20 -No:	447.15	Each.	8,943
5	Add extra labour for concealed G.I. Pipe & fittings i/c making recess in the wall for Pipe & making good in cement mortar etc complete. (i) 1/2" dia. (S.I.No:02(i) P12)	100 -Rft:	7.82	P.Rft:	782
6	S/F canceled stop cock of superior quality with C.P. head 1/2" dia. (S.I.No:11(a) P-18)	20 -No:	478.28	Each.	9,566
7	S/F long bib cock of superior quality with C.P. head 1/2" dia. (S.I.No:13(a) P-19)	20 -No:	1109.46	Each.	22,189
8	Supplying & fixing jet shower with rod of superior quality single C.P. head 1/2" dia. (S.I.No:15, P-19)	8 -No:	1142.24	Each.	9,138
9	S/F swan type pillar cock of superior quality single C.P. head 1/2" dia. (S.I.No:16(a) P-19)	10 -No:	795.30	Each.	7,953
10	S/F Bath room accessories set (7-pieces) i/c towel rod, brush holder, soap tray, shelf of approved quality and design etc complete. (S.I.No:22, P-19)	10 -No:	8122.40	Each.	81,224
11	P/F steel sinks stainless local make complete with cost iron or wrought iron brackets 6 inches built in wall, 1-1/2" C.P. rubber plug chrome plated brass chain, 1-1/2" C.P. brass waste, with 1-1/2" P.V.C. waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in C.C. 1:2:4. (a) Steel sink stainless sized 40" x 20" local make. (Standard Pattern) (S.I.No:19(a) P-06)				
(a)	Steel sink stainless sized 33" x 18" local make. (Standard Pattern)	1 -No:	5712.30	Each.	5,712
12	Providing & fixing handle valve (China). (S.I.No:05(i), P-17)				
(a)	1/2" dia.	8 -No:	200.42	Each.	1,603
(b)	3/4" dia.	8 -No:	271.92	Each.	2,175
13	Providing, Laying UPVC Pipes of Class "D" fixing in trench i/c cutting fitting and jointing with solvent cement i/c testing with water to a head of 122 meter or 400' ft.(P.H.E.S.I.No:6, P-24)				
(a)	13 mm (1/2" dia).	200 -Rft:	12.00	P.Rft:	2,400
(b)	19 mm (3/4" dia).	150 -Rft:	19.00	P.Rft:	2,850
(c)	25 mm (1" dia).	20 -Rft:	27.00	P.Rft:	540

Sr. No.	Items of Work.	Qty:	Rate.	Unit.	Amount.
(h)	80 mm (3"dia).	20 -Rft:	136.00	P.Rft:	2,720
(i)	100 mm (4" dia).	150 -Rft:	226.00	P.Rft:	33,900
Total:-					294,501

Part (C) External Water Supply & Drainage.

1	Excavation for pipe line trenches and pits in soft soils i/c trimming and dressing side to true alignment and shapes 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 5ft: (1.52 m) and lead upto one chain (30.50 m). (P.H.E.S.I.No:01, P-60)	563 -Cft:	3600.00	%0-Cft:	2,027
2	Constructing manhole or inspection chamber for the required diameter of circular sewer and 3'-6" (1067 mm) depth with walls of B.B. in cement sand mortar 1:3 cement plastered 1:3, 1/2" thick, inside of walls and 1" (25 mm) thick over benching and channel i/c fixing C.I. manhole cover with frame of clear opening 1-1/2' x 1-1/2' (457 x 457 mm) of 1.75 Cwt. (88.9 kg) embedded in plain C.C. 1:2:4 and fixing 1" (25 mm) dia M.S. steps 6" (150 mm) wide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C. duly painted etc. complete as per standard specification and drawing. (a) 4" to 12" dia 2' x 2' x 3'-6". (without C.I cover) (P.H.E.S.I.No:01, P-46)	8 -No:	2524.25	Each.	20,194
3	Refilling the excavation stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete. (P.H.E.S.I.No:24, P-77)	375 -Cft:	2760.00	%0-Cft:	1,035
4	R.C.C work i/c all labour & material except the cost of steel reinforcement laid its labour and bending & Binding wire also which will be paid Separately. This Rare also includes all kind of form mould lifting shuttering Curing rendering washing of Shingle (A) R.C work in roof , Slab, beams columns rafts, lintels and other structure member in situ or precast (i) Ratio 1:2:4 90 lbs: cement 2-Cft: sand 4 -Cft: shingle 1/8 to 1/4" guage.(S.I No: 6(a) (i) P-17/18)				
(a)	Precast reinforced cement concrete in columns beams lintels stair cases, shelves etc. (i). Ratio. 1:2:4.	25 -Cft:	309.78	P.Cft:	7,745
5	Fabrication of mild steel reinforcement for the cement Concrete i/c cutting and bending laying in position making joints and festening I / c cost of binding wire also includes removal of rust from bars.(S.I No:7(a)(b) P/ 11)				
(a)	Tor Bars.	0.63 -Cwt:	5001.70	P.Cwt:	3,171
6	Providing, Laying UPVC Pipes of Class "D" fixing in trench i/c cutting fitting and jointing with solvent cement i/c testing with water to a head of 122 meter or 400' ft.(P.H.E.S.I.No:6, P-24)				
(a)	13 mm (1/2" dia).	100 -Rft:	12.00	P.Rft:	1,200
(b)	19 mm (3/4" dia).	150 -Rft:	19.00	P.Rft:	2,850
(c)	25 mm (1" dia).	20 -Rft:	27.00	P.Rft:	540

Sr. No:	Items of Work.	Qty:	Rate.	Unit.	Amount.
(h)	80 mm (3"dia).	20 -Rft:	136.00	P.Rft:	2,720
(i)	100 mm (4" dia).	50 -Rft:	226.00	P.Rft:	11,300
(k)	150 mm (6" dia).	200 -Rft:	483.00	P.Rft:	96,600
(l)	200 mm (8" dia).	20 -Rft:	737.00	P.Rft:	14,740
Total:-					164,122

Part (D) Sokage Pit.

1	Excavation of well in dry upto 28' below ground land and sporal of soil with in one chain.(in ordinary soil). (S.I.No:01, P-92)				
(a)	From 0' to 5'ft: depth.	119 -Cft:	2247.58	%0-Cft:	267
(b)	From 5' to 10'ft: depth.	119 -Cft:	2347.40	%0-Cft:	279
2	Cement concrete brick or stone ballast 1-1/2" thick to 2" gauze ratio 1:5:10. (S.I.No:04(c) P-15)	6 -Cft:	8694.95	%-Cft:	522
3	Pacca brick work in foundation and plinth in (l-e) cement sand mortar 1:6 (S.I.No:04(l-e), P-20)	111 -Cft:	11948.36	%-Cft:	13,263
4	R.C.C work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) (a) R.C. work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (i) Ratio 1:2:4 90 Lbs: cement 2-Cft: sand 4-Cft: shingle 1/8" to 1/4" guaze. (S.I.No:06, P-17)	21 -Cft:	337.00	P-Cft:	7,077
5	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and festeining including cost of binding wire (also includes removal rust from bars) (a) Tor bars.(S.I.No:08(b) P-16)				
(a)	Tar Bar	0.84 -Cwt:	5001.70	P.Cwt:	4,201
(b)	Mild Steel	0.42 -Cwt:	4820.20	P.Cwt:	2,024
Total:-					27,633

Part "E" Non Schedule Items.

01	P/F UPVC fitting of schedule 40(e) ASTM/d-1785 standrad (AGM or Pak Arab make) with the cost of breaking through walls and roof i/c jointing with PVC salvent /JTG solution and fixing at any height / floor using long lodder (UPVC FITTING (4" DIA)				
(a)	4" dia Plug tea	10 -No:	_____	Each.	_____
(b)	4" diaY- tea	10 -No:	_____	Each.	_____
(c)	4" dia Plain bend tea	20 -No:	_____	Each.	_____

Sr. No:	Items of Work.	Qty:	Rate.	Unit.	Amount.
(d)	4" dia Terminal Guard.	10 -No:		Each.	
(e)	4" dia Floor trap.	20 -No:		Each.	
(f)	4" dia Jubli Clamps.	30 -No:		Each.	
03	P/F UPVC fitting of schedule 40(e) ASTM/d-1785 standrad (AGM or Pak Arab make) with the cost of breaking through walls and roof i/c jointing with PVC salvent /JTG solution and fixing at any height / floor using long lodder (UPVC FITTING (3" DIA)				
(a)	4" dia Plug tea	2 -No:		Each.	
(b)	3" diaY- tea	2 -No:		Each.	
(c)	3" dia Plain bend tea	2 -No:		Each.	
(d)	3" dia Terminal Guard.	2 -No:		Each.	
(e)	3" dia Floor trap.	2 -No:		Each.	
(f)	3" dia Jubli Clamps.	2 -No:		Each.	
04	Providing UPVC Floor Trap Jali or top title size 6"x6" of approved coloured and design as directed by the Engineer incharge.				
(a)	Floor trap.	10 -No:		Each.	
05	Providing and fixing water pump 1/2 H.P single phase 220-vots.	1 -No:		Each.	
06	Boaring 2" dia.	60 -Rft:		P.Rft:	
07	Supplying & fixing Jalli Filter.	1 -No:		Each.	
08	Supplying & fixing Check Valve.	1 -No:		Each.	
09	Supplying and Fixing pressure pipe 1/2" dia.	50 -Ft:		P-ft.	
10	S/F foundation Marble Stone Size (2' x 1.5') for Scheme	1 -No:		Each.	
Total:-					

GENERAL ABSTRACT.

1	Part (A) Building Schedule Item Int: C.C & Path	RS:-	160,506
2	Part (B) Internal Water Supply & S / F.	RS:-	294,501
3	Part (C) External Water Supply & Drainage.	RS:-	164,122
4	Part (D) Sokage Pit.	RS:-	27,633
5	Part "E" Non Schedule Items.	RS:-	

G. TOTAL :-

Sr. No:	Items of Work.	Qty:	Rate.	Unit.	Amount.
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NOTE:-

- 1) Only hill sand will be used.
- 2) Premium on non schedule item will not be allowed.
- 3) Cartage of any item either supplied y the Department if the contractor will be not allowed.
- 4) Water arrangement will be made by the contractor at his own risk and cost.
- 5) Income tax at 7.50% will be deducted from each bill of the contractor as per out standing orders.
- 6) Item / Quantities / Rates and Amount are estimates provisional and will be corrected in accordance to the Detail Working estimate sanctioned by competent authority.
- 7) The Material used in the work or finished project can be got tested from any approved lab: as the direction by Engineer In charge or his representative and all the expenses in this connection with such testing shall be borne by the contractor executively.

Contractor


Executive Engineer
 Buildings Division
 Mirpurkhas

SPPRA BIDDING DOCUMENT

STANDARD BIDDING DOCUMENTS

PROCUREMENT OF WORKS

(For Contract Costing Upto Rs.4.00 Million)

Name of Work :- **2 Construction of Engineering Office Complex at District Mirpurkhas. (Providing External Development & Revenue Component)**

Issued to Mr. / M/s. _____

DR. No. _____ *Dated:* _____

Tender Fee Amount. *Rs.* _____

Standard Bidding Document is intended as a model for admeasurements (Percentage Rate / Unit Price for unit rates in a Bill of Quantities) type of contract. The main text refers to admeasurements contract.

Instructions to Bidders/ Procuring Agencies.

General Rules and Directions for the Guidance of Contractors.

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are included as Conditions of Contract and *Contract Data*.

The *Instructions to Bidders* will not be part of the Contract and will cease to have effect once the contract is signed.

1. All work proposed to be executed by contract shall be notified in a form of Notice Inviting Tender (NIT)/Invitation for Bid (IFB) hoisted on website of Authority and Procuring Agency and also in printed media where ever required as per rules.

NIT must state the description of the work, dates, time and place of issuing, submission, opening of bids, completion time, cost of bidding document and bid security either in lump sum or percentage of Estimated Cost/Bid Cost. The interested bidder must have valid NTN also.

2. Content of Bidding Documents must include but not limited to: Conditions of contract, Contract Data, specifications or its reference, Bill of Quantities containing description of items with scheduled/item rates with premium to be filled in form of percentage above/ below or on item rates to be quoted, Form of Agreement and drawings.

3. **Fixed Price Contracts:** The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.

4. The Procuring Agency shall have right of rejecting all or any of the tenders as per provisions of SPP Rules 2010.

5. **Conditional Offer:** Any person who submits a tender shall fill up the usual printed form stating at what percentage above or below on the rates specified in Bill of Quantities for items of work to be carried out: he is willing to undertake the work and also quote the rates for those items which are based on market rates. Only one rate of such percentage, on all the Scheduled Rates shall be framed. Tenders, which propose any alternative in the works specified in the said form of invitation to tender or in the time

allowed for carrying out the work, or which contain any other conditions, will be liable to rejection. No printed form of tender shall include a tender for more than one work, but if contractor wish to tender for two or more works, they shall submit a separate tender for each.

The envelope containing the tender documents shall refer the name and number of the work.

6. All works shall be measured by standard instruments according to the rules.

7. Bidders shall provide evidence of their eligibility as and when requested by the Procuring Agency.

8. Any bid received by the Agency after the deadline for submission of bids shall be rejected and returned unopened to the bidder.

9. Prior to the detailed evaluation of bids, the Procuring Agency will determine whether the bidder fulfills all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), turnover statement, experience statement, and any other condition mentioned in the NIT and bidding document. If the bidder does not fulfill any of these conditions, it shall not be evaluated further.

10. Bid without bid security of required amount and prescribed form shall be rejected.

11. Bids determined to be substantially responsive shall be checked for any arithmetic errors. Arithmetical errors shall be rectified on the following basis;

- (A) **In case of schedule rates**, the amount of percentage quoted above or below will be checked and added or subtracted from amount of bill of quantities to arrive the final bid cost.
- (B) **In case of item rates**, If there is a discrepancy between the unit rate and the total cost that is obtained by multiplying the unit rate and quantity, the unit rate shall prevail and the total cost will be corrected unless in the opinion of the Agency there is an obvious misplacement of the decimal point in the unit rate, in which case the total cost as quoted will govern and the unit rate corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the sum of the total costs shall prevail and the total bid amount shall be corrected.
- (C) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

Draft Bidding Document for Works up to 4.00 M

Tell # 0233-9290047
Sr. No.02

NIT No.TC/G-55/ 120

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents)

- (a). Name of Procuring Agency :- Executive Engineer, Buildings Division Mirpurkhas.
- (b). Brief Description of Works :- 2 Construction of Engineering Office Complex at District Mirpurkhas. (Providing External Development & Revenue Component)
- (c). Procuring Agency's Address :- Near APWA Girls High School M.A. Jinnah Road Mirpurkhas.
- (d). Estimated Cost :- Rs. 0.9700 (M)
- (e). Amount of Bid Security :- Rs. 0.0485 (M) (Fill in lump sum amount or in %age of Bid Amount / Estimated Cost, but not exceeding 5%)
- (f). Period of Bid Validity (Days) :- 90-Days. (Not more than Ninety days).
- (g). Security Deposit :- (including Bid Security) Rs. 0.0873 (M) (in %age of Bid Amount / Estimate Cost equal to 10%)
- (h). Percentage, if any, to be Deducted from Bills. --
- (i). Deadline for Submission of Bids alongwith time :- 08-03-2018 (01:00 PM)
(1st Attempt)
- (j). Venue, Time and Date of Bid Opening :- 09-03-2018 (01:00 PM)
(1st Attempt)
- (k). Time for Completion form written order of commence :- 24-Months
- (l). Liquidity Damages :- -- (0.05 of Estimated Cost or Bid Cost per day of delay, but total not exceeding 10%)
- (m). Deposit Receipt No. _____ Date _____ Amount Rs. _____

(Executive Engineer / Authority issuing bidding documents).

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 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/Procuring Agency 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/Procuring Agency, 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 Engineer-in-charge 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 Engineer /Procuring Agency 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 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 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 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 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 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 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 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 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 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 Engineer shall give the contractor reasonable notice of the intention of the 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 Engineer whenever any such part of the works or foundations is or are ready or about to be ready for examination and the 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 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 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 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.

Divisional Accountant

Contractor

Executive Engineer/Procuring Agency

BILL OF QUANTITIES**(A) Description and rate of Items based on Composite Schedule of Rates.**

Item No	Quantities	Description of item to be executed at site.	Rate	Unit	Amount in Rupees.
1	2	3	4	5	6

(SCHEDULE "B" ATTACHED)

Amount TOTAL (a)

----- % above/below on the rates of CSR.

Amount to be added/deducted on the basis of
premium quoted. TOTAL (b)

Total (A) = a+b in words & figures:

Contractor

Executive Engineer/Procuring Agency

Draft Bidding Document for Works up to 4.00 M

(B) Description and rate of Items based on Market (Offered rates)

Item No	Quantities	Description of item to be executed at site.	Rate	Unit	Amount in Rupees.
1	2	3	4	5	6

(SCHEDULE "B" ATTACHED)

Total (B) in words & figure :

Contractor

Executive Engineer/Procuring Agency

Summary of Bill of Quantities.**Cost of Bid****Amount**

1. (A) Cost based on Composite Schedule of Rates.
2. (B) Cost based on Non/Offered Schedule of Rates.

TOTAL COST OF BID (C) = Total (A) + Total (B)**Contractor****Executive Engineer/Procuring Agency**

Construction of Engineering Office Complex at District Mirpurkhas.(Prv: Ext: Dev: & Rev: Comonent)

Schedule "B".

Sr. No:	Items of Work.	Qty:	Rate.	Unit.	Amount.
<u>Part (A) Main Buildings</u>					
1	Excavation and foundation of building bridges and other structure i/c dagbelling dressing and refilling around the structure with excavated earth watering and remming lead upto one chain and lift upto 5'ft(b) In ordinary soil (S.I.No: 18(b) P-4)	592 -Cft:	3176.25	%-0Cft:	1,880
2	Cement concrete brick or stone ballast 1-1/2" thick to 2" gauze ratio 1:5:10. (S.I.No:04(c) P-15)	407 -Cft:	8694.95	%-Cft:	35,388
3	Filling watering & remaining earth in floor with surplus earth from foundation lead upto one chain and lift upto 5 ft. (S.I.No 21, P-04)	395 -Cft:	1512.50	%0-Cft:	597
4	Filling, watering & ramming earth under floor with new earth (excavated from out side) lead upto one chain and lift upto 5 ft. (S.I.No:22, P-04)	1,701 -Cft:	3630.00	%0-Cft:	6,175
5	Extra lead for 03-miles. (S.I.No: , P-) (Schedule Carriage)	1,701 -Cft:	579.41	%-Cft:	9,856
6	Providing and laying topping cement concrete 1:2:4 including surface finishing and dividing into panels. (a) 2" thick topping. (S.I.No:16(a), P-42)	667 -Sft:	3275.50	%-Sft:	21,848
7	Pacca brick work in foundation and plinth in cement sand mortor 1:6 (S.I.NO:4 P-24)	117 -Cft:	11948.36	%-Cft:	13,980
8	R.C.C work including all labour and material except the cost of steel reinforcement for bending and binding which will be paid separately. this rate also includes all kinds of forms mould lifting shuttering curing and washing of shingle(A) R.C work including roofslab, beams columns,rafts lintels and other structure member laid in situ or precast and lead in position in all respect ratio 1:2:4 90 lbs: cementy 2-cft: sand 4-cft: shingle 1/8" to 1/4" inch gauze. (SI No: 6, P-15)	752 -Cft:	337	P-Cft:	253,424
9	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and festeining including cost of binding wire (also includes removal rust from bars) (a) Tor bars.(S.I.No:08(b) P-16)				
(a)	Tar Bar	45.12 -Cwt:	5001.70	P.Cwt:	225,677
10	P/L tiles glazed 6" x 6" x 1/4" on floor or wall facing in required coloured and pattern of STILE specification jointed in white cement and pigment over a base of 1:2 gray cement mortor 3/4" thick i/c washing and filling of joints with slurry of white cement and pigment in desired shape with finishing, cleaning and cost of wax polish etc. complete i/c cutting tiles to proper profile. (SI No:60, P-47)	30 -Sft:	30509.77	%-Sft:	9,153
11	Cement concrete plain including placing compacting, finishing and curing, complete i/c screening and washing stone aggregate without shuttering. (f) Ratio 1:2:4. (S.I.No:05(f), P-16)	96 -Cft:	14429.25	%-Cft:	13,852

Sr. No:	Items of Work.	Qty:	Rate.	Unit.	Amount.
12	P/F cement paving blocks flooring having size of 197 x 97 x 80 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner / patter and design etc. complete. (S.I.No.74, P-50)	168 -Sft:	248.17	P.Sft:	41,693
13	Laying white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 i/c rubbing in polishing of joint. (a) 3/4" thick flooring. (S.I.No:28(a) P-43)	567 -Sft:	567.48	P.Sft:	321,761
Total:-					955,284

NOTE:-

- 1) Only hill sand will be used.
- 2) Premium on non schedule item will not be allowed.
- 3) Cartage of any item either supplied by the Department if the contractor will be not allowed.
- 4) Water arrangement will be made by the contractor at his own risk and cost.
- 5) Income tax at 7.50% will be deducted from each bill of the contractor as per out standing orders.
- 6) Item / Quantities / Rates and Amount are estimates provisional and will be corrected in accordance to the Detail Working estimate sanctioned by competent authority.
- 7) The Material used in the work or finished project can be got tested from any approved lab: as the direction by Engineer In charge or his representative and all the expenses in this connection with such testing shall be borne by the contractor executively.

Contractor


Executive Engineer
 Buildings Division
 Mirpurkhas

SPPRA BIDDING DOCUMENT

STANDARD BIDDING DOCUMENTS

PROCUREMENT OF WORKS

(For Contract Costing Upto Rs.4.00 Million)

Name of Work :- **3 Construction of BHU at Village Sawan Pitafi, Taluka Digri. District Mirpurkhas (Providing Int: & Ext: W/S & S/F and Drainage, C.C. Path of.Cat: IIIrd: Bungalow 01-No & Type Vth Qtr 02-Nos)**

Issued to Mr. / M/s. _____

DR. No. _____ *Dated:* _____

Tender Fee Amount. _____ *Rs.* _____

Standard Bidding Document is intended as a model for admeasurements (Percentage Rate / Unit Price for unit rates in a Bill of Quantities) type of contract. The main text refers to admeasurements contract.

Instructions to Bidders/ Procuring Agencies.

General Rules and Directions for the Guidance of Contractors.

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are included as Conditions of Contract and *Contract Data*.

The *Instructions to Bidders* will not be part of the Contract and will cease to have effect once the contract is signed.

1. All work proposed to be executed by contract shall be notified in a form of Notice Inviting Tender (NIT)/Invitation for Bid (IFB) hoisted on website of Authority and Procuring Agency and also in printed media where ever required as per rules.

NIT must state the description of the work, dates, time and place of issuing, submission, opening of bids, completion time, cost of bidding document and bid security either in lump sum or percentage of Estimated Cost/Bid Cost. The interested bidder must have valid NTN also.

2. Content of Bidding Documents must include but not limited to: Conditions of contract, Contract Data, specifications or its reference, Bill of Quantities containing description of items with scheduled/item rates with premium to be filled in form of percentage above/ below or on item rates to be quoted, Form of Agreement and drawings.

3. **Fixed Price Contracts:** The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.

4. The Procuring Agency shall have right of rejecting all or any of the tenders as per provisions of SPP Rules 2010.

5. **Conditional Offer:** Any person who submits a tender shall fill up the usual printed form stating at what percentage above or below on the rates specified in Bill of Quantities for items of work to be carried out: he is willing to undertake the work and also quote the rates for those items which are based on market rates. Only one rate of such percentage, on all the Scheduled Rates shall be framed. Tenders, which propose any alternative in the works specified in the said form of invitation to tender or in the time

allowed for carrying out the work, or which contain any other conditions, will be liable to rejection. No printed form of tender shall include a tender for more than one work, but if contractor wish to tender for two or more works, they shall submit a separate tender for each.

The envelope containing the tender documents shall refer the name and number of the work.

6. All works shall be measured by standard instruments according to the rules.
7. Bidders shall provide evidence of their eligibility as and when requested by the Procuring Agency.
8. Any bid received by the Agency after the deadline for submission of bids shall be rejected and returned unopened to the bidder.
9. Prior to the detailed evaluation of bids, the Procuring Agency will determine whether the bidder fulfills all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), turnover statement, experience statement, and any other condition mentioned in the NIT and bidding document. If the bidder does not fulfill any of these conditions, it shall not be evaluated further.
10. Bid without bid security of required amount and prescribed form shall be rejected.
11. Bids determined to be substantially responsive shall be checked for any arithmetic errors. Arithmetical errors shall be rectified on the following basis;
 - (A) **In case of schedule rates**, the amount of percentage quoted above or below will be checked and added or subtracted from amount of bill of quantities to arrive the final bid cost.
 - (B) **In case of item rates**, .If there is a discrepancy between the unit rate and the total cost that is obtained by multiplying the unit rate and quantity, the unit rate shall prevail and the total cost will be corrected unless in the opinion of the Agency there is an obvious misplacement of the decimal point in the unit rate, in which case the total cost as quoted will govern and the unit rate corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the sum of the total costs shall prevail and the total bid amount shall be corrected.
 - (C) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

Draft Bidding Document for Works up to 4.00 M

Tell # 0233-9290047
Sr. No.03

NIT No.TC/G-55/ 120

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents)

- (a). Name of Procuring Agency :- Executive Engineer, Buildings Division Mirpurkhas.
- (b). Brief Description of Works :- 3 Construction of BHU at Village Sawan Pitafi, Taluka Digri. District Mirpurkhas (Providing Int: & Ext: W/S & S/F and Drainage, C.C. Path of.Cat: Illrd: Bungalow 01-No & Type Vth Qtr 02-Nos)
- (c). Procuring Agency's Address :- Near APWA Girls High School M.A. Jinnah Road Mirpurkhas.
- (d). Estimated Cost :- Rs. 0.7500 (M)
- (e). Amount of Bid Security :- Rs. 0.0375 (M) (Fill in lump sum amount or in %age of Bid Amount / Estimated Cost, but not exceeding 5%)
- (f). Period of Bid Validity (Days) :- 90-Days. (Not more than Ninety days).
- (g). Security Deposit :- (including Bid Security) Rs. 0.0675 (M) (in %age of Bid Amount / Estimate Cost equal to 10%)
- (h). Percentage, if any, to be Deducted from Bills. --
- (i). Deadline for Submission of Bids alongwith time :- 08-03-2018 (01:00 PM)
(1st: Attempt)
- (j). Venue, Time and Date of Bid Opening :- 09-03-2018 (01:00 PM)
(1st: Attempt)
- (k). Time for Completion form written order of commence :- 12-Months
- (l). Liquidity Damages :- -- (0.05 of Estimated Cost or Bid Cost per day of delay, but total not exceeding 10%)
- (m). Deposit Receipt No. _____ Date _____ Amount Rs. _____

(Executive Engineer / Authority issuing bidding documents).

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 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 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/Procuring Agency 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/Procuring Agency, 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 Engineer-in-charge 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 Engineer /Procuring Agency 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 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 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 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 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 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 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 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 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 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 Engineer shall give the contractor reasonable notice of the intention of the 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 Engineer whenever any such part of the works or foundations is or are ready or about to be ready for examination and the 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 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 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 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.

Divisional Accountant

Contractor

Executive Engineer/Procuring Agency

BILL OF QUANTITIES**(A) Description and rate of Items based on Composite Schedule of Rates.**

Item No	Quantities	Description of item to be executed at site.	Rate	Unit	Amount in Rupees.
1	2	3	4	5	6

*(SCHEDULE "B" ATTACHED)***Amount TOTAL (a)**

----- % above/below on the rates of CSR.

Amount to be added/deducted on the basis of
premium quoted. **TOTAL (b)****Total (A) = a+b in words & figures:****Contractor****Executive Engineer/Procuring Agency**

(B) Description and rate of Items based on Market (Offered rates)

Item No	Quantities	Description of item to be executed at site.	Rate	Unit	Amount in Rupees.
1	2	3	4	5	6

(SCHEDULE "B" ATTACHED)

Total (B) in words & figure :

Contractor

Executive Engineer/Procuring Agency

Summary of Bill of Quantities.**Cost of Bid****Amount**

1. (A) Cost based on Composite Schedule of Rates.
2. (B) Cost based on Non/Offered Schedule of Rates.

TOTAL COST OF BID (C) = Total (A) + Total (B)**SCHEDULE "B" ATTACHED****Contractor****Executive Engineer/Procuring Agency**

18

**Construction of Basic Health Unit at Village Sawan Pitafi, Taluka Digri. District Mirpurkhas
(Cat: iird Bungalow 01 Nos Type Vth Qtr 02 Nos):(Pro: Int: W/S, S/F and Ext: Development
W/S and Drainage C.C & Path, & Remaining Work**

Schedule "B".

Sr. No:	Items of Work.	Qty:	Rate.	Unit.	Amount.
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Part "A" Buildings Schedule Items

1	Providing and laying topping cement concrete 1:2:4 including surface finishing and dividing into panels. (S.I.No:16, P-47)				
(a)	1-1/2" thick topping	1,848 -Sft:	1115.18	%-Sft:	20,609
2	Two coat of bitumen laid hot using 34 lbs: %-Sft: over roof and blinded with sand at one Cft: per %-Sft: (S.I.No:13, P-41)	1,848 -Sft:	431.21	%-Sft:	7,969
3	First class deodar wood wrought, joinery in doors and windows etc, fixed in position i/c chowkats hold fasts hinges, aldrops iron tower bolts, chocks cleats, handles and cords with hooks, etc. Deodar panelled or panelled and glazed or fully glazed (S.I.No:07(b) P-65)				
(A)	1-3/4" thick (Only shutter)	379 -Sft:	228.38	P.Sft:	86,556
4	Painting old surface. (c) Painting doors and windows any type 02-coats. (S.I.No:04(c-ii) P-68)	930 -Sft:	978.95	%-Sft:	9,104
5	First class deodar wood wrought joinery work in wire guaze door and windows with 22 S.W.G. Galvanized wire guaze 144 mesh per square inch iron fittings complete. (S.I.No:14(a), P-5)				
(A)	3/4" thick Wire guaze.	188 -Sft:	61.33	P.Sft:	11,530
6	Preparing surface and painting sashes fan light glazed or guazed door any windows any type (i/c edge) 3-coats. (S.I.No:05(c) P-76)	188 -Sft:	584.54	%-Sft:	1,099
7	Primary coat of chalk under distemper. (S.I.No:23, P-58)	6,257 -Sft:	58.85	%-Sft:	3,682
8	Distempering on wall 3-coat. (S.I.No:24 (c), P-53)	6,257 -Sft:	263.51	%-Sft:	16,488
9	S/F in position iron steel grill of 3/4"x3/4"xsize flat iron of approved design i/c painting 3-coats etc complete (wt: not to be less than 3.7 lbs:/sq:ft: (S.I.NO:26 P-97)	314 -Sft:	115.47	P.Sft:	36,258
10	Pacca brick work in ground floor in cement sand mortar 1:6. (S.I.NO:5 P-25)	88 -Cft:	4246.30	%-Cft:	3,737
11	R.C.C work including all labour and material except the cost of steel reinforcement for bending and binding which will be paid separately. this rate also includes all kinds of forms mould lifting shuttering curing and washing of shingle(A) R.C work including roofslab,beams columns ,rafts lintels and other structure member laid in situ or precast and lead in position in all respect ratio 1:2:4 90 lbs: cementy 2-cft: sand 4-cft: shingle 1/8" to 1/4" inch guaze. (SI.NO:6 P-17)	137 -Cft:	114.00	P.Cft:	15,618

Sr. No.	Items of Work.	Qty:	Rate.	Unit.	Amount.
12	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and festeining including cost of binding wire (also includes removal rust from bars). (S.I.No:7(A)(B)P-20)				
(a)	Tor bars.	7.02 -Cwt:	2772.55	P.Cwt:	19,467
13	Cement plaster 1:6 upto 20" height (b) 1/2" thick. (S.I.No:13(b) P-58)	486 -Sft:	2206.60	%-Sft:	10,724
14	Cement plaster 3/8"thick upto 20"heigh ratio 1:4. (S.I.No:11(a) P-58)	486 -Sft:	2197.52	%-Sft:	10,680
15	Laying floor of approved coloured glazed tiles 1/4" thick laid in situ cement and pigment on a bed or 3/4" thick cement mortar ratio 1:2. (S.I.No:25, P-49)	64 -Sft:	27747.06	%-Sft:	17,758
16	Glazed tiles dado 1/4" thick laid in cement pigment over 1:2 cement sand mortar 3/4"thick cement concrete 1:2 (S.I.No:38, P-50)	32 -Sft:	28299.30	%-Sft:	9,056

Total:- 280,334

Part (B) Internal Water Supply & S / F.

1	P/F squatting type white glazed earthen ware w.c pan with i/c the cost of flushing cistern with internal fitting & flush pipe with bend and making requisite number of holes in walls plinth & floor for pipe connection & making good in cement concrete 1:2:4. (a) W.C. pan of not less than 23" clear opening between flashing rims and 3 gallons flushing tank. (ii) With 4" dia white glazed earthen ware trape & plastic thumble. (S.I.No:01(a-ii) P-01)	5 -No:	5088.20	Each.	25,441
2	Providing & Fixing 24" x 18" lavatory basin in white glazed earthan ware complete with & i/c the cost of W.I or C.I cantiever brackets 6 inches built into wall, painted white in two coast after a primary coat of red lead paint, a pair of 1/2" dia rubber plug & chrome plate, a pair of 1-1/4" dia malloable iron or c.p brass traps malloable iron or brass union and making requists number of hole in wall, plinth & floor for pipe connection and makimng good in cement concrete 1:2:4 (Standard Pattern) (S.I.No:08 P-03)	5 -No:	4253.90	Each.	21,270
3	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed. (Foreign or Equivalent) (S.I.No:09, P-03)	5 -No:	938.47	Each.	4,692
4	P/F in position nyloon connections complete with 1/2" dia, brass stop cock with pair of bras nuts & lining joints to nyloon connection. (S.I.No:23, P-06)	10 -No:	447.15	Each.	4,472
5	Add extra labour for concealed G.I. Pipe & fittings i/c making recess in the wall for Pipe & making good in cement mortar etc complete. (i) 1/2" dia. (S.I.No:02(i) P12)	80 -Rft:	7.82	P.Rft:	626
6	S/F canceled stop cock of superior quality with C.P. head 1/2" dia. (S.I.No:11(a) P-18)	15 -No:	478.28	Each.	7,174
7	S/F long bib cock of superior quality with C.P. head 1/2" dia. (S.I.No:13(a) P-19)	13 -No:	1109.46	Each.	14,423

Sr. No:	Items of Work.	Qty:	Rate.	Unit.	Amount.
8	Supplying & fixing jet shower with rod of superior quality single C.P. head 1/2" dia. (S.I.No:15, P-19)	5 -No:	1142.24	Each.	5,711
9	S/F swan type pillar cock of superior quality single C.P. head 1/2" dia. (S.I.No:16(a) P-19)	5 -No:	795.30	Each.	3,977
10	S/F Bath room accessories set (7-pieces) i/c towel rod, brush holder, soap tray, shelf of approved quality and design etc complete. (S.I.No:22, P-19)	5 -No:	8122.40	Each.	40,612
11	P/F steel sinks stainless local make complete with cost iron or wrought iron brackets 6 inches built in wall, 1-1/2" C.P. rubber plug chrome plated brass chain, 1-1/2" C.P. brass waste, with 1-1/2" P.V.C. waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in C.C. 1:2:4. (a) Steel sink stainless sized 40" x 20" local make. (Standard Pattern) (S.I.No:19(a) P-06)				
(a)	Steel sink stainless sized 33" x 18" local make. (Standard Pattern)	3 -No:	5712.30	Each.	17,137
12	Providing & fixing handle valve (China). (S.I.No:05(i), P-17)				
(a)	1/2" dia.	8 -No:	200.42	Each.	1,603
(b)	3/4" dia.	8 -No:	271.92	Each.	2,175
13	Providing, Laying UPVC Pipes of Class "D" fixing in trench i/c cutting fitting and jointing with solvent cement i/c testing with water to a head of 122 meter or 400' ft. (P.H.E.S.I.No:6, P-24)				
(a)	13 mm (1/2" dia).	100 -Rft:	12.00	P.Rft:	1,200
(b)	19 mm (3/4" dia).	100 -Rft:	19.00	P.Rft:	1,900
(c)	25 mm (1" dia).	20 -Rft:	27.00	P.Rft:	540
(h)	80 mm (3" dia).	20 -Rft:	136.00	P.Rft:	2,720
(i)	100 mm (4" dia).	50 -Rft:	226.00	P.Rft:	11,300
Total:-					166,973

Part (C) External Water Supply & Drainage.

1	Excavation for pipe line trenches and pits in soft soils i/c trimming and dressing side to true alignment and shapes 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 5ft: (1.52 m) and lead upto one chain (30.50 m). (P.H.E.S.I.No:01, P-60)	450 -Cft:	3600.00	%0-Cft:	1,620
2	Constructing manhole or inspection chamber for the required diameter of circular sewer and 3'-6" (1067 mm) depth with walls of B.B. in cement sand mortar 1:3 cement plastered 1:3, 1/2" thick, inside of walls and 1" (25 mm) thick over benching and channel i/c fixing C.I. manhole cover with frame of clear opening 1-1/2' x 1-1/2' (457 x 457 mm) of 1.75 Cwt. (88.9 kg) embedded in plain C.C. 1:2:4 and fixing 1" (25 mm) dia M.S. steps 6" (150 mm) wide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C.C. duly painted etc. complete as per standard specification and drawing. (a) 4" to 12" dia 2' x 2' x 3'-6". (without C.I cover) (P.H.E.S.I.No:01, P-46)	6 -No:	2524.25	Each.	15,146

Sr. No:	Items of Work.	Qty:	Rate.	Unit.	Amount.
3	Refilling the excavation stuff in trenches 6" thick layer i/c watering ramming to full compaction etc complete. (P.H.E.S.I.No:24, P-77)	300 -Cft:	2760.00	%0-Cft:	828
4	R.C.C work i/c all labour & material except the cost of steel reinforcement laid its labour and bending & Binding wire also which will be paid Separately. This Rare also includes all kind of form mould lifting shuttering Curing rendering washing of Shingle (A) R.C work in roof , Slab, beams columns rafts, lintels and other structure member in situ or precast (i) Ratio 1:2:4 90 lbs: cement 2-Cft: sand 4 -Cft: shingle 1/8 to 1/4"guage.(S.I No: 6(a) (i) P-17/18)				
(a)	Precast reinforced cement concrete in columns beams lintels stair cases, shelves etc. (i). Ratio. 1:2:4.	18 -Cft:	309.78	P.Cft:	5,576
5	Fabrication of mild steel reinforcement for the cement Concrete i/c cutting and bending laying in position making joints and festeining I / c cost of binding wire also includes removal of rust from bars.(S.I No:7(a)(b) P/ 11)				
(a)	Tor Bars.	0.47 -Cwt:	5001.70	P.Cwt:	2,367
6	Providing, Laying UPVC Pipes of Class "D" fixing in trench i/c cutting fitting and jointing with solvent cement i/c testing with water to a head of 122 meter or 400' ft.(P.H.E.S.I.No:6, P-24)				
(a)	13 mm (1/2" dia).	50 -Rft:	12.00	P.Rft:	600
(b)	19 mm (3/4" dia).	200 -Rft:	19.00	P.Rft:	3,800
(c)	25 mm (1" dia).	20 -Rft:	27.00	P.Rft:	540
(h)	80 mm (3"dia).	20 -Rft:	136.00	P.Rft:	2,720
(i)	100 mm (4" dia).	50 -Rft:	226.00	P.Rft:	11,300
(k)	150 mm (6" dia).	200 -Rft:	483.00	P.Rft:	96,600
(l)	200 mm (8" dia).	20 -Rft:	737.00	P.Rft:	14,740
Total :-					155,837

Part "D" Non Schedule Items.

- 01 P/F UPVC fitting of schedule 40(e) ASTM/d-1785 standrad (AGM or Pak Arab make) with the cost of breaking through walls and roof i/c jointing with PVC salvent /JTG solution and fixing at any height / floor using long lodder (UPVC FITTING (4" DIA)

(a)	4" dia Plug tea	6 -No:	_____	Each.	_____
(b)	4" diaY- tea	5 -No:	_____	Each.	_____
(c)	4" dia Plain bend tea	10 -No:	_____	Each.	_____
(d)	4" dia Terminal Guard.	5 -No:	_____	Each.	_____
(e)	4" dia Floor trap.	10 -No:	_____	Each.	_____
(f)	4" dia Jubli Clamps.	15 -No:	_____	Each.	_____

- 03 P/F UPVC fitting of schedule 40(e) ASTM/d-1785 standrad (AGM or Pak Arab make) with the cost of breaking through walls and roof i/c jointing with PVC salvent /JTG solution and fixing at any height / floor using long lodder (UPVC FITTING (3" DIA)

(a)	4" dia Plug tea	2 -No:	_____	Each.	_____
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Sr. No:	Items of Work.	Qty:	Rate.	Unit.	Amount.
(b)	3" diaY- tea	2 -No:		Each.	
(c)	3" dia Plain bend tea	2 -No:		Each.	
(d)	3" dia Terminal Guard.	2 -No:		Each.	
(e)	3" dia Floor trap.	2 -No:		Each.	
(f)	3" dia Jubli Clamps.	2 -No:		Each.	
04	Providing UPVC Floor Trap Jali or top title size 6"x6" of approved coloured and design as directed by the Engineer incharge.				
(a)	Floor trap.	10 -No:		Each.	
05	Providing and fixing water pump 1/2 H.P single phase 220-vots.	3 -No:		Each.	
06	Boaring 2" dia.	60 -Rft:		P.Rft:	
07	Supplying & fixing Jalli Filter.	1 -No:		Each.	
08	Supplying & fixing Check Valve.	1 -No:		Each.	
09	Supplying and Fixing pressure pipe 1/2" dia.	50 -Ft:		P-ft.	
10	S/F foundation Marble Stone Size (2' x 1.5') for Scheme	1 -No:		Each.	
Total :-					

GENERAL ABSTRACT.

1	Part "A" Buildings Schedule Items	RS:-	280,334
2	Part (B) Internal Water Supply & S / F.	RS:-	166,973
3	Part (C) External Water Supply & Drainage.	RS:-	155,837
4	Part "D" Non Schedule Items.	RS:-	
G. TOTAL :-			

NOTE :-

- 1) Only hill sand will be used.
- 2) Premium on non schedule item will not be allowed.
- 3) Cartage of any item either supplied y the Department if the contractor will be not allowed.
- 4) Water arrangement will be made by the contractor at his own risk and cost.
- 5) Income tax at 7.50% will be deducted from each bill of the contractor as per out standing orders.
- 6) Item / Quantities / Rates and Amount are estimates provisional and will be corrected in accordance to the Detail Working estimate sanctioned by competent authority.
- 7) The Material used in the work or finished project can be got tested from any approved lab: as the direction by Engineer In charge or his representative and all the expenses in this connection with such testing shall be borne by the contractor executively.

Contractor


Executive Engineer
 Buildings Division
 Mirpurkhas