TENDER DOCUMENT

For

CUBICAL OFFICES (ALUMINUM) AND REPAIR & RENOVATION WORKS

at

Centre of Excellence in **ARTS & DESIGN,**
MUET, Jamshoro

Centre of Excellence in Art & Design, MUET, Jamshoro
Near East Toll Plaza Super Highway, Jamshoro. www.cead.edu.pk. Ph.0222-2110000 & 19

No. Dir/CEAD/233/2014
Date: 26th August, 2014

Notice Inviting Tender

Sealed/Item Rate tenders are invited on prescribed form from the suppliers, Manufacturers, Sole Distributors, Sales Tax Registered and sole Agents for the supply, Delivery, installations putting into operation and Demonstration of working of Goods for laboratory of CEAD, MUET, Jamshoro.

The Detail of tender is as under;

S#	Name of Work	Tender Fee Non-Refundable	Earnest Money	Completion Period
1	Supply of Pano system or Zero Client, LED, server Networking, Air-conditioning & UPS	2500.00	2%	Three Months
2	Supply of Rapier Weaving Machine (Sampling)	2500.00	2%	Three Months
3	Furniture & Fixture	2,000.00	2%	Four Months
4	Cubical Offices (Aluminum) and Repair & Renovation Work	2,500.00	2%	Four Months
5	Out Sources (Security Service)	1,500.00	2%	On Contract Basis for one year

The tenders at Serial No. 1 & 2 can be obtained upto 17th September, 2014 and will be received back on 18th September, 2014 at 12:30PM and will be opened on same date at 1:00PM

And the tenders at Serial No. 3, 4 & 5 can be obtained upto 18th September, 2014 and will be received back on 19th September, 2014 at 12:30PM and will be opened on same date at 1:00PM

For item at serial No. 04 PEC registration will be required to participate on percentage/ item rate on scheduled and non scheduled items.

For Bidders at serial No. 05 should be enrolled with security Exchange of Pakistan and simultaneously registered with Ministry of Interior, Government of Sindh,.

The Tender documents of above work are available on CEAD website (www.cead.edu.pk) and SPPRA website i.e. wwwpprasindh.gov.pk and can be had from the office of undersigned during the date of purchase as mentioned and will be opened on the date of opening as shown above in presence of contractors/Representatives whosoever will be present at that time.

Conditional tender or a tender without the earnest money will not be considered in the competition. Earnest money of the bidders who failed to win the bid shall be returned to the concerned competitor after the procedure of award of contract to the successful bidder is complete.

The Centre reserves the right as per SPPRA Rules to reject any or all bids without any reason.

Director,
CEAD, MUET, Jamshoro

SALIENT FEATURES OF THE PROJECT/BID DATA SHEET

1	Tender Description /Name of work/items	**Cubical Offices (Aluminum) And Repair & Renovation Works**
2	Name of Firm/Bidder	
3	Date of Issue of Tender	
4	Place of Issue of Tender	Office of the Director, CEAD, MUET, Jamshoro.
5	Place of Submission of Tender	Office of the Director, CEAD, MUET, Jamshoro
6	Last Date & Time for submission of Tender	_____
7	Date & Time for opening of Tender	
8	Place of Tender opening	Office of the Director,
9	Earnest Money in the shape of Call Deposit or Bank Draft to submitted along with Tender	2% (Two Percent) of the Tendered amount
10	Commencement of works	Within 7-days after the issue of Engineer's Notice to commence of Work
11	Time and Completion of the Project from the date of Commencement of Work	04 (Four) Months.
12	Liquidated Damages for delay in case of non-completion of Work within stipulated time	0.2% (Point Two Percent) per working day to a maximum of 10% of the contract Price.
13	Defect liability or Maintenance Period	02 (Two) Months from the date of completion Certificate/ Final Payment.
14	Percentage of Retention Money	8 % (Eight Percent) of the value of interim Certificate
15	Return of Retention Money	On expiry of defect liability or Maintenance Period.

Signature & Stamp of Contractor

ARTICLES OF AGREEMENT

This Agreement made on _____ day of _____ 2014, by and between the Director CEAD, MUET, located at Jamshoro, Sindh, including his successors in office and Assignees / Agents, acting through the Project Director, CEAD, MUET, hereinafter called the "Centre", of the one part,

And _____ of
(Name and designation of the authorized person)
_____, located at _____, hereinafter called the "**Contractor**" which expression shall include their successors, legal representatives of the second part.

Whereas the Centre requires laboratory equipment at Jamshoro, and whereas the **Contractor** has agreed to supply, install, put into operation and demonstrate the working of the said Equipment valued at Rs. _____ (in figures and words) in the period of _____ months, subject to the terms and conditions set forth, hereinafter, which have been accepted by the **Contractor**.

(Amount in figures and words)

Now this Agreement witnesses as follows:

1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the **Conditions of Contract** hereinafter referred to.

2. The following documents which, for the purpose of identification, have been signed by _____ on behalf of the **Contractor,** and by
(Name and designation of the authorized person)

_____ on behalf of the Centre, all of
(Name and designation of the authorized person)

Which shall be deemed to form and be read and construed as a part of this **Agreement** viz:

- **i.** Instructions to Bidders (ITB)
- **ii.** Bid Data Sheet
- **iii.** Conditions of Contract (CC)
- **iv.** Schedule of Requirements
- **v.** Technical Specifications
- **vi.** Bid Form and Price Schedules
- **vii.** Bid Security Form
- **viii.** Contract Form
- **ix.** Performance Security Form
- **x.** Manufacturer's Authorization Form
- **xi.** Bill of Quantities with prices.

3. In consideration of the payment to be made to the Contractor, the **Contractor** hereby **covenants** with the Centre to supply, deliver, install, put into operation and demonstrate the working of the goods/Equipment in conformity in all respects of the Contract & the order form No. _____.

4. The Centre hereby **covenants to pay** the Contractor in consideration of the supply, delivery, installation, putting into operation and demonstration of the working of the Equipment the contact price in the manner prescribed by the Contract and approved by the Centre.

In Witness Thereof the parties have hereunto set their respective hands and seals, the day, month and year first above written.

WITNESSES:

Centre _____

Witness No.1:
Signature: _____
Name: _____
Designation: _____

Witness No.2.
Signature: _____
Name: _____
Designation: _____

Contractor_____

Witness No.1:
Signature:_____
Name: _____
Designation: _____

Witness No.2:
Signature:_____
Name: _____
Designation: _____

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.

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 wok, 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 **c**ompletion 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 exits:-
(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 **c**ontractor. 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 for 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 contact 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 / higher authority..

(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-incharge 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.

Contractor

BOQs

Bill of Quantity for

Cubical offices (Aluminum) and Repair & Renovation works

S.NO	DESCRIPTION	Amount
1	Cost of Civil works (Schedule Items)	
2	Cost of Electrical Works (Schedule Items)	
3	Cost of Plumbing/Sanitation Works (Schedule Items)	
4	Cost of Electric Works (Non-Schedule Items)	
	Total amount Rs.	

Bill of Quantity for						
CUBICAL OFFICES (ALUMINUM) AND REPAIR & RENOVATION WORKS AT CENTRE OF EXCELLENCE IN ARTS & DESIGN, MUET, JAMSHORO						
S. No.	**Schd. Item No.**	**Description**	**Unit**	**Quantity**	**Rate Rs**	**Amount Rs**
	Civil Work (Scheduled Items)					
2	5.5 I d	Pacca Brick work in Ground Floor Cement ratio 1:5	%Cft	586.13	12902.08	75,622.32
3	9.10 a	Cement plaster 1:3 upto 20' height. (Specs.25.1-25.6) a) 3/8" thick with round edge corners.	% Sft	1702.00	2225.12	37,871.54
4	9.13b	Cement plaster 1:6 upto 20' height. (Specs.25.1-25.6) a) 1/2" thick with round edge corners.	% Sft	1702.00	2206.60	37,556.33
8	8.38	Glazed tile dado 1/4" Thick laid in pigment over 1:2 cement sand mortar 3/4" thick including finishing.	%sft	2092.00	28299.30	592,021.36
10	9.24 b	Distempering (1st coat cover priming coat) Three coat As per specification or as directed by Engineer Incharge.	% st	1702.00	1043.90	17,767.18
	9.24 c	Distempering (1st coat cover priming coat) Two coat	% st	4982.00	1079.65	53,788.16
	2.33a	Removing of Door with Chowket.	Per No.	20.00	142.18	2,843.60
11	17.28	Providing and fixing G.I frames / Chowkhats of size 7"x2"for Window using 20 gauge G.I sheet i/c welded hinges and fixing at site with necessary hold fast filling with cement sand slurry and repairing the gabs the cost also i/c all carriages tools and plants used in making and fixing.	P.Rft	286.50	240.50	68,903.25

	10.7b	First Class deodar wood wrought joinery in door and window etc, fixed iun position including chowkats hold fasts hinges, iron tower bolts, chocks cleats, handles and cords with hooks etc Deodar paneled or paneled and glazed or fully glazed b) 1.75" thick	P.Sft	35.00	1273.76	44,581.60
	18.83 b	Aluminum Frame Supplying and fixing in position Aluminum channels framing for hinged doors or Alcop made with 5mm thick tinted glazing (Belgium) and (Alpha (Japan) locks i/e handle stoppers etc b) Deluxe model (Bronze) As per specification or as directed by Engineer Incharge.	P.Sft	1850.00	1507.66	2,789,171.00
	7.43	Providing & fixing false ceiling of thermopile in panels of required design and size including frame work of aluminum T-section hanged with nail wire to ceiling etc. completed.	P.Sft	2157.00	91.50	197,365.50
12	11.2	Scraping, Brushing and removing old paint from wood work.	% Sft	1576.50	151.25	2,384.46
13	9.37A+ 9.37B	A) Preparing the surface and painting with matt finish paint of approved make to old matt finish surface+ 2nd coat	% Sft	1576.50	1772.38	27,941.57
		Total amount of scheduled items Rs				3,947,817.86
		…….age % below/above on scheduled item Rs.				
		Total of Civil work scheduled Items Rs.				
	Plumbing Work (Scheduled Item)					

1	1-4 Page No.02	Providing and fixing European type white glazed earthen ware each basin WC pan complete with and i/e cost of white/black martie seek (best quality) and lid with CP brass hinges best quality and buffer. 03gallons plastic flushing eastern, with internal fitting with fittings and clamps 3/4" dia and cutting and making required number of holes in wall plinth and floor for pipe connection and making good in cement concrete 1:2:4	Each	2	5339.40	10,678.80
2	1-8 Page No.03	Providing and fixing 24"x18"lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I. or C.I. cantilever brackets 6 inches built into walls, painted white into two coats after primary coat of red lead paint, a pair of 1/2"dia. chrome plated taps, 1-1/2"dia. rubber plug & chrome platted brass chain 1-1/4"dia. malloable iron or e.p brass traps malloable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4 (Standard Pattern)	Each	2	4253.70	8,507.40
3	1-9 Page No.03	Add extra for labor for providing and fixing of earthen ware pedestal white or colored glazed (Standard Pattern)	Each	2	938.47	1,876.94
	2-2 page 7	Providing & Fixing C.P Brass toilet paper holder of standard size with crome plated brass bracket complete b) Superior Quality	Each	2	1071.40	2,142.80

	4-1I page 12	Providing G.I Pipes & special etc including fixing cutting and fitting complete with and i.c the cost of cutting trench upto 2-1/2 feet deep refitting water ramming & disposal of surplus earth with in one chain and painting two coats of bitumen paint to pipe & special after cleaning and hassian cloth soaked in a maxphalt composition wrapped tightly round pipes & testing to a pressure head of 200 feet and handling. I) 1/2" Dia G.I pipe	R.Ft	100	73.21	7,321.00
	4-2I page 12	Add Extra labour for concealed G.I. pipe fitting including making recess in wall for pipe & making good in cement mortar etc I) 1/2" Dia	Rft	100	7.82	782.00
	6-1 Ib	Supplying & Fixing Brass bib-cock of superior quality with c.p head 1/2" dia.	Each	2	337.92	675.84
	6-4 B I	Providing & Fixing full way gun metal valves with wheels. Threaded or flanged ends with rubber washing 1/2". Standard Pattern	Each	2	161.92	323.84
	6-8 page 18	Making connection with the existing G.I. pipe up to 2"dia. Including cutting the pipe and providing and fixing necessary fittings.	Each	1	761.20	761.20
	2-3b page 7	Providing and fixing 24"X 18" beveled edge mirror of Belgium glass complete with 1/8"thick hard board and cp screws fixed to wooden pleat. (superior Pattern)	Each	2	2376.00	4,752.00
4	6-12 Page No. 18	a) supplying /Fixing concealed tee-stop cock of superior quality with c.p head 1/2" Dia.	Each	4	843.92	3,375.68
	6-16 Page No. 19	a) Supplying & fixing Swan type pillar cock of superior quality single. C.P. Head 1/2" dia	Each	2	795.30	1,590.60

	6-10 a Page No 18	Making Connection with public Health Mains For the house hold filling with M.S. Clamps socket screws etc complete. A) 3" Dia	Each	2	399.96	799.92
	6-10b Page No 18	Making Connection with public Health Mains For the house hold filling with M.S. Clamps socket screws etc complete. A) 3" Dia	Each	2	431.20	862.40
	6-22 Page No. 19	Supply & Fixing Bath room accessories set (7 Pieces including Towel rod, brush holder, soap tray, shelf of approved quality and design etc complete.	Each	2	8122.40	16,244.80
	6-19 a	Supplying & Fixing C.P. Muslim shower with double bib Cock & ring Pipe etc complete.	Each	2	3432.00	6,864.00
	9-1 Page 22	Providing & laying including setting and fitting C.I pipe in trenches and testing with water to pressure head of 200 ft a) 3" Dia	Rft	50	196.52	9,826.00
	9-1 Page 22	Providing & laying including setting and fitting C.I pipe in trenches and testing with water to pressure head of 200 ft a) 4" Dia	Rft	40	231.61	9,264.40
	9-2 Page 22	Providing & laying C.I standard 90Degrees bends in trench including testing with water to pressure head of 200 ft a) 3" Dia	Each	8	610.50	4,884.00
	9-2 Page 22	Providing & laying C.I standard 90Degrees bends in trench including testing with water to pressure head of 200 ft a) 4" Dia	Each	4	665.50	2,662.00
	9-2 Page 22	Providing & laying C.I standard Tees in trenches including testing with water to pressure head of 200 ft a) 3" Dia	Each	2	1364.00	2,728.00
	9-2 Page 22	Providing & laying C.I standard Tees in trenches including testing with water to pressure head of 200 ft a) 4" Dia	Each	2	1996.50	3,993.00

5	I-1 page 24	Gully Trap Providing & Fixing 6" x 4" C.C Gully trap with 4" outlet complete with 4" thick 1:2:4 C.C. for bed & 1/2" thick cement plaster (1:3) to Karb, C.I grating 6" x 6" & C.I cover and frame 12" x 12" (inside) etc complete. i) With C.I Cover Trap 6" x 6" x 4"	Each	2	1193.17	2,386.34
		Sub Total of plumbing Work Scheduled items Rs.				103,302.96
		……..% below/above on scheduled item Rs.				
		Total of Plumbing Work scheduled Items Rs.				
	Electric Item (Scheduled Item)					
	S.Head II 129 page Nop.15	WIRING FOR LIGHT OR FAN POINT Wiring for light or fan point with 1/1.13 (3/0.029") PVC insulated wire in 20mm(3/4") Channel patti on Surface as required	P.Point	120	910.00	109,200.00
	S.Head I A3 page No.1	POWER CABLE 7/0.029 Wiring for mains with 2-7/0.029 wire 660 volts grade, in 3/4" PVC conduit as required.	Per Mtr	300	171.00	51,300.00
	S.Head XI 218 page No.33	Providing and fixing one way SP 10/15amps switch surface tyre covered with plastic sheet.	P.Point	120	58.00	6,960.00
	S.Head XI 227 page No.33	Providing and fixing three pin 10/15 amps Plug Socket prepared Board recessed in wall or columns and covered with plastic sheet.	P.Point	15	162.00	2,430.00
	S.Head II 129 page No.15	WIRING FOR CALL BELL Wiring for call bell with 1/1.13 (3/0.029") PVC insulated wire in 20mm(3/4") Channel patti on Surface as required	P.Point	10	910.00	9,100.00
		Sub Total amount Rs				**179,975.00**
		……..% Below/above on scheduled items				
		Total of Electric work scheduled items Rs.				
	Electric work Non Scheduled Items					
	Energy Saver 25 watt Philips made or equaling		Nos	25		
	Providing fixing Superior Quality LED Light of 16 watts fixing in False ceiling as per approved sample		Nos	40		
	Providing fixing Superior Quality LED Light of 8 watts fixing in False ceiling as per approved sample		Nos	16		

	Bracket Fan Superior Quality 18" Pak fan or equaling fixing in wall	Nos	25		
	Providing & Fixing Exhaust Fan of Superior Quality 12" Fixing in Aluminum Glass	Nos	8		
	Providing and fixing A.C. or D.C. electric buzzer 220/250 volts.	Nos	10		
	Providing and fixing flush type electric bell push button	Nos	10		
	Total amount Electric Items Non Scheduled Items Rs.				