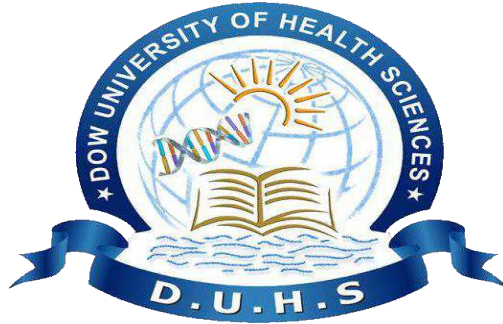


**DOW UNIVERSITY OF HEALTH SCIENCES,
KARACHI**



**TENDER
DOCUMENT**

TITLE OF THE JOB

**MAINTENANCE & REPAIR OF DMC CAMPUS, DUHS, KARACHI
REF NO: DUHS/W&S-NIT/2021/079**

SINGLE STAGE- TWO ENVELOPE

**NIT # DUHS/W&S/2021/560
DATED: NOV 19, 2021**

**OFFICE OF PROJECT DIRECTOR WORKS & SERVICES
DOW UNIVERSITY OF HEALTH SCIENCES,
BABA-E-URDU ROAD, BESIDES CIVIL HOSPITAL, KARACHI
TEL / FAX # 021-99216065
E-MAIL: rahim.khan@duhs.edu.pk**

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LETTER OF BID TECHNICAL PROPOSAL

[Location, Date]

To (Name and address of Client / DUHS)

Dear Sir,

We, the undersigned, offer to provide the (insert title of assignment) in accordance with your IFB / NIT / Tender Document No. (insert number) dated (insert date) and our Proposal. We are hereby submitting our Proposal, which includes the Technical and Financial Bids sealed in one envelope.

Having examined the bidding documents including Addenda / Corrigendum Nos. [insert numbers & Date of individual Addendum / Corrigendum] , the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and deliver the WORKS / SERVICES / GOODS under the above-named Contract in full conformity with the said bidding documents and at the rates/unit prices described in the price schedule or such other sums as may be determined in accordance with the terms and conditions of the Contract. The amounts are in accordance with the Price Schedules attached herewith and are made part of this bid. We undertake, we have no reservation to these Bidding Documents.

We undertake, if our bid is accepted, to deliver the Works / Services / Goods in accordance with the delivery schedule specified in the schedule of requirements. If our bid is accepted, we undertake to provide a performance security/guaranty in the form, in the amounts, and within the times specified in the bidding documents. We agree to abide by this bid, for the Bid Validity Period specified in the Bid Document and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period. Until the formal final Contract is prepared and executed between us, this bid, together with your written acceptance of the bid and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive, not to give any reason for rejection of any bid and that you will not defray any expenses incurred by us in bidding. We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in Pakistan. We confirm that we comply with the eligibility requirements of the bidding documents.

We also confirm that the any Government organization (Federal / Provincial / Local) has not declared us, or any, ineligible on charges of engaging in corrupt, fraudulent, collusive or coercive practices. We furthermore, pledge not to indulge in such practices in competing for or in executing the Contract, and we are aware of the relevant provisions of the Proposal Document.

We understand you are not bound to accept any Proposal you receive.

Authorized Signature [In full and initials]:

Name and Title of Authorized Signatory:

Name of Bidder:

Stamp / Seal:

LETTER OF BID
FINANCIAL PROPOSAL

[Location, Date]

To (Name and address of Client / Competent Authority (DUHS))

Dear Sir,

We, the undersigned, offer to provide the **(Insert title of assignment)** in accordance with your IFB / NIT / Tender Document No. **(insert number)** dated **(insert date)** and our Technical Proposal. Our attached Financial Proposal is for the sum of **(insert amount in words and figures)**. This amount is inclusive of all taxes, duties, levies, Cess, Octori etc.

Our Financial Proposal shall be binding upon us up to expiration of the validity period of the Proposal.

No commissions or gratuities have been or are to be paid by us to agents relating to this Bid / Proposal and Contract execution.

We also declare that the any Government organization (Federal / Provincial / Local) has not declared us or any Sub-Contractors for any part of the Contract, ineligible on charges of engaging in corrupt, fraudulent, collusive, or coercive practices. We furthermore, pledge not to indulge in such practices in competing for or in executing the Contract, and are aware of the relevant provisions of the Proposal Document.

We understand you are not bound to accept any Proposal you receive.

Authorized Signature [In full and initials]:

Name and Title of Authorized Signatory:

Name of Bidder:

Stamp / Seal :

BIDDING DATA

The following specific data for the Works / Services / Goods to be procured shall complement, supplement, or amend the provisions in the terms & conditions of the bidding documents. Whenever there is a conflict, the provisions herein shall prevail over those in terms & conditions of the bidding documents.

1	Name of Procuring Agency:	Dow University of Health Sciences, Karachi
2	Brief Description of Works:	“Maintenance & Repair of DMC Campus , DUHS, Karachi”
3	Procuring Agency’s address:	Project Director Works & Services, Dow University of Health Sciences, Baba-e-Urdu Road, Besides Civil Hospital, Karachi.
4	Amount of Bid Security:	2% amount in Shape of Deposit at Call or Pay Order or Demand Draft or a Bank Guarantee in favor of Dow University of Health Sciences, Karachi issued by a scheduled bank in Pakistan.
5	Amount of Performance Security	10% of the Contract price. Total amount including performance security and retention money deducted from bills 5% of contract price stated in Letter of Acceptance.
6	Period of Bid Validity (days):	90 Days
7	Percentage of Retention Money	10% of the amount of the Interim / Running Payment Certificate.
8	Venue, Time, and Date of Bid Opening:	As notified in NIT
9	Deadline for Submission of Bids along with time:	As notified in NIT
10	Currency of Bid.	Pakistani Rupees
11	Time for Furnishing Program	Within 14 Days from the date of receipt of Letter of Acceptance.
12	Time of Commencement	Within 07 days from the date of receipt of Project Director’s Notice to Commence, This shall be issued after signing of Contract Agreement.
13	Time of Completion of Works	12 Months days from the date of Notice to Commence.
14	Amount of Liquidity Damages/ Delay Damages / Penalties	0.1% per day of Contract Price for the work remains un-commenced and un-completed after due date up to maximum of 10% of Contract price and after that termination of contract after 07 days’ notice.
15	Defect Liability Period/ Period of Maintenance	90 days from the effective date of Taking over / Completion Certificate.

**Signature of Contractor /Seal of Firm
Authorized representative of Firm**

INSTRUCTIONS TO BIDDERS

- 1 The tender for each work should be in the sealed envelope bearing name of the work contractor / firm clearly marked and addressed to Project Director, Works & Services, Dow University of Health Sciences, Karachi.
- 2 The tender may be delivered in person or sent by registered mail so as to reach on or before the date and time stated above. Any tender received after the stipulated time will not be considered regardless of the cause of delay.
- 3 All tenderers are invited to the present for the opening of the tenders on dated: **16-12-2021** at 11:30 a.m. The name of each tenderer and his total contract price along with bid security / earnest money amount only will be read aloud and recorded.
- 4 Any tender/tenders without required bid security / earnest money will not be entertained. Bid Security / Earnest money of the awarding firm may be return after successful Contract documents process. If the supplier fails to commence or complete the awarded work within the stipulated time his/her work order will be cancelled as per rule and bid security / earnest money shall also be forfeited.
- 5 Detailed particulars of the work / works can be seen in the Project Director Office on any working day during the office hours.
- 6 Tender shall be made in the BOQ supplied therefore, with all items and blanks properly filled in. all data and figures and the signature of persons signing the tender shall be in indelible ink. The completed BOQ should be without interlineations, alterations or erasures but if these are necessary to correct errors made by the tenderer, person(s) signing the tender shall initial them. Conditional tenders will not be accepted.
- 7 All unit prices filled in the schedule of quantities shall be firm. The unit prices against each item of work and estimate amount and all other data called for shall be given.
- 8 All prices quoted shall be deemed to include all costs of performing the works, including labour, material, duties, cess, octori charges, royalties permit etc. and **all [Provincial & Federal applicable taxes including Income Tax, Sindh Sales Tax, GST and other taxes, (if any)]** no claim whatsoever shall be accepted in quoted prices during the currency of work.
- 9 The actual sum to be paid to the contractor whose tender is accepted shall be determined by measuring the work actually done or supplying/repairing the actual number of items in accordance with the work order and valuing it all the rate or prices by the contractor in the tender.
- 10 All works shall be measured by standard instruments according to the rules.
- 11 Bidders shall provide evidence of their eligibility as and when requested by the Procuring Agency.
- 12 Prior to the detailed evaluation of bids, the Procuring Agency will determine whether the bidder fulfills all basic codal requirements 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 documents. If the bidder does not fulfill any of these conditions, it shall not be evaluated further.
- 13 Bids determined to be substantially responsive shall be checked for any arithmetic errors. Arithmetical errors shall be rectified on the following basis.
- 14 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.

- 15 Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.
- 16 “In-case of discrepancy between the unit price and amount entered for any item in the schedule of quantities, the unit price will be taken as correct and the amount will be adjusted accordingly when the tender is being examined”.
- 17 10 % security deposit will be deducted from each bill on the paid amount of the contract, which will be returned after maintenance period i.e. 90 days from the effective date of taking over / completion certificate of work.
- 18 The tender must be signed in each and every page by a person(s) authorized to do so.
- 19 The site can be visited on any working day during the office hours.
- 20 “Engineer” means the Project Director, Works & Services of the University or any other Engineer appointed by him.
- 21 The bid security / earnest money will be forfeited in case the contractor fails to commence the work within 10 days’ time after issue of work order or left the work incomplete after commencement and during execution.
- 22 The Competent Authority reserve the right to reject any or all the tenders, increase or decrease the scope of work in accordance with the prevailing SPPRA Rules.
- 23 That the Contractor shall be responsible to keep in good condition the premises of the University and shall not damage any property belonging to student of the University and incase of any loss damage caused by the contractors or its employee to any property of the compensate and or indemnify the university or the student as the case may be.
- 24 **Clarification of Bidding Documents**
- (24.a) A prospective bidder requiring any clarification(s) in respect of the Bidding Documents may notify the Engineer/Employer at the Employer’s/Engineer’s address indicated in the Bidding Data.
- (24.b) The Engineer/Employer will respond to any request for clarification which it receives earlier than five (05) days prior to the deadline for the submission of Bids. Copies of the Engineer/Employer’s response will be forwarded to all prospective bidders, who have received the Bidding Documents including a description of the enquiry but without identifying its source.
- 25 **Amendment of Bidding Documents**
- 25.1 At any time prior to the deadline for submission of Bids, the Employer may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.
- 25.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause. hereof, and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Employer.

26 Language of Bid

The bid prepared by the bidder and all correspondence and documents relating to the Bid, exchanged by the bidder and the Employer shall be written in the English language, provided that any printed literature furnished by the bidder may be written in another language so long as accompanied by an English translation of its pertinent passages in which case, for purposes of interpretation of the Bid, the English translation shall govern.

27 Documents Comprising the Bid

The bid prepared by the bidder shall comprise the following components:

- (a) Covering Letter
- (b) B.O.Q. duly filled, signed and sealed, in accordance with Clause 32-c.
- (c) Bid duly filled and initialed, in accordance with the instructions contained therein & in accordance with Sub-Clause 32-c.
- (d) Bid Security furnished in accordance with Clause 31.
- (e) Power of Attorney in accordance with Sub-Clause 32-e.
- (f) Documentary evidence in accordance with Clause 30

28 Sufficiency of Bid

- a. Each bidder shall satisfy himself before Bidding as to the correctness and sufficiency of his Bid and of the rates and prices entered in the Schedule of Prices, which rates and prices shall except in so far as it is otherwise expressly provided in the Contract, cover all his obligations under the Contract and all matters and things necessary for the proper completion of the Works.
- b. The bidder is advised to obtain for himself at his own cost and responsibility all information that may be necessary for preparing the bid and entering into a Contract for execution of the Works.

29 Bid Prices, Currency of Bid and Payment

- a. The bidder shall fill up the B.O.Q. indicating the unit rates and prices of the Works to be performed under the Contract. Prices in the B.O.Q. shall be entered keeping in view the instructions contained in the Preamble to B.O.Q.
- b. Unless otherwise stipulated in the Conditions of Contract, prices quoted by the bidder shall remain fixed during the bidder's performance of the Contract and not subject to variation on any account.
- c. The unit rates and prices in the B.O.Q. shall be quoted by the bidder in the currency as stipulated in Bidding Data.

30 Documents Establishing Bidder's Eligibility and Qualifications

- a. Pursuant to Clause 27, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.
- b. Bidder/Manufacturer must possess and provide evidence of its capability and the experience as stipulated in Bidding Data and the Qualification / Evaluation Criteria stipulated in the Bidding Documents.

31 Bid Security

- a. Each bidder shall furnish, as part of his bid, at the option of the bidder, a Bid Security in the amount stipulated in Bidding Data in Pak. Rupees in the form of Deposit at Call or Pay Order or Demand Draft or a Bank Guarantee issued by a Scheduled Bank in Pakistan in favour of the Employer valid for a period up to twenty-eight (28) days beyond the bid validity date.
- b. Any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer as non-responsive.
- c. The bid securities of unsuccessful bidders will be returned upon award of contract to the successful bidder or on the expiry of validity of Bid Security whichever is earlier.
- d. The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security, pursuant to Clause 38 and signed the Contract Agreement, pursuant to Sub-Clauses 37-b & 37-c.
- e. The Bid Security may be forfeited:
 - i. if a bidder withdraws his bid during the period of bid validity; or
 - ii. if a bidder does not accept the correction of his Bid Price, pursuant to Sub-Clause 34-d hereof; or
 - iii. in the case of a successful bidder, if he fails to:
 1. Furnish the required Performance Security in accordance with Clause 38, or
 2. Sign the Contract Agreement, in accordance with Sub-Clauses 37-b & 37-c.

32 Validity of Bids, Format, Signing and Submission of Bid

- a. Bids shall remain valid for the period stipulated in the Bidding Data after the date of bid opening.
- b. All Schedules to Bid are to be properly completed and signed.
- c. No alteration is to be made in the B.O.Q. except in filling up the blanks as directed. If any alteration be made or if these instructions be not fully complied with, the bid may be rejected.
- d. Each bidder shall prepare Original and number of copies specified in the Bidding Data of the documents comprising the bid as described in Clause 27 and clearly mark them "ORIGINAL" and "COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.
- e. The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign (in the case of copies, Photostats are also acceptable). This shall be indicated by submitting a written Power of Attorney authorizing the signatory of the bidder to act for and on behalf of the bidder. All pages of the bid shall be initialed and official seal be affixed by the person or persons signing the bid.
- f. The Bid shall be delivered in person or sent by registered mail at the address to Employer as given in Bidding Data.

33 Deadline for Submission, Modification & Withdrawal of Bids

- a. Bids must be received by the Employer at the address/provided in Bidding Data not later than the time and date stipulated therein.
- b. Bids submitted through telegraph, telex, fax or e-mail shall not be considered.
- c. Any bid received by the Employer after the deadline for submission prescribed in Bidding Data will be returned unopened to such bidder.
- d. Any bidder may modify or withdraw his bid after bid submission provided that the modification or written notice of withdrawal is received by the Employer prior to the deadline for submission of bids.
- e. Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security pursuant to Sub-Clause 31-e.

34 Bid Opening, Clarification and Evaluation

- a) The Employer will open the bids, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the Bidding Data.
- b) The bidder's name, Bid Prices, any discount, the presence or absence of Bid Security, and such other details as the Employer at its discretion may consider appropriate, will be announced by the Employer at the bid opening. The Employer will record the minutes of the bid opening. Representatives of the bidders who choose to attend shall sign the attendance sheet.

Any Bid Price or discount which is not read out and recorded at bid opening will not be taken into account in the evaluation of bid.

- c) To assist in the examination, evaluation and comparison of Bids the Engineer/Employer may, at its discretion, ask the bidder for a clarification of its Bid. The request for clarification and the response shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted.
- d) Prior to the detailed evaluation, pursuant to Sub-Clauses 34-g to 34-i, the Engineer/Employer will determine the substantial responsiveness of each bid to the Bidding Documents. For purpose of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviations. It will include to determine the requirements listed in Bidding Data.

- (i) Arithmetical errors will be rectified on the following basis:

If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a discrepancy between the Total Bid price entered in Form of Bid and the total shown in Schedule of Prices-Summary, the amount stated in the Form of Bid will be corrected by the Employer in accordance with the Corrected Schedule of Prices.

If the bidder does not accept the corrected amount of Bid, his Bid will be

rejected and his Bid Security forfeited.

- e) A Bid determined as substantially non-responsive will be rejected and will not subsequently be made responsive by the bidder by correction of the non-conformity.
- f) Any minor informality or non-conformity or irregularity in a Bid which does not constitute a material deviation may be waived by Employer, provided such waiver does not prejudice or affect the relative ranking of any other bidders.
- g) The Engineer/Employer will evaluate and compare only the bids previously determined to be substantially responsive pursuant to Clauses 34-d to 34-f as per requirements given hereunder. Bids will be evaluated for complete scope of works. The prices will be compared on the basis of the Evaluated Bid Price pursuant to Clause 34-a herein below.

i) Technical Evaluation

It will be examined in detail of the Works offered by the bidder complies with the Technical Provisions of the Bidding Documents. For this purpose, the bidder's data submitted with the bid in B.O.Q. to Bid will be compared with technical features/criteria of the Works detailed in the Technical Provisions. Other technical information submitted with the bid regarding the Scope of Work will also be reviewed.

ii) Financial Evaluation

It will be examined in detail whether the bids comply with the Financial /contractual conditions of the Bidding Documents. It is expected that no material deviation/stipulation shall be taken by the bidders.

h) Evaluated Bid Price

In evaluating the bids, the Engineer/Employer will determine for each bid in addition to the Bid Price, the following factors (adjustments) in the manner and to the extent indicated below to determine the Evaluated Bid Price:

- (i) Making any correction for arithmetic errors pursuant to Sub-Clause 34-d hereof.
- (ii) Discount, if any, offered by the bidders as also read out and recorded at the time of bid opening.

35 Post Qualification

- a) The Employer, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided that such qualification shall only be laid down after recording reasons therefor in writing. They shall form part of the records of that bid evaluation report.

- b) The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidders' qualifications submitted under Clause 30, as well as such other information required in the Bidding Documents.

36 Award Criteria & Employer's Right

- a) Subject to Clause 36-b, the Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who

has offered the most advantageous evaluated Bid Price, provided that such bidder has been determined to be qualified to satisfactory perform the Contract in accordance with the provisions of Clause 35.

- b) Notwithstanding Clause 36-a, the Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation to inform the affected bidders of the grounds for the Employer's action except that the grounds for its rejection of all bids shall upon request be communicated, to any bidder who submitted a bid, without justification of the grounds. Notice of the rejection of all the bids shall be given promptly to all the bidders.

37 Notification of Award & Signing of Contract Agreement

- a) Prior to expiration of the period of bid validity prescribed by the Employer, the Employer will notify the successful bidder in writing ("Letter of Acceptance") that his bid has been accepted.
- b) Within seven (7) days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Employer will send the successful bidder the Form of incorporating all agreements between the parties.
- c) The formal Agreement between the Employer and the successful bidder shall be executed within seven (7) days of the receipt of Form of Contract Agreement by the successful bidder from the Employer.

38 Performance Security

- a) The successful bidder shall furnish to the Employer a Performance Security in the form and the amount stipulated in the Conditions of Contract within a period of fourteen (14) days after the receipt of Letter of Acceptance.
- b) Failure of the successful bidder to comply with the requirements of Clauses 37-b & 37-c or Clause 38-a or Clause 39 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

39 Integrity Pact

The Bidder shall sign and stamp the Form of Integrity Pact provided at **Schedule-F** to Bid in the Bidding Document for all Federal Government procurement contracts exceeding Rupees ten (10) million. Failure to provide such Integrity Pact shall make the bid non-responsive.

PROJECT DIRECTOR
Works & Services Department
Dow University of Health Sciences, Karachi

DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI
DIRECTORATE OF WORKS & SERVICES
TERMS & CONDITIONS

1. The work should commence within 10 days from the date of letter of award
2. Inspection: Engineer In-charge will make Inspection of Work.
3. 0.1% per day LD shall be imposed, but not more than 10% of contract value in case of late delivery / late completion of work.
4. Quantities shown in the quotation are approximate and no claim shall be entertained for quantities of executed being more or less than those entered in the BOQ.
5. All prices will include all costs of performing the works, including labour, material, duties, cess, octori charges, royalties permit & transportation etc., as mentioned in BOQ and all Provincial & Federal applicable taxes including Income Tax, Sindh Sales Tax, GST and other taxes, (if any).
6. No subletting of all or any part of work will be allowed at any cost / reasons.
7. The contractor will see the site / sample before quoting the rates.
8. If the work / supply is not found according to the specifications or given samples, the same will be rejected at risk and cost of the contractor. In case of contractor fails to work / supply the order, the firm will be blacklisted.
9. Payment
 - A. supplied valuing it at the rates/prices quoted in the approved quotations.
 - B. 10% security deposit will be retained from each bill upto a period of (03) three months from the date of supply of order.
 - C. Payment will be made as per actual / verifiable work one.
10. Request letter for issuance of tender documents should be supported with:
 - A. Copy of SST & NTN registration Certificate and PEC Registration.
 - B. Valid registered License from Electrical Inspector, Government of Sindh (Karachi Region).
 - C. Copies of all relevant Certificate/Authorization letter must be attached (where required) mentioned with Tender Enquiry.
11. The bidder must have done at least three (03) contracts of similar nature and magnitude and complexity for which these bids have been invited (Please submit copy of PO / Contract Agreement / Notification of Award).
12. The Bidder should not have been barred of any of provincial or federal Govt. Deptt. Agency, organization or autonomous body or private sector organization anywhere in Pakistan. (Submission of undertaking on 100/- legal stamp paper). All the proposed reports should be well known for its quality, performance and reliability.
13. The bidder's must have at least average annual turnover during the last 3 years should not be less than the relevant PEC Category requirements as reflected at Clause 10(a) above.

QUALIFICATION CRITERIA

S#	QUALIFICATION CRITERIA	REQUIREMENT	YES	NO
1	Original Tender Purchase Receipt / Pay Order of Tender fee	Mandatory		
2	Technical Proposal on Bidder's Letterhead duly signed and stamped	Mandatory		
3	Valid P.E.C Certificate of C-5 & above Category	Mandatory		
4	Complete Bidding document, duly signed and stamped on its each / every page as acceptance of all terms and conditions	Mandatory		
5	Compliance to Bid validity period	Mandatory		
6	Valid NTN Certificate	Mandatory		
7	Valid Income Tax (FBR) Registration with Active Tax Payer Status on FBR Website	Mandatory		
8	Valid Sindh Sales Tax (S.S.T-SRB) Registration with active Tax payer status on SRB Website	Mandatory		
9	Copy of C.N.I.C of Signatory of the Bid Form	Mandatory		
10	Electrical Inspector License (Karachi)	Mandatory		
11	Affidavit on stamp paper of Rs.100/- duly notarized to the effect that: a) The Bidder is neither blacklisted nor suspended by any Provincial and Federal Govt. b) Any Director or owner of the bidding company is not awarded any punishment from any Court of Law. c) Bidder has submitted the correct and complete information along with the Bid/Offer. If any document / information is found forged / engineered / fake / bogus at any stage, the bidder may be declared as blacklisted in accordance with law and the performance guarantee and payment, if any may be forfeited	Mandatory		
12	Income Tax returns Minimum for Last three (03) years	Mandatory		
13	Projects of similar nature and complexity Completed in last three (03) years. (With Documentary evidence) (minimum two (02) project in last three (03) years)	Mandatory		
14	The Bid form on Bidder's Letterhead duly signed and stamped shall be inserted in the Financial Proposal. However, a copy of the same shall be attached in the Technical Proposal after hiding the amount.	Mandatory		
15	The Price Schedule(s) on Bidder's Letterhead duly signed and stamped shall be inserted in the Financial Proposal. However, a copy of the same shall be attached in the Technical Proposal after hiding the amount.	Mandatory		
16	Bid Security shall be inserted in the Financial Proposal. However, a copy of the same shall be attached in the Technical Proposal after hiding the amount.	Mandatory		
17	Company Profile	Mandatory		

BID EVALUATION CRITERIA

- a) THE BIDS SHALL BE EVALUATED ON MOST ADVANTAGEOUS BID BASIS.
- b) The bids not responsive to the MANDATORY QUALIFICATION CRITERIA provided in Tender's Documents shall not be eligible for further Technical Evaluation.
- c) Conditional Bids, Alternate / J.V / Consortium Bids, Telegraphic Bids, Bids not accompanied by Bid Security of required amount and form, bids received after specific date and time and bids of Black Listed firms shall be treated as rejected / non-responsive.
- d) Bids are invited as per Single Stage - Two Envelope Procedure in accordance with sub rule 2 of rule 46 of the Sindh Public Procurement Rules, 2010 (Amended upto date). In case, any bidder encloses the financial bid within the technical bid, the same shall be rejected summarily.
- e) The following merit point system for weighing evaluation factors / criteria will be applied for technical bids / proposals. Bidders achieving minimum 70% marks will be qualified and considered only for further process / evaluation besides compliance of all mandatory clauses. Documentary evidence must be attached in support of your claim.

S#	Description	Max Marks	Individual Marks	Marks Obtain	
A) GENERAL EXPERIENCE					
1	Projects of similar nature and complexity Completed in last ten years.	35	15		
1.1	Completed at least 3 Projects of Similar Nature in last ten years. for each project 5 marks				
2	Projects of similar nature and complexity in-hand during last ten years.		5	10	
2.1	In Hand at least 2 Projects of Similar Nature in last years. for each project 5 marks				
3	Maintenance works carried out during last five years by the Contractor.			5	5
3.1	Completed at least 5 Projects of Similar Nature in last five years. for each project 1 marks				
4	Enlistment record with Government Organizations & other agencies		5	5	
4.1	Enlistment of five different Government Organizations & other agencies for each enlistment 1 marks				
	Total Marks		35		
B) PERSONNEL CAPABILITIES					
5	B.Sc. Engineers registered with Pakistan Engineering Council (PEC)	15	9		
5.1	Experience: if the individual experience of at least of B.Sc. Engineers (professional) is equal to 5 years or above. for each Engineer 3 marks				

S#	Description	Max Marks	Individual Marks	Marks Obtain
6	Associates Engineers (DAE)			
6.1	Experience: if the individual experience of at least of Associates Engineers (DAE) is equal to 3 years or above. for each Associates Engineers (DAE) 2 marks		6	
	Total Marks		15	
C) EQUIPMENT CAPABILITY				
7.1	Pickup Vehicle for transportation of material for each 1 Mark	20	2	
7.2	Hilti Machine for each 1 Mark		1	
7.3	Plate Compactor for each 1 Mark		2	
7.4	Vibrator for Concretes for each 1 Mark		2	
7.5	Shuttering Wooden / Steel with Scaffolding (Min. 5,000 Sft.)		2	
7.6	Concrete Mixer Machine (1 Bag) for each 1 Mark		2	
7.7	Wheel barrow (Trolley) with Wooden Planks		1	
7.8	Wooden Ladders with Planks for Internal Scaffolding		2	
7.9	Diesel Water Pumps for Pumping out Water 3" Dia or more		1	
7.10	Marble / Mosaic Grinding & Polishing Machine		2	
7.11	Water Bouzer (Tanker) 1000 Lit.		1	
7.12	Power Generator 20Kva		2	
	Total Marks		20	
D) FINANCIAL SOUNDNESS				
8.1	Average annual turnover during last three (03) years determine through Income tax returns. a) 100M or above b) 75M or above c) 50M or above	30	20	
			15	
8.2	Total Assets up-to the last fiscal year supported with FBR-ITR a) 50M or above b) 30M or above c) 20M or above		10	
			07	
			05	
	Total Marks		30	
NOTE:				
The Bidder must meet the minimum requirements mentioned shall be made on minimum requirements of 50% score in each category.				

- f) Technically qualified/successful bidder(s) shall be eligible for Financial Proposal(s). The Financial bids shall be opened in the presence of the Bidders at the scheduled date, time and venue communicated in advance.
- g) Only those Financial Proposals will be announced / considered which were technically qualified by the Committee. Therefore, bidders are advised to give separate sealed envelope (s) of every quoted item / Lot and should mention the name of the item and tender serial number on the front of the sealed envelope in BOLD and legible letters to avoid confusion, otherwise, the Financial Proposal Envelope will be opened on qualified item basis and it will not be challenged by the bidder that procuring agency has opened the Financial Proposal of the disqualified items besides qualified items.
- h) Financial Bids / Proposals of Technically disqualified / rejected bidders will not be opened and sealed envelope shall be returned to the bidder.

- i) Bids not accompanied by the Bid Security of required amount and form shall be rejected.
- j) Procuring Agency shall not be responsible for any erroneous calculation of taxes and all differences arising out shall be fully borne by the Successful Bidder.
- k) Marks obtained in the detailed technical evaluation will be carried forward and prorated. Tender will be awarded to the Responding Organization with maximum accumulative points (Technical Score + Financial Score).
- l) The formula for technical scoring is "Technical Marks / Score = Total Technical Marks of the respective bidder x 0.7".
- m) The formula for financial scoring is that the lowest bidder gets 30% Marks and the other bidders score 30 multiplied by the ratio of the lowest bid divided by the quoted price.

EXAMPLE:

TECHNICAL EVALUATION

The formula to calculate the technical points / marks / score of the bidder is given below:
 Technical Marks / Score = Total Technical Marks of respective bidder x 0.7" Solved Example of Financial Scoring:

Technical scoring out of 100 = 85
 Carried Forward & Prorated Technical scoring = 85 x 0.70"

FINANCIAL EVALUATION

The formula to calculate the Marks for the price by the bidders other than lowest bidder is given below:

"Financial Evaluation Score of individual quoted Product:
 = [Lowest quoted price of the item ÷ Next higher proposed price of the competing item] x Total Allocable financial score"

"Solved Example of Financial Scoring:

If the lowest quoted price of an item is Rs. 86/- the same lowest will obtain score as below:
 = $[86 \div 86] \times 30 = 30$
 = 30 marks being the lowest bidder for the quoted item

If the next higher quoted price of the same item is Rs. 105/- the marks obtained will be:
 = $[86 \div 105] \times 30 = 24.57$

If the next higher quoted price of the same items is Rs. 130/- the marks obtained will be:
 = $[86 \div 130] \times 30 = 19.84$ Marks and so on."

(INTEGRITY PACT)

**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC.
PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN
CONTRACTS WORTH RS. 10.00 MILLION OR MORE**

Contract No. _____ Dated _____

Contract Value: _____

Contract Title: _____

..... [name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Buyer:

Name of Seller/Supplier:

Signature:

Signature:

[Seal]

[Seal]

MAINTENANCE & REPAIR WORK AT DMC CAMPUS,
DUHS, KARACHI

COST OF SUMMARY

S. No.	Item of Work	Amount
1	CIVIL WORK	
	SCHEDULE RATES	
	NON-SCHEDULE RATES	
2	INTERNAL WATER SUPPLY & SANITARY FITTINGS	
3	INTERNAL SUI GAS FITTINGS	
4	INTERNAL ELECTRIFICATION	
5	DATA AND VOICE	
TOTAL AMOUNT		

CONTRACTOR
(SIGN & STAMP)

**MAINTENANCE & REPAIR WORK AT DMC CAMPUS
DOW UNIVERSITY OF HEALTH SCEINCES,
KARACHI**

SCHEDULE RATES

Sr #	Description Of Items	Quantity	RATE	Unit	G.S R.A AMOUNT
<u>PART 'A' CIVIL WORK :-</u>					
1	(SSR-CHAP-02-ITM-14) Dismantling of stone block masonry	1,500	11.34	P.Cft	17,010.00
2	(SSR-CHAP-02-ITM-19-c) Dismantling of Cement .Concrete Plain Ratio 1:2:4	450	33.28	P.Cft	14,976.00
3	(SSR-CHAP-02-ITM-20) Dismantling cement concrete reinforced separating reinforcement and straightening the same	500	54.45	P.Cft	27,225.00
4	(SSR-CHAP-02-ITM-53) Removing cement or lime plaster	8,500	1.21	P.Sft	10,285.00
5	(SSR-CHAP-01-ITM-18) Excavation in foundation of buildings, bridges and other structures as per required section, including dag belling, dressing filling around structure with excavated earth watering ramming& compacting etc complete in all respects as per specifications provided and instruction given by the Engineer Incharge. Lead up to 300 Feet & lift up to 6 feet as per instruction / directive / approval of Engineer Incharge. (i) In Ordinary Soil	425	3.18	P.Cft	1,351.50
6	(SSR-CHAP-04-ITM-05-i) Cement Concrete Plain including placing compacting finishing and curing complete (including screening and washing of stone aggregate without shuttering) Ratio 1:4:8 (S.I.No.5 h / P-18)	1,300	112.89	P.Cft	146,753.75
7	(SSR-CHAP-08-ITM-70) Applying chemical polishing on existing mosaic/ marble flooring / dado i/c cleaning, grinding with carbodium stones / san paper and applying chemical polishing as per requirement	1,200	36.6	P.Sft	43,920.00

8	(SSR-CHAP-11-ITM-9)	Bitumen coating to plastered or cement concrete surface.	4,500	7.78	Sft	35,014.05
9	(SSR-CHAP-04-ITM-6-a,i)	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering 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. (l) Ratio (1: 2: 4) 90 Lbs. Cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge	350	337.00	P.Cft	117,950.00
10	(SSR-CHAP-04-ITM-6-a,ii)	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering 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. (l) Ratio (1 : 1-1/2: 3)	250	349.00	P.Cft	87,250.00
11	(SSR-CHAP-04-ITM-05-f)	Cement Concrete Plain including placing compacting finishing and curing complete (including screening and washing of stone aggregate without shuttering) Ratio 1:2:4 (S.I.No.5 h / P-18)	225	144.29	P.Cft	32,465.81
12	(SSR-CHAP-04-ITM-05-h)	Cement Concrete Plain including placing compacting finishing and curing complete (including screening and washing of stone aggregate without shuttering) Ratio 1:3:6 (S.I.No.5 h / P-18)	750	125.95	P.Cft	94,462.50

13	(SSR- CHAP-08- ITM-73)	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 80 (mm) of city / quddra / cobble shape with natural colors, having strength b/w 5000 psi to 8500 psi l/c filling the joints with hill sand and laying in specified manner / pattern and design etc: complete.	1,800	223.97	Sft	403,146.00
TOTAL						1,031,809.61
_____ % Above / Below						
GRAND TOTAL						

NON-SCHEDULE RATES

Sr #	Description Of Items	Quantity	Rate	Unit	AMOUNT
<u>PART 'A' CIVIL WORK :-</u>					
1	Providing and laying Class 'D' 1:3:6 cement concrete solid block masonry set in 1:6 cement sand i/c minor reinforcement at concrete joints, racking of joints and curing, etc, complete. In Plinth & Floor Area (Minimum crushing strength 1300-lbs/PSI) as per instruction / directive / approval of Engineer Incharge	900		P.Cft	
2	Fabrication of Deformed Steel Bars, reinforcement for cement concrete work i/c cutting, bending, laying in proper position, making joints & fastenings etc complete. This rate includes cost of binding wire, over lapping, extra wastage, laboratory testing of steel and removing rust from bars. (Grade 60, Minimum Yield Strength 60000 Lbs / P.S.I. as per instruction / directive / approval of Engineer Incharge	5		P. Ton	
3	Cement Plaster in Ratio 1:6 (15 mm Thick) i/c floating coat of cement in proper design & profile on walls/beams & columns .This rate also i/c providing expanded metal at the joint of R.C.C. members and block masonry where as required etc complete in all respects as per specifications and drawings and approval of Engineer Incharge (i) 15 mm thick Internal / External	13,500		P.Sft	
4	Cement Plaster in Ratio 1:4 (13 mm Thick) i/c floating coat of cement in proper design and profile on walls, beams & columns etc complete in all respects as per specifications and drawings and approval of Engineer Incharge. (i) 13 mm thick Internal / External	13,500		P.Sft	
5	Providing and laying Topping of cement concrete (1:2:4) including surface finishing & dividing into panels as per instruction / directive / approval of Engineer Incharge. a) 3" thick b) 2" thick	14,600 3,750		P.Sft P.Sft	

6	<p>Providing and fixing in position Doors Shutter 1-1/2" thick Teak wood ply shutters (Partially glazed with frost glass where as required) over first class partal wood skeleton (Solid) styles and rails core of partal wood and Teak ply wood (3 ply) on both sides including hold fasts, hinges, iron tower bolts, handles and cleats with cord etc complete in all respects as per instruction / directive / approval of Engineer Incharge.</p> <p>a) 1-1/2" thick</p>	1250	P.Sft
7	<p>Providing & fixing Colour Crete to wall surface to provide, durable crust and aesthetics having thickness upto 1/2" with specified colour having water, fire³ and termite resistance over the base of 1/2 " thick cement plaster Ratio (1:4). as per instruction / directive / approval of Engineer Incharge</p>	7,725	P.Sft
8	<p>Applying 3 Coats of Plastic Bound Emulsion Paint i/c primary coat of chalk and preparing base surface and filling where as required as per requirement of Architecture Drawings and specifications etc complete in all respects as per directives of Engineer In charge.</p>	15,000	P.Sft
9	<p>Applying 3 Coats of Silk Matt Finishing with primary coat and preparing base surface and filling where as required as per requirement of Architecture Drawings and specifications etc complete in all respects as per directives of Engineer In charge.</p>	85,000	P.Sft
10	<p>P/Applying 3 Coats of Weather Shield Paint of superior quality i/c preparing base surface and filling etc complete in all respects as per directives of Engineer In charge</p>	9,560	P.Sft
11	<p>Preparing surface and oil painting Doors and Windows any type including edges (Iron or wooden or partially glazed) as per instruction / directive / approval of Engineer Incharge.</p>	4,500	P.Sft

12	<p>Providing fabricating and fixing light gauge structural steel in walls. Partition Walls, Roof Truss, Roof frames, bracings, columns etc. all framing element with C-Section having profile 89mm x41mm x 0.75mm thick (Manufactured by Framacad or Equivalent) GI Prime Quality Steel G550 with coating of Z-275 g/m2 conforming to ASTM A653 or equivalent hot dipped galvanized including imported approved quality screws for the connection of elements and all other part required for the fixing complete in all respect as per design / drawings and specification and as per instructions of the Project Manager / Project Engineer / Consultant.</p> <p>Measurement of covered area.</p>	1,650	P.Sft	
13	<p>Providing and fixing G.I. sheet chowkats of 18 gauge for doors i/c pouring C.C. 1:2:4 inside chowkat etc: complete in all respect as per instruction / directive / approval of Engineer Incharge.</p> <p>a) 2" x 9½"</p> <p>b) 2" x 7½"</p> <p>c) 2' x 13½"</p>	75 225 75	P.Rft P.Rft P.Rft	
14	<p>Providing and laying Class 'D' 1:3:6 cement concrete Solid Block Masonry wall 4" to 8" in thickness and above set in 1:6 cement sand mortar in ground floor superstructure i/c racking of joints and curing, etc, complete.(Minimum crushing strength 1300-lbs/P.S.I) as per instruction / directive / approval of Engineer Incharge.</p> <p>150 mm Thick</p> <p>200 mm Thick</p> <p>100 mm Thick</p>	3,000 1,250 1,750	P.Sft P.Sft P.Sft	
15	<p>Dismantling of Existing flooring / skirting i/c C.C layer and disposal of rubbish materials by mean of Tractor Trolley as per instruction / directive / approval of Engineer Incharge.</p>	2,750	P.Cft	

16	M / Fixing Teak Wood Chowkat size i/c hold fasts and fixing in block or brick masonry etc complete in all respects as per directives of Engineer Incharge. a) 7-1/2" x 2" b) 9-1/2" x 2" c) 11-1/2" x 2-1/4"	525 100 88	P.Rft P.Rft P.Rft
17	Turfing slops of banks or lawns with grass sods including ploughing laying, setting and watering turf got from within a distance of 5 miles and maintenance for 15 days. This rate also i/c cost of filling 3" Thick layer of BHALLU SAND where as required and the cost of manure etc complete in all respects as per instruction / directive / approval of Engineer Incharge.	3,250	P.Sft
18	Providing and Fixing upto 1-1/2" inches of thick approved Envicrete tiles / block (Size 16" x 8") Colored in wall at ground floor, over 1/2" or 3/4" inch thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles white cement slurry curing and cleaning etc. complete as per instruction / directive / approval of Engineer Incharge. (Envicrete / Megna crete tiles)	750	P.Sft
19	Providing and fixing C.P Brass Mortice Lock with Round Handle (Imported) as per instruction / directive / approval of Engineer Incharge.	50	Each
20	Providing and fixing C.P Brass Mortice Lock with Long Handle (Heavy Design Imported) as per instruction / directive / approval of Engineer Incharge.	30	Each
21	Providing and fixing Door Closer of approved & Design (Imported) as per instruction / directive / approval of Engineer Incharge.	60	Each
22	Providing and fixing Brass Tower Bolts as per instruction / directive / approval of Engineer Incharge. a) 6" Long. b) 8" Long c) 12" Long d) 18" Long	50 40 40 20	Each Each Each Each

23	Providing & Applying water proofing Membrane Korean PE canvas sheet on earth Filling in bed as per specification & instruction of Engineer.	750	P.Sft
24	Providing and Applying French polishing over wood work with liqueur base spirit polish and filling material etc complete in all respect as per instruction / directive / approval of Engineer Incharge.	8,500	P.Sft
25	Providing and Applying French polishing old wood over wood work with liqueur base spirit polish and filling material etc complete in all respect as per instruction / directive / approval of Engineer Incharge.	7,500	P.Sft
26	Providing and laying precast roof with girder 4"x9".of approved make & design as per instruction / directive / approval of Engineer Incharge.	2,250	P.Sft
27	Preparing surface and Applying water proofing chemical 1st primary coat of 26 AC 10/55 chemical and then heavy rich coat with canvas cloth and in last two coats of same chemical etc complete in all respects as per directives of Engineer Incharge.	7,333	P.Sft
28	Providing and spraying pesticide solution of approved manufacturer inside building line in 3 - stages i.e. in trenches, on floor base & all wood work etc, using "Agenda" or equivalent of Jaffer Brothers water mixed solution as per instruction / directive / approval of Engineer Incharge.	5,000	P.Sft
29	Providing & fixing mild steel louver door & window with angle framing chowkat 1-1/2" x 1-1/2" 6mm thick door framing 1/1/4" x 1/1/4" thick angle with mild steel sheet 16 swg for louver with all respect accessories, painting 3 coats as per instruction / directive / approval of Engineer Incharge.	300	P.Sft
30	Providing and Fixing picture railing with screwing and nails. Etc complete in all respects including French polishing as per instruction / directive / approval of Engineer Incharge.		
	a) 2"-1/2" x 1/2" thick Oak wood	250	P.Rft
	b) 2" x1/2" thick Oak wood	450	P.Rft

31	Providing & Fixing Imported Fixed Glass 8 m clear with necessary frame channel of Aluminum as per instruction / directive / approval of Engineer Incharge.	450		P.Sft
32	Providing and installation polished Entrance glass with fabricating and fixing standard S.S Channel (using standard section) as approved top & bottom the architect with approved quality bottom rails, brush finish as required, with sand blasting Complete with patch fitting, top & bottom locks (from ISEO, Geza or equivalent as approved). Contractor is required to provide joints between the panels with minimum 5mm thick clear silicon from Dow corning or other approved, as as per requirement of Architecture Drawings and specifications etc complete in all respects as per directives of Engineer In charge.	300		
33	Providing & Fixing Banko imported Hinge Machine as per instruction / directive / approval of Engineer Incharge.	45		Each
34	Providing & Fixing Stainless Steel push plate (JB Saeed) 6" x 8" for door as per instruction / directive / approval of Engineer Incharge.	25		Each
35	S/F in position Aluminum box channels framing (100 mm x 40 mm) for office chamber partitions i/c Aluminum hinged doors made (of approved make and design) with Aluminum Sheet 3 mm on bottom up to 300 mm height, 5 mm thick tinted frost glass glazed on remaining portion, imported Door Closer over Door and Alpha (Japan) locks including handles stoppers etc complete in all respects as per directives of Engineer Incharge. (Prime / Chawla or Equivalent)	525		P.Sft
36	S/F in position Aluminum box channels framing (100 mm x 40 mm) for Aluminum Doors made (of approved make and design) with Aluminum Sheet 3 mm on bottom up to 900 mm height , 5 mm thick tinted frost glass glazed on remaining portion (Belgium) , imported floor hinge two way pivot machine and Alpha (Japan) locks including handles stoppers etc complete in all respects as per directives of Engineer In charge. (Prime/ Chawela or Equivalent)	450		P.Sft

37	<p>S/F in position Aluminums channels framing (100mm x 40 mm) for sliding windows & ventilator with collar made (of approved make and design) with 5 mm thick tinted glass glazing (Belgium) and aluminum fly screen channel including handles stoppers & locking arrangements etc complete in all respects as per directives of Engineer In charge</p> <p>(Prime/ Chawla or Equivalent)</p>	980	P.Sft
38	<p>Supplying and fixing Steel grill of 1/2" x 1/2" square sold bar as per approved design (Weight 2.00 kg / Sq. ft. :) i/c Painting 2 coats of oil paint with one coat red oxide paint etc: complete in all respects as per specifications and drawings and approval of Engineer In charge.</p>	325	P.Sft
39	<p>Providing and fixing Printed Granite / Porcelain Tiles Flooring jointed in white cement and laid over bed of 1" to 2" thick grey cement concrete bed in ratio 1:2:4 i/c washing / filling of joints with white cement etc: complete in all respect (Imported Premium Quality costing Rs 2200 per meter or above) as per sample approved by Engineer etc complete as per instruction / directive / approval of Engineer Incharge.</p>		
a	Flooring	9,500	P.Sft
b	Wall Dado	3,500	P.Sft
c	6" Wide Wall Border	2,250	P.Rft
40	<p>Providing and fixing Printed Glazed Ceramic Tiles Flooring jointed in white cement and laid over bed of 1-1/2" thick grey cement sand mortar ratio 1:3 i/c washing / filling of joints with white cement etc: complete in all respect (Imported Premium Quality costing Rs 1600 per square meter or above) as per sample approved by Engineer etc complete.</p> <p>Wash Rooms Flooring</p>	2,540	P.Sft

41	<p>Providing and fixing Printed Glazed Ceramic Tile Dado/ Skirting i/c two layers of Printed Borders (2" to 4" Wide) jointed in white cement and laid over bed of 1/2" thick grey cement sand mortar ratio 1:3 i/c washing / filling of joints with white cement etc: complete in all respect. (Imported Premium Quality costing Rs 1600 per square meter or above). as per sample approved by Engineer etc complete.</p> <p>Wash Rooms Wall Dado</p>	3,250		P.Sft	
42	<p>Providing and fixing Roof Shade made of Fiber Glass Sheet 3 mm rest over frame structure of tubular pipe frame consisting of various pipes having sizes 38mm x 18mm, 18mm x 18mm and 25mm x 25mm (16 gauge) fixed with G.I pipe posts of 60 mm dia painted G.I pipes 10' high above ground and 2' buried under ground. This rate i/c all type of work such as cutting and fixing Fiber Sheet with tubular pipe frame fixing with nuts, bolts, bitumen washers etc complete in all respects i/c painting one coat of red oxide and two coats of enamel paint over metal iron work as per matching shade etc complete in all respects as per directives of Engineer Incharge</p>	1,650		P.Sft	
43	<p>Providing and fixing Cement Chequer Tiles Flooring (12"x12"x1" or above) jointed in white cement and laid over bed of 1/2" thick grey cement sand mortar ratio 1:3 i/c washing / filling of joints with white cement etc: complete in all respect (Premium Quality costing Rs 1600 per square meter or above) as per instruction / directive / approval of Engineer Incharge.</p>	450		P.Sft	
44	<p>P/F Decorative False Ceiling of first quality MDF Lassani boards of various thicknesses (3/4", 1/2" & 3/8") with wooden logs as per requirement of Architecture Drawings and specifications provided i/c decorative paint or French polish as required and also making excess for decorative false ceiling LED Lights etc complete in all respects as per directives of Engineer in charge.</p>	1200		P.Sft	
45	<p>Providing and fixing False Ceiling of gypsum sheet (2' x 2') in panels including making frame work of imported Aluminum 'T' Channels as per instruction / directive / approval of Engineer Incharge.</p>	15,500		P.Sft	

46	Providing and fixing Stone Coping (12"x 2") with lining of 2" Thick jointed in white cement and laid over bed of 1/2"thick grey cement sand mortar ratio 1:3 i/c washing / filling of joints with white cement etc: complete in all respect as per instruction / directive / approval of Engineer Incharge.	175	P.Rft
47	ACP Cladding Sheet, BRANDED, "I-Bond", Premium American Brand, FR "PVDF Coated" , Overall "4 mm" Thickness with "0.5 mm" Aluminum Skin on Front Side & 0.3 mm on Back Side & Polyethylene b/w Skins. KYNAR 500. PSB Test Passed. ISO & AusS Certified. 20 Years Shining Warranty. With Scaffolding & Electricity. Complete in all Respect with Fixing & Hardware Accessories as per instruction / directive / approval of Engineer Incharge.	2,250	P.Sft
48	Providing and fixing Printed Glazed Ceramic Hala Pattern Tiles (Size 8" x 8") on wall facing or in dado jointed in white cement and laid over bed of 1/2"thick grey cement sand mortar ratio 1:3 i/c washing / filling of joints with white cement etc: complete in all respect. (Premium Quality costing Rs 1000 per square meter or above) as per instruction / directive / approval of Engineer Incharge.	100	P.Sft
49	Providing & fixing wall cladding with M D F 1/2" thick board on both sides with back support with 3" x 1-1/2" Portal wooden frame with solignum treated, including 1/8 " thick oak ply cladding with making groove thick as per design drawing, approved polish finish three side (polish make by I.C.I approved or equivalent) etc complete in all respects as per directives of Engineer In charge.	650	P.Sft
50	P/F wooden cabinet 16" deep made up of frame of partal wood 2"x2" & shutter of chip board 3/4" with Formica on outer side i/c making drawn shelves etc: as per required colors catcher handle etc: as per required the cost also i/c T&P carriage from shop to site of work and fixing on wall with wooden Patti / breaker as directed by the Engineer Incharge.	1,150	P.Sft
51	Providing & fixing Graphic Wall Decorative Plaster to provide, Durable Crust and Acrylic Finish having thickness upto 13 mm with specified colour having water, fire3 and termite resistance over the base of 15mm thick cement plaster ratio (1:4) (upto 15' -0 height).	550	P.Sft

52	Provide and install in position 2mm to 3mm thick imported vinyl flooring in tile form of 12"x12" of approved quality and make, with good quality adhesive, complete in all respects or as approved by the Consultants / Engineer. as per instruction / directive / approval of Engineer Incharge.	2250		P.Sft	
53	Supplying & fixing window printed blinds (Horizontal / Vertical) with printed design and of approved colour i/c fixing in windows with necessary accessories.	450		P.Sft	
54	Providing, making and supplying Stainless Steel planter 16" dia and 20" high complete in all respect as per instruction / directive / approval of Engineer Incharge.	10		Each	
TOTAL NON SCHEDULE ITEM					

PART 'B' INTERNAL WATER SUPPLY & SANITARY FITTINGS

1	<p>Providing and fixing European water closet export quality Master or equivalent brand as approved sample with low down flashing cistern, connecting pipe and all accessories, filling, waste, traps, CP flexible pipe, T-stop cock as per approved sample of Master or equivalent brand with check nuts all joints plugging and screwing as necessary to the structure complete in all respect. as per instruction / directive / approval of Engineer Incharge.</p>	10	Each
2	<p>Providing and fixing Asian W.C (23" clear) Orisa type white or color glazed with low level flush tank/cistern connecting pipe and all accessories, filling, waste, traps, CP flexible pipe, T-stop cock as per approved sample of Master or equivalent brand with check nuts all joints plugging and screwing as necessary to the structure with pedestal etc. i/c making requisite number of hole in wall plinth and floor and making good in cement concrete 1:2:4. Complete in all respect and to the entire as per instruction / directive / approval of Engineer Incharge..</p>	10	Each
3	<p>Providing & fixing wash basin size 24" x 18" with wash basin mixture and pedestal with all accessories such as, basin mixer, tee stop cock with check nuts, CP flexible pipe, waste pipe, waste coupling, bracket set, etc. Complete including bottle trap, silicon sealant, all joint to service and drain, plugging and screwing as necessary to the structure, filling sleeve opening with non-shrink grout complete in all respect (Porta / Master or Equivalent) (Classic Model) as per instruction / directive / approval of Engineer Incharge.</p>	18	Each
4	<p>Providing and fixing vanity type with counter top Wash Basin with all accessories such as, basin mixer, tee stop cock with check nuts, CP flexible pipe, waste pipe, waste coupling, bracket set, etc. Complete including bottle trap, silicon sealant, all joint to service and drain, plugging and screwing as necessary to the structure, filling sleeve opening with non-shrink grout, and coated with epoxy. Complete in all respect (Porta / Master or Equivalent) (Classic Model) . as per instruction / directive / approval of Engineer Incharge.</p>	9	Each
5	<p>Providing & fixing Urinal including flushing cistern, tee stop cock etc complete in all respects (Porta / Marachi or Equivalent) (Classic Model) as per instruction / directive / approval of Engineer Incharge.</p>	8	Each

6	Supplying/Fixing White glazed Laboratory sink bowl of approved make and design (Standard Size) as per standard requirement i/c bolt kit brackets, c.p waste and waste pipe etc complete in all respects as per instruction / directive / approval of Engineer Incharge.	9	Each
7	Providing and fixing C.P Brass Double bib cock with Muslim Shower 1/2" dia (Master/Sonex or equivalent) as per instruction / directive / approval of Engineer Incharge.	5	Each
8	Providing and fixing C.P Brass Fancy bib cock with crystal head 1/2" dia (Master / Sonex or equivalent). as per instruction / directive / approval of Engineer Incharge.	24	Each
9	Providing and fixing C.P Brass Concealed Tee stop cock with crystal head 1/2" dia (Master / Sonex or equivalent) as per instruction / directive / approval of Engineer Incharge.	12	Each
10	Providing and fixing C.P Brass Concealed stop cock with crystal head 1/2" dia (Master / Sonex or equivalent) as per instruction / directive / approval of Engineer Incharge.	6	Each
11	Supplying/Fixing C.P Brass Surgical Elbow action Wash Basin Mixture of superior quality with C.P Head and long arm 1/2" dia etc complete in all respects as per instruction / directive / approval of Engineer Incharge.	3	Each
12	Providing and fixing U.P.V.C. Floor Trap 6"x2" or 6"x3" dia i/c Steel floor Jali Grade-I (AGM or equivalent) including cutting, fitting with collars, clamps and rubber solvent. This rate also includes making holes in walls, plinth, floor and roof for fixing pipe and making good in c.c. 1:2:4. Testing pressure head 200 feet. as per instruction / directive / approval of Engineer Incharge.	125	Rft
13	Providing and fixing U.P.V.C. Pipe Grade-I (AGM or equivalent) including all fittings such bends tees etc with cutting pipe up to required length, fitting with collars, clamps and rubber solvent. This rate also includes making holes in walls, plinth, floor and roof for fixing pipe and making good in c.c. 1:2:4. Testing pressure head 200 feet. as per instruction / directive / approval of Engineer Incharge.		
	4" Dia for Single Attached Lavatory	100	P.Rft
	3" Dia for Single Attached Lavatory	100	P.Rft

14	Providing & fixing of PPR/pvc/cpvc AGM euilant PN-20 cold / Hot water pipes with all required molded fittings PN-20, jointing pipe with heat method, testing. This rate also i/c cutting holes in wall plinth and roof for consealed pipe fittings and making good in c.c 1:2:4 etc complete in all respects as per specifications and instructions provided by the Engineer In charge.			
(i)	40 mm	1,075		P.Rft
(iii)	25 mm	565		P.Rft
(iv)	18 mm	150		P.Rft
(v)	13 mm	205		P.Rft
15	Providing & fixing of PPR PN-20 Gate Valve with brass threads, jointing with already laid pipe by heat method, testing, etc complete in all respects as per specifications and instructions provided by the Engineer In charge.			
(i)	40 mm	1		Each
(iii)	25 mm	2		Each
(iv)	20 mm	3		Each
(v)	13 mm	2		Each
16	Providing G.I pipes of approved standard company with fittings such as tee, bend, socket, elbow union & clamps where as required etc i/c threading, fixing cutting & fitting complete with & i/c the cost of breaking through walls & roof for making consealed, making good etc, painting two coats after cleaning the pipe etc, with white zink paint with pigment to match the colour of the building and testing with water to a pressure head of 200 feet and handling. (I.I.L.M or Equivalent). as per instruction / directive / approval of Engineer Incharge.			
(i)	1/2" Dia pipe	415		P.Rft
(ii)	3/4" Dia pipe	2,070		P.Rft
(iii)	1" Dia pipe	325		P.Rft

17	Providing and fixing C.P. Brass handle valve. as per instruction / directive / approval of Engineer Incharge. (Made in Italy).			
(i)	1/2" Dia pipe	23		Each
(ii)	3/4" Dia pipe	16		Each
(iii)	1" Dia pipe	5		Each
18	Providing G.I pipes of approved standard company with fittings such as tee, bend, socket, elbow. union & clamps where as required etc i/c threading, fixing cutting & fitting complete with & i/c the cost of earth excavation up to required depth and laying pipe in to the trench and refilling the trench i/c painting two coats of bitumen with hessian cloth after cleaning the pipe etc complete and testing with water to a pressure head of 200 feet and handling. (External I.I.L M or Equivalent). as per instruction / directive / approval of Engineer Incharge.			
(i)	1" Dia pipe	40		P.Rft
(ii)	1-1/2" Dia pipe	40		P.Rft
(iii)	2" Dia pipe	50		P.Rft
19	Providing chambers 9" x 6" (inside dimensions) x 24" deep for stop cocks and valves etc. with 6" thick C.C 1:3:6 cast in situ walls, 6" thick C.C 1:4:8 in foundation 1/2" thick cement plaster 1:3 to all inside wall surface and to top 1" thick C.C 1:2:4 flooring complete with hinged cast iron cover and frame 9"x6" (inside) clear opening (wt 1/2" Qr) etc. fixed in cement concrete 1:2:4 including curing excavation back filling & disposal of earth etc. complete. as per instruction / directive / approval of Engineer Incharge.	3		Each
20	Supplying & fixing Bath room accessories set (9 Pieces) i/c towel rod, brush holder, Coat Holder & soap tray shelf of approved design i/c cost of screws, nuts etc Complete. (Master Brand or Equivalent). as per instruction / directive / approval of Engineer Incharge.	3		Each
21	Providing & fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws. (Superior Quality). as per instruction / directive / approval of Engineer Incharge.			
(i)	Towel Rail 36" long	3		Each
(ii)	Towel Rail 30" long	3		Each

22	Supplying & fixing soap tray of made plastic of Superior quality and design with fine finishing with c.p screws etc. complete. as per instruction / directive / approval of Engineer Incharge.	6	Each
23	Supplying & fixing C.P Brass Wash Basin Swan Type Piller Cock with crystal head 1/2" dia (Master / Sonex or equivalent). as per instruction / directive / approval of Engineer Incharge.	6	Each
24	Supplying & fixing Electronic Hand Dryer of approved Make & Design (Imported). as per instruction / directive / approval of Engineer Incharge.	3	Each
25	Providing & fixing Bavelled edge mirror of Belgium glass (Above 3.00 Sft) complete with 3" thick pre polished wooden border, 1/8" thick hard board and C.P. screws fixed to wooden pleat. (Superior Quality) as per instruction / directive / approval of Engineer Incharge.	10	P.Sft
26	Providing and laying of U-PVC Pipe of class 'B' suitable for external drainage work buried in ground under roads crossing as per specification with excavating trench for laying of pipe, bricks, warning tape, and back filling with new and fresh sand (4" below pipe and sides with leveling stacks), compaction and plugging of pipe ends etc complete in all respect as shown on drawing provided and as per directives of Engineer In charge.		
(i)	12" Dia pipe	75	P.Rft
(ii)	8" Dia pipe	60	P.Rft
(iii)	6" Dia pipe	160	P.Rft
(iv)	4" Dia pipe	190	P.Rft
27	Supplying & fixing fiber glass tank of approved quality and design and wall thickness as specified i/c cost of notes, bolts and fixing in platform of cement concrete 1: 3: 6 and making connections for in -let out-let & over flow pipes etc. complete. as per instruction / directive / approval of Engineer Incharge.		
(a)	250 Gallons Fiber Tank	1	Each
(b)	400 Gallons Fiber Tank	1	Each
(c)	500 Gallons Fiber Tank	2	Each

28	<p>Providing and fixing Mono Block water pumping set size 1"x1-1/4" (Golden or Equivalent) with 1 H.P Motor of 2800 RPM having single phase 220 Volts connection including base plate and also making C.C. 1:3:6 platforms of required size and fixing with nuts and bolts complete in all respect. This rate also i/c 2-3/.036 P.V.C insulated power wiring, 10 Amp Main Switch for motor etc complete in all respects. as per instruction / directive / approval of Engineer Incharge.</p>	1		Each	
29	<p>Providing and fixing Mono Block water pumping set size 2"x1-1/2" (Golden or Equivalent) with 2 H.P Motor of 2850 RPM having single phase 220 Volts connection including base plate and also making C.C. 1:3:6 platforms of required size and fixing with nuts and bolts complete in all respect. This rate also i/c 2-3/.036 P.V.C insulated power wiring, 10 Amp Main Switch for motor etc complete in all respects. as per instruction / directive / approval of Engineer Incharge.</p>	1		Each	
30	<p>Providing and fixing Mono Block water pumping set size 2"x 2-1/2" (Golden or Equivalent) with 5 H.P Motor of 2850 RPM having Three phase 440 Volts connection including base plate and also making C.C. 1:3:6 platforms of required size and fixing with nuts and bolts complete in all respect. This rate also i/c 2-3/.036 P.V.C insulated power wiring, 10 Amp Main Switch for motor etc complete in all respects. as per instruction / directive / approval of Engineer Incharge.</p>	1		Each	
31	<p>Providing and fixing water pumping set with Siemen motor and Javed pump 10 H.P. 2850 RPM three phase 440 Volts with pump size 8"x 6" suction and delivery 200 ft. head including base plate and also making C.C. 1:3:6 platforms of required size and fixing with nuts and bolts complete in all respect. This rate also i/c 3-7/.064 P.V.C insulated power wiring, auto-matic starter for motor etc complete in all respects. as per instruction / directive / approval of Engineer Incharge.</p>	1		Each	
				TOTAL	

Part 'C' INTERNAL SUI GAS FITTINGS

Sr #	Description Of Items	Quantity	Rate	Unit	AMOUNT
1	Providing and fixing Brass Gas Cock 1/4" dia imported	8.00		Each	
2	Providing & fixing of Gas Burner (Three Ways Table Top) of approved make and design with necessary fittings by approved method, testing etc complete in all respects as per specifications and instructions provided by the Engineer Incharge. (Imported heavy duty)	6.00		Each	
3	Providing & fixing of Lab Gas Burner of approved make and Design with necessary fittings by approved method, testing etc complete in all respects as per specifications and instructions provided by the Engineer Incharge	6.00		Each	
4	Providing & fixing of Gas Geyser of approved and Design (35 Liters) with imported pilot and necessary fittings by approved method, testing etc complete in all respects as per specifications and instructions provided by the Engineer Incharge	6.00		Each	
5	Providing & fixing of PE-80 (Polyethylene-Flex) sui gas pipes with all required Moulded fittings of PE-80 , jointing pipe with approved method, testing, excavating trench in existing external soil, laying pipe, refilling the trench compaction etc complete in all respects as per specifications and instructions provided by the Engineer In charge.				
(i)	25 mm	450.00		P.Rft	
(ii)	18 mm	750.00		P.Rft	
(iii)	13 mm	550.00		P.Rft	
6	Providing & fixing of PE-80 (Polyethylene-Flex) Gate Valve with brass threads, jointing with already laid pipe by approved method, testing etc complete in all respects as per specifications and instructions provided by the Engineer In charge.				
(i)	18mm	5.00		Each	
(ii)	13 mm	5.00		Each	
PART 'C' INTERNAL SUI GAS TOTAL					

PART 'D' INTERNAL ELECTRIFICATION WORK

1	Wiring for light fan or call bell point with 2-3/.029 PVC insulated wire copper conductor wire in 3/4" dia PVC conduct recessed in the wall column, roof etc, including 1 sq.mm single core PVC insulated wire as ECC as required as per approved by engineer or incharge.			
(i)	(From D. B to Switch Board)	70.00		P. Point.
(ii)	(From Switch Board to Point)	70.00		P. Point.
(iii)	(From Point To Point)	60.00		P. Point.
2	Wiring for plug point with 2-3/.029 PVC insulated wire copper conductor wire in 3/4" dia PVC conduct recessed in the wall column, roof etc, including 1 sq.mm single core PVC insulated wire as ECC as required .(Nearest light plug)as per approved by engineer or incharge.	30.00		P. Point.
3	Circuit Wiring for Distributing Circuits with 2-(7/.029) PVC insulated wire in 25mm (1") PVC conduit fitted (Maximum length of circuit from D.B To Switch Board should be 180 Rft)	1,250.00		RFT
4	Circuit Wiring for power point with 2-7/0(7/.044) PVC insulated wire with 1-1/36 as ECC in PVC Channel Patti or cap casing on wall or roof. (Maximum length of power wiring from D.B to Point should be 160 Rft).	5.00		Each
5	Providing & fixing 10 Amps polycarbonate flame retardant one way switch with fancy gang plate fixed on die fabricated powder coated metal board recessed in wall or column including connection as required (E31/2/3A Clipsal Make)			
(a)	One gang Switch Plate	11.00		Each
(b)	Two gang Switch Plate	21.00		Each
(c)	Four gang Switch Plate	25.00		Each
(d)	Six gang Switch Plate	30.00		Each
(e)	Eight gang Switch Plate	50.00		Each
6	Providing & fixing 10Amps polycarbonate flame retardant bell push with fancy gang plate fixed on die fabricated powder coated metal board recessed in wall or column including connection as required (E31/MBPR Clipsal Make).	3.00		Each

7	Providing & fixing 10Amps polycarbonate flame retardant two way switch with fancy gang plate fixed on die fabricated powder coated metal board recessed in wall or column including connection as required. (E31/2/3A Clipsal Make).	3.00	Each
8	Providing & fixing 10Amps polycarbonate flame retardant 2-pin switch socket unit (Universal) with fancy gang plate fixed on die fabricated powder coated metal board recessed in wall or column including connection as required. (E-15U Clipsal Make)	25.00	Each
9	Providing & fixing 15Amps polycarbonate flame retardant 3-pin switch socket unit (Universal) with fancy gang plate fixed on die fabricated powder coated metal board recessed in wall or column including connection as required (Clipsal Make) with back & boxing.	35.00	Each
10	Providing & fixing A.C/D.C Door Bell (superior quality imported) on die fabricated powder coated metal board recessed in wall or column including connection as required.	3.00	Each
(iii)	18" Dia Sweep	5.00	Each
(iv)	24" Dia Sweep	5.00	Each
11	Providing and installing 25 CM (12") sweep plastic body Exhaust fan complete with blades, motors, etc fixed in existing hole including connection with 14.0076" flexible wire complete as required (without regulator) Millat/Pak/Asia/Younus/Climax/Royal.	1.00	Each
12	Providing and installing 60CM (24") Wall Bracket Fancy Fan including connection with 14.0076" flexible wire complete as required (Millat / Pak / Asia / Younus / Climax / Royal).	5.00	Each
13	Providing and installing 140 CM (56") sweep ceiling fan with blades, canopy, standard length of down rod including connection with 14.0076" flexible wire complete as required (without regulator) Millat/Pak/Asia/Younus/Climax/Royal.	15.00	Each
14	Providing & fixing 15 Amps poly carbonate flame retardant 400 watts fan dimmer with plate fixed on die fabricated powder coated metal board recessed in wall or column including connection as required (E32V400F Clipsal Make)	24.00	Each

15	Providing & Laying of following sizes of 3-1/2 core PVC insulated & PVC sheathed 600/1000-volt grade with standard copper conductor unmoored L.T cable in existing all kind of conduit or cable duct as per Approved specification as required.	113.00		P.Rft	
16	Providing and fixing Earth set with 2' x 2' x 1/4" copper plate buried in the ground at a depth of 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earth chemical powder) etc.. Making the pit 12 feet deep by excavation of all type of soil (except soft or hard rock) i/c fixing of 8 SWG copper wire in 1/2" G.I conduit complete in all respects as required.	1.00		P.Job	
17	Providing & Fixing basic batten, surface type, fitting complete with TLD 1x36W white day light lamp starter, electronic ballast as Philips Cat. (TMS015/136 L.E.D)	5.00		Each	
18	Providing & Fixing basic batten, surface type, fitting complete with TLD 2x36W white day light lamp starter, electronic ballast as Philips Cat. (TMS015/136 L.E.D)	7.00		Each	
19	P/Fixing 2'-0" x 2'-0" Fancy False Ceiling Circo Fan(imported) of approved make and design etc complete in all respects as per directives of Engineer Incharge.	6.00		Each	
20	Providing & Fixing basic batten, surface type, fitting complete with TLD 4x36W (2'-0" LONG), ALUMINIUM CASING (L.E.D), white day light lamp starter, electronic ballast as Philips Cat. (TMS015/136)	6.00		Each	
21	Providing and fixing L.E.D Energy Saver 12 Watts Phillips i/c wall type or ceiling fancy bracket	6.00		Each	
22	Providing and fixing L.E.D Energy Saver 20 Watts Phillips or equilant i/c wall type or ceiling fancy bracket	6.00		Each	
23	P/Fixing LED Fancy Light with 42 watts 2'x2' fancy of approved make and design etc complete in all respects as per directives of Engineer Incharge.	25.00		Each	

24	Supply & Installation of following Main / Distribution Panel Boards of approved make and design concealed in wall/surface mounted or floor standing. 1.5/2/3 mm sheet steel fabricated powder coated , suitable for 500 volts, 3 phase ,4 wires,50 Hz, incorporate following components & configuration, complete with all mounting & connecting accessories as per Electrical Drawings attached etc complete in all respect as per specification provided and instructions given by the Engineer Incharge.			
i	SMDB-MB	1.00		Each
ii	EDB-EME	2.00		Each
iii	EDB-MB-1	2.00		Each
25	Supply, Laying, termination and commissioning of following copper conductor cable in already laid PVC conduit / cable tray / trench as required, as per drawings, specification and instructions given by Engineer Incharge (Cu /pvc/ pvc cable , 600/1000v, Pak /Pioneer/AEG Cables).			
a	4 Core - CU/PVC/ PVC Cable (600/1000V)			
i	4 Core - 6 Sq.mm	310.00		P.Rft
ii	4 Core - 10 Sq.mm	550.00		P.Rft
iii	4 Core - 16 Sq.mm	225.00		P.Rft
iv	4 Core - 25 Sq.mm	350.00		P.Rft
v	4 Core - 35 Sq.mm	350.00		P.Rft
vi	4 Core - 70 Sq.mm	225.00		P.Rft
vii	4 Core - 95 Sq.mm	160.00		P.Rft
b	1 Core - PVC Cable as ECC (600/1000V)			
i	1 core -10 Sq.mm	280.00		P.Mtr
26	P/F Circuit breaker 32 Amp. Double Pole i/c fixings on prepared board and necessary connection.	6.00		Each
27	P/F Circuit breaker 32 Amp T.Pole i/c. fixing on prepared board and necessary connection.	12.00		Each

28	<p>Providing and prepare Earth Pit with 3-meter-long, 20 mm dia copper rod type electrode for earthing system at the end of every circuit directly driven to ground to obtain earth resistance not more than 3 ohm including 2 x 16 sq. mm single core PVC insulated wire or 2 x 16sq mm bare copper conductor in 50 mm dia G.I pipe, from earth rod to lighting pole. Inspection pit 380 x 380 x 460mm deep (min) with heavy duty C.I cover, appropriate size of Upvc conduit for leads, complete as per detail drawing & instruction of consultant. providing as built drawings, test reports documents to Employer / Consultant representative. Complete in all respects.</p>	1.00		Each	
29	<p>Providing, laying, testing and commissioning of following size telephone & Data Cable in already laid PVC pressure pipe conduit or PVC channel or cable tray/trench as shown on drawing and as per instruction by engineer or incharge complete in all respect.</p> <p>CAT -6 (Data Cable and Telephone)</p>	675.00		P.Rft	
30	<p>Providing/Supplying & Fixing net solo pot switch (Sisco) 3 M 24 patches penal (loaded) with 9-U network rack, patch code 1 & 2 meter long, 3 m Cad I.O complete.</p>	1.00		Each	
PART 'D' INTERNAL ELECTRIFICATION WORK					

TELEPHONE & DATA SYSTEM

1	Supply & installation of following 0.6mm dia. Schneider/3 mm or equivalent telephone/Data cables in 25 mm dia PVC conduit.			
a)	Cat - 6	3,600.00		Mtr
2	Supply & installation of following boards as per drawings fabricated from 16SWG sheet steel powder coated box with hinged covered door.			
a)	Telephone Junction Box with. (8 x 25 pair punch block) tag block.	1.00		No.
3	Supply & installation of following telephone outlets (i/o + Face Plate) with back box.(Hussain make)			
a)	RJ-45 for telephone system.	25.00		No.
b)	RJ-45 for Data system.	25.00		No.
c)	RJ-45 for Data system. (Duplex)	25.00		No.
4	Supply and installation of Cat-6 giga speed cable AT & T / clipsal make for data system in 25 mm dia PVC conduit.	175.00		Mtr
5	Card Access Control System	2.00		No.
6	Wiring for Card Access	2.00		No.
7	Following CAT-6, Patch Panels equipped with RJ-45 I/Os for Data communication system with rear cable organizer including all labeling and all mounting accessories. Complete in all respects.			
a)	24-port CAT-6 patch panel for data	1.00		No.
8	Following CAT-6, Patch Panels equipped with RJ-45 I/Os for Voice communication system with rear cable organizer including all labeling and all mounting accessories. Complete in all respects.			
a)	24-port CAT-6 patch panel for Voice	1.00		No.

9	Front Cable Organizer for Voice & Data patch panels / wiring blocks with complete labeling and dressing for incoming cable management.	2.00		No.	
10	Following CAT-6, factory certified patch cords of specified color having RJ-45 connectors at both ends for voice communication .				
a)	3 meter long.	10.00		No.	
b)	1 meter long.	10.00		No.	
11	Following CAT-6, factory certified patch cords of specified color having RJ-45 connectors at both ends for Data communication .				
a)	3 meter long.	10.00		No.	
b)	1 meter long.	10.00		No.	
12	Supply and Installation of 42U Floor Mounted Communication Rack. Suitable for installation of servers, switches and related equipment etc. Complete with vertical cable managers. Rack shall be equipped with power distribution units (PDUs) with at least 5 imported power sockets etc. Complete in all respects.	1.00		No.	
13	Testing and Commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals.	1.00		Job	
TELEPHONE & DATA SYSTEM TOTAL					