

DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI



TENDER DOCUMENT

TITLE OF THE JOB

**MAINTENANCE & REPAIR OF IPM&R CAMPUS,
DUHS, KARACHI**

NIT # DUHS/P&D/2018/9475

DATED: JULY 20, 2018

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

SUBJECT: MAINTENANCE & REPAIR OF IPM&R CAMPUS, DUHS, KARACHI

To,

THE PROJECT DIRECTOR

Planning & Development Department,
Dow University of Health Sciences, Karachi.

1. Having examined the tender documents including Instructions to Bidders, Bidding Data, and Conditions of Contract, Specifications, Drawings and Bill of Quantities for the execution of the above-named work, we/I, the undersigned, offer to execute and complete the work and remedy any defects therein in conformity with the Conditions of Contract, Specifications, Drawings, Bill of Quantities for the sum of Rs. _____
(Rupees _____) or such other sum as may be ascertained in accordance with the said conditions.
2. We/I understand that all the Appendices attached hereto form part of this bid.
3. As security for due performance of the undertakings and obligations of this bid, we/I submit herewith a bid security in the amount of Rupees _____ (Rs. _____) drawn in your favour or made payable to **Dow University of Health Sciences (DUHS)** and valid for a period of _____ days beginning from the date, bid is opened.
4. We/I undertake, if our bid is accepted, to commence the works and to complete the whole of the works comprised in the contract within the time stated in Appendix-A to Bid.
5. We/I agree to abide by this bid for the period of 90 days from the date fixed for opening the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We do hereby declare that the bid is made without any collusion, comparison of figures or arrangement with any other bidder for the works.
8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We undertake, if our/my bid is accepted, to execute the Performance Security referred to in Clause 10 of Conditions of Contract for the due performance of the Contract.

10. We confirm, if our bid is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the constitution of the joint venture shall not be altered without the prior consent of the procuring agency.

In the capacity of _____duly authorized to sign Bids for and on behalf of
Dated this _____day of_____2018

Signature: _____

(Name of Tenderer in Block Capitals)

(Seal)

Address: _____

Witness:

Signature: _____

Name: _____

Address: _____

Occupation: _____

APPENDIX-A TO TENDER

1	Amount of Performing Security	2.5% of the Contract price. Total amount including performance security and retention money deducted from bills 5% of contract price stated in Letter of Acceptance.
2	Time for Furnishing Programme (Commencement of Work)	Within _____days from the date of receipt of Letter of Acceptance.
5	Time of Commencement	Within 10 days from the date of receipt of Project Director's Notice to Commence, This shall be issued after signing of Contract Agreement.
6	Time of Completion of Works	24 Months days from the date of Notice to Commence.
7	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 day's notice.
8	Defect Liability Period/ Period of Maintenance	90 days from the effective date of Taking over/ Completion Certificate.
9	Percentage of Retention Money	10% of the amount of the Interim/Running Payment Certificate.
10	Limit of Retention Money	5% of Contract Price stated in Letter of Acceptance.

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

INSTRUCTIONS TO TENDERS

- a) Project Director Planning & Development, Dow University of Health Sciences, calls tenders for the **“MAINTENANCE & REPAIR OF IPM&R CAMPUS, DUHS, KARACHI”** with the bill of quantities attached here to be submitted by or before 11:00 A.M on **17-08-2018**. Tenders cost will not be reimbursed for any cost of any kind whatsoever incurred in connection with the preparations and submission of their tenders.
- b) The tender for the each work should be in the sealed envelope bearing name of the work / contractor / firm clearly marked and addressed to Project Director Planning & Development, Dow University of Health Sciences, Karachi.
- c) 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.
- d) All tender are invited to the present for the opening of the tender in **17-08-2018** at 11:30 A.M. The name of each tenderer and his total contract price only will be read aloud and recorded.
- e) Any tender/tenders without earnest money will not be entertained. Earnest money of the awarding firm may be return after successful completion of work. 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 earnest money shall also be forfeited.
- f) Detailed particulars of the work / works can be seen in the Project Director Office on any working day during the office hours.
- g) Tender shall be made in the form 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 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 accepted.
- h) 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.
- i) All prices quoted shall be deemed to include all costs of performing the works, including labour, material, income tax, duties, octori charges, royalties permit etc. and no claim whatsoever shall be accepted in case of escalation any or all prices entered in rate of bid.
- j) 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 al the rate or prices by the contractor in the tender.
- k) “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”.
- l) 10 % security deposit will be deducted from each bill on the paid amount of the contract, which will be returned after maintenance period of 03 months.

- m) The tender must be signed in each and every page by a person(s) authorized to do so.
- n) The site can be visited on any working day during the office hours.
- o) “Engineer” means the Project Director Planning & Development of the University or any other Engineer appointed by him.
- p) The 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.
- q) The Competent Authority reserve the right to reject any or all the tenders, increase or decrease the scope of work or divide item of work among bidders.
- r) 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.

PROJECT DIRECTOR
Planning & Development Department
Dow University of Health Sciences, Karachi

DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI
DIRECTORATE OF PLANNING & DEVELOPMENT

TERMS & CONDITIONS

1. The work / supply is required within 10 Days from the date of letter of Commencement/award.
2. Inspection: *Nominated Inspection Committee will make Inspection of Work.*
3. In case of late delivery @ 0.1% per day will be charged on bid amount deducted from the bill, but not more than 10% of contract value.
4. Quantities shown in the quotation are approximate and no claim shall be entertained for quantities of executed being 30% more or less than those entered in the BOQ.
5. All prices will include all costs of performing the works including labour, material, Income Tax, GST, Octroi Charges, royalties & transportation etc., as mentioned in BOQ.
6. No subletting of all or any part of work will be allowed at any cost / reasons.
7. The supplier will see the site / sample before quoting the rates.
8. Store will be delivered at Dow University of Health Sciences, Karachi.
9. Central Stores and Inspection Officer will issue inspection certificate after inspection through Inspection Committee.
10. If the work / supply is not found according to the specification and samples provided, will be rejected at risk and cost of the manufacturer and in case the manufacturer fails to work / supply the order, the firm will be black listed.
11. Payment:
 - 11.1 The Actual sum to be paid shall be determined by quantifying / measurements of items actually supplied valuing it at the rates/prices quoted in the approved quotations.
 - 11.2 10% security deposit will be retained from each bill upto a period of six months from the date of supply of order.
 - 11.3 Part payment against part supply can be allowed.
12. Request letter for issuance of tender documents should be supported with:
 - a. Copy of GST, SST & NTN registration Certificate and PEC Registration in appropriate category with the following codes BC01 – BC02 – CE01 – CE04 – CE09 – CE10 – EE01 – EE02 – EE04 – EE06 – EE07 – EE08 – EE11 – ME01 – ME02 – ME03 – ME06. **(MANDATORY)**
 - b. Copies of all relevant Certificate/Authorization letter must be attached (where required) mentioned with Tender Enquiry.
13. The bidder must have done at least five (05) contracts of similar nature and magnitude “Similar nature means Construction of Building preferable at educational institutes and hospitals” (Please submit copy of PO/Contract Agreement/Notification of Award). Comply with specifications mentioned in bidding documents.
14. 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.

15. The bidder must have turnover/sales exceeding **400 Million** in PKR annually in any of last three years (Submission of Audited Annual Reports or reputable Bank confirmation letter).
16. Latest income Tax Certificate (NTN), valid GST Registration Certificate and valid SRB registration.

PROJECT DIRECTOR
Planning & Development Department
Dow University of Health Sciences, Karachi

MAINTENANCE & REPAIR OF IPM&R CAMPUS, DUHS, KARACHI**ABSTRACT**

S. No.	Item of Work	Amount
1	CIVIL WORK	
2	INTERNAL WATER SUPPLY & SANITARY FITTINGS	
4	INTERNAL ELECTRIFICATION	
5	HVAC WORK	
6	TELEPHONE & DATA SYSTEM	
TOTAL AMOUNT RS.		

CONTRACTOR

Sr #	Description Of Items	Quantity	Rate	Unit	Amount
PART 'A' CIVIL WORK :-					
1	Dismantling of Existing Block / Stone Masonry and disposal of rubbish materials by mean of Tractor Trolley or Dumper.	450		P.Cft	
2	Dismantling of Existing flooring / skirting i/c C.C layer and disposal of rubbish materials by mean of Tractor Trolley.	375		P.Cft	
3	Dismantling of C.C.Plain and disposal of rubbish materials by mean of Tractor Trolley or Dumper. a) 1:2:4 b) 1:4:8	250 370		P.Cft P.Cft	
4	Dismantling cement concrete reinforced separating reinforcement and disposal of rubbish materials by mean of Tractor Trolley or Dumper.	320		P.Cft	
5	Removing cement or lime plaster from walls i/c removal rubbish materials from site of work by means of tractor trolley or dumper.	3,500		P.Sft	
6	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 (Envicrete / Megna crete tiles)	650		P.Sft	
7	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. (i) IN ALL TYPE OF SOILS EXCEPT HARD ROCK	180		P.Cft	
8	Cement Concrete Plain including placing compacting, finishing and curing complete (including screening and washing of crush bajri) without form work . etc complete in all respects as per specifications provided and instructions given by the Engineer Incharge. Ratio 1:4:8 (CLASS 'E') (Under Foundation Using S.R Cement)	750		P.Cft	

9	Cement Concrete Plain including placing compacting, finishing and curing complete (including screening and washing of crush bajri) without form work . etc complete in all respects as per specifications provided and instructions given by the Engineer Incharge. Ratio 1:2:4 (CLASS 'C') (Under Floor Using O.P.C Cement) (Under Floor Using S.R Cement)	360 250		P.Cft P.Cft	
10	Cleaning Surface, Rubbing and Re-grinding & Chemical Polishing of Existing Marble Flooring etc complete in all respects.	1,070		P.Sft	
11	Coursed rubble masonry including hammer dressing. In Cement Sand Mortar (i) 1 Cement : 3 Sand.	305		P. Cft	
12	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. Measurement of covered area.	450		P.Sft	
13	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)	650		P.Cft	
14	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) 150 mm Thick 200 mm Thick 100 mm Thick	1,500 700 800		P.Sft P.Sft P.Sft	

15	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	3,500		P.Sft	
16	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	3,500		P.Sft	
17	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)13-1/2"x 2"	60 45 30		P.Rft P.Rft P.Rft	
18	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 include 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.	1		PTon	
19	Providing and fixing G.I. sheet chowkats of 18 gauges for doors i/c pouring C.C. 1:2:4 inside chowkat etc: complete in all respect. a) 2" x 9½" b) 2" x 7½" c) 2' x 13½"	50 60 150		P.Rft P.Rft P.Rft	
20	Providing and laying Topping of cement concrete (1:2:4) including surface finishing & dividing into panels. a) 3" thick b) 2" thick	2,000 450		P.Sft P.Sft	

21	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. a) 1-1/2" thick	150		P.Sft
22	Providing and fixing C.P Brass Mortice Lock with Round Handle (Imported).	20		Each
23	Providing and fixing C.P Brass Mortice Lock with Long Handle (Heavy Design Imported).	10		Each
24	Providing and fixing Door Closer of approved & Design (Imported).	20		Each
25	Providing and fixing Brass Tower Bolts. a) 6" Long. b) 8" Long c) 12" Long d) 18" Long	15 20 15 5		Each Each Each Each
26	Providing and fixing Aldrop. a) 12" long 1/2" dia b) 12" long 5/8" dia	10 10		Each Each
27	Providing & fixing C.P Brass Handle. a) 5" long b) 6" long	6 6		Each Each
28	Providing & fixing Colour Crete to wall surface to provide, durable crust and aesthetics having thickness upto 1/2" with specified colour having water, fire ³ and termite resistance over the base of 1/2 " thick cement plaster Ratio (1:4).	800		P.Sft
29	Providing and Applying French polishing over wood work with liqueur base spirit polish and filling material etc complete in all respect.	1,100		P.Sft
30	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.	1,550		P.Sft

31	<p>Providing and Fixing picture railing with screwing and nails. Etc complete in all respects including French polishing.</p> <p>a) 2" thick Oak wood b) 2 1/2" thick Oak wood c) 2" thick Golden Teak</p>	<p>120 70 250</p>		<p>P.Rft P.Rft P.Rft</p>	
32	Providing & Fixing Banko imported Hinge Machine.	10		Each	
33	Providing & Fixing Stainless Steel push plate (JB Saeed)	50		Each	
34	Removing old Aluminum Door with motor and aluminum partition etc complete	650		P.Sft	
35	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)	60		P.Sft	
36	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 (Prime/ Chawla or Equivalent)	120		P.Sft	
37	Applying 3 Coats of Plastic Bound Distemper 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.	5,500		P.Sft	
38	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.	13,000		P.Sft	

39	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	4,500		P.Sft	
40	Preparing surface and oil painting Doors and Windows any type including edges (Iron or wooden or partially glazed)	1,250		P.Sft	
41	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 1800 per meter or above) as per sample approved by Engineer etc complete.				
a	Flooring	1,550		P.Sft	
b	Wall Dado	450		P.Sft	
c	6" Wide Wall Border	370		P.Rft	
42	Providing and fixing Printed Glazed Ceramic Tiles Flooring 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. Wash Rooms Flooring	650		P.Sft	
43	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. Wash Rooms Wall Dado	650		P.Sft	

44	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 (16guage) 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	1,350		P.Sft
45	Providing and fixing Cement Checquer Tiles Flooring (12"x12"x1" or above) jointed in white cement and laid over bed of 1/2"thick grey cement send mortar ratio 1:3 i/c washing / filling of joints with white cement etc: complete in all respect (Premium Quality costing Rs 600 per square meter or above)	350		P.Sft
46	Supplying and fixing False Ceiling of gypsum sheet (2' x 2' or 4'-0"X 2'-0" imported) in panels including making frame work of imported Aluminum 'T' Channels	15,000		P.Sft
47	Providing and fixing JUNG-SHAHI Stone Tile on Face Elevation (Plain Stone Tile Duly Mixed With Ornamental Embarked Stone Tile as per Design Requirements) (8"x8" or 12" x6" x 3/4") jointed in white cement and laid over bed of 3/4"thick grey cement send mortar ratio 1:3 i/c washing / filling of joints with white cement etc: complete in all respect.	450		P.Sft
48	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 send mortar ratio 1:3 i/c washing / filling of joints with white cement etc: complete in all respect.	220		P.Rft
49	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 send 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)	60		P.Sft

50	P/F wooden cabinet 16" deep (American / Italian Style) made up of frame of partial 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.	250		P.Sft	
51	P/S office chair Charister made or Equivalent as per design approved by engineer. Low back High back	30 20		Each Each	
52	Providing and installation floor of machine made nylon carpet tile of approved make with color and design. Complete in all respects as approved by the Consultants or Engineer. Basic price shall be Rs. 240.00 per Sq.ft	350		P.Sft	
53	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.	150		P.Sft	
54	Providing & applying handmade heavy textured paint of ICI or Burger or approved equivalent of approved shade from ICI or burger color bank on external surface, i.e. walls, columns, beams etc. including preparation of base etc. complete at any height as per approved by Engineer.	220		P.Sft	
55	Provide and install in position Roll-up window blinds of approved colour, and specifications, of Imported chain operated Roller blind with approved sample including wastage, lifting, etc, complete as respect and as approved by Engineer.	230		P.Sft	
PART 'A' CIVILWORK TOTAL					

PART 'B' INTERNAL WATER SUPPLY & SANITARY FITTINGS

1	Providing & fixing English Commode with Seat cover including flushing cistern, tee stop cock etc complete in all respects (Porta / Marachi or Equivalent) (Classic Model)	5		Each	
2	Providing & fixing Orisa W.C 23" Clear including flushing cistern ,tee stop cock etc complete in all respects (Porta/ Marachi or Equivalent) (Classic Model)	5		Each	
3	Providing & Fixing Wash Basin size 24" x18" with wash basin mixture and pedestal etc complete in all respects (Porta/Marachi or Equivalent) (Classic Model)	5		Each	
4	Providing & Fixing Wash Basin size 24" x18" (Vanity type with top counter and wooden box) with wash basin mixture and pedestal etc complete in all respects (Porta/Marachi or Equivalent) (Classic Model)	3		Each	
5	Providing & fixing Urinal including flushing cistern, tee stop cock etc complete in all respects (Porta / Marachi or Equivalent) (Classic Model)	5		Each	
6	Supplying/Fixing White glazed Laboratory sink bowl of approved made and design (Standard Size) as per standard requirement i/c bolt kit brackets, c.p waste and waste pipe etc complete in all respects	2		Each	
7	Providing and fixing C.P Brass Double bib cock with Muslim Shower 1/2" dia (Master/ Sonex or equivalent)	2		Each	
8	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	6		Each	
9	Providing and fixing Stainless Steel Sink Size 40" x 20" (with double Trey) i/c C.P Brass Sink Mixture , C.P waste, P.V.C Waste Pipe, Bolt kit etc complete in all respects. (Superior quality and heavy gauge).	2		Each	

10	<p>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.</p> <p>4" Dia for Single Attached Lavatory 3" Dia for Single Attached Lavatory</p>	60 60		P.Rft P.Rft	
11	<p>Providing and fixing U.P.V.C. pipe grade-I (A.G.M.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.</p> <p>4" Dia for General Lavatory and out side 3" Dia for General Lavatory and out side</p>	50 50		P.Rft P.Rft	
12	<p>Providing and fixing U.P.V.C. Branch with Access door, grade-I (A.G.M 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.</p> <p>Plug Tee 4" X 4" Dia Plug Tee 3" X 3" Dia</p>	3 3		Each Each	
13	<p>Providing and fixing U.P.V.C. Plain. Tee 4"x4" dia or 'Y' Tee grade-I (A.G.M. 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.</p> <p>Plain or Y Tee 4" X 4" Dia Plain or Y Tee 3" X 3" Dia</p>	2 2		Each Each	
14	<p>Providing and fixing U.P.V.C. Plug Bend 4"x4" dia with Access door, grade-I (A.G.M 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.</p> <p>Plug Bend 4" X 4" Dia Plug Bend 3" X 3" Dia</p>	2 2		Each Each	

15	<p>Providing and fixing U.P.V.C. Plain Bend 4" dia grade-I (A.G.M. 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.</p> <p>Plain Bend 4" Dia</p> <p>Plain Bend 3" Dia</p>	12		Each	
		8		Each	
16	<p>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.</p>				
	(i) 40 mm	150		P.Rft	
	(ii) 30 mm	210		P.Rft	
	(iii) 25 mm	70		P.Rft	
	(iv) 20 mm	80		P.Rft	
	(v) 13 mm	50		P.Rft	
17	<p>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.</p>				
	(i) 40 mm	2		Each	
	(ii) 30 mm	4		Each	
	(iii) 25 mm	4		Each	
	(iv) 20 mm	6		Each	
	(v) 13 mm	4		Each	
18	<p>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).</p>				
	(i) 1/2" Dia pipe	110		P.Rft	
	(ii) 3/4" Dia pipe	250		P.Rft	
	(iii) 1" Dia pipe	160		P.Rft	

19	Providing and fixing C.P. Brass handle valve. (Made in Italy).			
(i)	1/2" Dia pipe	5		Each
(ii)	3/4" Dia pipe	5		Each
(iii)	1" Dia pipe	2		Each
20	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).			
(i)	1-1/4" Dia pipe	80		P.Rft
(ii)	1-1/2" Dia pipe	80		P.Rft
(iii)	2" Dia pipe	100		P.Rft
21	Providing and fixing Gun Metal wheel Threaded Valve (Made in Italy).			
(i)	1-1/4" Dia pipe	1		Each
(ii)	1-1/2" Dia Valve	1		Each
(iii)	2" Dia Valve	4		Each
(iv)	4" Dia Valve	4		Each
22	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.	6		Each
23	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).	2		Each
24	Providing & fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws. (Superior Quality).			
(i)	Towel Rail 36" long	2		Each
(ii)	Towel Rail 30" long	2		Each

25	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.				
(a)	250 Gallons Fiber Tank	1			Each
(b)	400 Gallons Fiber Tank	1			Each
(c)	500 Gallons Fiber Tank	1			Each
26	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 platform 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.	2			Each
27	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 platform 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.	2			Each
28	Supply / Fixing M.S flanges 3/8" thick of 4" Dia	8			Each
29	Providing and Fixing Brass check Valve of 4" Dia	2			Each
30	UPVC Foot Valve of 6" Dia	2			Each
31	S/F of G.I Barred Nipple of 4" Dia	6			Each
32	Supply / Fixing U-PVC flanges 3/8" thick of 4" Dia	2			Each
33	Providing and fixing UPVC Pipe Schedule 80				
	a) 1/2" dia	200			Rft
	b) 3/4" dia	350			Rft
	c) 1" dia	220			Rft
	d) 1-1/4" dia	140			Rft
	e) 1-1/2"	140			Rft
	f) 2" dia	160			Rft
					TOTAL

PART 'C' INTERNAL ELECTRIFICATION WORK

1	Wiring for light, fan or plug point with 1.5 sq.mm single core, PVC insulated wire copper conductor wire in PVC Patti or cap casing On wall or roof etc, including 1 sq.mm single core PVC insulated wire as ECC as required.				
(i)	(From D. B to Switch Board)	50		P. Point.	
(ii)	(From Switch Board to Point)	40		P. Point.	
(iii)	(From Point To Point)	10		P. Point.	
2	Wiring for call bell point with 1.5 sq.mm single core, PVC insulated wire copper conductor wire in PVC Channel Patti or cap casing On wall or roof etc, including 1 sq.mm single core PVC insulated wire as ECC as required	2		P. Point.	
3	Wiring for two way point with 1.5 sq.mm single core, PVC insulated wire copper conductor wire in PVC Channel Patti or cap casing on wall or roof etc, including 1 sq.mm single core PVC insulated wire as ECC as required.	2		P. Point.	
4	Wiring for plug point with 1.5 sq.mm single core, PVC insulated wire copper conductor wire in PVC Channel Patti or cap casing over wall ,column, roof etc, including 1 sq.mm single core PVC insulated wire as ECC as required . (Nearest light plug).	5		P. Point.	
5	Circuit Wiring for distributing circuits with 2-1/1.38(3/.036) PVC insulated wire in PVC Channel Patti or cap casing on wall or roof (Maximum length of circuit from D.B To Switch Board should be 200 Rft or more).	10		Each	
6	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		Each	
7	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	5		Each	
(b)	Two gang Switch Plate	5		Each	
(c)	Four gang Switch Plate	10		Each	
(d)	Six gang Switch Plate	5		Each	
(e)	Eight gang Switch Plate	10		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)	10		Each
9	Providing & fixing 13Amps 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.	20		Each
10	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.	20		Each
11	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		Each
12	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.	10		Each
13	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		P.Job
14	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)	4		Each
15	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)	4		Each

16	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		Each
17	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)	12		Each
18	P/Fixing LED Pendent Light with 18 watts bulb in a fancy glass globe casing hanging on 4' Long hallow pipe rod of 3/4" dia pipe of approved make and design etc complete in all respects as per directives of Engineer Incharge.	4		Each
19	P/Fixing LED Fancy Light with 18 watts bulb and 12"x12" fancy bracket of approved make and design etc complete in all respects as per directives of Engineer Incharge.	4		Each
20	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.	10		Each
21	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	70		P.Rft
ii	4 Core - 10 Sq.mm	60		P.Rft
iii	4 Core - 16 Sq.mm	120		P.Rft
c	1 Core - PVC Cable as ECC (600/1000V)			
i	1 core -10 Sq.mm	150		P.Mtr
22	Providing and fixing L.E.D Energy Saver of approved make Design.			
i.	12 Watts	20		Each
ii.	24 Watts	20		Each
iii.	45 Watts	5		Each
iv.	85 Watts	2		Each
v.	400 Watts	1		Each
23	Providing & Fixing G.I Fan rod 3/4" Dia & 4' long duly painted with enamel paint of matching shade	20		Each

42	Supply, Installation, Testing & Commissioning of following Air Conditioning Split Unit Complete (Invertor Type) in all respect ready to operate complete in all respect. The work should be completed with control wiring with limited copper conducting as required. (Acson / Mitsubishi / Gree).				
a)	1.0 Ton Wall Mounted Split Type.	3			Each
b)	1.5 Ton Wall Mounted Split Type.	5			Each
c)	2.0 Ton Wall Mounted Split Type.	5			Each
43	Supply / Installation and Commissioning of Refrigerant copper piping (Liquid + Gas-1/2 + 1/4 +5/8+3/8) make Muller USA with expanded rubber foam Insulation (Make Aeroflex) Gas Charging if required. Control wiring in PVC conduit between internal and external units etc complete in all respects.	50			P.Rft
44	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 of consultant complete in all respect. CAT -6 (Data Cable and Telephone)	220			P.Rft
45	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.	1			Each
46	Supply/ Fixing of Industrial UPS 5 Kva i/c wiring with Dry Battery and necessary angle iron bracket for erecting UPS (Imported).	2			Each
47	Providing & Fixing PVC Insulated RJ-6 copper coaxial wires for TV cable i/c hooks and clips where as required.	120			P.Rft
PART 'C' INTERNAL ELECTRIFICATION WORK					

PART 'D' TELEPHONE & DATA SYSTEM					
1	Supply & installation of following telephone outlets (i/o + Face Plate) with back box.(Hussain make)				
a)	RJ-45 for telephone system.	10		No.	
b)	RJ-45 for Data system.	10		No.	
c)	RJ-45 for Data system. (Duplex)	10		No.	
2	Testing and Commissioning of all above items termination and connectivity at both ends, including submission of detailed test report from the Principals.	1		job	
TOTAL					

Sr.#	Description	Unit	Qty	Rate	Amount (Rs.)
PART 'E' AIR CONDITIONER WORK					
1	Supplying, testing & commissioning High ambient split type air conditions wall mounted with decorative grill electric-220 volt-50HZ, single phase capacity -12000 Btu (1 Ton net capacity) out Door condenser tube 360 psi tested evaporator 180 psi tested operation condition ambient 55 celicuse compressor T3 type tested on 60 celicuse ambient. i/c making holes with diamond bit, nut, bolts including cartage etc complete in all respect, as per sample approved by Engineer.	Nos.	5		
2	Supplying, testing & commissioning High ambient split type air conditions wall mounted with decorative grill electric-220 volt-50HZ, single phase capacity -18000 Btu (1.5 Ton net capacity) out Door condenser tube 360 psi tested evaporator 180 psi tested operation condition ambient 55 celicuse compressor T3 type tested on 60 celicuse ambient. i/c making holes with diamond bit, nut, bolts including cartage etc complete in all respect, as per sample approved by Engineer.	Nos.	5		
3	Supply & installation of split type air condition copper pipe including aeroflex & control wiring etc complete.	Rft	220		
4	Supply & installation angle iron stand as a foundation of split outer unit including fixing coloring etc complete.	Nos.	20		
5	Supply & installation of following sizes of G.I (14 gauge) Powder coated cable tray. Size 6" x 3"	Rft	60		
6	Supply & installation of best quality drain pipe UPVC including accessories such as bend, tees, etc complete. 3/4" Dia	Rft	110		
TOTAL					