



STEEL AUTHORITY OF INDIA LIMITED
(A Govt. of India Enterprises)
CENTRAL MARKETING ORGANISATION
Western Region
The Metropolitan, 8th floor
Bandra Kurla Complex
Bandra (East) Mumbai 400 051.

TENDER NOTICE No. ---

Sealed tender are invited for empanelment of tenderers for maintenance of residential flats / office premises. Interested tenderers are requested to download detailed tender documents from SAIL's website at <http://www.sailtenders.co.in> or collect tender document at a cost of Rs.500/- (cash) on working days between 10.30 AM to 3.30 PM. Tenderers downloading the tender document from web site are to pay Rs.500/- in the form of Demand draft/ pay order toward cost of tender document along with the submission of their tender. Sale of tender document closes on __04.01..2010__ at 3.30 PM.

The completed tender shall be submitted in the office of the undersigned at above address before 3.30 PM. on _19.01.2010__ confirming acceptance of SAIL's terms and conditions in Toto in the manner prescribed other-wise the tender shall be rejected. The tender (Part-I) will be opened at 04:30 PM. on the same day i.e. _19.01.2010__.

SAIL/CMO/WR reserves the right to accept / reject any or all the tender without assigning any reason whatsoever.

Deputy General Manager (P&A)/WR

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TENDER DOCUMENT IN RESPECT OF RATE CONTRACT FOR REPAIRS
/MAINTENANCE OF COMPANY OWNED FLATS/OFFICE PREMISES AT VARIOUS
LOCATIONS IN MUMBAI

(PART – I)

TERMS & CONDITIONS AND TECHNICAL SPECIFICATION.

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TENDER DOCUMENT

NAME OF WORK: RATE CONTRACT FOR REPAIR/MAINTENANCE OF COMPANY FLATS/OFFICES PREMISES AT MUMBAI

1. SAIL intend to empanel tenderers for maintenance of company owned office complex, residential flats, guest houses etc. situated at different locations in Mumbai on rate contract basis for a period of three years which may be extended for further three months initially after the expiry and mutually for further period thereafter.
2. Date of commencement of the work – The successful tenderer will be issued with work order. The date commencement of the work shall be indicated in the work order otherwise the work shall be deemed to be commenced within 30 days from the date of issue of work order.
3. Escalation – The rate shall be firm during the currency of the contract period and shall not be subject to any escalation due to any reason whatsoever.
4. The quantities shown against various items in the schedule of quantity are only indicative, which may vary depending on actual requirement. All such quantities are shown in Annexure A for Civil works, Annexure B for Electrical works and Annexure C for only supply of Manpower (not to be considered for arriving at L1).
5. All Annexure are attached in Part II of tender document namely in schedule of items and estimates including Annexure-D (For total cost-to be enclosed with Price-bid only in Part-II).
6. Interested tenderers are requested to download detailed tender documents from Sail's website at <http://www.sailtenders.co.in> or collect tender document at a cost of Rs.500/- (cash) on working days between 10.30 AM to 3.30 PM. Tenderers downloading the tender document from web site are to pay Rs.500/- toward cost of tender document. Sale of tender document closes on _04.01.2010_____ at 3.30 PM.
7. It is a two part tender. In first part Technical evaluation shall be made and party disqualified shall not be considered in second part when only qualified parties under intimation to them will be considered for opening of price bid.
8. It is proposed to make a panel of tenderers having requisite experience. All the tenderers shall be asked to match the L-1 rate. The parties, who match the L-1 rate, will be taken in panel in order of their original ranking and work shall be awarded in proportion of 60:40 (when the work is shared with two tenderers), 50:30:20 (when the work is shared with three tenderers) and so on as per the rule in SAIL.
9. The flats/ office premises are located at Santa Cruz, Juhu, Andheri, Kandivli, Khar, Dadar and Mulund at the following address:
 - i. SAIL Regional Office, The Metropolitan, 8th & 9th floor, Bandra-Kurla Complex, Bandra (East), Mumbai 400051.

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- ii. SAIL Office, International Building, 3rd floor, Maharshi Karve Road, Churchgate, Mumbai-400020.
- iii. SAIL Branch Sales Office, Swastika Chambers, 1st floor, Sion Trombay Road, Chembur, Mumbai-400071.
- iv. SAIL Guest House, Jolly Maker No.3, Cuffe Parade, Coloba, Mumbai-400067.
- v. SAIL Guest House, 9, Sea Queen Apartment, Juhu-Tara Road, Santa Cruz (East), Mumbai-400049.
- vi. SAIL Residential Flats, 35, Balgovindas Road, Dadar (West), Mumbai-400028.
- vii. SAIL Residential Flats, Samta Nagar Building No.24, MHB Colony, Near Mahindra & Mahindra, Eastern Express Highway, Kandivli (East), Mumbai-400101.
- viii. SAIL Residential Flats & Transit House, Kalpita Enclave, Andheri Sahar Road, Andheri (East), Mumbai-400069.
- ix. SAIL Residential Flats, Kadambari, JVPD Scheme, Gulmohar Cross Road No.6, Juhu, Behind Cooper Hospital, Mumbai-400049.
- x. SAIL Residential Flats, Balasadan, Plot No. - 10 E, Vallabhnbhai Patel Road, Santa Cruz (West), Mumbai-400054.
- xi. SAIL Residential Flats, Sai Prasad Co-operative Housing Society, Sai Dham, 719, Govind Patil Road, Danda-Pada, Khar Danda, Mumbai-400052.
- xii. SAIL Residential Flats, Divine Express, Near Tata Colony, Mulund (East), Mumbai-400081.
10. The interested parties are advised to inspect the flats/premises and ascertain the limitations and general conditions of the premises before quoting their rates. No claim shall be entertained subsequent to award of work on account of conditions of flats and site limitations. The flats are in occupied condition; Maintenance /Repair/ activity of the flats is therefore to be carried out causing minimum inconvenience to the occupants.
11. Each page of the tender document shall be signed and stamped by the tenderer as a token of acceptance of the tender conditions. The rate quoted shall be inclusive of all taxes applicable and levies. The rate quoted shall be firm throughout the duration of contract including the extension granted if any by the employer. No claim shall be entertained after submission of the tender on account of site condition, escalation in cost of materials, freight, idle hour, movement restrictions, weather condition, delay in availability of working front whatsoever.
12. The work shall be carried out strictly as per item described in the Annexure. The payment shall be made as per actual measurement of work done for which proper records should be maintained by the tenderers. The measurement shall be done as per IS-1200 (latest revision).
13. Quantities given in the schedule of work are indicative only. Depending upon the requirement, the quantities may vary. It shall be clearly understood that variations in quantity shall not have any affect on the rate of the items,

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terms and conditions of the contract.

14. The tenderers shall be required to carry out the work entrusted to him so as to complete the same within mutually agreed time schedule and shall work in closed co-ordination without causing any delay to other agencies and least inconvenience to the dweller. SAIL have the right to decide the work, item of work to be executed by the tenderer while placing specific orders.
15. The completed tender along with the Earnest Money (EMD) of Rs. 15,000/- (Rupees Fifteen Thousands only) shall be submitted in the office of Deputy General Manager, Steel Authority of India Ltd. The Metropolitan, 8th floor, Bandra Kurla complex, Bandra (E) Mumbai 400 051 before 3:30 PM on 19.01.2010_____. The Demand Draft / Pay Order for EMD should be drawn on any Scheduled commercial bank, except co-operative bank and Gramin bank and the catholic Syrian bank Ltd. in favour of **Steel Authority of India Ltd.** payable at **Mumbai**. The tender shall be opened at 04:30 PM on the same day i.e. 19.01.2010_____ in presence of party's representative whomsoever may like to be present.
16. The tenderer should be reputed and resourceful firm and must have executed similar work with Govt. Departments/Public Sector Undertakings/Reputed Organizations.

17. Eligibility Criterion:

- Following minimum criterions are essential for the techno-commercial qualifications of the tender for the work :
 - i. The Tenderer having experience in the civil – building works either construction of new buildings or repair / renovation of buildings, having experience in a Govt. Depts. / PSU / Municipality / Local body / renowned organization etc., during last Five (5) years ending Nov-2009, of value not less than the following:-
 - a. Three similar jobs of completed value not less than Rs. 7.00 lakhs each OR
 - b. Two similar jobs of completed value not less than Rs. 9.00 lakhs each OR
 - c. One similar job of completed value not less than Rs 14.50 lakhs
 - Performance Certificate(s) on completion of works from the employer(s) to be submitted.
 - In case the experience document is of AMC, the monthly rate will be multiplied with the duration of contract / execution period to arrive at the cost of work.
 - In case the experience is on rate contract basis, the total work done during the contract period will be taken into consideration to arrive at the cost of work.
 - ii. The Tenderer has to be registered under Service Tax under relevant clause, if applicable as per the statutory requirement.
 - iii. Details of the registration with ESI (if applicable), Provident Fund etc. (copies to be enclosed)
18. The tender shall be submitted in the following manner:-

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- a) Envelope No.1: Envelope marked No.1 shall contain demand draft for EMD. It shall also contain Demand draft for Rs 500/- in case the tender document is downloaded from internet. This envelope shall be opened first.
- b) Envelope No.2: In case the EMD(s) is/are found in order, this envelope shall be opened. This envelope should contain:
- Covering letter, if any.
 - The terms and conditions, duly signed by the tenderer as a token of acceptance of the same.
 - All documents as required under eligibility criterion.
 - Registration with Govt. Organization, Public Sector undertaking, if any.
 - Any other in formations/Documents which the tenderer may like to submit to substantiate his credentials.
- c) Envelope No. 3 : Enveloped marked No.3 shall contain price bid duly filled in Annexure 'A', Annexure 'B', Annexure 'C' and Annexure-D shall be signed and stamped by the authorized representative of the tenderer all of which shall also be attached and put in this envelope. The envelope must be sealed properly.
- d) Envelope No.4:- Envelope No.1, 2 & 3 shall be put in the large envelope of adequate size marked No.4 and shall be properly sealed. This envelope shall be super scribed "Tender for Rate Contract to maintain Company Owned Flats/premises at Mumbai "and shall be deposited on or before 03:30 PM on ----- at the address given at Para 1.7 above .
19. OPENING OF TENDER: Envelope No. 4 shall be opened immediately after closing of receipt of tender. Envelope No. 1 containing EMD shall be opened first. If the earnest money deposit is not found as prescribed, the tender will be the envelop No.2 of those tenders whose EMD is found in order shall then be opened. Envelop No. 3 containing the price bid of the parties who are technically and commercially accepted by SAIL (qualified parties) shall be opened on a subsequent date under intimation to them. The EMD of disqualified parties shall be refunded within seven days.
20. SECURITY DEPOSIT: Upon finalization of the panel of approved tenderers their EMD shall be converted into "Security Deposit" which shall be retained by the Company through out the tenancy of the contract. The EMD submitted by the tenderer who could not be included in the panel shall be returned within a reasonable period. The refund of Security Deposit will be made on completion of the tenure subject to satisfactory performance. The employer will not be liable for payment of interest on the Security Deposit or depreciation thereof.
21. TAXES: - The quoted price shall be inclusive of all taxes applicable, duties, levies, octroi etc. but excluding the service tax. Service tax if applicable and if paid by the contractor, the amount will be reimbursed on documentary evidence and submission of relevant required documents.
22. The tender submitted shall be kept valid for a period of 90 (ninety) days from the date of opening of tender.
23. No modification shall be allowed in the specifications item description, contract clause etc. The tenderer, if he so desire may clarify and submit suggestion/alternatives in a separate covering letter and enclose it in envelopes No.2.

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24. Each work shall be guaranteed for a period of six month from the date of completion. Any defect in the material, workmanship noticed within the guarantee period shall be rectified by the tenderers at their own cost within a specified time. In case the defects are not rectified, the employer shall be free to get the work done at the risk and cost of the tenderers.
25. The contractor shall indemnify the employer against all claim which may be made against the employer by any member of the public or third party in respect of the said work or in consequence thereof and shall at his own expense arrange to effect and maintain until the virtual completion of the contract. An insurance policy in the joint names of the employer and the contractor against such risk to be entered with and the same to be deposited with the employer during the currency of the contract.
26. **SETTLEMENT OF DISPUTES :**
All questions, claims, disputes or differences of any kind whatsoever arising out of or in connection with or concerning this contract at any time shall be mutually decided by the parties through consultation and conciliation. In case any dispute still remains unsolved, the same shall be referred for decision by a sole Arbitrator to be appointed by Chief Executive of Central Marketing Organization, Steel Authority of India Limited, (name may be designated at the relevant time). The arbitration shall be conducted in accordance with the provision of the Arbitration and conciliation act 1996 and the rules framed there under.
The venue of the arbitration shall be the place where the contract is executed or at Kolkata where the Central Marketing Organization, Head Office of SAIL located.
27. **TERMINATION OF CONTRACT ;**
If in the opinion of the employer, the progress of work is slow and quality of work is not up to the desired standard, the employer shall have the right to terminate the contract at the contractors' risk by serving one week notice in writing to that effect. The employer shall take the possession of the site and shall have the right to award the contract to some other agency as sit many deem fit. Any loss or expenses incurred on this account, in the opinion of employer, shall be recovered from the contractor without assigning any reason.
28. **EXTRA ITEMS:**
Any item required to be executed in the interest of the work for which there is no provision in the schedule of quantity; the contractor shall be required to do so with the approval of the employer. The following procedure shall be adopted in working out rates for such an item termed as (extra items).
- a) Where the rates quoted by the contractor in the accepted tender do not apply directly to the extra item the rates for these items, as far as practicable shall be worked out from the accepted quoted rates for analogous items which shall be decided by the employer and shall be binding on the contractor.
- b) For extra items, where the employer considers that the rate for such items cannot be derived from the accepted quoted rates the party shall submit an analysis of rates for the actual work executed along with supporting documents. The analysis shall be subject to scrutiny and approval of the employer. Profit and overhead charges to the extent of 10% (Ten percent) shall be admissible.

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29. In case of doubt in quality of material, the employer may get the samples tested by approved laboratory for confirmation of quality (if result found adverse the expenditure incurred for arranging the said test shall be borne by the contractor) and the contractor shall carry out necessary modification or if necessary re-do the work to be satisfaction of the company.
30. MEASUREMENT & PAYMENT: - Any intermediate payment during the course of contract if desirable in the interest of work, contractor may be paid at the discretion of employer. Payment for the portion of the work already done may be made on the basis of measurements recorded and certified. Contractor shall submit bill for the work done. All intermediate payments shall be regarded as payment by way of advance against the final payment only and not for payment of work actually done and completed. The final bill shall be submitted by the contractor within one month of completion of work otherwise department' certification of the measurement and the total amount payable for the work accordingly shall be final and binding on all parties.
31. LABOUR RULE; In respect of all labour directly or indirectly employed on the works, the contractor shall comply with all rules framed from time to time by the Government (Central or State) and/or other local authority. The rules and other statutory obligations in regard to fair wages, the welfare measures and safety of labour etc. will be deemed to be part of the contract.
32. ACCIDENT: The contractor shall be responsible for the safety of his workmen and employees. All serious accidents shall be immediately reported. The contractor shall make every arrangement to give all possible assistance and necessary insurance coverage shall be arranged by them so as to relieve the Company from disbursement of any compensation.
33. WATER AND POWER SUPPLY: The water and power shall be supplied free of cost. The contractor will be allowed to tap water and power from the existing point of supply at his own cost. After completion of the work, the extension shall be removed and the system to be made normal by the contractor at no extra cost to SAIL.

DEPUTY GENRAL MANAGER (P&A)/WR

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TECHNICAL SPECIFICATION

34. GENERAL CIVIL WORK

35. This specification deals with general Civil Engineering work for repair and maintenance of buildings. The material and workmanship shall generally conform to the Indian Standard Code (IS Code). The technical specification of other establishments like Central Public Works Dept. State Public Works Dept. Municipalities shall be applicable.

36. Concrete: The material and workmanship shall be in accordance with the following code and standards specification

Concrete & Mix proportion: IS 456

Fine Aggregate: IS 383

Coarse Aggregate: Locally available crushed stone free from clay, dust or organic impurities.

Cement: IS 8112 (cement grade to be as per IS guidelines applicable for different types of jobs)

Mixing, handling and placing of concrete shall be in accordance with IS456.

37. Masonry

Cement: Ordinary Portland cement conforming to IS8112.1989

Bricks : Burnt clay bricks conforming to IS-1077. The minimum compressive strength shall not be less than 35 kg/sq. cm and water absorption not more than 20% by weight.

Sand : Naturally available river sand conform to IS-483 and 1542 as applicable.

The brick work shall be of English Bond. Each course shall be truly leveling and thoroughly bounded and flushed with mortar. All brick work shall be built fair faced on the side only. The contractor shall provide necessary scaffolding for the work.

38. Plastering:

Sand: IS-483 & 1542, Cement: IS8112

Mix proportion of the mortar for plaster and thickness shall be as per relevant items of the schedule. The surface of masonry/concrete shall be thoroughly cleaned and wire brushed. The surface to be damped evenly to provide suction effect between the surface and the new plaster. Average 25mm thk. Sand face plaster for external wall (in two coats) or average 15mm thick neeru finish plaster for internal walls in (C:M 1:4) shall be carried out with required scaffolding curing etc. The work should be done with proper line and level. As a precaution for seepage, use of waterproofing agent is suggested in external plaster curing is to be done at mortar for plastering shall be used within 30 minutes after adding water to cement.

39. White washing and colour washing:

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The white wash shall be applied with suitable quality brush to specified number of coat to present a smooth and uniform finish. The operation for each coat shall consist of two vertical strokes of brush from top to downwards and vice versa and two horizontal strokes over the same area. Each coat shall be allowed to dry up before next one is applied. Lime shall be of best quality, thoroughly slaked and mixed and stirred with sufficient water to make a thin cream. This shall be allowed to stand for 24hrs. Screened and mixed with gun (4kg. of gum per cum of cream). Doors, windows, all wood and steel works floor etc., shall be protected from the splashing of white wash.

Mineral colour not affected by lime shall be added to white wash and colour wash. A prime coat of white wash and two or more coats of colour wash shall be applied to present a smooth and uniform finish.

40. Oil bound Distemper:
Oil bound distemper of approved brand shade and manufacture shall be used. Manufacturer's instructions for use shall generally be followed. All the surface shall be made free from chalking, dust, grease loose paint, fungus/algae etc. by vigorously wire brushing and cleaning with water. The primer coat shall be given with distemper primer. After the primer is applied the prime coat shall be lightly sand papered to make it smooth to receive the distemper. Two or more coats of distemper shall be applied as specified in the description of the item at an interval of at least 24 hrs. For each coat.
41. Cement base paint: Cement base paint like "Snowcem" etc. of approved manufacture shall be used for exterior decorative work. The surface shall be thoroughly cleaned of all dirt etc. and thoroughly cleaned of all dirt etc. and thoroughly watered before the Snowcem paint is applied.
42. Oil Painting: When painting on wood, the same shall be first cleaned and rubbed smooth by sand paper before the priming coat is applied. In wood work, cracks be filled with putty and irregularities reduced by sand papering.
43. Iron work shall be thoroughly cleaned from loose dirt and rust after which primer should be applied. Each coat of the paint shall be allowed to dry completely before the next coat is applied and all except the last shall be lightly rubbed down by pumice stone.
44. Wood work:-Timber for doors, windows, ventilators etc. shall be free from decay, fungal growth, boxed heart, pitch pockets, bore holes, splits, loose knots, flaws sun crack or any other defect. Unless otherwise specified, all the timbers shall be 2nbd class teak wood. It shall be seasoned. The finished component shall be given suitable preventive treatment. Plywood sheet for interior work shall conform to IS-303. Material and workmanship shall be of high standard. Dimension and various components of doors and door frames shall be in accordance with IS-1003 Table III

All flush door shutters shall conform to IS-2191 and 2202 and shall be obtained from the approved manufacturer. Unless otherwise specified flush doors shall not be less than 40mm thk with cellular core, hard wood framed faced with approved quality of plywood on both the sides The plywood faces should be glued on the cellular core with waterproof glue under pressure. The construction of the flush door shall be such that no difficulty should arise for mixing mortice lock, hydraulic, door closer etc including other standard hardware items.

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45. White glazed Tiles: The tiles shall be of approved quality and manufacture and shall be of 6mm thk. The tiles shall be laid on a bed of cement mortar (1.3) 20mm thk. The joints shall be practically invisible and shall be filled with non-staining white cement. Internal angles shall be provided with specials. Tiles should be laid true to the level, truly vertical, to the specified falls as required. The tiles should be thoroughly cleaned after completion.
46. Plumbing and Sanitary work: The material and workmanship shall confirm with the provision of the latest version of the Indian Standards. All pipes and fittings shall be galvanized iron "B" class. All pipes and other fittings for drainage and Sanitary appliances shall be made of cast iron, PVC or salt glazed stone ware. Sanitary appliances shall be made of white glazed vitreous China. Flushing cistern shall be of PVC supported on cast iron bracket.
47. European type water closet shall be off white glazed earthen ware and shall be fitted with "P" or "S" traps with effective seal and vent arm if required. The flushing Cistern: It shall be low / high level of superior quality PVC of approved make with accessory and flush pipe complete.
In case of flush valve on direct water line – the same shall be approved.
Wash Basin: The same shall be of white glazed earthen ware of white vitreous China clay. Basin shall be provided with CP pillar tap, CP waste coupling with nut, CP chain, and rubber plug and semi rigid PVC waste pipe with trap leading to floor trap.
48. The technical specifications as given above shall be read with the terms and conditions of the tender and the Schedule of qualities. In case any conflict of meaning between the technical specification and the Schedule of quantities, the provision of the schedule of the contract shall override the Technical Specification. The decision of SAIL in this respect shall be final.

49. Electrical Work:

50. The lighting installation shall conform to the "Indian Electricity Rules" 1956, as regards the safety, earthing and other essential provisions specified therein also. It shall strictly comply with the provisions Contained in the latest edition of the Indian Electricity Rules and IS-732-1989 code of practice for electrical wiring and fittings in buildings as applicable to these works except where such regulations and rules are modified by these specifications.
51. All electrical work shall be executed properly by skilled licensed electricians under the supervision of suitable qualified electrical supervisors.
52. All the wires shall run in concealed conduits/casings only. Accessories like coupling, bend, elbows, toes, inspection sleeves shall be used for proper alignment and to avoid injury to the cable.
53. Suitable inspection/pull boxes with proper cover and brass screw shall be provided along the conduit run.
54. All the MS boxes and DBs etc. shall be earthed by 14 SWG GI wires.
55. The lighting load shall be balanced in all the three phases. Wiring for lighting shall be done by looping the system. Neutral wires shall be looped at the switch board/Distribution boards only.

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56. All the lighting fitting equipments shall be earthed in accordance with the latest version of Indian Electricity rules.
57. Looping system of wiring shall be used. Generally wires shall not be jointed. Where joints are unavoidable they shall be made through approved connectors.
58. Power wiring shall be strictly separated from lighting wire according to wire sizes. Telephoned wire shall be laid separately in separate conduit and terminated in separate switch box.
59. MCBs wherever used shall have short circuit rating of minimum 9KA.
60. Electrical circuit shall be provided with appropriate earthing arrangement as per rules.

61. List of approved make: Materials being used shall be as below:

CHEMICALS

CHEMICALS	MC BAUCHMIE	SUNANDA	MJ CHEMICALS
Crack Filler Omai Seal 702 Flexible sealant	Om Agro Indl. Plastics Ltd.		
Rust Remover	MC Corrodur	Rusticide SS	MJ Rust Ceaser
Rust Inhibitor	Colusal MK	Polyalk FP	MJs Ferroprime
Polymer (Acrylic)	Nafufill BB2	Polyalk FP	MJs Polymix-AR
Curing Compound	EM Coril AC ENCORIL	SUNPOLICURE	
Polymer water Proofing compound a) OMAICRYL b) OMAIPLUS A	Om Agro Indl. Plastics Ltd.		

BUILDING MATERIAL

Sl.No. Material Approved Brand

1. Cement OPC Gr.43/53, ACC, L&T, Birla Super, Rajashree
2. Sand River sand of approved quality.
3. Bricks Ordinary clay bricks as per TS

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4. CI Rain water soil and water pipe NECO (ISI mark)
5. PVC pipes Prince, Suprine
6. AC pipes Everest, Elephanta, Himalaya, Swastika
7. GI water pipe/fittings TATA, ISI MARK
8. Oil bound distemper: Berger paint, Shalimar, Asian, Jenson
9. Other paint matl. - Nicholson, Garware, Goodlas & Nerolac
10. Water proofing Cement paint: Snowcem, Nitcocem
11. Ceramic tiles: Spartex, Johnson, Bell Ceramics, Navin, Kajaria
12. Vitreous China Sanitary fittings: Hindustan, Parry ware, Neycer

ELECTRICAL ITEMS:

<u>Sl.No.</u>	<u>Description</u>	<u>Brands</u>
1.	PVC Casing and capping and Accessories:	Precision, Asian
2.	PVC conduit:	Precision, Asian, Circle Arc
3.	Copper conductor PVC insulated wires:	Finolex, Sundeep, V-Plast
4.	Piano type switch, socket outlet, DP switches with fuse, Tel Outlet:	Anchor.
5.	Fluorescent tube light fixtures:	Philips, Crompton.
6.	Metal Clad Switches, switch fuse unit:	Crompton, KEW, Anchor
7.	Telephone, Cable and wire :	Delton, Finolex
8.	Solid state regulator for fan :	Anchor, Rider.



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**TENDER DOCUMENT IN RESPECT OF RATE CONTRACT FOR REPAIRS / MAINTENANCE
OF COMPANY OWNED FLATS / OFFICE PREMISES AT VARIOUS LOCATIONS IN
MUMBAI**

(PART – II)

SCHEDULE OF ITEMS & ESTIMATE

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ANNEXURE-A

SCHEDULE OF ITEMS FOR REPAIR & MAINTENANCE OF WORK OF CIVIL ENGINEERING NATURE				
SI	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (RS.)
1	Supply & Fixing of MS Outdoor Stand, Box Type complete for installation of Air Conditioner	sq. m	65	
2	Providing and fixing anodized aluminum work(with minimum 15 micron uniform anodic coating) consisting of tee/angle section of approved make(likeJindal & Indal, Ajit India) conforming to IS:733 in frames of false ceiling including aluminum angle cleats with necessary CP brass/ stainless steel sunk screws, aluminum perimeter angles fixed to wall with rawl plugs @450mm centre to centre and fixing the frame work to level adjusting hangers (6mm dia M.S. rods) with necessary cadmium plated machine screws all complete as per approved architectural drawings and direction of the engineer-in-charge (level adjusting hangers, ceiling cleats and expansion hold fasteners to be paid for separately).	kg	50	
3	Providing and fixing level adjusting hangers of 6mm dia M.S. rods (up to 1200mm length) fixed to roof slabs by means of M.S. angle ceiling cleats 40x40x5mm size 40mm long and expansion hold fasteners 12.5 mm dia 40mm long including applying priming coat of zinc chromate yellow primer for steel members complete.	Each	1	



4	Providing and fixing machine moulded anodized aluminum covering of approved pattern & design, made out of machine cut aluminum sheet and machine holed for receiving screws, over expansion joints on vertical surfaces/ceiling with full threaded, cadmium plated steel screws 4mm dia, stem, 30mm long and aluminum washers 2mm thick, 15mm dia, at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete. (Anodizing on the aluminum sheet and washers to be 15 micron thick)			
	a) Made out of 170mm wide anodized aluminum sheet 2.5mm thick.	Kg	50	
	b) Made out of 210mm wide anodized aluminum sheet 2.5mm thick.	Kg	50	
5	Demolishing of brick work including stacking of serviceable materials and disposal of unserviceable materials as directed.	Cum	6	
6	Supply and erection of half brick masonry with bricks of class designation 75 in cement(of Ultratech, ACC or ISI make) mortar 1:4 (1 cement : 4 coarse sand) in superstructure above plinth level up to floor V level complete as directed.	Sq Mt	50	
7	Supply of crack filler compound of approved make and apply the same as directed including making the groove in the plastered surface and filling the same for water proofing as per the manufacturer's specification including scaffolding etc all complete.	RM	40	
8	Providing and fixing sheet glass(of IAC,Treveni,Modiguard,Asiafloat make), bedded in putty and fixed with wooden beadings included the cost of beadings and necessary cutting of glass all complete.			
	i) 3mm thick (pin head)	Sq Mt	30	
	ii)4mm thick (weighing not less than 10Kg/Sq.mt)	Sq Mt	30	
	iii)5.5 mm thick (weighing note less than 13.50 Kg/Sq mt)	Sq Mt	30	
9	Same as above in item no.24 but issuing ground glass (frosted glass) instead of plain glass.			
	1) 3mm thick (weighing not less than 7.5 kg/Sq mt)	Sq Mt	5	

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	2) 4mm thick (weighing not less than 10 Kg/Sq mt)	Sq Mt	5	
10	Repair of kitchen wall unit with glass sliding doors	LS	6	
11	S&F granite platform thickness not less than 20 mm and width 550-600mm as directed	Sq Mt	5	
12	P&F kadappa stone door sill	each	10	
13	Cleaning & polishing floors	Sq Mt	70	
14	Providing and fixing 18mm thick mirror polished machine cut marble/granite(black) work wherever required of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement mixed with matching pigment, epoxy touch ups including rubbing , curing etc complete at all levels.	Sq.m	55	
15	Removal of damaged mirror/acrylic box fitted with mirror and providing & fixing mirror (of Modigard,Asiafloat make) of required shape & size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing / acrylic box fitted with mirror.			
	a) Rectangular shape approx 453 x 357 mm	each	5	
	b)Oval shape approx. 450 x 350mm	each	5	
	c)Acrylic box with mirror	each	15	
16	Removing dry / oil bound distemper or oil paint by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc with mixture of whitening glue and linseed oil.	Sq Mt	11500	
17	Extra over item No.11 for providing POP treatment in place of whitening glue.	Sq Mt	11700	
18	Applying one coat of cement primer of approved brand (like I.C.I.dulux, Goodless Nerolac, Asian, British Paints, Berger paints) on wall surface.	Sq Mt	11700	
19	Distempering with oil bound washable distemper of approved brand (like I.C.I.dulux, Goodless Nerolac, Asian, British Paints, Berger paints) to give an even shade.			
	a) One coat on existing painted surface	Sq Mt	1000	
	b) Two coat over new surface or old surface prepared by item no.11,12 & 13	Sq Mt	9250	



20	Painting with synthetic enamel paint of approved brand (like I.C.I.dulux, Goodless Nerolac,Asian,British Paints, Berger paints) of required colour to give an even shade to old / new on wood / steel surface including necessary scaffolding, cleaning and preparing the surface by solvent degreasing, derusting by manual scraping			
	a) Two coat	Sq Mt	100	
	b)Two coat over an under coat of suitable shade with ordinary paint of approved brand & manufacture	Sq Mt	200	
21	Painting with Synthetic Enamel paint(like I.C.I.dulux, Goodless Nerolac,Asian,British Paints, Berger paints) after thorough scrapping of surface:			
	a) Ceiling Fan	each	90	
	b) Tube light fixtures	each	100	
22	Wall painting with plastic emulsion paint of approved brand (like I.C.I.dulux, Goodless Nerolac,Asian,British Paints, Berger paints) to give an even shade(one or more coats on old work	Sq.m	2700	
23	Painting with synthetic enamel paint of approved brand (like I.C.I.dulux, Goodless Nerolac,Asian,British Paints, Berger paints) of required colour to give an even shade	Sq.m	50	
24	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq mtr and under including cutting the patch in proper shape and preparing and plastering with cement mortar 1:4 (1 cement : 4 coarse sand) the surface of the internal walls including scaffolding, curing and disposal of rubbish all complete as directed.	Sq Mt	650	
25	Same as item No.7 but for external walls up to floor V level	Sq Mt	40	



26	Removal of damaged plaster/concrete from the existing concrete members, removal of rust from reinforcement steel bars by applying rust removing compound, providing and applying rust preventive slurry "Polyalk Fixoprime" and cement over chemically treated exposed surface in two coats at the interval of four hours, applying bonding coat of "Polyalk EP" (or equivalent) and cement slurry in 1:1 to concrete by brush and place polymer modified cement mortar (0.3Kg or Polyalk EP or equivalent to 5 Kg of cement and 15 Kg of sand and water to desired consistency) in layers up to 20 mm thickness all works as per manufacturer's specification including scaffolding etc all complete	Sq Mt	275	
27	Providing and fixing 100 mm dia CI trap extension piece (of Bharat, HTS, BIO, Narealwalla make) with or without inlet including jointing with cement mortar (1:4) with existing soil waste pipe including labour and materials all complete.	each	4	
28	Removal of existing damaged gully / floor trap and providing and fixing gully/floor trap of self cleansing design with screwed down or hinged grating with or without vent arm complete including cost of cutting and making good the walls & floors.			
	a) 100mm inlet and 100 mm outlet with centrifugally cast (spun) iron S&S (of Bharat, HTS, BIO, Narealwalla make).	each	6	
29	Providing & fixing 100mm dia stainless steel grating for gully/floor traps.	each	5	
30	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete			
	a) 32mm dia flexible pipe	each	3	
	b) 40mm dia flexible pipe	each	20	
31	Providing & fixing 15mm bore and 450mm long unplasticised PVC connection pipe with brass unions.	each	20	
32	Providing and fixing of Flush valve (of approved make like Jaquar)	each	25	
33	Dismantling and removing existing soil waste pipe and providing and fixing PVC pipes(of Prince,kissan make) conforming to IS 13592 including all necessary fittings & labours all complete			
	a) 100 mm dia	RM	4	

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	b) 75 mm dia	RM	8	
34	Dismantling and removing existing CI accessories and providing and fixing of CI accessories(of Bharat,HTS,BIO,Narealwalla make) for rain water / waste pipes including filling the joints with spun yarns soaked in cement slurry and cement mortar 1:2			
	a) CI plain bend of required degree 75mm dia	each	3	
	b)CI bend of required degree with access doors 75mm dia	each	3	
	c) CI heal rest sanitary bends 75mm dia	each	3	
35	Providing and filling the joints with spun yarn cement slurry and cement mortar 1:2 (1 cement: 2 fine sand) in SCI/CI Pipes of 75mm diameter.	each	3	
36	Providing and fixing MS holder bat clamps of approved design to SCI / CI / pipes embedded in and including cement concrete blocks 10 x 10 x 10 of 1:2:4 mix including cost of cutting holes and making good the all walls etc.,			
	a) for 75mm dia pipes	each	3	
	b) for 100 mm dia pipes	each	3	
37	Providing, fitting and fixing GI / PVC pipes complete with GI / PVC fittings and clamps including cutting and making good the walls etc all complete			
	a) Exposed on walls			
	I) 15mm dia nominal bore	RM	5	
	II) 20mm dia nominal bore	RM	10	
	III) 25mm dia nominal bore	RM	5	
	IV) 40mm dia nominal bore	RM	5	
	b) Concealed pipe applied with anti corrosive bitumastic paint, cutting chases and making good the wall.			
	I) 15mm dia nominal bore	RM	5	
	II) 20mm nominal bore	RM	20	
38	Providing & fixing gun metal gate valve with CI wheel of approved quality (screwed end)			
	a) 25mm nominal bore	each	2	
	b) 20mm nominal bore	each	2	
39	Providing and fixing brass bib cocks of approved quality(like jaquar)			
	a) 15mm nominal bore	each	1	
	b) 20mm nominal bore	each	2	

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40	Providing and fixing brass stop cock(like jaquar) of approved quality Providing and fixing brass stop cock of approved quality			
	a) 15mm nominal bore	each	1	
	b) 20mm nominal bore	each	1	
41	Providing and fixing CP brass fittings of approved quality conforming to IS 8931(like jaquar)			
	a) Bib cock 15mm nominal bore	each	30	
	b) 15mm nominal bore stop cock	each	20	
	c)Angle valve of 15mm nominal bore	each	2	
	d)Pillar cock of 15mm nominal bore	each	20	
42	Providing & fixing CP brass towel rail 600 x 20mm (like jaquar) together with a pair of CP brass brackets to fit the size of towel rail fixed to wooden cleats with CP Screws.	each	2	
43	Repair of flush tank	No	10	
44	P&F hand shower(like jaquar)	each	5	
45	Supply & Fixing of fixed shower(Overhead) of approved make like Jaquar	each	5	
46	Supply & Fixing of Jet Spay(like jaquar) (2 in 1with Bib Cock)	each	10	
47	Supply & Fixing of Wall mixtures (of make like jaquar)	each	3	
48	Removing damage pillar/stop cock s&f new cock (of make like jaquar) as per direction	each	2	
49	Removing old damaged coupling, P&F new coupling as required	each	10	
50	P&F GI / PVC pipeline complete with stop cock for acquaguard line as required	Job	10	
51	Removing damaged seat from water closet, P&F new seat	No	2	
52	Providing and applying French spirit polish including preparing the surface			
	a) One coats on old work	Sq Mt	780	
	b) Two coat on new works including a coat of wood filler	Sq Mt	40	
53	P&A two coats of melamine polish as to be directed	Sq Mt	850	
54	Polishing on wood work with ready made wax polish of approved brand and manufacture on old work including removing/preparing work on existing surface	Sq.m	1600	



55	Dismantling of existing tiles and providing and fixing ceramic glazed tiles 1st quality (of make like HR Johnson, Kajaria, NITCO) minimum thickness 5mm in all colour shades except Burgundy, bottle green, black in floor, skirting, walls etc in true line and level with 1.3 cm backing plaster and neat cement float including filling joints with neat cement slurry cutting and cleaning etc complete(Tile size 300 X 200 mm for wall & 300 X 300 mm for floor)	Sq Mt	215	
56	Providing and laying ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS: 13755 (of make like HR Johnson, Kajaria, NITCO) in colours such as white, ivory, grey, fume red brown laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including pointing the joints with the white cement and matching pigment etc. complete.	Sq M	45	
	Providing and laying polished vitrified flooring tiles (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and confirming to IS:15622 of make like HR Johnson,Kajaria,Euro,Varmora) as per specification of manufacturer including all including all materials, labour ,pointing the joints with the white cement and matching pigment etc. all complete(Tile size:-600 x 600 mm or higher).			
	a)marbonite or equivalent	Sq M	1200	
	Dismantling of existing tiles and Providing and laying polished vitrified flooring tiles skirting (thickness to be specified by the manufacturer and height not exceeding 100 mm) with water absorption's less than 0.08% and confirming to IS: 15622 of make like HR Johnson, Kajaria, Euro, Varmora) as per specification of manufacturer including all including all materials, labour, pointing the joints with the white cement and matching pigment etc. all complete.			

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	a)marbonite or equivalent	Sq M	100	
57	Providing and laying polished vitrified flooring tiles skirting (thickness to be specified by the manufacturer and height not exceeding 100 mm) with water absorption's less than 0.08% and confirming to IS: 15622 of make like HR Johnson, Kajaria, Euro, Varmora) as per specification of manufacturer including all including all materials, labour, pointing the joints with the white cement and matching pigment etc. all complete.			
	a)marbonite or equivalent	Sq M	80	
58	Supply & Fixing of Sun Shelter to Windows	Sq M	23	
59	Removing existing wash basin and providing and fixing white vitreous china clay wash basin (of Hindware, Parryware, Cera make) including making all connections but excluding the cost of fittings.			
	a) Wash basin of size 630 x 450 mm	each	2	
	b) Wash basin of size 550 x 400 mm	each	30	
60	Providing & applying Polymer based water proofing materials as described below for all heights including necessary scaffoldings.	Sq Mt	160	
	1) Liberal spraying of one coat of diluted Omaicryl (50% of Omaicryl) rest for 1-1/2 hrs			
	2) 2 coats Omaiplas AB polymer Cementitious water proofing compound which comes in two pack system (Part A Cementitious chemical powder, Part B-Milky white polymer liquid) after the same are properly mixed. The application shall be with Brush at all the areas where diluted Omaicryl solution is applied. There shall be time gap of 6 hours between two coats of application.			
	3) Applying one coat of Omaicryl by brush without dilution (rest for 7 hrs/one night before the surface is being put in use.)			
61	Removing existing WC pan and providing and fixing water closet squatting pan (Indian type WC pan) (of Hindware,Parryware,Cera make)with 100mm sand cast iron P or S trap, 10 liter low level white PVC flushing cistern with manually controlled device (handle lever) conforming to IS7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required.			

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	a) White vitreous china Orissa pattern WC pan of size 580 x 440 with integral type foot rest	each	2	
62	Removing existing WC pan and providing and fixing white vitreous china pedestal type water closet (European type WC pan)(of Hindware, Parryware, Cera make) with seat and lid, 10 liter low level white PVC flushing cistern with manually controlled device (handle lever) conforming to IS 7231 with all fittings and fixture complete including cutting and making good the walls and floors wherever required.			
	a) WC pan with ISI marked black solid plastic seat and lid.	each	25	
63	Providing and fixing 10 liter capacity white PVC low level flushing cistern with manually controlled device (handle lever) conforming to IS 7231 with all fittings and fixtures complete.	each	4	
64	Providing and fixing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with second class teak wood.	Cum	2	
65	Providing and fixing paneled or paneled and glazed shutters 35mm thick for doors, windows and clerestory windows with second class teak wood excluding the cost of paneling and hinges, fittings etc which will be paid separately	Sq Mt	10	
66	Providing and fixing paneling or paneling and glazing in paneled or paneled and glazed shutters for doors windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured) Paneling for paneled and glazed shutters 25 mm to 40 mm thick second class teak wood.	Sq Mt	10	
67	Providing and fixing 35mm thick glazed shutters for doors, windows and clerestory windows using 10 Kg/Sq M(4mm thick) glass panes excluding the cost of hinges fitting etc will be paid separately.			
	a) Second class teak wood	Sq Mt	5	



68	Providing & fixing ISI marked flush door shutters non decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both sides.			
	a) 35 mm thick with ISI marked stainless steel butt hinges and screws	Sq Mt	15	
69	Extra for providing and fixing flush doors with teak veneering on one side over item no.21	Sq Mt	15	
70	Extra over item no.21 for providing lipping with 2nd class teak wood battens 25mm minimum depth on all edges of shutters (overall area of door shutter to be measured)	Sq Mt	20	
71	Providing & fixing in position 25mm dia mosquito proof coupling of approved design.	each	4	
72	Providing, fitting and fixing hardware fittings :			
	A) Anodized Aluminum Fittings			
	i) Tower bolt (Barrel type)			
	a) 150 x 10mm	each	20	
	b) 250 x 10mm	each	5	
	c) 100 x 10mm	each	5	
	ii) Sliding door bolts (Aldrops)			
	a) 300 x 16 mm	each	10	
	b) 150 x 16 mm	each	5	
	B) Brass fittings			
	i) Tower bolt (barrel type)			
	a) 100 x 10 mm	each	1	
	b) 150 x 10 mm	each	1	
	ii) 125mm hinges with plate 175x32	each	2	
	iii) Butt hinges (light/ordinary type)			
	a) 100 x 70 x 4 mm	each	40	
	b) 50 x 40 x 2.5mm	each	2	
	C) Stainless Steel Fittings			
	i) 125 x 64 x 1.90 mm butt hinges	each	10	
	ii) 100 x 58 x 1.90 mm butt hinges	each	5	
73	Providing and fixing powder coated brass curtain rod of 1.25 mm thick fixed in brass brackets with brass screws,			
	wooden plug etc.,			
	a) 20 mm dia	RM	10	
	b) 25 mm dia	RM	150	
74	Providing and fixing bright finished brass hanging type floor door stopper with rubber cushion, screws etc., complete	each	2	



75	Providing and fixing anodized aluminum powder coated aluminum hanging type floor door stopper with rubber cushion, screws etc complete	each	6	
76	Changing of nylon mosquito proof window net including removal of old net, supply and fixing of new net in aluminum frame / wooden frame with necessary back patty.	Sq Mt	30	
77	Providing fitting & fixing seven lever mortice - lock of Godrej make	each	15	
78	Replacing window shutter with new to be supplied by contractor	No	5	
79	Repairs of wall units in bedroom	No	10	
80	Repair of toilet door and fixing aluminum sheet	No	10	
81	P & F wooden shelves over kitchen platform	No	2	
82	Making opening for fixing window air conditioner & closing the vent with block board	No	20	
83	Repairing pelmet including supply & fixing curtain rod	RM	5	
84	P&F door eye as to be directed	No	6	
85	P&F aluminum kitchen rack size 600 x 450 x 250mm (approx.)	No	1	
86	Repairing almn glazed window complete with all materials	Sq Mt	200	
87	Providing and fixing anodized aluminum work for doors, windows(including sliding window), ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS:733 and IS:1285, anodized transparent or dyed to required shade according to IS:1868. (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansions hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beating for glazing/paneling, CP brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and paneling to be paid for separately.)			
	a) For fixed portion	Kg	450	

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	b) For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC/neoprene gasket required (fittings shall be paid for separately.)	Kg	30	
88	Providing and fixing 12mm thick prelaminated three layer medium density (exterior grade) particle board grade1, type II conforming to IS:12823 bonded with phenol formaldehyde synthetic resin, of approved brand and manufacture empanelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass/ stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.			
	a)Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	Sq.m	50	
	b) Prelaminated particle board with decorative lamination on both sides.	Sq.m	50	
89	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with PVC/neoprene gasket etc. complete as per the architectural drawing and the directions of engineer-incharge (cost of aluminum snap beating shall be paid in basic item.)			
	a) With glass panes of 4.0 mm thickness (weight not less than 10.0 kg/ sqm)	Sq.m	50	
	b) With glass panes of 5.50 mm thickness (weight not less than 13.75 kg./sqm)	Sq.m	70	
90	S & F of Aluminum window louvers complete with all fittings & glass	sq m	20	
91	Replacement of bathroom/toilet doors by P/F aluminum frames , panels and glass (thickness as per manufactures specification for such type of use) at all levels including all fittings, bolts, handles (including replacement of existing wooden/other frames if required)	Nos	60	
TOTAL				

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ANNEXURE-B

SCHEDULE OF ITEMS FOR REPAIR & MAINTENANCE OF WORK OF ELECTRICAL ENGINEERING NATURE				
SI	DESCRIPTION OF ITEMS	UNIT	QTY	RATE (RS.)
1	Dismantling of existing wiring including switch boards and main switch and making good the damages to match with the adjoining surface.	Point	95	
2	Point wiring for light / fan / bell with 2 x 1.5 Sq mm copper PVC wire (P+N) and 1 x 2.5 sq mm (E) copper 1100V grade in PVC casing and capping of minimum 20mm with necessary PVC accessories erected on wall/ceiling complete with ISI mark ceiling rose/batten holder/pendent holder / piano type switch / bell push erected on polished good quality double teak wood folded or screwed board with sun mica top fixed with brass screws and washers(Lighting wire make:- Polycab,Finolex,Ecko,National,Havells)	Point	100	
3	Point wiring for power / geyser plug with 2 x 2.5 sq mm copper PVC wire (P+N) and 1 x 2.5 sq mm (E) copper 1100 V grade PVC casing and capping of adequate size with necessary PVC accessories(of Polycab,CCI,Incab/Nicco make) erected on polished good quality double teak wood folded / screwed board with sun mica top fixed with brass screws and washers.	No	15	
4	Providing and erecting 32 Amp DP Switch (of approved make like anchor or equivalent)with fuse on polished sun mica board with sun mica top fixed with sun mica cover and other accessories complete.	No	15	
5	Providing and erecting 32 A TPN rewirable metal clad switch fuse unit complete with mounting arrangement and inter connection	No	12	
6	Providing circuit wiring from MCB/DB to switch board with 3x4 sqmm PVC copper wire (P+N+E) in PVC casing and capping(of Polycab,CCI,Incab/Nicco make) including all accessories	RMT	300	

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7	Point wiring for telephone socket with 2 pair 0.6mm PVC telephone wire in 15mm casing and capping up to the telephone tag box including providing telephone socket along with box on wall complete	No	5	
8	Providing and fixing of ceiling fans with double ball bearing - 48" of GEC / Crompton / Orient / Polar / Khaitan make without regulator	No	12	
9	Providing and fixing of the 40 W tube light fixture including copper choke, capacitor, starter etc but without lamp of approved make (like Bajaj, Crompton Greaves, GE lighting, Philips)	No	40	
10	Providing and replacing following spares for 40 W tube light fitting of approved make (like Bajaj, Crompton Greaves, GE lighting, Philips)			
	a) Electronic Choke	No	6	
	b) Starter	No	12	
11	Providing and fixing of door bell of Anchor make (ding dong or musical)	No	3	
12	Supply and fixing approved quality MCB of 9 KA breaking capacity of approved make (like MDS, Havells, Schneider, L&T)			
	i) 10-20 Amp Spn	No	2	
	ii) 30 Amp DP	No	3	
	iii) 30 Amp TPN	No	12	
13	Supply and fixing of CFL lamps 18W, 2-pin lamps of approved make (like Philips, GE, Thorn)	Nos	70	
14	Providing and fixing of 120W electronic fan regulator (M.K. India/Roma/North west/MDS make)	No	18	
15	Providing & Fixing instant geyser of approved company (such as Racold/Bajaj) 4.5 Kilowatt with S.S. body with PVC inlet and outlet connections complete (Three liter capacity)	No	3	
16	Providing & fixing of Exhaust fan (9 inch size) of approved make (like Crompton Greaves or GEC), 1500 rpm, 230V, Single phase.	No	5	
	TOTAL			

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ANNEXURE-C

SUPPLY OF MANPOWER UNDER THE FOLLOWING CATEGORIES WITH TOOLS				
S.NO.	CATEGORY OF LABOUR	UNIT	QU AL IFI CA TI ON	AMOUN T (RS.)
1	Mazdoor (unskilled)	Man hour	10	
2	Carpenter (2nd class)	Man hour	10	
3	Plumber	Man hour	10	
4	Mason	Man hour	10	
5	Fitter	Man hour	10	
6	Electrician (licensed)	Man hour	10	
	TOTAL			
THIS RATE WILL BE APPLICABLE FOR SUPPLY OF LABOUR ONLY ON CASE TO CASE BASIS. THIS WILL NOT BE CONSIDERED FOR ARRIVING OF L-1 IN THE COMPARATIVE STATEMENT. HOWEVER, L-1 PARTY WILL BE REQUIRED TO MATCH THE RATE OF L-1 OF ALL PARTIES FOR THIS COMPONENT.				

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<i>ANNEXURE-D</i>		
TOTAL COST IS GIVEN BELOW:-		
SL. NO.	ANNEXURES	AMOUNT (in Rs)
1	ANNEXURE-A : CIVIL WORK	
2	ANNEXURE-B: ELECT WORK	
	TOTAL COST	
Note:- Total of Annexure-A & B will only be considered for arriving at L-1 in comparative statement		
		SIGNATURE
NAME & SEAL OF TENDERER		