



Tender for Annual Maintenance Contract of Civil Work for Manicktala Main Office and Manicktala Works.
Tender No: BCPL/AMC/Civil/15-16.



BENGAL CHEMICALS & PHARMACEUTICALS LTD

(A Govt. of India Enterprise)

Bengal Chemicals & Pharmaceuticals Limited
168 Manicktala Main Road, Kolkata-700054
West Bengal, India.

Tender for Annual Maintenance Contract of Civil Work for Manicktala Main Office and Manicktala Works.

NIT

Tender No	BCPL/AMC/Civil/15-16
Tender Date	12 th August, 2015
Tender Fees	Rs: 300/-
EMD (Mandatory, without EMD, no bidder will qualify the technical round)	Rs: 70,000/-
Demand Draft Address	All DD will be in favor of Bengal Chemicals & Pharmaceuticals Limited, payable at Kolkata.
Address for Bid submission & Evaluation	Purchase Department, Bengal Chemicals & Pharmaceuticals. 168, Manicktala Main Road, Kolkata –54.
Last date & Time of Bid Submission	4th September, 2015 up to 4:00Pm
Opening of Bid	4 th September, 2015 up to 4:30Pm
Venue for Bid submission & Opening	Purchase Department, Bengal Chemicals & Pharmaceuticals Ground Floor of Manicktala Main Office, Manicktala Main Road, Kolkata – 54.



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NOTICE INVITING TENDERS

01. Tender Reference: **BCPL/AMC/ CIVIL/ 2015-2016** **Date: 12.08.2015**
02. Name of the work: Annual Maintenance Contract for Civil Work of MFY & MO
03. Period of contract: 1 Year
04. Estimated Cost: Rs. 34.00 Lakhs
05. Earnest Money Deposit: Rs. **70,000.00** /-
06. Last Date & Time for the: **Before 4.00 PM on 13.08.2015** receipt of Completed Tender.
07. Date & Time for: Tender Opening (Technical Bid) **At 4.30 PM on 13.08.2015**
08. Place of submission of completed Tender: Tender document shall be dropped at **Tender box** kept at Purchase Department
BCPL, Maniktala Division,
168,Maniktala Main Road, Kolkata-700 054
This tender document contains the following.

PART-1

COMMERCIAL BID (AMC for Civil Work)
(To be furnished by the Bidder)

Name of work: _____

Tender Ref: _____

A) : Information Part:

S.N	Particulars	To be filled by Bidder
1.0	Name of the Contractor	
2.0	Address (Office)	
3.0	Address (Residence)	
4.0	Telephone Number	
	Office	
	Residence	
	Mobile No.	
5.0	5.0 Email id.	
6.0	Technical Staff Details (Use separate sheet if reqd.)	Furnished/ Not Furnished
7.0	Working Staff Details (Use separate sheet if reqd.)	Furnished/ Not Furnished
8.0	Plant & Equipment details (Use separate sheet if reqd.)	Furnished/ Not Furnished

B) : Essential Criteria for Techno-Commercial Acceptance of Bid



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S.N	Particulars	To be filled by Bidder
01	Experience Certificate for successfully completed similar works during immediate last 3 years as mentioned below: (<i>Similar work means AMC works for civil /structural work</i>) One work not less than 80% of the estimated Cost/year of this NIT or Two works of not less than 50% of the estimated cost /year of this NIT or Three works of not less than 40 % of the estimated cost/year of this NIT (copy of performance report from the organization Where the work is executed is to be enclosed. Submission of Work Order copy is not adequate	
02	Average Turn Over of the last three years (not less than 30% of the estimated cost/year of the NIT)	
2.1	Turn over - Previous financial year	
2.2	Turn over - 1 year before previous financial year	
2.3	Turn over- 2 years before previous financial year	
3.0	Solvency: (not less than the estimated cost/year of the NIT, Certificate from the Bank not older than one year to be furnished)	
0.4	Whether Registered with ESI / PF Authority	
4.1	If Yes, indicate PF Registration No. (Copy of last month contribution paid receipt to be enclosed)	
4.2	If Yes, indicate ESI Registration No. (Copy of last month contribution paid receipt to be enclosed)	
5.0	Execution of the work fully as per scope of work & all terms and condition of work in NIT Acceptable/ Not Acceptable	Acceptable/ Not Acceptable



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C) : Other Conditions:

01.	Is the cost of Tender document fee paid.(If the Tender document is downloaded from BCPL Website, Is the Tender document fee enclosed with the Techno Commercial Bid in the form of DD drawn in favour of("BENGAL CHEMICALS AND PHARMACEUTICALS LIMITED"))	Yes/ No
02.	Form of EMD furnished (Cheque is not acceptable)	DD/ Pay Order
03	Cash (receipt No. and Date)	
04	DD Particulars	
05	General Conditions of Contract & NIT	Acceptable/ Not Acceptable
06.	Contract period mentioned in NIT	Acceptable/ Not Acceptable
07	Payment Terms defined in NIT	Acceptable/ Not Acceptable



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INSTRUCTIONS TO TENDERERS

Name of work: Comprehensive Annual Maintenance Contract (Labour only) for Civil Work

1. Sealed Tenders for the above noted works are hereby invited from Contractors experienced in works of similar kind and magnitude.

2. Tenders should be addressed to Dy. Manager (Purchase), **BENGAL CHEMICALS & PHARMACEUTICALS LIMITED MANIKTALA Division, 168, Maniktala Main Road, KOLKATA-700 054**

The full name and address of the tenderer, name of the work and the date of opening should be indicated on the cover.

2.1 The local address of the Contractor, the name of the person to whom all the Correspondences are to be addressed should be indicated with telephone number (both office and residence), FAX /e-mail address, Mobile phone No. etc.

3. All entries in the tender documents should be in the same ink. Erasures and over writing are not permitted. The tenderer concerned with proper indication of the name, designation and address of the person signing should duly sign all cancellations and insertions.

4. Tenderers shall fill in all the required particulars in the blank spaces provided for this purpose in the tender documents and also sign each and every page of the tender document including the drawings (wherever applicable) attached there to before submitting tender.

5. Rates should be quoted in figures as well as in words in Indian Currency only i..e. Rupees and Paise with reference to each item and for all the items shown in the attached schedule. The rates shall include all taxes and duties payable on account of Service Tax, Sales Tax etc., and also expenses towards PF and ESI contributions (see Annexure 'C'). The tenderers shall fill amount of each item and the total on each sheet as also the grand total amount of the whole contract.

6. In case the rate quoted in figures differs from those quoted in words, the lower of the rates will be taken as the tendered rate and shall be binding on the tenderers.

7. In quoting their rates, the tenderers are advised to take into account all factors including any fluctuations in market rates. No claim for enhanced rates will be entertained on this account after acceptance of the tender or during the currency of the contract.

8. The rates to be quoted by the tenderer shall be firm and shall cover and include all statutory levies arising from Acts, passed by Parliament or by State legislature and rules framed there under. The rates shall further be deemed to include statutory levies arising from such Acts, Central or State, which may come into force, subsequent to submission of tenders. The tenderer shall note that no claim for enhancement of rates, on the ground that existing statutory levies have been increased, or that new statutory levies have come into effect after tender, or on any other ground, will be entertained on any account.



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9. (a) The rates quoted in the tender shall remain valid for the period of AMC. No price escalation will be entertained

(b) **Tenderer shall not increase their quoted rates, once the tenderer has submitted his quotation and during execution of the contract in case his tender is accepted.**

10. Before tendering, the tenderers are advised to inspect the site of work and its environments and be well acquainted with the actual working and other prevailing conditions, position of materials and labour. They should be well versed with BCPL General Conditions of Contract, Instructions to tenderers, drawing wherever applicable and specifications and all other documents which form part of the agreement to be entered into subsequent to award of work. The tenderers shall specially note that it is the tenderer's responsibility to provide any item which is not specially mentioned in the specification or drawing, but which is necessary to complete the work.

12. Details and quantities of each item of work shown in the "Bill of Quantities" attached here to be only approximate. They are given as a guide for the purpose of tendering only and are liable to variation and alteration at the discretion of the competent authority. The work under each item as executed shall be measured and priced at the corresponding rates to be quoted by the contractor in the Bill of Quantities attached here to.

13. Should a tenderer find discrepancies or omissions in the drawings wherever applicable / Specifications / Scope of work / Terms & Conditions attached to the tender documents or should be in doubt as to their meaning, he should at once address to the authority inviting the tender for clarifications. Every endeavor is made to avoid any error which can materially affect the basis of the tender but the successful tenderer shall take upon himself to provide for the risk of any error which may be subsequently discovered and shall make no subsequent claim on account thereof.

14. In the event of tender being submitted by a firm, the tender must be signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the power of Attorney on behalf of the firm concerned. In the latter case, a copy of the power of attorney duly attested by a Gazetted officer must accompany the tender.

15. In case, the date of tender opening falls on Holiday, the tender will be opened on the next working day.

16. Every tender must be accompanied by deposit receipt for the amount mentioned as Earnest Money Deposit. This earnest money will be refunded to the unsuccessful tenderers after finalization of the award of work. In the case of successful tenderer, the earnest money will be retained as part of the Security Deposit for satisfactory completion of the work in accordance with General Conditions of the Contract. Tenders without Earnest Money Deposit receipts are liable to be rejected. No interest will be paid on the earnest money deposits.

17. The Earnest Money Deposit shall be submitted along with Technical bid and only be furnished by Demand Draft

18. Unless the Contractor whose tender is accepted signs the contract agreement within fifteen days (15 days) of the date of the order directing him to do so, the amount of Earnest Money already deposited by him may be forfeited and acceptance of his tender withdrawn.

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19. If, after opening of tenders, a tenderer revokes his tender or increases his earlier quoted rates or after acceptance of his tender does not commence the work in accordance with the instructions of Engineer-in-charge, the Earnest Money Deposited by him will be forfeited and acceptance of his tender withdrawn. If only a part of the work included in the tender had been awarded to the tenderer, the amount of Earnest Money to be forfeited will be based on the value of the contract so awarded.

20. BENGAL CHEMICAL AND PHARMACEUTICALS LIMITED reserves the right to reject any or all the tenders received or accept any tender or part thereof without assigning any reason thereof. In the case of acceptance of a part of tender, the time for completion may also be reduced to the extent considered appropriate by the accepting authority.

21. Conditional and unsigned tenders, tenders containing absurd rates and amounts, tenders which are incomplete or otherwise considered defective, tenders which are not in accordance with the tender conditions laid down by the Accepting Officer and tenders not submitted in the prescribed forms are liable to be rejected.

22. The tenders should be accompanied by a list of contracts already held by the Contractor at the time of submitting the tender and giving the following particulars:

- (a) Name of work, value and address.
- (b) The balance work remaining to be done on the same.

23. Tenders submitted by post should be sent by "Registered Post with Acknowledgement due". These should be posted with due consideration for any delay in postal delivery. Tenders received after the due date of opening of tenders are liable to be rejected.

24. The Contractor's responsibility under this contract shall commence from the date of receipt of the order or acceptance of his tender.

25. If a tenderer expires after the submission of his tender or after the acceptance of his tender, BCPL may, at their discretion, cancel such tender. If a partner of the firm expires after the submission of the Tender, after the acceptance of the Tender, BHEL may cancel such Tender at the discretion unless the firm retains its character (s).

26. BENGAL CHEMICAL AND PHARMACEUTICALS LIMITED will not be bound by any power of Attorney granted by the tenderer or by changes in the composition of the firm made subsequent to the execution of the contract. They may however, recognize such power of Attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the contractor concerned.

27. If the tenderer deliberately gives wrong information in his tender, BCPL reserves the right to reject such tender at any stage. Further the tenderer will be liable for any damage caused.

28. Words imparting the singular number shall be deemed to include the plural number and vice-versa where the context so requires.

29. The General and Special Conditions of Contract are complementary to each other and where they are in conflict, the special condition shall prevail.

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30. The expenses for completing the stamping the agreement shall be paid by the Contractor.

31. Should a tenderer or a contractor on the list of approved contractors have a relative or in the case of firm or Company of Contractors any of its share holder's relative is employed in a Managerial Capacity in the Manicktala Division of BENGAL CHEMICAL AND PHARMACEUTICALS LIMITED , the authority inviting tenders shall be informed of this fact at the time of submission of the tender, failing which tender may be disqualified or if such a fact subsequently come to light, the relevant provisions of the General Conditions of Contract will apply.

32. These 'INSTRUCTIONS TO TENDERERS' & 'GENERAL CONDITIONS OF CONTRACT OF BCPL' shall be deemed to form an integral part of the contract agreement for the work to be entered into. In cases of variation between the two in any matter, the conditions in the 'THE INSTRUCTIONS TO TENDERERS' shall prevail.

33. All operations to be carried out by the Contractor during the execution of the contract shall be done with proper equipment brought by the tenderer. Suitable power point will be provided and tapping from the power point to equipment shall be done using proper size of cable ,equipment and after getting approval of connections from our Engineer-in-charge.

34. The Contractor shall comply with the provision of Employees Provident Fund and Miscellaneous Provisions Act 1952 and rules, regulations and other orders issued there under. He, as an employer, shall be liable to pay employer's contribution/deductions towards PF under the PF Act in respect of all labour employed by him, for the execution of the contract in accordance with the provisions of the Employees Provident Funds and Miscellaneous Provisions Act, 1952 as amended from time to time. For this purpose he shall indicate the code number obtained from the Regional Provident Fund Commissioner or he should obtain a code number if he has not and produce the Photostat copy of the challan / receipt of monthly remittance of the contribution made by him to the PF Commissioner. Final payments due to him will be released only on production of a "No due certificate" from the Regional Provident Fund Commissioner wherever applicable. He shall also furnish such returns as are due, under the Act, to be sent to the appropriate authorities through the Principal Employer". 40 The Contractor should get himself registered with the E.S.I. Authorities as an independent Employer, obtain a separate code number and remit the dues in respect of the labour employed by him for the work and produce the Challans / Receipts of remittance of the ESI contributions due under the E.S.I. Act to the Company authorities. He shall also furnish such returns, as are due, under the Act, to be sent to the appropriate authorities through the Principal Employer.

35. The Contractor should get himself registered with the E.S.I. Authorities as an independent Employer, obtain a separate code number and remit the dues in respect of the labour employed by him for the work and produce the Challans / Receipts of remittance of the ESI contributions due under the E.S.I. Act to the Company authorities. He shall also furnish such returns, as are due, under the Act. To be sent to the appropriate authorities through the Principal Employer.

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36.1 If any action is brought in by P.F. Commissioner/ESI authorities on BCPL for the work done by the Contractor for his laborers regarding PF/ESI amount due, short remittances, non remittances etc., the Contractor shall defend the case on behalf of BCPL and/or reimburse BCPL the expenses so incurred.

36.2 If applicable, the Contractor shall apply and obtain license under Contract labour (R&A) Act 1970 and comply with the relevant provisions of this Act in respect of the labour employed by him for executing this contract. The Contractor shall furnish necessary returns to the authority through the Principal Employer.

37. If applicable, the Contractor shall insure all his labourers and materials. Any claim by his employees for the damages shall be settled by the contractor even action is against BCPL or to reimburse the legal expenses incurred by BCPL

38. Any action brought in by anybody on BCPL regarding patent, right etc., used by contractor in execution of work shall be defended by the contractor and /or reimburse to BCPL the cost of the same.

39. Contractor shall produce necessary records, documents, and explanation whenever he is called upon to do, by any Government. Agencies like ESI, PF, VIGILANCE etc.,

40. TERMS OF PAYMENT:

Payment will be made on monthly basis subject to a minimum bill amount of 3Lakh against your invoice after satisfactory Services of each month.

41. RUNNING ACCOUNT PAYMENTS

During execution of work, payments of all works in place will be made on the basis of measurements recorded in measurement sheet / book in respect of items executed but no claim on the account will be entertained, if for any reason payments are not so made.

42. The work shall be carried out as per detailed specifications enclosed with the tender. The items for which there is no mention in the drawings, detailed specifications to relevant IS specifications (latest edition) shall be followed.

43. CLEANING OF SITE:

After completion of the work, the contractor shall remove all debris, take away left over construction materials, machine, equipment, temporary offices, stores, work shop etc. and make the area neat and clean. The cost of this work shall be included in the quoted rate.

I) TOOLS, TACKLES AND MEASURING INSTRUMENTS:

All the necessary Tools, Tackles and Measuring Instruments required during Maintenance works/Breakdown Maintenance works/Overhauling works/While conducting tests are to be arranged from your end as and when required at no extra cost.

II) GENERAL:

1) All the statutory requirements as called for by the labour Department, Government of West Bengal, are to be fulfilled in respect of Income Tax, PF, ESI and Safety etc, Your personnel



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working in BCPL should be Covered under above schemes of your company. You shall furnish the ESI and PF codes.

2) Your service personnel should take adequate safety precaution and use necessary safety equipments during repair/servicing works.

3) Any damage that may be caused to men and assets of our company by your personnel shall be made good at your cost.

4) You are requested to abide by security rules to get access to our premises that are in force from time to time.

5) Returnable materials such as tools, equipments and replacement spares etc brought inside our premises shall be entered at our check post at Gate office to enable you to take them back after the completion of works.

6) All the materials such as spares/consumables etc required for service /maintenance work shall be brought with necessary delivery challans duly Endorsed by our security at the material gate.

7) Your service personnel have to report to the Engineer In charge/Supervisor in charge immediately after entering into our factory premises and before taking up any service /repair works.

Scope of Work

The scope of work is as per the description of items mentioned in the price bid

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PART-II.

Price Bid
SCHEDULE OF AMC WORK (CIVIL):

ITEM NO	ITEM OF WORK	UNIT	QUANTITY	RATE	AMOUNT	REMARKS
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches,levelling, dressing and ramming the bottom, bailing out water as required complete (a) Depth of excavation not exceeding 1,500 mm.	% CUM	30			
2	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) (a) With earth obtained from excavation of foundation.	%CUM	10			
3	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity).	cum	25			
4	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m In ground floor including roof.(a) upto 150 mm. thick.	cum	10			
5	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.a) In ground floor including roof.	cum	25			
6	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars (a) In ground floor including roof.	cum	10			



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7	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof.	sqm	150			
8	Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	sqm	300			
9	Cutting chase upto 125 x 150 mm. and subsequent mending of damages.(a) in brick wall [Cement-3.6 Kg/Mtr] wall .	Mtr.	100			
	(b) in concrete Kg/Mtr] In masonry up to 500 mm wide.	Mtr.	100			
10	Cutting holes and subsequent mending good damages.(a) Diameter upto 150 mm.	Mtr.	50			
	b) Diameter exceeding 150 mm. but not exceeding 300 mm.	Mtr.	50			
	c) Diameter exceeding 300 mm. but not exceeding 450 mm.	Mtr.	10			
11	In reinforced concrete up to 350 mm wide in cluing cutting of reinforcement by gas cutter etc. complete.					
	(ii) In concrete work (plain or R.C.)hole up to 150 mm dia.	Mtr.	50			
	(ii) In concrete work (plain or R.C.) Hole dia above 150mm to 300 mm	Mtr.	50			
	(ii) In concrete work (plain or R.C.) 300 above to 450 mm dia.Hole dia above 300mm to 450 mm .	Mtr.	10			
12	Cement concrete with graded jhama khoa 30 mm size) excluding (a) 1:3:6 proportion shuttering In ground floor and foundation.	cum	10			
13	ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes.a) Pakur Variety	cum	10			
14	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	Sqm	200			
15	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:1:4 cement mortar(1cement:4 course sand) .	cum	5.00			
16	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :Cement mortar 1:6	Cum	25			



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	(1 cement : 6 coarse sand).					
17	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	125			
18	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	Sqm	100			
19	Extra over rate of corresponding items forbrick works in arches including hire andlabour charges for shuttering, centring etc. complete. (a) Clear span not exceeding 1,500 mm.	Cum	20			
20	6 mm cement plaster of mix :1:3 (1 cement : 3 fine sand)in ceiling	sqm	150			
22	15 mm cement plaster on rough side of single or half brick wall of 1:6 (1 cement: 6 coarse sand)mix :	sqm	250			
23	Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) : Flush / Ruled/ Struck or weathered pointing.	sqm	150			
24	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate.	sqm	200			
25	Reparing cracks in floor with cement mortar (1:2) with necessary pigment to match with existing works, including prior cutting and cleaning the cracks as directed.	%Mtr.	150			
26	Precast pierced concrete jally work as per design and manufacturer's specification including moulding etc. with stone chips and necessary reinforcement shuttering complete including fitting, fixing in position in all floors.	sqm	20			
27	Reparing crack in wall by cement grouting (1 : 2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1 : 2) and finishing off to match with adjacent surface. (cement-69 Kg/100 m	metre.	100			



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28	(A) Stitching crack in brick wall by carefully cutting out face brick 125 mm. deep into the wall, cleaning the gap and filling up the same with precast cement concrete block carefully set in cement mortar (1:3) including mending good damages and finishing the surface to match with adjacent areas complete as per irection.With plain cement concrete blocks(1:1½:3) with stone chips.Block size 250 x 125 x 75 mm.	each	50			
	(b) Block size 250 x 125 x 150 mm.thi	each	20			
29	(C) Renewing weathered face brick including taking out the old brick completely and setting the head brick carefully in cement mortar (1:3) complete, including making good all damages.					
	(i) In stretcher course. (Cement-0.75kg/no	each	100			
	In header course- (Cement-1.0 Kg/No.)	each	100			
30	Supplying and laying standard four course bituminous water proofing treatment as per specification laid down in I.S. 1346 - 1991 to be finished with pea size gravel including necessary preparatory works such as shaping mouth of outlets, cutting as and where necessary and refilling with sand and Cement mortar (4:1) or Cement Concrete (1:2:4) with graded stone chips before undertaking the treatment including cutting grooves in parapet and inserting edge of felt and mending good damage complete in all respect as per direction of Engineer - in -Charge including cost of all materials and labours and incidental charges but excluding the cost of Cement Mortar or concrete required for levelling and grading. (In sloped roof Course sand of approved varieties is to be used in place of Pea size gravels as fourth and final course.) i) 1st and 3rd Course with bonding materials of hot applied industrial blown type bitumen of grade 85/25 or 90/15 conforming to I.S.702 - 1988 @ 12Kg/10Sqm on each layer. ii) 2nd course with Hessian base self finished bitumen type-3 Gr.-I conforming to I.S. 1322-1993 (weighing 23kg/10Sqm gross with bitumen content 12.10kg/10Sqm) tested under the revision of I.S. 13826 -1993 part VII iii) 4th course with washed and clean pea sized gravel	sqm	200			



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	or grit @ 0.006 cum/Sqm. A. Over Flat Roof.					
30	B. Over Sloped Roof.		350			
31	Brick pavement with 1st class or picked jhama bricks as directed with joints set close in cement mortar (1 :6) and rule\flush pointing with cement mortar (1 : 4) (i) When laid with a cushion of sand below (including cost thereof).					
	(a) One brick flat pavement	sqm	10			
	(b) One brick-on-edge pavement.	sqm	10			
	(c) One brick-on-edge pavement in herring bone pattern.	sqm	30			
32	Labour for taking out door and window frame including shutter or repair or replacement of different parts of the frame & refixing the same including mending good all damaes complete. (Concrete and brick work for be paid separately)					
	(a) upto area 2.5 sqm .	sqm	20			
	b)Above area 2.5 sqm.	sqm	50			
33	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals).Sal : Local.	cum	2			
34	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated:					
	100mm long x 10mm dia. bolt.	each	20			
	150mm long x 10mm dia. bolt.	each	20			
	200mm long x 10mm dia. bolt.	each	20			
35	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.	each	20			
36	Iron catch hook of approved quality fitted and fixed to shutter and chowkat. b) 6mm dia x 225mm long.	each	20			
37	(A) Iron door ring of approved quality fitted and fixed with nut and washer (i).50 mm dia.	each	20			
38	Brass floor door stopper.	each	40			
39	Renewing mortice lock handle with connected rod:					
	(a) With chromium plated.	pair	20			



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40	Renewing 125mm long wooden buffer block ii) With Sal : Malayasian.	each	40			
41	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.(vi) 100mm. X 50mm. X 1.25mm.	each	40			
42	Hydraulic door closer of approved quality as per I.S.I. standard fitted and fixed (b) Medium (I.S.I. size 2)	each	60			
43	Supplying best Indian sheet glass panes set in putty and fitted and fixed with nails and putty complete. (In all floors for internal wall & upto 6 m height for external wall) (i) 3 mm thick (weighing 7.4 kg/Sq.m)	sqm	50			
44	White washing including cleaning and smoothening surface thoroughly.(b) Two coats (to be done on specific instruction).	sqm	100			
45	Colour washing with "ELLA" with a coat of white wash priming including cleaning and smoothening surface thoroughly :	sqm	100			
46	Finishing walls with water proofing cement paint of required shade : Old work (one or more coats applied @ 2.20 kg/10 sqm)over priming coat of primer applied @ 0.80 litrs/10 sqm complete including cost of Priming coat.	sqm	400			
47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface.	sqm	600			
48	Scraping of moss, blisters etc.thoroughly from exterior surface of walls necessitating the use of scraper, wire brush etc.(Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge)	sqm	700			
49	Painting with oil type wood preservative of approved brand and manufacture : Old work (one or more coats.)	sqm	20			
50	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade : One or more coats on old work.	sqm	20			
51	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work.	sqm	50			



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52	Painting with aluminium paint of approved brand and anufacture to give an even shade : One or more coats on old work.	sqm	20			
53	Repainting sand cast iron/ centrifugally cast iron (spun) iron, soil, waste, vent pipes and fittings with one coat of synthetic enamel paint of any colour such as chocolate, grey or buff etc :					
i	100 mm diameter pipes	Metre	30			
ii	75 mm diameter pipe	Metre	30			
54	Re-painting C.I. cistern with bitumastic or any other anti-corrosive each paint inside and white paint on the outside surface of the cistern,flush pipe, other fittings, etc. complete, including polishing of wooden seat and lid and cleaning of W.C. pan with acid wherever necessary.	each	10			
55	Providing and fixing PTMT Waste Coupling for wash basin and sink,of approved quality and colour.(i)Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms.	each	5			
ii	Waste coupling 38 mm dia of 83 mm length and 77mm breadth weighing not less than 60 gms.	each	5			
56	Providing and fixing PTMT Bottle Trap for Wash basin and sink.Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms.	each	5			
57	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	5			
58	White Vitreous China Flat back wash basin size 550x	each	5			



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	400 mm with single 15 mm C.P. brass pillar tap .					
59(i)	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend. each 6,316.05	each	10			
60	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete (i) 32 mm dia .	each	5			
61	Providing and fixing 100 mm sand cast Iron grating for gully trap. each	each	3			
62	Providing and fixing soil, waste and vent pipes : 75 mm diameter : Sand cast iron S&S pipe as per IS: 1729 .	Metre	10			
63	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	each	10			
64	Providing and fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet : 250x130x30 mm	pair	5			
65	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes : 75 mm dia pipe	each	10			
(i)	100 mm dia pipe	each	10			
ii 66	15 mm dia nominal bore (Internal work)	Metre	90			
iii	20 mm dia nominal bore	Metre	100			



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iv	25 mm dia nominal bore	Metre	30			
v	32 mm dia nominal bore	Metre	30			
vi	40 mm dia nominal bore	Metre	20			
vii	50 mm dia nominal bore	Metre	30			
67i	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. (External work) 15 mm nominal outer dia Pipes	Metre	30			
ii	20 mm nominal outer dia Pipes	Metre	30			
iii	25 mm nominal outer dia Pipes	Metre	20			
iv	32mm nominal outer dia Pipes	Metre	25			
68	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :(i)15 mm dia nominal bore	Metre	42			
	(ii)20 mm dia nominal bore	Metre	30			
69	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work :15 mm diameter pipe	Metre	100			
	20 mm diameter pipe	Metre	90			
	25 mm diameter pipe	Metre	100			
	32 mm diameter pipe	Metre	30			
	40 mm diameter pipe	Metre	30			
	50 mm diameter pipe	Metre	20			
		Metre	90			
70	Repainting G.I. pipes and fittings with synthetic enamel white paint with one coat of approved quality :					
1	15 mm diameter pipe metre	Metre	80			
2	20 mm diameter pipe metre	Metre	60			
3	25 mm diameter pipe metre	Metre	90			
4	32 mm diameter pipe metre	Metre	30			



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5	40 mm diameter pipe metre	Metre	30			
6	50 mm diameter pipe metre	Metre	50			
71	Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with :Makrana Dungri	sqm	10			
	Raj Nagar plain	sqm	100			
72	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :					
	25 mm thick	sqm	50			
73	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.					
	20 mm thick	sqm	10			
74	Supplying, fitting & fixing granite slabs 15mm to 18 mm. thick with uniform texture & without decorative veins in columns, wall, facia, rise etc. with 15 mm thick [avg] cement mortar (1:2) including making suitable arrangements to hold the stones properly by brass / copper hooks including pointing in cement mortar (1:2) (1 white cement : 2 marble dust) with admixture of pigment matching the stone shades all complete as per direction of the Engineer-in-charge including cost of all materials, labours, scaffolding, staging, curing and roughening of concrete surface complete. [Using cement slurry at back side of granite @ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m] In ground floor (a) Area of each Granite slab 0.6 to 1.0					
	Square meter	sqm	10			



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a	Uprooting and removing plants from the surface of walls parapet etc and making good damages. Repairing of damages to be paid separately.(a) Small plant of girth of exposed stem upto a) Small plant of girth of exposed stem upto 75 mm. lift upto 6 mtr.	each	50			
b	(b) Medium size plant of girth of exposed stem above 75 mm. but not exceeding 150 mm.lift upto 6 mtr.	each	50			
c	(c) Large plant of girth of exposed stem above 150 mm. but not exceeding 225 mm. lift upto 6 mtr.	each	50			
75i	Labour for taking out rolling shutter (only shutter portion) dismantling by parts for repair or(replacement of damaged parts only), rehangng and refitting the same in position after necessary repairs (excluding the cost of supply of new parts).	sqm	20			
75ii	Renewing seam pipe for rolling shutter as per existing size and shape fitting, fixing complete	Rm	10			
75iii	Renewing side split pin for seam pipe for rolling shutter	each	20			
75iv	Oiling and greasing of rolling shutter and repair to in side lock.	sqm	20			
75v	Renewing profile of rolling shutter including fitting fixing complete as per existing size and shape.	Metre	160			
75vi	Renewing spring of rolling shutter as per existing size and shape including fitting fixing complete.	each	25			
76i	Dismantling roofing including ridges, hips, valleys and gutters etc.,Sqm and stacking the material within 50 metres lead of :G.S. Sheet	Sqm	100			
76ii	Asbestos sheet	Sqm	100			
77	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces),excluding	sqm	100			



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	the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 0.80 mm thick with zinc coating not less than 275 gm/m ²					
78	Asbestos corrugated (Trafford or similar approved quality) sheet (6 mm thick) work (excluding the supporting framework) fitted and fixed with 9.5mm. dia. J or L hook-bolt and nuts, limpet and bitumen washers and putty with 150 mm end lap & one corrugation minimum side lap complete. (Payment should be made on area of finished work)(a) In Roof	sqm	100			
79.1(ii)i	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :Of area 3 sq. metres and below	each	12			
72.1(ii)ii	Asbestos corrugated (Trafford or similar approved quality) sheet (6 mm thick) work (excluding the supporting framework) fitted and fixed with 9.5mm. dia. J or L hook-bolt and nuts, limpet and bitumen washers and putty with 150 mm end lap & one corrugation minimum side lap complete. (Payment should be made on area of finished work) (a) In Roof	each	8			
81	Taking out existing partition/ceiling of particle board, masonite board, ply board, soft board etc. of any thickness and refixing same in new position with necessary clamps making holes in walls, floor, roof and mending damages if any.[concrete plaster will be paid separately	sqm	50			
82	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position :Kiln seasoned and chemically treated hollock wood	cum	2			
83	(A) Partition of commercial ply as per design fitted and fixed complete (excluding the supporting framework but including necessary teak wood battens of size 40mmx 25 mm): In Ground Floor (12mm thick)	sqm	10			
84	Partition of masonite board as per design fitted and fixed complete (excluding the supporting framework but including necessary wood battens of size 40 mmx25	cum	10			



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	mm):b.i) 4.5mm thick					
85	Ceiling of masonite board as per design fitted and fixed complete (excluding the supporting framework but including necessary wood battens of size 40 mmx25 mm). In ground floor(i) 4.5mm thick (b) Sal Local.	sqm	20			
86	Wall panelling / partition with Melamine faced 3 layered flat pressed wood particle board of approved make and brand as per direction of Engineer - in - Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping) (B) Prelaminated particle board conforming to IS: 3087 - 1985 and IS 12823 - 1990.(b) Interior Grade 12mm thick.	sqm	20			
87	(a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc.fitted and fixed with necessary screws and lugs in ground floor.(i)(i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr.	kg	320			
88	Wall panelling / partition with Melamine faced 3 layered flat p ressed wood particle board of approved make and brand as per direction of Engineer - in - Charge of requisite grade bonded with phenol formaldehyde synthetic resin conforming to IS: 848 - 1974 (excluding the cost of supporting frame work and teak wood battens / lipping)	sqm	20			
89	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g.joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in- charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS:816- 1956 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 1957, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as	MT	0.11			



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	electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental charges such as electricity charges, labour insurance charges etc. Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, bolts and nuts may be made by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. / m. or 15 % of weight for finished structural members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc. and no separate payment being made for these items, as per direction of Engineer In Charge. The rates are considered for a height of erection 8m. / 2nd floor level from the ground. Add 1.5% extra over the rate for each additional floor or 4m. beyond initial 8m. or part thereof. I) For structural members of specified III) For built up sections / structural members of specified sections weighing not less than 22.5 Kg./m					
89	II) For Structural Works in Roof Trusses etc. using joists, channels and angles of specified section weighing not less than 22.5 kg/ m	MT	0.11			
90	Taking out Mirzapur or glazed porcelain tiles carefully by chiselling from walls or floor including stacking serviceable material as directed.	sqm	15			
91	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of : (1) G.S. Sheet	sqm	50			
92	(2) Asbestors Sheet	sqm	25			
93	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	sqm	30			
94	Polishing with melamine finish to wooden surface after preparing the surface as per decision and direction of Engineer-in-Charge.	sqm	30			
95	French polishing to wood work including preparing surface (ordinary gloss) (b) On old French polished surface including	sqm	10			



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	complete removal of the old polish.					
96	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work	sqm	10			
96ii	On concrete work	sqm	30			
97	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer	sqm	40			
98	Applying priming coat :With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works sqm	sqm	50			
99	Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	sqm	350			
100	Application of priming coat for standard bituminous waterproofing treatment over flat roof with Bitumen primer of approved brand fulfilling the provision of I.S. 1346 - 1991 & 3384 - 1986 applied @ 0.27 Liters /Sq.m. over clean and prepared roof surface complete as per satisfaction of the Engineer -in - Charge.	sqm	200			
101	Taking out old damaged tarfelt from the roof, parapet etc. preparing the roof surfaces by removing all spoils, blisters, moss etc. from the working site and disposal of the same beyond the compound and cleaning the site in all respect as per direction of Engineer-in-C	sqm	200			
102i	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete.	sqm	10			
102ii	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	10			
102iii	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	10			



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102iv	Suspended floors, roofs, landings, balconies and access platform sqm	sqm	30			
103 i	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Mild steel and Medium Tensile steel bars.	Kg	50			
103ii	Cold twisted bars	Kg	150			
104	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
104(i)	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) .	Qtl	5			
104ii	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	Qtl	10			
105	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) .	cum	10			
106	Providing and laying cement concrete in retaining walls, return walls,walls (any thickness) including attached pilasters, columns, piers,abutments, pillars, posts, struts, buttresses, string or lacing courses,parapets, coping, bed blocks, anchor blocks, plain window sills, fillets,sunken floor,etc., up to floor five level, excluding the cost of centering,shuttering and finishing	cum	10			
107	Supplying Santraj	each	100			
108	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	sqm	100			
108ii	Clearing jungle including uprooting of rank vegetation, grass, brush wood,trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	%sqm	100			



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109	Making one set of scaffolding only for replacing glass panels, painting, uprooting plant and another repairing works of building and S&P works for external works only with 10 cm. dia bamboo as main posts at the rate of 1 metre centre to centre and 7.5 cm. dia bamboo ties @ 0.75 metre apart fitting and fixing with necessary coir, nails etc. as per direction of the Engineer-in-charge.(This item should be executed only after prior approval of the Engineer-in-charge). Firstly, one number to be paid and then labour rate for shifting up to further nineteenth (19) times @ 10% each time to be considered. If necessary further after twenty times of total use, another one number new and labour rate for shifting to be considered accordingly.i(up to 3.9 height)	each Set	100			
110.(i)	Extra for additional 3.6 height or part thereof.	each Set	100			
110(ii)	M.F. suspended ceiling made with 12.5 mm thick Gypsum plaster board including G.I. perimeter channel of 0.55 mm flush (having two flanges 20 mm and 30 mm respectively and web 27 mm) along with perimeter of ceiling with G.I. intermediate channel of 0.9 mm thick size 45 mmx15mm placed at 750 mm c/c with G.I. ceiling angle of size 25 mmx10mmx0.55 mm thick fixed to the ceiling with G.I. Cleat and steel expansion fastener ceiling section 0.55 mm thick of size 51.50 mmx26mm fixed to the intermediate channels with the help of connecting clip and in the direction of perpendicular to the intermediate channel of 300 mm c/c 12.5 mm thick Gypsum plastered board are to be fixed under ceiling section as above by machine screws. The boards are to be joined and finished with jointing compound, paper tape and application of top coat etc. as per the direction of Engineer-in-charge. (The rate includes of cost of all materials including all labour & materials as required at site of work.	sqm	100			



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111	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	sqm	80			
111(iv)	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 EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)	each	20			
111(v)	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness sqm	each	40			
111(vi)	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding	each	40			



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	in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness .					
111(vii)	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm.	each	20			
111(viii)	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :200x10 mm .	each	100			
111(ix)	300x10 mm Aluminum tower bolt.	each	100			
112	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete. each 386.80	each	10			
113	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 100x63x4 mm.	each	100			
114	Providing and fixing terminal guard : 100 mm Sand cast iron S&S as per IS - 1729 .	each	2			
115	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps.	each	5			
116	Providing and fixing plain bend of required degree. 100 mm dia Sand cast iron S&S as per IS - 1729 each	each	5			
117	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm each	each	5			
118	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or	each	5			



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	without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 100 mm outlet Sand cast iron S&S as per IS: 3989 .					
119	Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) : 100 mm dia metre.	Metre	10			
120	Removing sludge from septic tank, soak well etc. by methor labour including disposal of the same outside the compound as directed.(c) Upto 50 users:- (ii) Beyond a lead of 150 metre and outside the Municipal limit .	each	3			
121	Refixing wash basin with brackets with or without waste fittings.	each	10			

DM (Purchase)
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