

ARMY INSTITUTE OF MANAGEMENT, KOLKATA  
RENOVATION OF BUILDING NO P-17 – TENTATIVE SCOPE OF WORK

1. Cutting holes of Diameter exceeding 150 mm. but not exceeding 300 mm. subsequent mending good damages, propping up overhead members.
2. Dismantling carefully wood work in posts, postplates, rafters, partition etc., sorting and stacking servicable materials at site and removing rubbish as directed.
3. 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 electrodes, gas and hire charge of all tools and plants and labour required for the work.
4. Labour for propping up overhead members s a precautionary measure against falling as directed with necessary planks, Eucalyptus props, packing ails, wire ropes, iron wires etc. including hire charges of all materials fitting, fixing dismantling and removing the props etc and all ancillary works in this connection complete.
5. Labour for hoisting and placing in proper position ( up to 1st floor level) departmental R.S. joists, channels, angles. Tees, plates etc. including fitting nd fixing same with bolts and nuts, if necessary (but excluding cost of such bolts and nuts).
6. Repairing steel shutter of windows with new rivets including taking out and refixing, adjusting, welding, cleaning cutting holes, mending good damage to match with the existing one.
7. 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.
8. Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] **(i) With 1:6 cement mortar** (a) 25 mm thick plaster.
9. Extra rate for using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate) for concrete of various grades.
10. Scrapping and application of Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothning of surface. **Two Coats.**
11. Priming one coat on timber or plastered or steel surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.
12. Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary.
13. Repairing wooden doors as necessary, including replacement of nets.
14. Stripping and chipping out old damaged Hessian base self finished bituminous felt from roof surface.

15. Stitch repairing of roof surface crack by "v" group repairing method with necessary bonding material and water proofing compound (using polymerized cement ).
16. Supplying and laying standard six course bituminous water proofing treatment as per specification laid down to be finished with course sand including necessary preparatory works such as shaping mouth of outlets, cutting chase as and where necessary and refilling with sand and Cement mortar (4:1) or Cement Concrete (4:2:1) 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 course sand as sixth and final course.) i) 1st, 3rd and 5th Course with bonding materials of hot /cold applied industrial blown type bitumen ii) 2<sup>nd</sup> course with thick plastic sheet iii) 4th course with Hessian base self finished bitumen type-3 Gr.-I conforming to I.S. 1322-1993 (weighing 23kg/10Sq.m gross with bitumen content 12.10kg/10Sq.m ) tested under the provision of I.S. 13826 - 1993 part VII iii) 6th course with washed and clean sand.
17. Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification .
18. Applying Protective and Decorative exterior acrylic high class satin finish paint of approved quality, composed of special Thermoplastic Resin as per manufacturer's specification and as per direction of EIC to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer.
19. Labour for Chipping of concrete surface.
20. Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour.
21. Supplying , fitting & fixing Zn -Al alloy coated ( followed by colour coated ) steel sheet work having minimum yield strength of 550 Mpa of trapezoidal profile of approved make (excluding the supporting frame work) fitted and fixed with 10 mm. dia J or L hook-bolts, limpet and bitumen washers and putty complete with 150 mm. end lap and one corrugation minimum side lap. (Payment to be made on area of finished work).
22. Renovation of electrical wiring including a) electrical sub-main wiring and point wiring using FR p.v.c insulated and unsheathed copper wire (of approved brand ) and p.v.c casing-capping as per drawing and specification. b) Installation of electrical isolator, protective switch gear such as m.c.b and other accessories as per requirement .c) Providing earthing with copper electrodes and necessary connection to the body of equipment.