

## **International Institute for Population Sciences**

Govandi Station Road, Deonar, Mumbai-400 088

☎ 022-25563254/55/56

Fax : 022-25563257

web site: [www.iipsindia.org](http://www.iipsindia.org)

### **TENDER NOTIFICATION**

**Notice Inviting Tender (NIT) for the maintenance and repair works, miscellaneous works, civil works and PH works of residential and non-residential buildings at Deonar and Nerul Campus, IIPS.**

### **TENDER NO. IIPS/ADMN./CIVIL MAINT./01/2010**

Name of the work	:	<b>Maintenance Contract for the above mentioned work.</b>
Earnest Money Deposit	:	<b>Rs. 50,000/- in the form of D.D. payable at <b>Mumbai</b> in the name of <b>Director, IIPS</b></b>
Date & Time of Closing of Tender	:	<b>11.03.2010 at 1.00 P.M.</b>
Date & Time for Opening of Tender (Part - B)	:	<b>11.03.2010 at 3.00 P.M.</b>
Address for submission of tender	:	<b>International Institute for Population Sciences Govandi Station Road, Deonar, Mumbai-400 088</b>
Place of opening of the Tender	:	<b>International Institute for Population Sciences Govandi Station Road, Deonar, Mumbai-400 088</b>

## **International Institute for Population Sciences**

Govandi Station Road, Deonar, Mumbai-400 088

☎ 022-25563254/55/56 Fax : 022-25563257

web site: [www.iipsindia.org](http://www.iipsindia.org)

### **Notice Inviting Tender (NIT) for the maintenance and repair works, miscellaneous works, civil works and PH works of residential and non-residential buildings at Deonar and Nerul Campus, IIPS.**

Sealed quotations are invited in the enclosed proforma (Part B) for the maintenance and repair works, miscellaneous works, civil works and PH works of IIPS residential and non-residential buildings of IIPS. The following terms and conditions apply:

- (1) The rates quoted shall be firm and will be inclusive of all statutory taxes levied by the Government of India.
- (2) The rates shall be valid for a period of one year from the date of opening of sealed tenders.
- (3) The party selected will have to deposit a security deposit of Rs.50,000/- for the whole duration of the rate contract i.e. one year.
- (4) The works will be executed as per the requirements of IIPS intimated from time to time.
- (5) Payments will be released on actual measurements executed within ten days from the time of satisfactory completion of work.

Tender documents shall be available from the Accounts Officer, IIPS, on payment of non-refundable tender cost of Rs.1000/- by cash / Demand draft drawn in favour of Director, IIPS, payable at Mumbai.

Tenderers requesting tender documents through post should include an additional amount of Rs.50/-, the mailing of tender will be wholly at the risk of the tenderers.

Last date of sale of tender documents :

Complete tender documents are also available on IIPS website address given below.

[www.iipsindia.org](http://www.iipsindia.org)

The documents downloaded by the parties from the website shall be valid for participation in the tender process. Those making use of the tender documents downloaded from the website shall have to pay the tender cost of the documents in the form of a demand draft, in a separate envelope along with the tender. Tender received without the requisite fee shall be considered as invalid ab-initio.

- Eligibility criteria:
- i. Average annual financial turnover during the last 3 years, ending 31<sup>st</sup> March of the previous financial year should be at least Rs. 5,00,000/- (Rupees five lakhs only)
  - ii. Experience of having successfully completed operation, maintenance and repair works, miscellaneous works, civil works and PH works of similar nature during last 3 years and should be as follows:
    - a) Three similar completed works each costing not less than Rs.5 lakhs per annum
  - iii. Should be registered with works contract cell of sales Tax, ESI & PF Department.
  - iv. Proof of registration with Government/Semi government organizations like Railways, PWD, CPWD, MES etc., in appropriate class and or having experience in carrying out similar type of works.
  - v. **IIPS Committee may add any other conditions or relax any of aforesaid conditions.**

Earnest money of amounting to Rs. 50,000/- by demand draft in favour of Director, IIPS, **payable at Mumbai** shall be submitted along with the tender in a separate envelope.

Tenders received without EMD/inadequate EMD shall be summarily rejected.

Two stage bid tender shall be submitted at IIPS, Mumbai, after due verification of check list enclosed with tender documents on or before **1.00 P.M. on 11.03.2010** the tender box available at reception of IIPS.

The technical bid shall be opened **at 3.00 p.m. on 11.03.2010** in the presence of tenderers or their authorized representatives present at the time of tender opening.

The Financial bid of only those parties who qualify in the first stage shall be opened at time and date to be notified separately.

International Institute for Population Sciences reserves the right to accept or reject any or all the tenders without assigning any reason.

## SPECIAL TERMS & CONDITIONS OF CONTRACT:

### 1. PERIOD OF CONTRACT

Repairs & Maintenance Contract shall be initially for a period of one year. However, IIPS at its discretion may extend the contract for a further period of one or two year under same terms & conditions.

### 2. TOOLS & PLANTS

All the general & special tools required for proper maintenance and repairs/break down etc, shall be arranged by the agency at his own cost and issue to the staff deployed by him for this work.

### 3. WATER & ELECTRICITY (if available)

IIPS will provide free water and electricity during repair and maintenance work at IIPS at one point. The agency has to make his own arrangements for installation of power and water from that point as per its requirement wastage of power and electricity should be avoided.

### 4. PERIOD OF OPERATION

The maintenance works of all the residential and non-residential buildings of IIPS at Deonar and Nerul campus of IIPS shall be operated round the clock on all weekdays including holidays during entire period of work order as per the requirement and instructions.

### 5. DEPLOYMENT OF STAFF

5.1 The agency should be well experienced in the field of maintenance of civil and repair works, miscellaneous works and PH works as specified in **Annexure**.

5.2 The agency shall deploy the staff on shift basis required number of skilled, semi skilled and unskilled labour for satisfactory completion of works to be provided .

5.3 A qualified Engineer of the agency shall visit and inspect all the works at Deonar and Nerul campus of IIPS and report signed by Officer-in-charge shall be submitted along with bill with all checklists test reports etc.

5.4 The Agency shall inform the name of the experienced and qualified person who will visit the site for maintenance works.

5.5 The Agency shall be fully responsible for any kind of accident/mis-happening to their staff as well as machineries while attending the complaints or at work in the IIPS premises.

5.6 Any extra labour of any nature if required, at any time for attending any special works shall be deployed by the agency at its own cost for which nothing extra shall be payable.

5.7 The staff of the Agency has to be courteous and maintain good behaviour at site with IIPS authorities. Any person found discourteous or misbehaving shall have to be replaced within 24 hours.

5.8 No labour below the age of 18 (eighteen) years shall be employed at the work site.

5.9 The Agency shall pay to labour employed by him wages not less than fair wages as defined by the agency's regulations or as per the provision of the contract labour (Regulation and abolitions) Act 1970 and the agency labour (Regulation and Abolition) Contract rules 1971 and payment of wages 1936, minimum wages act 1948, whichever applicable.

5.10 The Agency shall submit by 4th of every month to Officer-In-Charge a true statement in respect of preceding month:

1. No. of workers employed by him.

2. Their working hours.

3. The wages paid to workers.

4. Any other related information asked by IIPS.

5.11 All the employees will have to be covered under insurance against any personal accident and IIPS will not be liable for payment of any compensation on that account.

5.12 All the persons deployed by the Agency at IIPS site will have to carry valid gate passes, which will be issued only after submission of their bio-data in desired format. Any negligence/offence on their part will attract immediate removal from site.

- 5.13 Manpower deployed by the Agency at our site for carrying out contracted works is strictly prohibited being associated with any other works in the campus.
- 5.14 The agency should issue uniform & Identity Card to all of its employees within 15 days from the date of signing the contract failing which a suitable penalty may be imposed by competent authority.
- 5.15 All the responsibilities related to statutory requisite regarding labour and work lies with the Contractor and IIPS will not be responsible by any way regarding this matter.

6. **LABOUR LAWS**

The Agency shall abide by all the rules and regulations related to labour laws, accident, workmen compensation act, workmen insurance, ESI, PF, etc. This will be the sole responsibility of the agency. IIPS will not be a party at any stage in any of the disputes relating to the above. In case, any liability arises due to non-conformance by the agency, under no circumstances IIPS will be liable for the same.

7. **TERMINATION OF CONTRACT**

The Director, IIPS reserves the right to terminate the contract with an advance notice of one months without assigning any reasons. The contract can also be terminated at the request of agency, with an advance notice of one months falling which, the agency is liable to pay liquidated damages @5% of tendered value besides forfeiture of security deposit.

8. **FORCE MAJEURE:**

If any time, during the continuance of this contract, the performance in whole or in part by either party under obligation as per this contract is prevented or delayed by reasons of any war or hostility, act of the public enemy, civil commotion, sabotage, fire, flood, explosion, epidemic, quarantine restrictions, strike, lockout or acts of God (herein after referred to "eventuality"), provided notice of happening of any such eventuality is given by either party to the other within 21 days of the date of occurrence thereof, neither party shall be reason of such an "eventuality" be entitled to terminate this contract nor shall either party have any claim or damages against other in respect of such non-performance or delay in performance and deliveries under the contract. The contract shall be resumed as soon as practicable after such "eventuality" has come to an end or cease to exist. In case of any dispute, the decision of Director, IIPS, shall be final and conclusive, provided further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such eventuality for a period exceeding 30 days, either party may at its option, terminate the contract. Provided also that if the contract is terminated und-If this clause the IIPS shall be at liberty to take over from the Agency at a price to be fixed by the IIPS, which shall be final, all unused, undamaged and accepted materials, bought out components and other stores in the course of manufacture which may be in the possession of the agency at the time of such termination, or such portion thereof as the IIPS may deem, fit except such material, as the agency may, with the concurrence of the IIPS, elect to retain.

9. **GENERAL LINE**

Whenever under this contract any sum of money is recoverable from and payable by the agency, the IIPS shall be entitled to recover such sum by appropriating in part or in whole the security deposit of the agency, if a security is taken from the agency. In the event of the security being insufficient or if no security has been taken from the agency, the balance or the total sum recoverable, as may be, shall be deducted from any sum due to the agency or which at any time thereafter may become due to the agency under this or any other contract with the IIPS. If this sum is not sufficient to cover the full amount recoverable, the agency shall pay the IIPS on demand the remaining balance due.

10. **SUB-CONTRACTING**

The bidder cannot assign or transfer and sub-contract its interest /obligations under the contract without prior written permission of the IIPS.

**11. ARBITRATION**

- 11.1 In the event of any dispute arising between IIPS and the agency in any matter covered by this contract or arising directly or indirectly there from or connected or concerned with the said contract, the matter shall be referred to The Director, IIPS who may himself act as sole arbitrator or may name as sole arbitrator an officer of IIPS notwithstanding the fact that such officer has been directly or indirectly associated with this contract and the provisions of the Indian Arbitration Act shall apply to such arbitration. The agency expressly agrees that the arbitration proceedings shall be held at IIPS, Mumbai.
- 11.2 In case any agency wants to take the dispute to a court of law after arbitration award as aforesaid, it is clearly understood that only courts in Mumbai shall have the Jurisdiction.

**12. RESOLUTION OF DISPUTE**

- 12.1 If any dispute arises between the parties hereto during the subsistence of thereafter in connection with the validity, interpretation, implementation breach of any provision of the contract or regarding a question, including the questions as to whether the termination of the contract by one party hereto has been legitimate, both parties hereto shall endeavour to settle such dispute amicably. The attempt to bring about an amicable settlement is considered to have failed as soon as one of the parties hereto, after reasonable attempts which shall continue for not less than 30 (thirty) days, given 15 days notice thereof to the other party in writing.
- 12.2 The place of the arbitration shall be IIPS, Mumbai.
- 12.3 The Arbitration proceeding shall be governed by the Arbitration and Conciliation Act of 1996 as amended from time to time.
- 12.4 The proceedings of arbitration shall be in English language.

**13.1 TERMINATION FOR DEFAULT**

- 13.1 The IIPS may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the agency, terminate this contract in whole or in part.
- a) If the agency fails to deliver any or all the services within the time period(s) specified in the contract, or any extension thereof granted by the IIPS.
- b) If the agency fails to perform any other obligations under the contract and
- c) If the agency, in either of the above circumstances, does not remedy his failure within a period of 15 days (or such longer period as the IIPS may authorize in writing) after receipt of the default notice from the IIPS.
- d) On a notice period of 30 days.
- 13.2 In the event the IIPS terminates the contract in whole or in part pursuant to above para the IIPS may hire the agency at the risk and cost of working agency under contract as IIPS deems appropriate. However the agency shall continue the performance of the contract to the extent not terminated.

**14. RIGHT TO BLACK LIST**

IIPS reserves the right to blacklist a bidder for a suitable period in case he fails to honour his bid without sufficient grounds.

**15. SUPPLY OF STATIONARY**

- 15.1 Log book and complaint books, all stationary like registers, sheets, markers, pens, pencils, cleaning cloth and grease etc., will be supplied by agency and no extra payment towards for these shall be made. Log book Performa must be approved by Registrar IIPS.

**PART – B (PRICE BID)**

Nature of work: Annual maintenance and repairs of residential & Non-residential buildings at IIPS, Campus at Deonar and Nerul.

**Schedule of Items**

<b>Sl. No.</b>	<b>Unit of measurement</b>	<b>Description of Item</b>	<b>Estimated Rate Rs.</b>	<b>Quoted Rate Rs.</b>
1.	Cu.M.	<p align="center"><b><u>Earth Work</u></b></p> <p>Earth work excavation over areas in all soils except soft and hard rocks and disposing off the surplus soil out side campus etc. complete all as per specification &amp; as directed by the E-I-Charge.</p>	<b>124.00</b>	
2.	Cu.M.	Excavation in foundation / trenches / pits / drains etc. in all soils other than soft & hard rock upto a depth not exceeding 1.50 M. including shoring and dewatering if necessary and refilling with selected excavated earth in layers not exceeding 250mm consolidating & disposing surplus earth out side etc. complete all as per specification directed by the E-I-Charge.	<b>133.00</b>	
3.	Cu.M. Cu.M. Cu.M. Cu.M.	<p align="center"><b><u>Concrete Work</u></b></p> <p>Plain cement concrete using graded stone aggregate of 20mm max. size including consolidation, finishing, curing, cost of form work, shuttering, centring etc. complete all as per specification &amp; as directed by the E-I-Charge.</p> <p>a) 1:4:8 b) 1:3:6 c) 1:2:4 d) RCC for columns/Chajjas etc. M-20 Cement – 43/53 Grade OPC or PPC with test reports. Cubes to be casted and tested as per instruction of E. I. Charge.</p>	<b>2518.00</b> <b>2850.00</b> <b>3468.00</b> <b>4750.00</b>	
4.	MT.	<p>Reinforcement for reinforced cement concrete at all floors &amp; levels including, supplying, cutting, bending, fixing and tying in position with 18 gauge GI binding wire including cost of binding wire, labour etc. complete all as per specifications and as directed by the Engineer-in-Charge. Note:- Binding wire required for the work will have to be supplied by the contractor &amp; the same will not be measured for payment.</p> <p>a) With high yield strength deformed bars (Tor steel, Fc 415, Tata SAIL Vaizag – test reports to be submitted along with material random testing to be arranged as per instruction of E. I. Charge.</p>	<b>32300.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
5.	Cu.M. Cu.M.	<p align="center"><b><u>Brick work</u></b></p> <p>Brick work in cement mortar 1:5 using well burnt locally available bricks of approved quality including scaffolding raking out joints above ground level &amp; pointing below ground level, curing etc. complete all as per specifications &amp; as directed by the Engineer-in-charge.</p> <p>a) In foundation &amp; plinth, drain walls, chambers etc. b) In super structure at all floors and levels</p>	<p align="right"><b>2375.00</b></p> <p align="right"><b>2423.00</b></p>	
6.	Sq.M Sq.M.	<p>Half brick masonry using well burnt locally available bricks of approved quality in cement mortar 1:4 at all floors and levels including RCC 1:2:4, 115mm wide &amp; 80 mm thick stiffeners at every one metre height with 2 Nos. of 8 mm dia reinforcement bars including form work, scaffolding, raking out joints, curing, etc. complete all as per specifications &amp; as directed by the Engineer-in-charge.</p> <p>a) In partition walls with stiffeners. b) In partition walls with out stiffeners</p>	<b>380.00</b>	
7.	Cu.M. Cu.M.	<p align="center"><b><u>Stone Masonry</u></b></p> <p>Random rubble masonry using spotless black trap or approved locally available stone in cement mortar 1:5 including raking out joints, scaffolding simultaneous flush pointing using through bond stones at every 900mm in horizontal &amp; vertical courses of each layer, including AC pipe 50 mm dia weep hole at 1.5m c/c in horizontal &amp; in vertical, curing etc. complete all as directed by the Engineer-in-charge.</p> <p>a) In foundation &amp; ground level upto plinth. b) In super structure.</p>	<p align="right"><b>1568.00</b></p> <p align="right"><b>1686.00</b></p>	
8.	Cu.M. Cu.M.	<p>Random rubble masonry using available stone from demolition/dept supply, in cement mortar 1:5 including raking out joints, scaffolding simultaneous flush pointing using through bond stones at every 900 mm in horizontal &amp; vertical courses of each layer, including AC pipe 50mm dia weep hole at 3m c/c. curing etc. complete all as directed by the Engineer-in-charge. (Note: Rubble some supplied by dept. free of cost)</p> <p>a) In foundation &amp; ground level upto plinth. b) In super structure.</p>	<p align="right"><b>570.00</b></p> <p align="right"><b>658.00</b></p>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
9.	Sq.M. Sq.M.	<p style="text-align: center;"><b><u>Flooring</u></b></p> <p>Providing and laying rubble stone soling using spotless stones of consolidated thickness as specified below with stones vertically hand set interstices packed with smaller stone chips, binding with murrum watering, consolidating &amp; finishing to required levels etc. complete all as directed by the Engineer-in-Charge.</p> <p>a) 150 mm thick (rubble stone supplied by dept) b) 150 mm thick (rubble stone supplied by contractor)</p>	<p style="text-align: center;"><b>60.00</b></p> <p style="text-align: center;"><b>95.00</b></p>	
10.	Sq.M.	Providing Indian patent stone flooring 40mm thick at all floors & levels, in cement concrete 1:2:4 using graded stone aggregate of 10 mm max. size laid to proper level or slope in alternate bays in panels of required sizes finished smooth, curing, including removing carefully existing damaged/ worn out flooring and disposing off debris out side etc. complete all as per specifications & as directed by the Engineer-in-Charge.	<b>197.00</b>	
11.	Sq.M. Sq.M.	<p>Kotah stone flooring / dado/ skirting at all floors &amp; levels using 25 mm to 30 mm thick hand cut machine polished kotah stone slabs laid over cement mortar bedding as specified below, close jointed &amp; pointed with matching slurry of cement finished to levels, slope or plumb, curing including removing carefully existing damaged/ worn out flooring and dado &amp; disposing off debris outside etc. complete all as per specifications &amp; as directed by the EIC.</p> <p>a) In flooring with cement mortar 1:4, 20mm thick bedding and machine polishing after laying.</p> <p>b) In dado / skirting with 20 to 25 mm thick kotah stone slabs laid over cement mortar 1:3 backing 12 mm thick with exposed edge machine cut and surfaces hand polished after laying.</p>	<p style="text-align: center;"><b>678.00</b></p> <p style="text-align: center;"><b>451.00</b></p>	
12. (a)	Sq.M.	Providing and laying of Kotah stone for stair treads with 3 line grooves and nosing at all floors & levels using 25 mm to 30 mm thick hand cut machine polished Kotah stone slabs laid over 1:4 cement mortar bedding including curing hand polishing removing old damaged / worn out tread and disposing off debris out side etc. All complete as per specification and as directed b EIC	<b>546.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
12. (b)	Sq.M.	Providing and laying of Kotah stone 25 mm thick risers of approved size and laid over 1:3 Cement mortar backing of 12 mm thick at all level and floors including cutting to required size, curing, removing of old damaged / worn out risers and disposing off out side all as directed by EIC.	<b>523.00</b>	
13.	Sq.M.	Providing & laying glazed ceramic tiles in flooring / dado using 200 mm x 300 mm x 6 mm thick, 200 mm x 200 mm x 6 mm thick (or) other specified size to match with existing tiles of first quality of make Kajaria / Bell/ Pilkington / Johnson / Eastern Ceramics or equivalent approved make and colour over 20 mm thick cement mortar 1:3 bedding close jointed & pointed with matching cement slurry & finished to levels, slope or plumb in quantities as required at various locations acid washing etc. including removing carefully existing damaged / worn out flooring and dado & disposing off debris outside etc. complete all as per specifications & as directed by the Engineer-in-Charge. a) In dado using 150 x 150 x 6 mm thick/200 mm x 200 mm x 6 mm (or) other specified size with 6 mm thickness.	<b>618.00</b>	
14.	Sq.M. Sq.M.	Providing and laying ceramic tiles in flooring/dado, approved make & shade using 1 <sup>st</sup> quality Spartex or other approved equivalent tile of size 200 x 200 mm/ 200 mm x 300 mm over cement mortar 1:3, 20mm thick backing,(mixed with approved waterproofing compound @ 2% of cement) laying to line, level & plumb including cutting of tiles, including pointing the joints with neat white cement with matching pigment etc. including removing damaged dado/flooring and disposing of debris out side etc. complete all as per specifications and as directed by the Engineer-in-charge. a) For flooring using 200mm x 200mm x 6 mm thick Non slippery ceramic tiles. b) For dado/ skirting using 200mm x 300mm x 6 mm thick ceramic tiles. c) 600x600mm marbo granite tiles flooring	<b>713.00</b> <b>641.00</b>	
15.	Sq.M.	Providing and fixing asbestos cement corrugated/semi-corrugated sheets 6 mm thick in roofing including all overlaps mitring, supplying and fixing necessary 'J' or 'L' hooks, bolts, nuts and bituminous and G.I. Washers as per manufacturers code of practice and cutting the asbestos as sheets as required scaffolding etc. including removing	<b>300.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
		existing damage asbestos cement sheet and disposing off debris out side colony etc. complete all as per specifications & as directed by the Engineer-in-charge.		
16.	Cu.M.	<p><b><u>Wood Work</u></b></p> <p>Providing and fixing second class teak wood in frames of required sections for doors windows, ventilators, partition, railing, battens and rafters etc. wrought framed and fixed in position including providing and fixing M.S. hold fasts of size 200 x 30 x 3 mm embedded in concrete block of P.C.C. 1:3:6 and labour for fixing frame in position including applying one coat of approved wood primer &amp; two coats of synthetic enamel paint to the exposed surfaces and two coats of bituminous paint to the surface of frames in contact with masonry concrete etc. including removing the old damaged frames and transporting to Deptt. Stores and making the adjacent plaster good to match with existing surface.</p>	<b>66500.00</b>	
17.	Cu.M.	<p>Repairs to the existing door frame of bath, W.C., etc. by replacing part of the frame with 2<sup>nd</sup> class teak wood at site of work by:</p> <p>i) Cutting of the damaged/decayed portion of the door frame without disturbing/removing of the existing frame.</p> <p>ii) Providing wood with 2<sup>nd</sup> class teak wood as per the existing frame for repairing of the damaged/decayed portion of the frame including making lap joints for jointing the new wood with old wood work by fixing necessary screws and synthetic adhesive etc. complete.</p> <p>iii) Fixing the repaired door frame in position with embedding the frame upto 50 mm depth in the floor and fixing screws to the wall including breaking of the floor for making pocket, applying two coats of bituminous paint to the surfaces of frames in contact with masonry/concrete, repairing floor with P.C.C. 1:2:4 finishing, including two coats of synthetic enamel paint over one coat of primer to the exposed surface &amp; disposing of debris outside etc. complete all as directed by the E.I. charge.</p>	<b>60325.00</b>	
18.		Providing and fixing second class CP. Teak wood of required sizes and sections for repairing the styles & nails & battens of panelled and battened door shutters of various flats of all floors, including carefully removing the existing door shutters & removing with fittings & fixtures		

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
	Cu.M. Sq.M.	damaged/decayed teak wood nail/ styles battens and plywood panel of shutters, cutting planing & jointing the wood, providing and fixing necessary screws and glueing the lap joints with synthetic adhesive fivicol or equivalent, planing and finishing the new wood work to match with old work in proper line and level including cost of fixing the door shutters with all fittings & fixtures with one coat synthetic enamel paint over one coat of primer on new work and one coat of paint over entire surfaces of shutters etc. disposing of debris out side etc. complete all as directed by the E-In-charge. a) Teak wood b) 12mm thick marine ply confirming to IS 710-1989.	<b>56905.00</b> <b>513.00</b>	
19.	Sq.M. Sq.M.	Providing and fixing approved quality block board of Anchor/Mysore/Kitply or equivalent approved make in following thickness including cutting to required sizes and fixing the same with necessary nails/screws/adhesives in partitions, cupboard shelves, kitchen cabinets etc. at all floors and location including providing and fixing 6mm thick teak wood beading to all exposed edges of blackboard including cost of nails, screws, adhesive, wastage in cutting, transportation etc. including cost of fixing the fittings, painting the surface with two coasts of synthetic enamel paint over a cost of primer etc. including removing shutter/shelves and transporting to deptt. Stores, complete all as directed by the E.I- Charge. a) 20 mm thick block board shutter including providing and fixing as piano hinges 35 mm wide. b) 25 mm thick block board shelves.	<b>855.00</b> <b>903.00</b>	
20.	RM	Providing and fixing C.P. teak wood moulded beading (architrave) of sizes mentioned below around door and window frames at all floors and locations with necessary screws including two coats of painting with one coat of approved primer including cost of screws, wastages in cutting, transportation etc. including removing the old damaged beading and disposing the same complete all as directed by the Engineer-in-charge. a) Size 40 mm x 20 mm.	<b>71.00</b>	

<b>Sl. No.</b>	<b>Unit of measurement</b>	<b>Description of Item</b>	<b>Estimated Rate Rs.</b>	<b>Quoted Rate Rs.</b>
21.	Sq.M. Sq.M. Sq.M	<p>Providing and fixing ordinary plain/ frosted/ Baraja sheet glass of approved make of following thickness in various sizes as required at site, fixing to windows/louvers, partitions, vision panels doors etc. using first class oil putty of approved quality and make including supplying and fixing glazing pins, teak wood or aluminium beading with necessary the glass to required size, removing the existing broken/ damaged glass panes from windows/ doors/ partitions etc. along with its old oil putty, beading etc. and disposing off the un-serviceable material out side including wastage in cutting, transportation etc. complete all as directed by the E.I. Charge.</p> <p>a) 4 mm thick plain sheet glasses. b) 5.5mm thick plain sheet glass c) 4mm thick Bajra sheet glass</p>	<p><b>475.00</b> <b>665.00</b> <b>425.00</b></p>	
22.	Sq.M Sq.M. Sq.M. Sq.M.	<p>Supplying and fixing in position the following type of solid core block board flush door shutters with commercial ply on both side conforming to IS with external type teak wood lipping of section 35 x 20 mm/38 x 20mm all-round fixing shutters in position to pressed steel door frames/wooden frames at all floors by cutting/ planning if necessary, including supplying &amp; fixing heavy duty MS oxidised hinges including cost of fixing the fittings, painting the shutters all over with two coats of synthetic enamel paint of approved make &amp; colour over one coat of approved primer etc. including removing the old damaged shutter and transporting to Deptt. Stores all as per specifications, and as directed by Engineer-in Charge.</p> <p>a) For door 35 mm thick b) For door 38 mm thick c) 20 mm thick d) 25 mm thick</p>	<p><b>1235.00</b> <b>1330.00</b> <b>998.00</b> <b>1045.00</b></p>	
23.	Sq.M.	<p>Providing and fixing in position 2<sup>nd</sup> class C.P. teak wood panelled door shutters of 35 mm thickness styles and top rail 100 mm wide &amp; lock and bottom rail 175 mm – 200 mm wide. With treated under vacuum pressure and kiln seasoned secondary species timber with insert panels of 12 mm thick marine plywood including supplying &amp; fixing heavy duty MS oxidized hinges including painting the shutters all over the two coats of synthetic enamel paint of approved make and colour over one coat of approved primer etc. including cost of fixing the fittings, removing</p>	<b>2755.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
		the old damaged shutter and transporting to Deptt, stores all as per specifications and as directed by Engineer-in-charge.		
24.	Sq.M.	Providing and fixing 6 mm thick plain A.C. sheet in any type of work as directed at all floors and locations including fixing the sheet to existing wooden/ M.S./ aluminium framework with necessary screws, forming grooves as required sizes making necessary openings/cut outs around electrical units fixing the sheets to correct line and level, including cost of screws, wastage in cutting etc. including removing existing damaged asbestos cement sheet and disposing off debris out side , if any etc. complete all as directed by the Engineer-in-charge.	<b>197.00</b>	
25.		Supplying only heavy duty superior quality matt finished anodised (anodic coating not less than Grade AC10 as per IS 1868) ISI marked aluminium fitting and fixtures and fasteners along with necessary CP screws, bolts, nuts, washers etc. as per approved sample etc. complete all as directed by the E.I.C.		
	Nos.	a) Bow Handle 100 mm long with back plate 'D' section.	<b>43.00</b>	
	Nos.	b) Tower bolt 200mm long with 10mm dia barrel.	<b>38.00</b>	
	Nos.	c) Tower bolt 150 mm long with 10 mm dia barrel.	<b>33.00</b>	
	Nos.	d) Door stoppers with rubber bushing.	<b>43.00</b>	
	Nos.	e) 16 mm dia barrel with extra looking arrangement.	<b>48.00</b>	
	Nos.	f) Baby latch 75 mm long with 10 mm dia barrel.	<b>60.00</b>	
		Note: A sample of each material listed above should be got approved by E.I.C. before supply.		
26.		<b><u>Plastering &amp; Painting</u></b>		
		Cement plastering for internal wall & ceiling with cement mortar 1:4 or 1:6 with prepacked Gujarat Sand double washed and graded finished smooth with neeru over brick walls or concrete surfaces including cleaning the surfaces at all floors & levels, including scaffolding, curing etc. including removing existing damaged/worn out plastering and disposing off debris out side etc. complete all as per specifications and as directed by the Engineer-In-Charge.		
	Sq.M.	a) 12 mm thick	<b>90.00</b>	
	Sq.M.	b) 20 mm thick	<b>166.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
27.	Sq.M.	<p align="center"><b><u>Painting Work</u></b></p> <p>White washing for ceiling &amp; walls of rooms and staircases in two coats on old works with lime of approved quality by adding blue and glue in required quantity including scaffolding, scrapping, wherever required, cleaning the surface with sand paper and fibre broom and filling the cracks, holes, with approved putty and making even surfaces etc. complete as per specifications including cleaning of floors, doors, windows etc. as directed by the Engineer-in-Charge.</p>	<b>7.00</b>	
28.	Sq.M.	<p>Distemping with two coats of synthetic oil bound distemper of approved shade and make over one coat of approved cement primer including preparing the surface removal of old paint if any, sand papering filling with approved make putty wherever required scaffolding including cleaning of floors, doors and windows etc. as per specifications and as directed by the E.I.C. 1<sup>st</sup> quality Asian, Berger, Nerolac, or equivalent paint to be used.</p> <p>-do- but Acrylic (Plastic) Paint in place of distemper.</p>	<b>51.00</b>  <b>76.00</b>	
29.	Nos.	<p align="center"><b><u>External Chajja Fixing Work.</u></b></p> <p>Providing and Fixing (P/F) M.S. Angels (with anticorrosive paint) for Chajja Frame works and fixing old aluminium sheet at Bldgs.</p>	<b>285.00</b>	
30.	Nos.	P/F M.S. Box Grill Welding including anticorrosive painting for Windows in Official and Residential zone.	<b>65.00</b>	
31.	Nos.	Painting of M.S. Angles with anticorrosive paint used for supporting water Tank Ladder.	<b>86.00</b>	
32.	Sq.M.	P/F interlocking paver block with necessary bedding. (Rates to be given for 40/60 mm thick both) Test Certificates for paver block strengths to be given.	<b>665.00</b>	
33.	Nos.	Labour charges for breaking of brick wall for exhaust fans opening & finishing with plastering.	<b>103.00</b>	
34.	Nos.	P/F Sintex water tank capacity 2000 lit. in flats with necessary plumbing.	<b>11400.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
35.	Sq.M.	<p><b>External Plastering work of all the residential and non-residential buildings of IIPS.</b></p> <p>Breaking the damaged plaster casting away the debris outside campus, erecting double scaffolding and providing Sand faced cement plaster 20mm thick in 2 coats over exterior masonry with ready made, washed, graded, sacked in bags sand or clean river sand in 1:4 with integral water proofing compound manufactured by M/s. Perma Construction Aids Pvt. Ltd., Pidilite or equivalent as per specifications.</p>	<b>231.00</b>	
36.	Sq.M.	<p><b>Repairing to damaged RCC chambers:</b></p> <p>Removing damaged portion carting away the debris outside premises, applying rust Remover, cleaning with jet pressure, applying bond coat &amp; repairing in layers with polymer mortar &amp; quartz sand as per manufacturer's specification. Polymer of M/s. Perma Construction Aids Pvt. Ltd. Pidilite or equivalent. Curing to be done for intermediate layers for 2-3 days &amp; for 7 days after completion.</p>	<b>950.00</b>	
37.	m <sup>2</sup> R.M.	<p><b>P/F mosquito net &amp; teak wood patti at Nerul Quarters:</b></p> <p>P/F mosquito PVC Net P/F teak wood patti 25mm x 40mm</p>	<b>204.00</b> <b>24.00</b>	
38.	m <sup>2</sup>	P/F aluminium sheet at terrace door shutter.	<b>333.00</b>	
39.	m <sup>2</sup>	Supplying & laying 100mm thick biscuit colour rough shahabad stone for paving in footpath in at IIPS, Deonar.	<b>325.00</b>	
40.	Nos.	Labour charges only for concealed wiring at New Hostel rooms.	<b>145.00</b>	
41.	m <sup>2</sup>	Providing & applying machine mirror polish to existing mosaic tiles.	<b>76.00</b>	
42.		Terrace water-proofing with 5 years guarantee to all buildings at Deonar & Nerul by removing old treatment, carting away the debris outside campus. Water jet cleaning, opening all the cracks with grinder filling with non-shrink polymer base crack filler.		

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
	Sq.M.	Carrying out brick bat coba in 1:4 mix with waterproofing compound. 7 days ponding & finishing with IPS 100 mm thick etc complete.	<b>713.00</b>	
43.	Nos.	P/F S.S. Jali at window at IIPS New Hostel.	<b>67.00</b>	
44.	Nos.	<b>Extra fittings for toilets renovation in New Hostel Block:</b>	<b>166.00</b>	
	Nos.	P/F C.P. Brass Towel Rod with Sockets 20mm dia – 600mm long.	<b>380.00</b>	
	Nos.	P/F Decorative Wall Hung Mirror 600mm x 450mm.	<b>133.00</b>	
	Nos.	P/F Fancy type Soap Dish.	<b>380.00</b>	
	Nos.	P/F C.P. Brass Jet spray with all fittings.	<b>475.00</b>	
	Nos.	P/F C.P. Brass Hand Shower.	<b>86.00</b>	
	Nos.	P/F C.P. Brass two way hook.	<b>76.00</b>	
		P/F C.P. Brass Nahani trap grating.		
45.		<b>Renovation of Bathrooms of New Hostel, IIPS, Deonar:</b>		
	Nos.	Providing, laying, jointing, fixing and testing heavy quality (Class 'C') G.I. pipe Tata or Zenith make as per IS 1239 including fittings like elbows, collars tees, unions, couplings, reducers, enlarges, bends and all other fittings, required. a) 15 mm dia	<b>71.00</b>	
	Nos.	Providing and fixing wash basin with Pedestal with all fittings.	<b>1900.00</b>	
	Nos.	P/F European water closet suite	<b>1045.00</b>	
	Nos.	P/F C.P. Brass concealed Stop cock of 15mm n.b. of Jaguar or equivalent make	<b>380.00</b>	
	Nos.	P/F C.P. Brass Bib cock of 15mm n.b. of Jaguar or equivalent make	<b>285.00</b>	
	Nos.	P/F C.P. Brass Over head shower with arm of 15mm n.b. of Jaguar or equivalent make	<b>238.00</b>	
	Nos.	P/F C.P. Brass wall mixer of 15mm n.b. of Jaguar or equivalent make.	<b>2850.00</b>	
46.	Sq.M.	<b>Renovation of entrance Lobbies in IIPS buildings:</b> Cuddappah stone flooring over a bed of cement mortar 1:3, 20 mm thick including polishing, grinding for nosing by	<b>428.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
		dismantling existing flooring including disposal of debris outside premises.		
47.	m <sup>2</sup>	Providing and fixing in position 15-18mm thick machine polished granite slabs of approved colours and quantity including machine hand cut polishing, etc in cement mortar 1:3 with best finishing curing, complete in skirting of 100mm i) Black Granite	<b>2565.00</b>	
	m <sup>2</sup>	a) P/F plain glazed ceramic tiles in approved shade and texture with matt finish (Kajaria, Nitco Bell or Johnson makes or approved design and pattern in flooring treads of steps and landing etc., on bed of 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), exposed edges with mitred joint; fixing the tiles with neat cement slurry @ 3.30 kg. cement per square metre area; 3mm deep racking of joints and flush pointing with white cement mixed with pigment to match the shade; necessary curing and finally cleaning the surface with dilute acid etc. complete as per the direction of E-in-C.	<b>580.00</b>	
48.	No.	<b>Providing and applying French polish at Dining Hall in IIPS:</b> French polishing of Dining Table, Chairs, Wooden Cupboard etc.	<b>137.00</b>	
	No.	Dining Hall main door lock repair.	<b>238.00</b>	
49.	Nos.	P/F locking M.S. Patti at Water Tank opening.	<b>285.00</b>	
50.	Job	<b>P/F &amp; painting of M.S. Poll with pully at Basket Ball Court:</b>		
	No.	P/F M.S. pole with pulley including 2 coats of painting over primer with 1 <sup>st</sup> quality paint from Asian, Berger or equivalent.	<b>2850.00</b>	
51.	Sq.M.	<b>P/F extra fitting in Bedroom Cupboard at Nerul:</b> P/F cupboard shutter sunmica	<b>266.00</b>	
	Nos.	P/F Baittia lock (brass)	<b>190.00</b>	
	Nos.	P/F tower bolt	<b>86.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
52.		<b>P/F Extra G.I. Pipe fittings: (IS make, heavy duty)</b>		
	No.	P/F New gate valve 50mm	<b>903.00</b>	
	No.	P/F New Ferrule 40mm	<b>665.00</b>	
	No.	P/F New Ferrule 50mm	<b>950.00</b>	
53.		<b>P/F G.I. Pipe Annexe Bldg to Pump House: 'C' class heavy duty IS Mark Tata/ Zenith</b>		
	R.M.	P/F G.I. Pipe 40 mm dia	<b>162.00</b>	
	R.M.	P/F G.I. Pipe 50 mm dia	<b>200.00</b>	
	Nos.	P/F G.M. Gate valve 40 mm dia	<b>808.00</b>	
54.		<b>External Painting of Compound Wall at IIPS:</b>		
	Sq.M.	P/A two coats of water proof cement paint after cleaning with jet & crack filling with polymer based product	<b>48.00</b>	
	Sq.M.	Painting of Fencing jali with – Enamel Paint 1 <sup>st</sup> quality Asian, Berger or equivalent in 2 coats after thorough cleaning and necessary primer.	<b>57.00</b>	
55.	Sq.M.	<b>Paint to External Walls:</b> Cleaning with jet opening all the cracks with grinder filling with polymer based non-shrink crack filler applying coats of weather proof breathable paint of Perma Chemicals, Pidilite or equivalent (Perma Wall Guard or Pidilite Rain Coat) as per specifications	<b>100.00</b>	
56.		<b>Transportations of debris from IIPS Garden:</b>		
	Cu.M.	Garden Area – cleaning & debris shifting.	<b>361.00</b>	
57.		<b>Supplying &amp; laying Murrum at IIPS:</b>		
	Trucks	Murrum filing & leveling.	<b>2375.00</b>	
	days	Supplying of JCB including Driver DA.	<b>1093.00</b>	
	Days	Supplying of roller for ground levelling.	<b>2850.00</b>	
58.		<b>Providing Labour</b> (a) Skilled Labour (Carpenter, Mason, Plumber, etc.) (b) Unskilled Labour ( - do - ) Working hours of this labour will be 8 hrs., and rate must be quoted per day.	<b>200.00</b> <b>150.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
59.	RM RM RM RM RM RM	<p>Providing, laying, jointing, fixing, testing &amp; painting heavy quality (Class 'C') Tata/ Zenith Galvanized pipes as per I.S. 1239 including fittings like elbows, collars, toes, unions, Coupling, reducers, enlargers, bends and all other fittings required for the completion except screwed flanges confirming to I.S. 1239 – 1968 &amp; also as per their code of practice of water supply in building of I.S.2065 – 1972 including laying under floors, chasing in walls, roof stabs and making good the same to the original conditions, including the cost of all jointing materials like hemp yarn, white or red lead, clamps, wooden gut ties, screws, cement sand etc. complete testing the pipes with clean water as per specifications and as directed by the Engineer-in-charge.</p> <p>a) 15 mm n.b. b) 20 mm n.b. c) 25 mm n.b. d) 32 mm n.b. e) 40 mm n.b. f) 50 mm n.b.</p> <p>NOTE: The measurement shall be taken along the centre line of pipes &amp; fittings or specials but excluding flanges.</p>	19.00 24.00 29.00 33.00 38.00 43.00	
60.	Nos.	Providing & fixing approved Orissa patterns w.c. comprising of Orissa Pattern w.c. with 'P' or 'S' trap best Indian make in white glazed vitreous China were of size 580 mm x 400mm including the cost of removing the existing damaged/broken and making good the surrounding with cement mortar/concrete tiles etc., making to the level to enable fixing tiles existing finish etc. complete all as directed by the Engineer-in-charge.	<b>1425.00</b>	
61.	Nos.	<p><b>Providing and fixing HEALTH (ANGLO INDIAN) WATER CLOSET comprising.</b></p> <p>a) Health (Anglo-Indian) water closet best Indian make in white glazed vitreous, with integral 'P' or 'S' trap. b) With plastic low level flushing cistern 10 ltrs. Capacity of matching white shade best quality champion or approved equivalent, IS: 7231 complete with all internal fittings, mounted on a pair of white enamel painted brackets. c) 15 mm n.b. heavy quality PVC inlet connection with brass union at ends. d) 15 mm n.b. screw down heavy quality C.P. brass stop cock conforming to IS: 786.</p>	5510.00	

<b>Sl. No.</b>	<b>Unit of measurement</b>	<b>Description of Item</b>	<b>Estimated Rate Rs.</b>	<b>Quoted Rate Rs.</b>
		e) Solid heavy quality plastic seat with lid of approved make and colour with C.P. brass pillar hinges, conforming to IS: 2548.		
62.	Nos.	Providing & fixing approved quality 10 ltrs. To 12.5 ltrs. Capacity flushing cistern with all internal fittings, pull chains etc. mounted on brackets & cistern painted with 3 coats of approved paint including cost of removing/dismantling the existing one etc. complete all as directed by the Engineer-in-charge. 1) PVC cistern ISI mark approved by BMC.	<b>808.00</b>	
63.	Nos. Nos.	Replacement of existing damaged wash basin of following sizes white glazed vitreous china ware supported on suitable wall brackets including cost of removing the existing broken/damaged wash basin and re-fixing the existing fixtures of supplied by the Department free of cost etc. complete all as directed by the Engineer-in Charge. a) 550 mm x 400 mm b) 450 mm x 300 mm	<b>804.00</b> <b>599.00</b>	
64.	RM	Labour charges only for removing G.I. Pipe of any size with all fittings etc. complete all as directed by the Engineer-in-charge	<b>12.00</b>	
65.	Nos. Nos.	Providing and fixing mirrors made out of best Indian glass 5.5mm thick of approved manufacture, mounted on asbestos cement sheet 6mm thick fixed in position with 4 Nos. C.P. brass screws with detachable C.P. brass caps washers, rawl plugs, glass with bevelled edge etc. complete all as directed by the Engineer-in-charge. a) Size 600 x 450 mm. b) Size 450 mm x 400 mm.	<b>380.00</b> <b>333.00</b>	
66.	Nos.	Providing and fixing C.I. Nahani trap of self cleaning design with 75mm outlet having a minimum water seal of 50mm with C.I. Grating on top including necessary 1:2:4 cement concrete for embedding the trap etc. complete conforming to I.S.: 3989 cost of include labour charges for removing carefully existing/leaked Nahani trap by dismantling.	<b>285.00</b>	
67.	Cu.M.	Providing water proof brick bat cooba for filling in the depression of toilets, batch room etc. as per the specifications of specialised water proofing agencies and finishing the surface even so as to be suitable to receive the tiles etc. complete all as directed by the Engineer-in-charge. 7 days ponding test to be done after completion.	<b>2280.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
		NOTE: The measurement shall be on Cu.M. basis. No deductions shall be made for the areas occupied by pans and other fittings and fixtures.		
68.	Sq.M.	<p>Providing cement based water proofing treatment to the sunken floor of water closets, bath room nahanis, washing places etc. giving injections to the concrete surface as required with cement and approved water proofing compound solution of M/s. Perma Const. Aids Pvt Ltd. or equivalent to all inherent holes, voids, honey-combs etc. in the concrete, applying water proof plaster of about 12 mm thick for the floor areas of the depression and about 18mm on the side walls of the depression and continue the vertical treatment on the walls above the proposed floor finish up to a height of 600mm with surface suitable and even to receive tiles, testing the treatment for water tightness by impounding water for 7 days etc. complete all as directed by the Engineer-in-charge.</p> <p>NOTE: 1) The measurement of payment shall be the actual area covered by the treatment.</p> <p>2) The water proof brick bat coba filling coming over the water proof plaster shall be measured in Cu.Mtr. Separately and the cost of the same is not included in this item.</p>	<b>368.00</b>	
69.	Nos. Nos. Nos. Nos. Nos.	<p>Providing and fixing in position heavy pattern screw down gun metal gate valve conforming to 1:S;778 with hand wheels at top including testing for 10 kg/Sq.Cm. Pressure with clean and potable water with a minimum testing duration of 2 hrs. etc. complete all as per specifications and as directed by the Engineer-in-charge.</p> <p>a) 15 mm dia. b) 20 mm dia. c) 25mm dia. d) 32mm dia. e) 40mm dia.</p>	<p><b>238.00</b> <b>285.00</b> <b>428.00</b> <b>594.00</b> <b>713.00</b></p>	
70.	Nos.	<p>Providing &amp; fixing in position best salt glazed stone-ware gully trap with 150 x 150mm square inlet and 100mm n.b. outlet conforming to 1.S:651 including embedding the trap in 1:4:8 cement concrete, 150mm x 150mm G.I. Grating at top construction of brick masonry chamber 300 mm x 300mm (internal) in 230mm thick brick masonry, embedding the trap, plastering with cement mortar 1:4, 20mm thick on inside, outside and all exposed faces, finished with a floating coat of neat cement, providing and fixing C.I. frame and hinged cover</p>	<b>428.00</b>	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
		weighing not less than 7 kgs. Painting the grating, frame and cover with 2 coats of approved bitumastic paint etc. Complete all as directed by the Engineer-in-charge.		
71.		Labour charges only for carefully removal of all type of chokes as & when required at various floors levels from kitchen sinks, wash basins, bathrooms, water closets, nahani traps, gully trap chambers, internal & external inspection chambers, urinals, manholes/drain pipes in service shafts, external sewer lines etc. of residential and non-residential building having ground + 3 upper floors, including cleaning the existing C.I. Waste soil pipes lead/C.P. brass 'P' traps bottle traps etc. by Roding or other suitable means wherever found necessary also including thoroughly removing the dirt, lying in and around the inspection/gully trap chambers and disposing off the same outside campus all inclusive of cost of labour tools etc. Complete all as directed by the Engineer-in-charge. NOTE: 1) The contractor shall make his own arrangement for opening & closing of cover of inspection/ gully trap/manhole chambers 2) All the complaints shall be attended promptly by the contractor by engaging sufficient number of labour. The labour shall be made available daily for full day for six days a week during working hours of Maintenance Unit.		
	Nos.	a) Clearing choke-up in kitchen sinks/wash basins. C.P. brass 'P' trap/bottle traps/kitchen nahani traps, water closets urinals internal inspection chambers etc.	86.00	
	Nos.	b) Clearing choke-up in gully trap chambers.	86.00	
72.		Providing & fixing C.I. Heavy quality pipes & specials of required size & shapes, cutting the pipes to required length and laying or fixing in position with M.S. clamps and nails, 150mm away from wall faces, jointing the pipes and specials by bend caulked spun yarn and filling molten pig lead with cement mortar joint 1:1 with hemp yarn etc. as per standard I.S. practice, making holes in walls or floor and making good the same to the original condition, painting 3 coats of anti corrosive black bitumastic paint, testing the pipe line by smoke test, rectifying the leakages if any etc. complete all as per specifications and as directed by the Engineer-in-Charge. a) <u>With Cement joint 1:1 with hemp yarn as per IS :</u>		
	RM	i) 75 mm dia.	428.00	
	RM	ii) 100 mm dia.	523.00	

<b>Sl. No.</b>	<b>Unit of measurement</b>	<b>Description of Item</b>	<b>Estimated Rate Rs.</b>	<b>Quoted Rate Rs.</b>
73.	RM	Labour charges only for removing carefully the existing C.I. Pipe line of all dia up to 300 mm n.b. with lead/ cement caulking at all level including scaffolding if required, stacking the serviceable materials at site etc. complete all as directed by the Engineer-in-Charge.	29.00	
74.	RM	Providing & laying salt glazed stone ware pipes and fittings at grade 'A' or 'AA' confirming to I.S. 65d1 in trenches for all depth, to correct grade, levels and alignment including jointing with hemp yarn and cement mortar 1:1 including testing etc. complete all as per specifications and as directed by the Engineer-in-Charge. a) 100 mm dia.	143.00	
75.		Providing and fixing following P.H. fittings & fixtures of ISI mark heavy quality including necessary white Zink, hemp yarn etc. complete all as directed by the Engineer-in-Charge.		
	Nos.	i) 15 mm n.b.c. P. brass Pillar tap weight not less than 650 grams.	276.00	
	Nos.	ii) 15 mm n.b. C.P. brass Bib Tap weight not less than 400 grams.	214.00	
	Nos.	iii) 15 mm n.b. C.P. brass Stop cock weight not less than 400 grams.	214.00	
	Nos.	iv) 15 mm n.b. C.P. brass Stop cock weight not less than 400 grams.	95.00	
	Nos.	iv) C.P. brass west coupling 32 mm dia. heavy quality of suitable length	48.00	
	Nos.	v) Flexible PVC pipe with socket end 32 mm dia of about 800 mm long.	285.00	
	Nos.	v) Flexible PVC pipe with socket end 32 mm dia of about 800 mm long.	105.00	
	Nos.	vi) C.P. brass revolving shower 75 mm dia heavy quality.	219.00	
	Nos.	vii) PVC connection 15 mm dia about 3' (feet) long with C.P. brass socket end.		
	Nos.	viii) Replacement of existing solid seat & cover of heavy quality commander or equivalent approved ISI mark alongwith C.P. brass hinges, nut & bolts, including labour charges for removing old and rectifying the defect Anglo Indian W.C. etc.	188.00	
	Nos.	ix) C.P. brass waste coupling 32 mm dia for S.S. kitchen sink Nirali / Frankie make including necessary washer & removing the existing coupling etc. complete.		
76.	Sq.M.	Replacement of existing damaged bath & W.C. door with pressed steel frame with PVC door including PVC frame of size 50 x 47 mm with wall thickness of 5 mm made out of extruded 5 mm rigid PVC form sheet mitred at corner and jointed with 2 Nos. of 150 mm long bracket at 15 x 15 mm M.S. square tube of 19 gauge	1520.00	

<b>Sl. No.</b>	<b>Unit of measurement</b>	<b>Description of Item</b>	<b>Estimated Rate Rs.</b>	<b>Quoted Rate Rs.</b>
		EPDM rubber gasket weather seal to be provided throughout the frame with M.S. screw of size 65 mm / 100 mm with providing and fixing 30 mm thick factory made PVC rigid form panelled door shutter manufactured by M/s. Rajashri or equivalent approved made from M.S. tube of 19 gauge thick size 19 mm x 19 mm for styles and 15 mm for top and bottom rails, covered with heat moulded PVC, 'C; channel of 5 mm thick and 30 mm x 50 mm wide to form styles and 5 mm thick and 75 mm wide PVC sheet for top rail, lock rail and bottom another side and 5 mm thick 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail panelling of 5 mm thick PVC sheet fitted M.S. frame welded /sealed to the styles and rails with 5 x 30 mm PVC sheet beading on either side and jointed together with solvent cement adhesive etc. complete all as per manufacturer's specifications and as directed by the Engineer-in-Charge.		
77.	Nos.	Labour charges for removing carefully existing damaged bath & W.C. door with frame from existing position by so as to fix the PVC door frame and doors, repairing the damaged walls, floor portion with C.M. 1:4 finished with neeru and making the surface in level, curing, including handing over the frame and shutter to maintenance store etc. complete.	<b>238.00</b>	
78.	Nos.	Providing and fixing precast RCC covers (M-20 grade) of size 305 x 305 x 50 mm over the existing gully trap chambers including clearing the chambers and fixing the covers in position etc. complete all as directed by the Engineer-in-Charge.	<b>238.00</b>	
79.	Rm.	Providing and fixing heavy quality PVC flushing outlet pipe 40 mm dia for PVC flush tank including necessary fitting & fixtures clamps, and removing the old damaged pipe etc. complete all as directed by the Engineer-in-Charge.	<b>76.00</b>	
80.	Sq.M.	Labour charges only for laying 50mm thick rough Shahabad stone paving in footpaths over a bed of 100 mm thick stone frit & dust (including supplying of turrum and preparation of turrum bed) to proper line level or slope including cutting the edges to proper line & providing flush pointing with cement mortar 1:3 with flush pointing all round the tile and curing, cutting of tiles wherever required including transportation of tiles (made available from the removed/dismantled area at site) to site of work, curing etc. complete all as directed by the Engineer-in-charge.	<b>119.00</b>	

<b>Sl. No.</b>	<b>Unit of measurement</b>	<b>Description of Item</b>	<b>Estimated Rate Rs.</b>	<b>Quoted Rate Rs.</b>
81	Sq.M.	Removing of existing damaged/serviceable Shahabad stone slabs of footpaths, pavements etc. including dismantling of mortar/grit & dust, bedding stacking of serviceable materials within 50 M lead & disposing of debris/un-serviceable material within 50 M lead or to the nearest disposal ground etc. complete all as directed by the Engineer-in-charge.	14.00	
82.	RM	Labour charges only for fixing precast cement concrete 1:3:6 (using 20mm max. size graded stone aggregate) kerb stones of size 125 mm wide & 375 mm deep curved to inner edge of 25 mm radius including necessary form work compacting, finishing, fixing with cement mortar 1:3 jointing and pointing with cement mortar 1:3 curing etc. complete all as directed by the Engineer-in-charge.	86.00	
83.	Cu.M. Cu.M.	Dismantling existing damaged/cracked brick/stone masonry with cement mortar and plaster at all floors & levels including scaffolding, stacking of serviceable materials within 50 M lead at directed place etc. complete all as directed by the Engineer-in charge. a) Demolishing brick work. b) Demolishing stone work.	166.00 166.00	
84.	Sq.M.	Dismantling carefully the existing damaged/cracked/serviceable tiles/ slabs clay tiles/white glazed tiles/cement tills /kotah stone/ tandur stone/Shahabad stone etc. including removing the 20mm thick bedding of cement mortar stone grit or brick bat coba etc. at all floors & levels including stacking of serviceable materials within 50 M. lead at directed place & disposal of un-serviceable materials outside campus complete all as directed by the Engineer-in-charge.	57.00	
85.	Cu.M.	Removing carefully by chiselling the existing damaged/worn-out brick bat coba up to a required depth from the depression/sunken portions in W.C. Bathroom, drying areas etc. at all floors and levels without damaging the adjacent masonry/RCC structures/sanitary fittings and fixtures etc. including bringing down the debris on ground floor level and simultaneously disposing off the same outside campus including cost of labour, tools and plants etc. complete all as directed by the Engineer-in-charge.	133.00	
86.		Providing and fixing approved quality machine pressed phenol formal dehyde bonded commercial ply wood of Anchor/ Mysore/		

<b>Sl. No.</b>	<b>Unit of measurement</b>	<b>Description of Item</b>	<b>Estimated Rate Rs.</b>	<b>Quoted Rate Rs.</b>
	Sq.M. Sq.M. Sq.M. Sq.M.	Material/ Birla or equivalent approved make and fixing the same with necessary nails/screws/adhesives in partition cupboard shelves, kitchen cabinets flush doors etc. at all floors & locations in quantities as required at site in following thickness including cost of nails/screws/adhesive, wastage in cutting, transportation etc. Complete all as directed by the Engineer-in-charge. a) 6mm thick ply. b) 12mm thick ply. c) 16 mm thick ply. d) 19 mm thick ply.	147.00 285.00 380.00 428.00	
87.	Nos.	Providing and fixing fan hooks in RCC slab or beams made from M.S. bars 16 mm dia in required shape with proper anchorage length as required including cutting the slab to expose the reinforcement and grouting with cement concrete 1:2:4 & finishing with cement mortar 1:2 including applying one coat of white wash over repaired patch work etc. complete all as directed by the Engineer-in-charge.	143.00	
88.	Sq.M. Sq.M. Sq.M.	Painting wood/steel work with two coats of synthetic enamel paint of 1 <sup>st</sup> quality of Asian or Apcolite equivalent make approved shade over one coat of approved wood/steel primer including preparing surfaces, filling with putty wherever required, scaffolding & cleaning etc. complete all as directed by the Engineer-in-charge. a) On wooden surfaces with two finishing coats over a coat of wood primer. b) On steel surfaces with two finishing coats over a coat of steel primer. c) On wooden surfaces with two finishing coats only.	57.00 57.00 51.00	
89.	Sq.M.	Applying three coats of French polish of approved make & tint to obtain finish as required over a coat of wood filler including sand papering, cleaning filling up holes, cracks & crevices with putty etc. complete to give an even shade etc in quantities as required at site etc. as directed by the Engineer-in-charge.	62.00	
90.	Sq.M.	Labour charges only for fixing asbestos cement corrugated/semi-corrugated sheets, 6 mm thick in roofing including all overlaps mitring cutting, sheets as required scaffolding etc. complete all as directed by the Engineer-in-charge.	8.00	
91.	Sq.M.	Dismantling existing damaged asbestos cement corrugated/semi-corrugated sheet 6 mm thick (2.45 to 3.00 m in length) from the	7.00	

Sl. No.	Unit of measurement	Description of Item	Estimated Rate Rs.	Quoted Rate Rs.
		roofing along with rides, hips valleys and gutters wherever required including removing existing G.I. Hooks, bolts G.I. Plain washers bitumen washers etc. scaffolding & taking debris outside campus complete all as directed by the Engineer-in charge.		
92.	Sq.M.	Cement pointing to stone work with cement mortar 1:3, including raking out joints, pointing nearly and finishing the joints as specified below including curing, scaffolding etc. complete all as directed by the Engineer-in-charge. a) Raised and cut pointing	71.00	
93.	Sq.M.	Providing and fixing 30 mm thick 2 <sup>nd</sup> C.P. teak wood fully glazed window shutters consisting of 30 mm thick shutter frame, providing and fixing sheet glass of approved make with teak wood beading including labour for fixing iron monkey, fittings and fixtures with screws to be supplied by the department free of cost applying one coat of approved wood primer etc. complete with 1 <sup>st</sup> class wood using 4 mm sheet glass all as directed by the Engineer-in-charge.	570.00	
94.	Sq.M. Sq.M.	Painting plastered surface with two coats of 1 <sup>st</sup> quality flat oil paint of approved shade and make including preparing the surfaces filling with putty wherever required, scaffolding and cleaning etc. complete all as directed by the Engineer-in-charge. a) Two finishing coats over a coat of primer b) Two finishing coats only.	68.00 53.00	
95.	Cu.M.	Demolishing plain cement concrete works by chiselling at all levels including scaffolding disposal of materials outside campus etc. Complete all as directed by the Engineer-in-charge.	190.00	
96.	Sq.M.	Labour charges for removing the existing rubble some hard core soling of 150 MM thick including sacking of serviceable materials within a lead of 50 M etc. complete all as directed by the Engineer-in-charge.	62.00	

**Note: Quantities of the items will be as per requirements of the work and will be paid as per actual measurements.**

ACCEPTANCE CERTIFICATE

I.....(designation).....of (Name  
of the Company).....

Hereby accept the above mentioned Terms & conditions along with Appendixes for the above  
Contract of IIPS, Mumbai.

Signature .....

**Company Seal:**.....