

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

NO.SD-III-CB-Tender/2022-23- 18410  
To

Dated:- 20-9-22

The Executive Engineer(IT Cell)  
Nigam Vihar, Shimla-2

Subject:- Tender Notice

Enclosed kindly find herewith the tender notice for the various works as given in the notice inviting tender for uploading on department website as per notification of Principal Secretary (PW) to the Govt. of HP vide letter No.PBW(B)A(3)1/2020 dated 16<sup>th</sup> July, 2021 as the works mentioned in the notice inviting tender are urgent/emergent nature of works in public interest.

Encl:- as above

Executive Engineer,  
Shimla Division No-III,  
HP PWD Shimla-3

**HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT  
\*NOTICE INVITING TENDER\***

Sealed item rate tenders on form No. 6&8 are hereby invited by the Executive Engineer, Shimla Division No. III, HP.PWD, Shimla-3 on behalf of the Governor of H.P. for the following works from the eligible Contractors/Firms enlisted in HP.PWD, so as to reach in his office on or before 30-09-2022 up to 10.30 A.M. and will be opened on the same day at 11.00 A.M. in the presence of the intending Contractors/Firms or their authorized representatives. The tender form can be had from his office against cash payment (non-refundable) on any working day up to 4.00 P.M. on 29-9-2022 and the application for issue of tender form shall be received up to 4.00 P.M. on 29-9-2022

The earnest money in the shape of National saving Certificate/Time deposit account saving account in any of the post office in HP, duly pledged in favour of Executive Engineer, Shimla Division No-III must accompany with the application form for the tender offer. Conditional tender and the tender received without earnest money will summarily be rejected. The Executive Engineer reserves the right to reject the tender without assigning any reason there to. Other conditions are applicable as per form No. 6&8. The offer shall remain open for 30 days.

| Sr. No | Name of work  | Estimated Cost | Earnest money | Time      | Form No | Cost of form |
|--------|---|----------------|---------------|-----------|---------|--------------|
| 1      | S/R to various residential buildings under Division No.III Shimla.(SH:- Renovation of Room No.3&4, balcony repair, repair of store room in set No. 11 block -B Type-V Qtrs. at Richmond Shimla).  | Rs.2,72,335/-  | Rs.5450/-     | One Month | 6&8     | 350/-        |
| 2      | A/R & M/O to residential building type-II at Corrostopphen Estate, IGMCO Shimla. (SH:- Repair and routine maintenance work in type-II set No.1 to 40).  | Rs.2,38,121/-  | Rs.4770/-     | One Month | 6&8     | 350/-        |
| 3      | A/R & M/O to various residential building under Shimla Division No.III (SH:- Providing and Fixing PVC flooring, PGI sheet ceiling, wire gauge shutters, cup board in kitchen, painting and distemping etc. in set No.10 Transit Accommodation at Jakhoo).               | Rs.1,48,084/-  | Rs.2970/-     | One Month | 6&8     | 350/-        |
| 4      | A/R & M/O various residential buildings under Division No.III Shimla.(SH:- Construction of manhole, laying of sewer pipeline in old MLA Qtrs. backside of block-A near Boileanganj crossing Shimla).  | Rs.2,51,270/-  | Rs.5030/-     | One Month | 6&8     | 350/-        |
| 5      | S/R to residential building under Shimla Division No-III (SH:- Renovation of kitchen, bath & toilet of type-I qtrs. set No.6 second floor and set No.7 & 8 third floor new block at Barnes Court Shimla-2).   | Rs.3,56,044/-  | Rs.7130/-     | One Month | 6&8     | 350/-        |
| 6      | A/R & M/O various residential buildings under Division No. III Shimla. (SH:- Construction of manhole, laying of sewer pipeline in old MLA qtrs. backside of block-B near Boileanganj Shimla).   | Rs.2,51,108/-  | Rs.5020/-     | One Month | 6&8     | 350/-        |
| 7      | S/R to various non residential buildings under Shimla Division No.III (SH:- Construction of pedestal behind PWD store near Royal Hotel) at Nabha Estate Shimla.   | Rs.3,86,997/-  | Rs.7750/-     | One Month | 6&8     | 350/-        |
| 8      | A/R & M/O various residential building under Shimla Division No.III(SH:- Out side painting and distemping in block 1 to 6 and 8 to 10 at Ellerslie colony at Chotta Shimla).  | Rs.1,80,141/-  | Rs.3610/-     | One Month | 6&8     | 350/-        |
| 9      | A/R & M/O various residential buildings under Division No.III Shimla (SH:- Renovation of kitchen, repair of toilets, and miscellaneous repair work in C-5 at Old MLA Qtrs at Boileanganj Shimla).   | Rs.2,25,737/-  | Rs.4510/-     | One Month | 6&8     | 350/-        |
| 10     | S/R to various non residential buildings under Shimla Division No.III (SH:- Providing & Fixing pre-painted sheet on structural steel PWD store adjacent to block P-II & in front of block No. 35 etc ) at Nabha Estate Shimla.  | Rs.3,58,584/-  | Rs.7200/-     | One Month | 6&8     | 350/-        |
| 11     | A/R & M/O various residential buildings under Division No.III Shimla. (SH:- Repair of set No.2 at Outhouse of set A-2 type-VI at Bemole Shimla).  | Rs.1,21,980/-  | Rs.2440/-     | One Month | 6&8     | 350/-        |
| 12     | S/R to various non residential buildings under Shimla Division No.III (SH:- Construction of structural steel store adjacent to block P-II & in front of block NO. 35 etc ) at Nabha Estate Shimla.  | Rs.3,84,735/-  | Rs.7700/-     | One Month | 6&8     | 350/-        |
| 13     | A/R & M/O to various non residential building under Shimla Division No.III (SH:- C/O MS stand for PVC water storage tank and 2000 litres capacity tanks over stair hall slab of block 'C' (Architect Branch) Engineer-In-Chief Office building at Nigam Vihar Shimla-2) | Rs.4,28,742/-  | Rs.8580/-     | One Month | 6&8     | 350/-        |



|    |   |               |           |           |     |       |
|----|---|---------------|-----------|-----------|-----|-------|
| 14 | S R to various residential buildings under Division No.III Shimla (SH- Repair of tile work and sanitary repair work and other miscellenous repair work in block II set No. 20 at U.S. Club Shimla)  | Rs.3,62,153/- | Rs.7240/- | One Month | 6&8 | 350 - |
| 15 | S R to various residential buildings under Shimla Division No. III (SH- Providing & Fixing cupboards in block No. 35B/3.4, type-II etc ) at Nabha Estate Shimla.  | Rs.2,55,820/- | Rs.5150/- | One Month | 6&8 | 350 - |
| 16 | S R to various residential buildings under Division No.III (SH- Providing and laying chequerred tile in back side and front side of block A type V at Richmond Shimla).   | Rs.3,64,154/- | Rs.7280/- | One Month | 6&8 | 350 - |
| 17 | A R & M/O various residential buildings under Shimla Division No.III (SH- Internal painting & distempering in vaction and due sets during 2022-23 to block No. 35/1TF, L-II/83, 85,D-II-III 51,A-II 3,R-II/151 etc) at Nabha Estate Shimla        | Rs.98,124/-   | Rs.2000/- | One Month | 6&8 | 350 - |
| 18 | A R & M/O non residential building under Division No. III Shimla (SH- Miscellenous repair work in the office of S.E. N.H. Circle Balquali Shimla-4)   | Rs.3,28,800/- | Rs.6580/- | One Month | 6&8 | 350 - |
| 19 | S R to various non residential buildings under Shimla Division No. III (SH- Repair of flooring including painting, distempering etc in state Library near Church) (Balance work).   | Rs.2,18,183/- | Rs.4400/- | One Month | 6&8 | 350 - |
| 20 | S R to various residential buildings under Shimla Division No. III (SH- Providing and Fixing cupboards, lining, tiles, wood work, shutters, painting, distempering including sanitary fittings in block No. 20 4 MF etc ) at Nabha Estate Shimla. | Rs.3,13,494/- | Rs.6300/- | One Month | 6&8 | 350 - |
| 21 | S R to various residential building under Division No. III Shimla. (SH- Providing and laying stone soling, repair of tile work, and other miscellenous repair work in Ellerslie college at Chotta Shimla).  | Rs.3,73,592/- | Rs.7470/- | One Month | 6&8 | 350 - |
| 22 | A R & M/O to various residential buildings under Division No. III Shimla. (SH- Repair of Cupboard, white washing etc in block No.III set No. 36 and 42 Type-IV at U.S. Club Shimla).  | Rs.1,04,020/- | Rs.2080/- | One Month | 6&8 | 350 - |
| 23 | A R & M/O various residential buildings under Division No. III Shimla. (SH- Repair of toilet , painting and distempering of set No-5 new type-V building at Richmond Shimla).   | Rs.1,33,614/- | Rs.2670/- | One Month | 6&8 | 350 - |
| 24 | S R to various residential buildings under Division No.III Shimla (SH- Providing and fixing ceiling, PVC repair and other miscellenous repair work in set No.24 at Old MLA qtrs. Boileanganj Shimla.  | Rs.3,71,862/- | Rs.7440/- | One Month | 6&8 | 350 - |
| 25 | S R to various residential buildings under Division No.III Shimla.(SH- repair of roof, gutter of ground floor of secretary cottage at U.S. Club Shimla).  | Rs.3,98,609/- | Rs.7970/- | One Month | 6&8 | 350 - |
| 26 | A R & M/O to various residential building under Shimla Division No. III (SH- Construction of retaining wall in left side of first floor of block No.2 type-I qtrs. at Yates Place Near Raj Bhawan Shimla-2).                                      | Rs.1,13,417/- | Rs.2270/- | One Month | 6&8 | 350 - |
| 27 | S R to various non residential buildings under Shimla Division No. III (SH- Providing & Fixing paneling , celing, flooring etc attached room to winter field Annexe above LA office).   | Rs.3,69,066/- | Rs.7400/- | One Month | 6&8 | 350 - |
| 28 | A R and M/O to various residential buildings under Division No.III Shimla. (SH- Painting and distempering and other Miscellenous repair work in benmore-B).   | Rs.3,13,394/- | Rs.6270/- | One Month | 6&8 | 350 - |
| 29 | A R & M/O to various residential building under Shimla Division No.III (SH- Providing and fixing welded mesh, plastering brick work, tile work painting and distempering etc. block No. 3 set No. 1 to 4 at Barnes court Shimla).                 | Rs.2,57,833/- | Rs.5160/- | One Month | 6&8 | 350 - |
| 30 | S R to various residential buildings under Division No. III Shimla. (SH- Repair of roof of overseer qtrs. at Richmond Shimla).  | Rs.3,86,842/- | Rs.7740/- | One Month | 6&8 | 350 - |
| 31 | S R to various residential building under Shimla Division No.III (SH- P.F half brick masonry, tile work, cupboard, Sanitary work etc. in set No. 1 and bunglow no.3 at Harvington Estate Shimla)  | Rs.3,55,382/- | Rs.7110/- | One Month | 6&8 | 350 - |
| 32 | S R to various residential buildings under Division No. III Shimla. (SH- Repair of old soffits, facia, front and back side of block No IV at U.S. Club Shimla).   | Rs.3,57,327/- | Rs.7140/- | One Month | 6&8 | 350 - |



|    |   |               |            |           |     |       |
|----|---|---------------|------------|-----------|-----|-------|
| 33 | A/R & M/O to various residential building under Shimla Division No.III (SH:-Repair of RCC slab over chowkidar room, C/O kitchen with RCC slab, Cupboard, floor and wall tiels, 12mm thick ply in ceiling, painting and plastering etc in chowkidar room in back side of Mudkanda House at Barnes Court Shimla). | Rs.2,01,367/- | Rs.4030/-  | One Month | 6&8 | 350 - |
| 34 | A/R & M/O various residential buildings under Division No.III Shimla (SH:- Trimming of grass and disposal of building rubbish from various residential buildings under Benmore Section).  | Rs.1,48,781/- | Rs.2980/-  | One Month | 6&8 | 350 - |
| 35 | S/R to various residential buildings under Shimla Division No. III (SH:- Providing & fixing cupboards, shutters, tiles, flooring, painting including sanitary fittings in set No. J-II 72, K-II 76, 31 ITF, 37 14 & 37 12etc ) at Nabha Estate Shimla.  | Rs.3,97,924/- | Rs.8000/-  | One Month | 6&8 | 350 - |
| 36 | S/R to High Court building at Shimla. (SH:- Providing and fixing aluminium built up section windows in the office of Hon'ble Chief Justice).  | Rs.2,43,481/- | Rs.4870/-  | One Month | 6&8 | 350 - |
| 37 | S/R to varous non residential building under Division No.III(SH:-Painting, Polishing and distempering in Court No.2 and 3 at Hon'ble High Court building).  | Rs.3,74,104/- | Rs.7280/-  | One Month | 6&8 | 350 - |
| 38 | A/R & M/O Council Chamber building at Vidhan Sabha (SH:- Painting and distempering outside)   | Rs.2,11,114/- | Rs.4220/-  | One Month | 6&8 | 350 - |
| 39 | S/R to residential building under Shimla Division No.III (SH:- Providing and fixing prepainted sheet sun shade over window, wooden bramkets and planks under prepainted sheet in place of damaged wooden sun shade in set No. 9 to 16 block-B of Transit Accommodation at Jakhoo Shimla).                       | Rs.3,71,027/- | Rs.7430/-  | One Month | 6&8 | 350 - |
| 40 | A/R & M/O various residential buildings under Division No. III Shimla (SH:- Steel work in staircase in out house of Curzon House building etc).   | Rs.1,14,071/- | Rs.2280/-  | One Month | 6&8 | 350 - |
| 41 | S/R to residential building under Shimla Division No. III (SH:- Providing and fixing prepainted sheet sun shade over window, wooden brackets and planks under prepainted sheet in place of damaged wooden sun shade in set No. 1 to 8 block -A of Transit Accommodation at jakhoo Shimla).                      | Rs.3,96,096/- | Rs.7930/-  | One Month | 6&8 | 350 - |
| 42 | S/R to Principal office at IGMC Shimla. (SH:- Construction of toilets for staff of Additional Director at First floor).   | Rs.4,99,504/- | Rs.10000/- | One Month | 6&8 | 350 - |
| 43 | A/R & M/O to various residential building under Shimla Division No. III (SH:- Repair of residential qtrs. I-I ground floor, type-III in knollw wood at Nigam Vihar Shimla-2)  | Rs.2,15,949/- | Rs.4320/-  | One Month | 6&8 | 350 - |
| 44 | S/R to block-B at IGMC Shimla (SH:- P/F 3mm thick polycarbonate corrugal sheet roofing, steel work etc. over emergency floor Rd 0/00 to 0/017).   | Rs.4,67,855/- | Rs.9360/-  | One Month | 6&8 | 350 - |
| 45 | A/R & M/O to Medical College at IGMC Shimla(SH:- Dismantling tiles, steel painting, cupboard, paneling etc. in Anatoy Department)(Balance work).  | Rs.3,95,193/- | Rs.7910/-  | One Month | 6&8 | 350 - |
| 46 | S/R to block-B at IGMC Shimla. (SH:- P/F 3mm thick polycarbonate corrugal sheet roofing, steel work etc. over Emergency floor Rd 0/017 to 0/034).   | Rs.4,69,000/- | Rs.9380/-  | One Month | 6&8 | 350 - |
| 47 | A/R & M/O to various residential building under Shimla Division No. III (SH:- Providing and fixing of door shutters, cupboards, painting and distempering etc. block-I Type-III qtrs., set No. 3 of knols wood Shimla-2).   | Rs.72,113/-   | Rs.1450/-  | One Month | 6&8 | 350 - |
| 48 | S/R to Eilersli main building at H.P Secretariat Shimla-2 (SH:- Providing PVC in corridor at 2 <sup>nd</sup> and 3 <sup>rd</sup> Floor).  | Rs.1,15,660/- | Rs.2320/-  | One Month | 6&8 | 350 - |
| 49 | A/R & M/O to various residential building under Shimla Division No.III (SH:- Repair of residential quarters B-8 type-IV Third floor in Knolls wood at Nigam Vihar Shimla-2).  | Rs.1,82,603/- | Rs.3660/-  | One Month | 6&8 | 350 - |
| 50 | S/R to High Court building at Shimla. (SH:- Providing and fixing aluminium built up section windows in the office of Hon'ble Chief Justice).  | Rs.3,97,475/- | Rs.7950/-  | One Month | 6&8 | 350 - |
| 51 | S/R to various non residential building under division no-III Shimla.(SH:- Providing and fixing dice, PVC flooring nd othe4r wood work in court no.1).  | Rs.3,48,735/- | Rs.6970/-  | One Month | 6&8 | 350 - |
| 52 | A/R & M/O Eilerslie and Armsdale building at H.P Secretariat Shimla. (SH:- Re-aligning of water supply pipe line from chowk near Governor Rest House 1/584 to 1/980).   | Rs.4,00,110/- | Rs.8010/-  | One Month | 6&8 | 350 - |



|    |   |               |           |           |     |       |
|----|---|---------------|-----------|-----------|-----|-------|
| 53 | S/R to DDUZ new hospital building at Shimla. (SH:- Rubbing and polishing of kota stone in duty rooms & Corridor area etc) at DDU hospital Shimla.   | Rs.4,96,069/- | Rs.9950/- | One Month | 6&8 | 350/- |
| 54 | A/R & M/O to non residential building under Shimla Division No.III (SH:- Repair work in block-A & block -B at Engineer-in-Chief Office Nirman Bhawan Nigam Vihar Shimla-2).   | Rs.67,284/-   | Rs.1350/- | One Month | 6&8 | 350/- |
| 55 | A/R & M/O to various residential building under Shimla Division No.III (SH:- Providing and Laying floor and wall tiles, PGI sheet ceiling, cup board, partition wall, painting and distempering etc in set No.2 ground floor of Attorney cottage at Barnes Court Shimla-2). | Rs.1,97,010   | Rs.3950/- | One Month | 6&8 | 350/- |
| 56 | S/R to various residential buildings under Division No.III Shimla (SH:- Repair of toilets, cupboard and other miscellaneous repair work in set No. 5,6,8 block -II type-IV at Richmoud Shimla).   | Rs.3,55,967/- | Rs.7120/- | One Month | 6&8 | 350 - |
| 57 | S R to Indira Gandhi Sports Complex at The Mall Shimla. (SH:- Renovation and repair of ceiling, paneling, repair of flooring and other miscellaneous repair work in Director's office & deputy director office at Indira Gandhi Sports complex at The Mall Shimla).         | Rs.4,91,711/- | Rs.9830/- | One Month | 6&8 | 350 - |
| 58 | S/R to Directorate of Horticulture building at Navbahar Shimla-2 (SH:- Renovation of Auditorium Hall and toilet etc.).  | Rs.3,97,809/- | Rs.7960/- | One Month | 6&8 | 350 - |
| 59 | S/R to Govt. Degree College Sanjauli Shimla. (SH:- Providing and laying interlocking pavers on ground (Balance work)  | Rs.4,98,261/- | Rs.9965/- | One Month | 6&8 | 350 - |
| 60 | S/R to Directorate of Horticulture building navbahar Shimla-2 (SH:- Renovation of Auditorium hall i.e. polishing, cup board, painting and distempering etc.).   | Rs.2,59,259/- | Rs.5190/- | One Month | 6&8 | 350 - |

It is certified that the above works are required to be carried out immediately being emergent nature of work in public interest.

**Terms & Conditions:-**

- 1 The contractor/firm shall have his GST No. and attested copy of the same be attached with the application for issue of tender form.
- 2 The contractor/firm should attach attested copy of registration/renewal.
- 3 Copy of PAN card be attached with the application form.

**NO.SD-III-CB-Tender/2022-23-**

Copy forwarded for the following for information and necessary action to:-

1. The Engineer-in-Chief, HPPWD Nirman Bhawan, Nigam Vihar Shimla-2.
2. The Deputy Commissioner Dist. Shimla-1.
3. The Superintending Engineer 4th Circle in H.P, PWD Shimla with the request to issue necessary certificate regarding display of above tender notice in the notice board of circle office in view of the Principal Secretary (PW) to the H.P notification No.PBW (B) A (3)1/2020.Dated:-Shimla-2 the 07January, 2021 and even file No.PBW (B) A(3)1 2020 Dated 16 July,2021 Please.
4. The Executive Engineer, IT wing to the Engineer-in-Chief, HPPWD Nirman Bhawan, Nigam Vihar Shimla- 2 along with schedule of Quantity through (e-mail) for taking necessary action in view of principal Secretary(PW) to the Government of Himachal Pradesh notification No.PBW (B)A(3)1/2020 dated 16<sup>th</sup> July,2021.
5. The Municipal Commissioner M.C. Shimla.
6. All the Assistant Engineers working under this Division.
7. The president contractor/association Shimla.
8. Notice board

Executive Engineer,  
Shimla Division No-III,

HP PWD Shimla-3

Dated:-

20-9-22

Executive Engineer,  
Shimla Division No-III,

HP PWD Shimla-3



# SCHEDULE OF QUANTITY

1

Estimated cost:- 272335.00  
Earnest Money:- 5450.00

Time :- One Month.

Name of work:- S/R to various residential buildings under division no III Shimla (SH:- Renovation of Room No.3 & 4, Balcony repair, repair of store room in set no 11 Block-B Type V Qtrs at Richmond Shimla)

| Sl. NO. | Sub-Head/Item of work.   | Qty.        | Rate        |          | Unit.             | Amount. |
|---------|--|-------------|-------------|----------|-------------------|---------|
|         |  |             | In Figures. | In Words |                   |         |
| 1       | 2  | 3           | 4           | 5        | 6                 |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or leaner mix (i/c equivalent design mix)   | 1.09 cum    |             |          | Per cubic metre   |         |
| 2       | Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhat, architrave, holdfasts etc. complete and stacking within 50 metres lead including carriage of materials within all leads and lifts. Of area 3 sq. metres and below                        | 2.00 No     |             |          | Each              |         |
| 3       | Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead. including carriage of materials within all leads and lifts.                                      | 18.84 Sqm.  |             |          | Per square metre. |         |
| 4       | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.  | 60.04 Sqm.  |             |          | Per square metre. |         |
| 5       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)   | 0.76 cum    |             |          | Per cubic metre   |         |
| 6       | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately) 2nd class Deodar wood . | 0.069 cum   |             |          | Per cubic metre   |         |
| 7       | Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts :- Second class deodar wood.   | 0.321 cum   |             |          | Per cubic metre   |         |
| 8       | Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts :- Rae wood/chill wood   | 0.051 cum   |             |          | Per cubic metre   |         |
| 9       | Providing and fixing Chicken/ monkey mesh dhajji wall including carriage of material in all leads and lift complete as per direction of Engineer-in -Charge.   | 22.790 Sqm. |             |          | Per square metre. |         |
| 10      | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : Cement mortar 1:4 (1 cement : 4 coarse sand)   | 1.840 Sqm.  |             |          | Per square metre. |         |



|    |   |        |      |  |  |  |                    |  |
|----|---|--------|------|--|--|--|--------------------|--|
| 11 | Providing and fixing water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) 12mm thick including carriage of materials within all leads and lifts.  | 12.450 | Sqm. |  |  |  | Per square metre.  |  |
| 12 | Providing and fixing 12 mm thick ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)  | 12.890 | Sqm. |  |  |  | Per square metre.  |  |
| 13 | Providing and fixing 12mm thick imported pine wood ceiling/ panneling with tongued and grooved jointing of standard quality ISI mark and approved shade and colour complete including carriage of material within all leads and lifts.  | 12.890 | Sqm. |  |  |  | Per square metre.  |  |
| 14 | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Deodar wood wood 35 mm thick shutters  | 2.340  | Sqm. |  |  |  | Per square metre.  |  |
| 15 | Providing and fixing 40x12 mm size wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. in 2nd class D/Dar wood complete including carriage of materials within all leads and lifts.   | 28.200 | Rmtr |  |  |  | Per running metre. |  |
| 16 | Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.   | 38.200 | Rmtr |  |  |  | Per running metre. |  |
| 17 | Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.  | 5.880  | Sqm. |  |  |  | Per square metre.  |  |
| 18 | Providing and fixing Aluminium sliding door 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 nuts and screws etc. complete : complete including carriage of materials within all leads and lifts. 250x16 mm  | 1.00   | No   |  |  |  | Each               |  |
| 19 | 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 : 150x10 mm  | 4.00   | No   |  |  |  | Each               |  |
| 20 | 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 :125mm.   | 3.00   | No   |  |  |  | Each               |  |
| 21 | Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete. | 5.88   | Sqm. |  |  |  | Per square metre.  |  |



|    |   |             |                   |
|----|---|-------------|-------------------|
| 22 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600mm X 600mm.                                  | 6.30 Sqm.   | Per square metre. |
| 23 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 600x600 mm                   | 1.030 Sqm.  | Per square metre. |
| 24 | Providing and laying White / coloured glazed tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 300mm x450mm.. | 19.690 Sqm. | Per square metre. |
| 25 | 15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand) including carriage of materials in all leads and lifts.  | 90.480 Sqm. | Per square metre. |
| 26 | Polishing two coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler (Two or more coat on new wood)  | 14.180 Sqm. | Per square metre. |
| 27 | Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.  | 23.51 Sqm.  | Per square metre. |
| 28 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.   | 94.30 Sqm.  | Per square metre. |
| 29 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.   | 13.86 Sqm.  | Per square metre. |
| 30 | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.   | 13.86 Sqm.  | Per square metre. |
| 31 | Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : new work (Two or more coats) over and including water thinnable priming coat with cement primer  | 70.79 No    | Each              |
| 32 | Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade in ceiling and slopy roof : Old work (one or more coats) over and including water thinnable priming coat with cement primer  | 47.02 No    | Each              |



|    | Painting wood work with Deluxe Multi Surface Paint to give an even shade. one or more coat sqm of approved brand and manufacture including carriage of materials within all leads and lifts.  | 156.43 Sqm. | Per square metre. |
|----|---|-------------|-------------------|
| 34 | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid. | 1.00 No     | Each              |
| 35 | Providing and fixing vitreous china wash basin of size 550x400mm 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.   | 1.00 No     | Each              |
| 36 | Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings including carriage of materials within all leads and lifts.   | 1.000 No    | Each              |
| 37 | Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.  | 1.000 No    | Each              |
| 38 | Providing and fixing plastic seat (Solid / Hollow type) and cover for wash down water closet with C.P. Brass hinges and rubber buffers including carriage of materials within all leads and lifts :- Solid Type :- White solid plastic seat with lid.   | 1.000 No    | Each              |
| 39 | Providing and fixing C.P Brass Single lever telephonic wall mixer with top / bottom swinging spout of approved quality including carriage of materials within all leads and lifts.  | 1.000 No    | Each              |
| 40 | Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.  | 1.000 No    | Each              |
| 41 | Providing and fixing 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts.   | 2.000 No    | Each              |
| 42 | Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.   | 1.00 No     | Each              |
| 43 | Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts  | 1.00 No     | Each              |



|    |  |            |                    |
|----|--|------------|--------------------|
| 45 | Providing and fixing RSTS102 Hand shower with 1.5 m flexible hose and hook including carriage of materials within all leads and lifts Cat No RSTS 102  | 1.00 No    | Each               |
| 46 | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work:-15mm dia nominal bore. External work   | 12.20 Rmtr | Per running metre. |
| 47 | Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour:-15mm nominal bore with 45cm length.  | 4.00 No    | Each               |
| 48 | Providing and fixing C.P soap Dish having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.  | 2.00 No    | Each               |
| 49 | Providing and fixing 600mm X 20mm size Ess make Towel rail complete with C.P. brackets fixed to wooden plugs with C. P. screws including carriage of materials within all leads and lifts.   | 1.00 No    | Each               |
| 50 | Providing and fixing Steel towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.   | 1.00 No    | Each               |
| 51 | Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore. including carriage of materials within all leads and lifts.   | 1.00 No    | Each               |
| 52 | Providing and fixing 15 mm dia CP Brass stop Cock of approved quality and make including complete in all respect.  | 6.00 No    | Each               |
| 53 | Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.   | 7.00 No    | Each               |
| 54 | Providing and fixing C.P. wall flange/ Cap 15mm nominal bore with fittings including carriage of materials within all leads and lifts.   | 7.00 No    | Each               |
| 55 | Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110 mm X 90mm. Providing and fixing PVC floor trap 110 X 90 mm dia size complete. | 2.00 No    | Each               |
| 56 | Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.  | 18.30 Rmtr | Per running metre. |



|    |  |          |                 |
|----|--|----------|-----------------|
| 56 | Providing and fixing Accessories for PVC finolex pipe Type B ISI marked including fixing with approved adhesive etc. (i) Plain Bend complete including carriage of materials within all leads and lifts:-110mm dia   | 4.00 No  | Each            |
|    | (ii) Providing and fixing Finolex Type B PVC plain tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia  | 3.00 No  | Each            |
|    | (iii) Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.  | 15.00 No | Each            |
| 57 | Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved. | 1.99 cum | Per cubic metre |
|    |  |          | Total           |

#### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

  
**Executive Engineer**  
 Shimla Division NO.III.  
 HP.PWD Shimla-171003



SCHEDULE OF QUANTITY

2

Estimated Cost Rs. :- 238121.00

Earnest Money Rs. :- 4770.00

Time:- One Month.

Name of work: - A/R & M/O to Residential building type – II at Corrostophen Estate , IGMC Shimla. ( SH:- Repair and routine maintenance work in type- II set No 1 to 40 )

| Sl. No. | Items of work  | Quantity |      | Rate       |          | Unit.            | Amount. |
|---------|--|----------|------|------------|----------|------------------|---------|
|         |  |          |      | In figures | In words |                  |         |
| 1       | 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 sand : 4 graded stone aggregates) including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 0.39     | Cum. |            |          | Per cubic metre  |         |
| 2       | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth. In cement mortar 1:4 including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.  | 5.40     | Sqm. |            |          | Per Square metre |         |
| 3       | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>(i) Second Class Deodar wood . 35 mm thick shutters  | 5.79     | Sqm. |            |          | Per Square metre |         |
| 4       | Providing and fixing glazed shutters for doors, window and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>(i) Second Class Deodar wood wood 35 mm thick   | 4.27     | Sqm. |            |          | Per Square metre |         |
| 5       | Providing and fixing Pre-laminated flat pressed 3 layer (medium density) particle board or graded wood particle board IS : 3087 marked, with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 marked, in shelves with screws and fittings wherever required, edges to be painted with polyurethane primer (fittings to be paid separately). including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>18mm thick | 10.68    | Sqm. |            |          | Per Square metre |         |
| 6       | Providing and fixing aluminium sliding door 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 nuts and screws etc. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>(i) 300 x 16mm  | 5.00     | No.  |            |          | Each             |         |



|     |  |  |  |  |            |  |                  |  |
|-----|--|--|--|--|------------|--|------------------|--|
| 6.1 | (ii) 250x16mm  |  |  |  | 6.00 No.   |  | Each             |  |
| 7   | 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 including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>(i) 200 x 10 mm   |  |  |  | 12.00 No.  |  | Each             |  |
| 7.1 | (ii) 150 x 10 mm   |  |  |  | 16.00 No.  |  | Each             |  |
| 8   | 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 including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>(i) 125 mm   |  |  |  | 20.00 No.  |  | Each             |  |
| 8.1 | (ii) 100 mm  |  |  |  | 24.00 No.  |  | Each             |  |
| 9   | Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screwsets. Complete. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>Twin rubber stopper  |  |  |  | 8.00 No.   |  | Each             |  |
| 10  | Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. |  |  |  | 12.24 Sqm. |  | Per Square metre |  |
| 11  | Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.                       |  |  |  | 5.40 Sqm.  |  | Per Square metre |  |
| 12  | Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.  |  |  |  | 12.97 Sqm. |  | Per Square metre |  |
| 13  | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.<br>Two or more coat on new work.   |  |  |  | 12.97 Sqm. |  | Per Square metre |  |



|    |   |            |  |                   |  |
|----|---|------------|--|-------------------|--|
| 14 | 15 mm cement plaster 1:4 (1 cement: 4 coarse sand) finished with a floating coat of neat cement on the rough side of half brick. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 10.80 Sqm. |  | Per Square metre  |  |
| 15 | Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. (i) Window chowkhats. | 10.00 No.  |  | Each              |  |
| 16 | Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. For door/windows.  | 9.48 Sqm.  |  | Per Square metre  |  |
| 17 | Renewing glass panes, with wooden fillets wherever necessary: including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. 4mm thick.   | 5.70 Sqm.  |  | Per Square metre  |  |
| 18 | Supplying and fixing new wooden fillets 9X6mm wherever Necessary: including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. Soft wood wood fillets.  | 47.04 Rmt. |  | Per Running metre |  |
| 19 | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres 1: 3: 6. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 0.39 Cum.  |  | Per cubic metre   |  |
| 20 | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 12.24 Sqm. |  | Per Square metre  |  |
| 21 | Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.  | 3.00 No.   |  | Each              |  |
| 22 | Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired doors/shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 14.00 No.  |  | Each              |  |
| 23 | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lead.   | 3.00 No.   |  | Each              |  |

|      |   |       |      |  |  |                   |  |
|------|---|-------|------|--|--|-------------------|--|
| 24   | 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 tap including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. | 3.00  | No.  |  |  | Each              |  |
| 25   | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>510x1040 mm bowl depth 250  | 2.00  | No.  |  |  | Each              |  |
| 26   | Providing and fixing white glazed draining board with C.I. bracket size 600 x 450 x 25mm including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 1.00  | No.  |  |  | Each              |  |
| 27   | Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved   | 4.00  | No.  |  |  | Each              |  |
| 28   | Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. 10ltr capacity – white   | 3.00  | No.  |  |  | Each              |  |
| 29   | Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 4.00  | No.  |  |  | Each              |  |
| 30   | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. (i) 40mm  | 16.00 | No.  |  |  | Each              |  |
| 30.1 | (ii) 32mm   | 12.00 | No.  |  |  | Each              |  |
| 31   | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. (i) 15mm Dia Nominal bore   | 27.60 | Rmt. |  |  | Per Running metre |  |
| 32   | Providing and fixing brass bib cock of approved quality. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. 15 mm nominal bore  | 8.00  | No.  |  |  | Each              |  |
| 33   | Providing and fixing brass stop cock of approved quality. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. 15 mm nominal bore   | 6.00  | No.  |  |  | Each              |  |
| 34   | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. (i) 20 mm nominal bore.  | 4.00  | No.  |  |  | Each              |  |



|    |   |           |  |  |      |  |
|----|---|-----------|--|--|------|--|
| 35 | Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>15 mm nominal bore   | 6.00 No.  |  |  | Each |  |
| 36 | Providing and fixing uplasticised PVC connection pipe with brass unions including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>.45 cm length x15 mm  | 20.00 No. |  |  | Each |  |
| 37 | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>15 mm nominal bore  | 8.00 No.  |  |  | Each |  |
| 38 | Providing and fixing C.P. brass bib cock of approved quality including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.<br>15 mm nominal size   | 6.00 No.  |  |  | Each |  |
| 39 | Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 6.00 No.  |  |  | Each |  |
| 40 | Providing and fixing PTMT bib cock of approved quality and colour 15 mm nominal bore, 90 mm long, weighing not less than 93 gms. including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 24.00 No. |  |  | Each |  |
| 41 | Providing and fixing PTMT stop cock of approved quality and colour. Concealed stop cock, 15 mm nominal bore, 108 mm long, weighing not less than 108 gms including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 10.00 No. |  |  | Each |  |
| 42 | Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 12.00 No. |  |  | Each |  |
| 43 | Providing and fixing PTMT grating of approved quality and colour 100 mm nominal dia including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.  | 15.00 No. |  |  | Each |  |
| 44 | Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P. H.D. plastic ball. 15 mm nominal bore, 105 mm long, weighing not less than 138 gms including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. | 12.00 No. |  |  | Each |  |
| 45 | Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 20.00 No. |  |  | Each |  |

|              |   |      |      |  |  |  |                 |  |
|--------------|---|------|------|--|--|--|-----------------|--|
| 46           | Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting ,unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved | 4.73 | Cum. |  |  |  | Per cubic metre |  |
| Conditions:- |   |      |      |  |  |  | Total           |  |

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V, HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-8**



# SCHEDULE OF QUANTITY

Estimated Cost Rs - 148084.00  
Earnest Money Rs - 2970.00

Time - One Month

**Name of work:- A/R & M/O to Various Residential Building under Shimla Division No. III (SH):- Providing and Fixing PVC Flooring, PGI Sheet Ceiling, Wire Gauge Shutters, Cup Board in Kitchen, Painting and Distemping etc. In Set No-10 Transit Accommodation at Jakhoo)**

| Sl. No. | Items of work   | Quantity   | Rate       |          | Unit              | Amount |
|---------|---|------------|------------|----------|-------------------|--------|
|         |   |            | In figures | In words |                   |        |
| 1       | Providing wood work in frames of false ceiling, partitions etc. saven and fixed in position. (3) Plain woodwork all wood/Chil Wood  | 0.280 Cum  |            |          | Per Cubic Metre   |        |
| 2       | Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of square 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws with ISI marked M.S. pressed butt hinges bright finished of required size (1) Second class Deodar wood (a) 35 mm thick shutters | 2.75 Sqm   |            |          | Per Square Metre  |        |
| 3       | Providing and fixing 19mm thick Commercial Board shutters for Cup boards etc. fixing with nickel plated piano hinges with screws etc. complete including carriage of materials in all leads and lifts   | 1.56 Sqm   |            |          | Per Square Metre  |        |
| 4       | Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc. complete   | 7.92 Sqm   |            |          | Per Square Metre  |        |
| 5       | Providing and fixing 100 mm thick coloured or plain laminated sheet (synthetic) on boards /ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts  | 2.10 Sqm   |            |          | Per Square Metre  |        |
| 6       | Providing and fixing Plain Square edged cover fillets Beading Moulding 40x12mm thick in section including fixing with necessary nails and screws etc. Complete (1) Second Class Deodar wood   | 211.80 Rmt |            |          | Per Running Metre |        |
| 7       | Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc. complete of hard wood including carriage of material in all leads and lifts   | 21.45 Rmt  |            |          | Per Running Metre |        |
| 8       | 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 (i) 150x10mm  | 10.00 No   |            |          | Each              |        |
| 9       | 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 (i) 125mm   | 5.00 No    |            |          | Each              |        |
| 10      | Providing and fixing magnetic catcher with screws etc. complete including carriage of materials within all leads and lifts  | 6.00 No    |            |          | Each              |        |
| 11      | Providing and fixing bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts (i) 125 mm  | 6.00 No    |            |          | Each              |        |
| 12      | Providing and fixing 0.63 mm thick PGI Sheet in lining/ceiling with necessary screws/nuts & bolts/ nails and fixed on wooden /steel frame work complete as per direction of Engineer-in-charge (Frame work shall be paid for separately) including carriage of materials within all leads and lifts   | 29.13 Sqm  |            |          | Per Square Metre  |        |

|                     |   |        |      |  |  |                   |  |
|---------------------|---|--------|------|--|--|-------------------|--|
| 13                  | Providing and Fixing 1.5mm Thick PVC. Antistatic Venyle Flooring (LG Make) plain Coloured, corbed ar Moasic/ Metalled finish laid with approved Adhesive on sub- Floor ( Damp proof treatment to be paid for seprately) including carriage of materials within all leads and lifts (i) 1.5mm Thick  | 24.45  | Sqm. |  |  | Per Square Metre  |  |
| 14                  | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.(i)Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. | 2.60   | Sqm  |  |  | Per Square Metre  |  |
| 15                  | Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.(i) Granite Stone   | 3.60   | Rmt. |  |  | Per Running Metre |  |
| 16                  | Removing dry or oil bound distemper, water proofong cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.   | 51.97  | Sqm  |  |  | Per Square Metre  |  |
| 17                  | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.  | 61.31  | Sqm  |  |  | Per Square Metre  |  |
| 18                  | Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)  | 103.93 | Sqm  |  |  | Per Square meter. |  |
| 19                  | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre   | 46.88  | Sqm. |  |  | Per Square Metre  |  |
| 20                  | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture  | 46.88  | Sqm. |  |  | Per Square Metre  |  |
| 21                  | Painting with synthetic enamel paint on previously painted wood surface of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.  | 64.31  | Sqm  |  |  | Per Square Metre  |  |
| <b>Conditions:-</b> |   |        |      |  |  | <b>Total</b>      |  |

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3




# SCHEDULE OF QUANTITY

Estimated Cost Rs. 251270.00  
Earnest Money Rs. 5030.00  
Time:- one month.

Name of Work:- A/R and M/O Various residential buildings under division no III Shimla. (SH:- construction of manhole, laying of sewer pipeline in OLD MLA Qtrs backside of block A near boileuganj crossing Shimla)

| Sl. No. | Items of work   | Quantity    | Rate       |          | Unit               | Amount. |
|---------|---|-------------|------------|----------|--------------------|---------|
|         |   |             | In figures | In words |                    |         |
| 1       | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil. | 18.90 Cum.  |            |          | Per cubic metre.   |         |
| 2       | Demolishing cement concrete manually/ by mechanical means including disposal of material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Nominal concrete 1:4:8 or leaner mix (l/c equivalent design mix).   | 3.36 Cum    |            |          | Per cubic metre    |         |
| 3       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (i) 1:3:6 (1 Cement : 3 coarse sand): 6 graded stone aggregate 40mm nominal size) including carriage of materials within all leads and lifts.   | 6.96 Cum.   |            |          | Per cubic metre.   |         |
| 4       | Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.   | 131.36 Rmtr |            |          | Per running metre. |         |
| 5       | Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110 mm dia.  | 80.00 No.   |            |          | Each               |         |
| 6       | Providing and fixing PVC Finolex Type B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia   | 22.00 No.   |            |          | Each               |         |
| 7       | Providing and fixing PVC Finolex Type B off set (45 degree) ISI marked including fixing with approved adhesive etc.complete including carriage of materials within all leads and lifts.110mm dia  | 37.00 No.   |            |          | Each.              |         |
| 8       | Providing and fixing PVC Finolex Type B single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.   | 10.00 No.   |            |          | Each.              |         |
| 9       | Providing and fixing PVC Finolex Type B door bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia  | 14.00 No.   |            |          | Each.              |         |
| 10      | Providing and fixing PVC door bend with oval acces door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.   | 8.00 No     |            |          | Each               |         |
| 11      | Providing and fixing 110mm dia PVC Finolex 'P' or 'S' trap for water closet (squatting pan) ISI marked including jointing the trap with the pan and PVC pipe with approved adhesive etc.complete including carriage of materials within all leads and lifts.  | 3.00 No     |            |          | Each               |         |
| 12      | Providing and fixing PVC (Finolex) reducer ISI marked including jointing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm X 110mm dia.  | 1.00 No     |            |          | Each               |         |

|   |       |     |  |  |                 |  |
|---|-------|-----|--|--|-----------------|--|
| Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 80cmx80 cm and 1000cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 | 2.00  | No  |  |  | Each            |  |
| 14 Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all lifts including all lifts involved complete including carriage of materials within all leads and lifts.  | 17.81 | Cum |  |  | Per cubic metre |  |
| 15 Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete  | 22.00 | No. |  |  | Each            |  |
|   |       |     |  |  | Total           |  |
| Rates should be quoted for all heights including all leads and lifts for internal and external works.   |       |     |  |  |                 |  |
| Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.  |       |     |  |  |                 |  |

  
 Executive Engineer,  
 Shimla Division No. III,  
 HP. PWD. Shimla-3.



SCHEDULE OF QUANTITY

5

Estimated Cost Rs. :- 356044.00

Earnest Money Rs. :- 7130.00

Time:- One Month.

Name of work: -Special repair to Residential building under Shimla Division No.III(SH:- Renovation of Kitchen, Bath & toilet of type 1 Quarters Set No. 6 Second Floor and Set No.7 & 8 Third Floor New Block at Barnes Court Shimla-2)

| Sl. No. | Items of work   | Quantity |      | Rate       |          | Unit.             | Amount. |
|---------|---|----------|------|------------|----------|-------------------|---------|
|         |   |          |      | In figures | In words |                   |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)  | 1.76     | Cum. |            |          | Per Cubic Metre   |         |
| 2       | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead:- For thickness of tiles 10mm to 25mm complete including carriage of materials within all leads and lifts.   | 32.22    | Sqm  |            |          | Per square meter  |         |
| 3       | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.   | 60.68    | Sqm  |            |          | Per square meter  |         |
| 4       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (i) 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)  | 1.76     | Cum  |            |          | Per Cubic Metre   |         |
| 5       | Providing and fixing 19mm (Nineteen milimetre) thick commercial board Shutters for cup board etc., with screws and fittings wherever required, (fittings to be paid separately) including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS.3818 marked with necessary screw etc all complete.   | 4.56     | Sqm  |            |          | Per square meter  |         |
| 6       | Providing and fixing 19mm (Nineteen milimetre) thick commercial board for cup board etc., in shelves with screws and fittings wherever required, (fittings to be paid separately).  | 22.30    | Sqm  |            |          | Per square meter  |         |
| 7       | Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.   | 5.16     | Sqm  |            |          | Per square meter  |         |
| 8       | Providing and fixing hard wood plain square edged cover filets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.   | 44.52    | Rmt  |            |          | Per Running Metre |         |
| 9       | Providing and fixing bright finished brass handles with screws etc. complete:including mitring at junctions including carriage of materials in all leads and lifts. (i) 10mm  | 20.00    | No   |            |          | Each              |         |
| 10      | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. (i) Triple strip vertical type  | 20.00    | No   |            |          | Each              |         |
| 11      | Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete. | 9.09     | Sqm  |            |          | Per square meter  |         |

|    |  |        |     |  |  |                  |  |
|----|--|--------|-----|--|--|------------------|--|
| 12 | Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete (i) Size of Tile 600x600 mmx8mm      | 16.66  | Sqm |  |  | Per square meter |  |
| 13 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. (i) Size of Tile 600x600 mmx8mm | 60.68  | Sqm |  |  | Per square meter |  |
| 14 | 15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts (i) 1:6 (1 cement: 6 fine sand)  | 60.68  | Sqm |  |  | Per square meter |  |
| 15 | Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.   | 143.60 | Sqm |  |  | Per square meter |  |
| 16 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.  | 169.86 | Sqm |  |  | Per square meter |  |
| 17 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. (i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre   | 26.26  | Sqm |  |  | Per square meter |  |
| 18 | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture   | 26.26  | Sqm |  |  | Per square meter |  |
| 19 | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :(i) One or more coats on old work on Steel Surface  | 182.88 | Sqm |  |  | Per square meter |  |
| 20 | Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)   | 287.19 | Sqm |  |  | Per square meter |  |
| 21 | Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:(i) White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests    | 3.00   | No  |  |  | Each             |  |
| 22 | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia  | 3.00   | No  |  |  | Each             |  |
| 23 | Providing and fixing C.P. grating of approved quality and colour (i) Circular type 100 mm nominal dia  | 9.00   | No  |  |  | Each             |  |
| 24 | Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete  | 3.00   | No  |  |  | Each             |  |
| 25 | Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc. , complete.   | 3.00   | No  |  |  | Each             |  |



|       |  |       |     |  |  |                   |  |
|-------|--|-------|-----|--|--|-------------------|--|
| 26    | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting Chase and making good the walls etc. Internal work - (i) 15mm Nominal bore   | 38.25 | Rmt |  |  | Per Running Metre |  |
| 27    | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work - (i) 15mm Nominal bore   | 37.80 | Rmt |  |  | Per Running Metre |  |
| 28    | Providing and fixing uplasticsised PVC connection pipe with brass unions :30 cm length (i) 15 mm Nominal Bore  | 3.00  | No  |  |  | Each              |  |
| 29    | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore   | 9.00  | No  |  |  | Each              |  |
| 30    | Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.(i) (i) 15 mm Nominal Bore  | 9.00  | No  |  |  | Each              |  |
| 31    | Providing and fixing brass stop cock of approved quality : (i) 15 mm Nominal Bore  | 6.00  | No  |  |  | Each              |  |
| 32    | Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.   | 15.00 | No  |  |  | Each              |  |
| 33    | Providing and fixing C.P. Flange(size 65mm) of approved make and quality as per direction of Engineer-in-charge.   | 15.00 | No  |  |  | Each              |  |
| 34    | Providing and fixing on wall face PVC Finolex Type-B Spigot, Socket, Waste and Ventilating pipes of working pressure not less than 4.5 Kg/Sqm including Collar and filling the Joints with approved Adhesive complete including Carriage of Material with in all leads (i) 110mm | 13.65 | Rmt |  |  | Per Running Metre |  |
| 34.10 | (ii) 75mm  | 33.00 | Rmt |  |  | Per Running Metre |  |
| 35    | Providing and fixing PVC door bend with oval acces door, insertion rubber washer 3 mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.                      | 3.00  | No  |  |  | Each              |  |
| 35.1  | (ii) 75mm  | 6.00  | No  |  |  | Each              |  |
| 36    | Providing and fixing PVC finolex Type B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-75mm dia   | 9.00  | No  |  |  | Each              |  |
| 37    | Providing and fixing PVC finolex type B single equal branch door tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.   | 3.00  | No  |  |  | Each              |  |
| 37.1  | (ii) 75mm  | 12.00 | No  |  |  | Each              |  |
| 38    | Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.  | 30.00 | No  |  |  | Each              |  |
| 38.1  | (ii) 75mm  | 75.00 | No  |  |  | Each              |  |
| 39    | Providing and fixing PVC floor trap 100 X 75 mm dia size complete.including carriage of materials within all leads and lifts   | 9.00  | No  |  |  | Each              |  |

|                     |  |      |     |  |  |                 |  |
|---------------------|--|------|-----|--|--|-----------------|--|
| 40                  | Disposal of moorum/ buil:ding rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. For lalleafts, complete as per dierection of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carring motor vehicle of 3.5 cum. or More. | 3.48 | Cum |  |  | Per Cubic Metre |  |
| <b>Conditions:-</b> |  |      |     |  |  | <b>Total</b>    |  |

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V, HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP PWD. Shimla** 



# SCHEDULE OF QUANTITY

Estimated Cost Rs. 251108.00  
 Earnest Money Rs. 5020.00  
 Time:- one month.

Name of Work:- A/R and M/O Various residential buildings under division no III Shimla. (SH:- construction of manhole, laying of sewerpipeline in OLD MLA Qtrs backside of block B near bolleugan] crossing Shimla)

| Sl. No. | Items of work   | Quantity    | Rate       |          | Unit               | Amount. |
|---------|---|-------------|------------|----------|--------------------|---------|
|         |   |             | In figures | In words |                    |         |
| 1       | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil. | 21.42 Cum.  |            |          | Per cubic metre.   | 0.00    |
| 2       | Demolishing cement concrete manually/ by mechanical means including disposal of material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix).   | 3.92 Cum    |            |          | Per cubic metre    | 0.00    |
| 3       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (i) 1:3:6 (1 Cement : 3 coarse sand): 6 graded stone aggregate 40mm nominal size) including carriage of materials within all leads and lifts.   | 7.52 Cum.   |            |          | Per cubic metre.   | 0.00    |
| 4       | Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.   | 118.16 Rmtr |            |          | Per running metre. | 0.00    |
| 5       | Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110 mm dia.  | 60.00 No.   |            |          | Each               | 0.00    |
| 6       | Providing and fixing PVC Finolex Type B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia   | 32.00 No.   |            |          | Each               | 0.00    |
| 7       | Providing and fixing PVC Finolex Type B off set (45 degree) ISI marked including fixing with approved adhesive etc.complete including carriage of materials within all leads and lifts:-110mm dia   | 37.00 No.   |            |          | Each.              | 0.00    |
| 8       | Providing and fixing PVC Finolex Type B single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.   | 12.00 No.   |            |          | Each.              | 0.00    |
| 9       | Providing and fixing PVC Finolex Type B door bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia  | 10.00 No.   |            |          | Each.              | 0.00    |
| 10      | Providing and fixing PVC Finolex Type B single equal branch with oval Access, insertion washer 3mm ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.  | 18.00 No.   |            |          | Each.              | 0.00    |
| 11      | Providing and fixing 110mm dia PVC Finolex 'P' or 'S' trap for water closet (squatting pan) ISI marked including jointing the trap with the pan and PVC pipe with approved adhesive etc.complete including carriage of materials within all leads and lifts.  | 1.00 No     |            |          | Each               | 0.00    |
| 12      | Providing and fixing PVC (Finolex) reducer ISI marked including jointing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm X 110mm dia.  | 5.00 No     |            |          | Each               | 0.00    |

|  |   |           |  |  |                 |      |
|--|---|-----------|--|--|-----------------|------|
| 110x75mm   | Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 80cmx80 cm and 1000cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 | 1.00 No   |  |  | Each            | 0.00 |
|  |   | 2.00 No   |  |  | Each            | 0.00 |
| 14   | Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved complete including carriage of materials within all leads and lifts.   | 20.27 Cum |  |  | Per cubic metre | 0.00 |
| 15   | Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete. for pipe 100 to 250mm diameter.  | 22.00 No. |  |  | Each            | 0.00 |
| Rates should be quoted for all heights including all leads and lifts for internal and external works.  |   |           |  |  | Total           | 0.00 |
| Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards. |   |           |  |  |                 |      |

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.

*JW*



**SCHEDULE OF QUANTITY**

(7)


Estimated cost:-  
Earnest Money:-  
Time :-

386997.00  
7750.00  
One Month

Name of work:-Special repair to Various Non residential buildings under Shimla Division No. III (SH:-Construction of pedestal behind PWD store near Royal Hotel) at Nabha Estate Shimla.

| Sl. No.            | Items of work   | Quantity     | Rate       |          | Unit.           | Amount. |
|--------------------|---|--------------|------------|----------|-----------------|---------|
|                    |   |              | In figures | In words |                 |         |
| 1                  | Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in hepth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge All kinds of soil including carriage of materials within all leads and lifts. | 2.43 Cum     |            |          | Per Cubic meter |         |
| 2                  | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) including carriage of materials within all leads and lifts.   | 0.41 Cum     |            |          | Per Cubic meter |         |
| 3                  | 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) including carriage of materials within all leads and lifts.   | 2.03 Cum     |            |          | Per Cubic meter |         |
| 4                  | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts.                         | 276.50 Kgs.  |            |          | Per Killogramme |         |
| 5                  | Providing and fixing 7.00mm thick Chequered plates including cutting, welding complete in flooring over steel frame work (frame work to be measured and paid for separately) including carriage of materials within all leads and lifts as per direction of the Engineer- in- charge.   | 2728.99 Kgs. |            |          | Per Killogramme |         |
| <b>CONDITION:-</b> |   |              |            |          | <b>Total:-</b>  |         |

1) Rates should be quoted for all heights including all leads and lifts for internal and external works.

  
Executive Engineer  
Shimla Division NO.III,  
HP.PWD.Shimla-171003

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 180141.00  
Earnest Money Rs. :- 3610.00

Time:- One Month.

Name of work: - A/R and M/O various residential building under Shimla Division No. III. (SH:-Out side painting and distempering in block 1 to 6 and 8 to 10 at Ellersie colony at Chotta Shimla.)

| Sl. No.             | Items of work   | Quantity    | Rate       |          | Unit.            | Amount. |
|---------------------|---|-------------|------------|----------|------------------|---------|
|                     |   |             | In figures | In words |                  |         |
| 1                   | Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts. | 174.27 Sqm  |            |          | Per square metre |         |
| 2                   | Providing and applying white cement based putty of average thickness 1.00mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.  | 174.27 Sqm  |            |          | Per square metre |         |
| 3                   | Painting wood work with Deluxe Multi Surface Paint to give an even shade. one or more coat of approved brand, shade and manufacture including carriage of material within all leads and lifts as per direction of Engineer-in-charge.                         | 1174.52 Sqm |            |          | Per Square metre |         |
| 4                   | Finishing one or more coat on existing painted surface walls with Acrylic Smooth exterior emulsion, of approved brand and manufacture of required shade complete including carriage of materials within all leads and lifts.                                  | 1442.77 Sqm |            |          | Per square metre |         |
| <b>Conditions:-</b> |   |             |            |          |                  |         |
| <b>Total</b>        |   |             |            |          |                  |         |

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.  
ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

**Executive Engineer**  
Shimla Division No. III  
H.R. PWD. Shimla-3.



SCHEDULE OF QUANTITY

(9)

Estimated Cost Rs. 225737.00

Earnest Money Rs. 4510.00

Time:- one month.

Name of Work:- A/R and M/O Various residential buildings under division no III Shimla. ( SH:- Renovation of kitchen, repair of toilets, and miscellenous repair work in C-5 At OLD MLA Qtrs at Boileauganj Shimla)


| Sl. No. | Items of work  | Quantity   | Rate       |          | Unit.             | Amount. |
|---------|--|------------|------------|----------|-------------------|---------|
|         |  |            | In figures | In words |                   |         |
| 1       | Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : including carriage of materials within all leads and lifts.  | 3.00 No    |            |          | Each              |         |
| 2       | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead complete including carriage of materials within all leads and lifts. For all thickness.  | 46.51 Sqm. |            |          | Per square metre. |         |
| 3       | 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) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.  | 6.71 Sqm   |            |          | Per square metre  |         |
| 4       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (1/c equivalent design mix)   | 0.57 Cum.  |            |          | Per Cubic metre   |         |
| 5       | 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 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.  | 0.57 Cum.  |            |          | Per cubic metre.  |         |
| 6       | 15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.   | 10.14 Sqm. |            |          | Per square metre  |         |
| 7       | Dubbing out an old irregular walls average 15mm thick with cement mortar 1:6 (1 Cement : 6 sand) including carriage of materials in all leads and lifts.   | 35.04 Sqm. |            |          | Per square metre. |         |
| 8       | Centering and shuttering including strutting, propping etc. and removal of form for :- Suspended floors, roofs, landings, balconies and access platform and Shelves (Cast in situ) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.   | 2.43 Sqm.  |            |          | Per square metre. |         |
| 9       | Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size), upto floor all level complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge. | 0.18 Cum   |            |          | Per cubic metre   |         |
| 10      | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level:- Hot rolled deformed bars complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.   | 18.00 Kg.  |            |          | Per Kilogramme.   |         |
| 11      | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete of size Size of Tile 500x500 mm including carriage of materials within all leads and lifts.                       | 11.47 Sqm  |            |          | Per square metre  |         |

|    |   |             |                    |
|----|---|-------------|--------------------|
| 12 | Providing and laying vitrified tiles of 300mm X 450mm sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.  | 50.64 Sqm.  | Per Square metre   |
| 13 | Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts.  | 33.48 Sqm.  | Per square metre   |
| 14 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.  | 33.48 Sqm   | Per square metre   |
| 15 | Distemping with 1st quality acrylic distemper (ready made) having VOC content less than 50gm per ltr. of approved manufacturer and of required shade and colour complete. as per manufacturer's specification two or more coats on new work complete including carriage of materials in all leads and lifts.  | 111.61 Sqm. | Per square metre.  |
| 16 | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge complete including carriage of materials within all leads and lifts. Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent | 3.03 Sqm.   | Per square metre.  |
| 17 | Providing round/half round moulding/nosing over edge of marble/granite work or kota stone etc. duly polished in mirror finish as per the direction of Engineer-in-Charge. complete including carriage of materials within all leads and lifts.  | 3.09 Rmtr   | Per running metre  |
| 18 | Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position 2nd class deodar wood including carriage of materials within all leads and lifts.   | 0.09 Cum.   | Per cubic metre.   |
| 19 | Painting wood work with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials within all leads and lifts.   | 31.87 Sqm   | Per square metre   |
| 20 | Painting Steel work with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials within all leads and lifts.  | 15.72 Sqm   | Per square metre   |
| 21 | Providing and fixing Ess-Ess make curtain rod 25mm dia complete including carriage of material in all leads and lifts and as per the direction of the Engineer-in-Charge.   | 9.95 Rmtr   | Per running metre  |
| 22 | Providing and fixing 125 mm size bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete including carriage of materials within all leads and lifts.  | 35.00 No.   | Each               |
| 23 | Providing and fixing aluminium 150x10 mm size 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 including carriage of materials within all leads and lifts.   | 50.00 No.   | Each               |
| 24 | Providing and fixing 250mm x16mm aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete including carriage of materials within all leads and lifts.  | 5.00 No.    | Each               |
| 25 | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, l/c cutting and making good the walls etc. Internal work. 15 mm dia nominal bore complete including carriage of materials in all leads and lifts.   | 18.00 Rmt.  | Per Running Metre. |



|    |   |          |                    |
|----|---|----------|--------------------|
| 26 | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required-Kitchen sink with drain board 510x1040 mm bowl depth 200 mm complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.                     | 1.00 No. | Each               |
| 27 | Providing and fixing 15mm mixer for kitchen sink with top / bottom swinging spout including carriage of materials within all leads and lifts:- ESS-ESS Cat No. T-127.   | 1.00 No  | Each               |
| 28 | Providing and fixing C.P. Soap dish complete fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts:- ESS ESS AC-703.  | 2.00 No. | Each               |
| 29 | Providing and fixing 15mm ( fifteen millimetre) nominal bore C.P. angle cock of ESS ESS catalogue No. C-204 or its equivalent of approved quality and colour with flange including carriage of materials within all leads and lifts.  | 8.00 No  | Each               |
| 30 | Providing and fixing central hole wash basin mixture including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-ESS ESS catalogue No. C-211A   | 1.00 No  | Each               |
| 31 | Providing and fixing 45cm length uplasticsed PVC connection pipe with brass unions 15 mm nominal bore complete including carriage of materials within all leads and lifts.  | 6.00 No  | Each               |
| 32 | Providing and fixing 8mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.   | 1.00 No. | Each               |
| 33 | Providing and fixing Wall mixer non telephonic arrangement including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-Cat No. T-121  | 1.00 No  | Each               |
| 34 | Providing and fixing 600mm X 20mm size C. P. Towel rail complete with C.P. brackets fixed to wooden plugs with C. P. screws including carriage of materials within all leads and lifts:-ESS ESS catalogue No. AC-101.   | 1.00 No. | Each               |
| 35 | Providing and fixing towel ring of ESS ESS catalogue No. AC-102 or equivalent complete including carriage of materials within all leads and lifts.  | 1.00 No. | Each               |
| 36 | Providing and fixing Glass / Acrylic shelf (46 cm X 13 cm x5 Cm) with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts. AC-307   | 1.00 No. | Each               |
| 37 | Providing and fixing vitreous China wash down water closet (Angle Indian W.C. pan) universal star white Hindware catalogue No. 20012 complete set including 10 ltr capacity flushing cistern. with integral P or S trap including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 sand) (seat and cover to be measured and paid for separately) including carriage of materials within all leads and lifts. | 1.00 No. | Each               |
| 38 | Providing and fixing center hole wash basin with Pedestal including C.I. brackets, 15mm 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 630mm x 450mm of Cat No 10001.Ped Cat No 11027.  | 1.00 No. | Each               |
| 39 | Providing and fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.  | 4.00 No. | Each               |
| 40 | Providing and fixing PVC Finolex floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:- (i)110mm X 90mm size.  | 3.00 No. | Each               |
| 41 | Providing and fixing high pressure PVC (Finolex) type-A spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 75mm dia.  | 4.15 Rmt | Per Running metre. |
| 42 | Providing and fixing PVC Finolex plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 75mm nominal size.  | 2.00 No  | Each               |

|    |  |           |  |                  |
|----|--|-----------|--|------------------|
| 13 | Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete including carriage of materials within all leads and lifts.  | 3.00 No.  |  | Each             |
| 44 | Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 complete with including carriage of materials within all leads and lifts. | 1.00 No   |  | Each             |
| 45 | Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 4.0 mm thick glass panes complete including carriage of materials within all leads and lifts.   | 2.63 Sqm. |  | Per square metre |
| 46 | Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.   | 2.90 Cum. |  | Per cubic metre  |
|    |  |           |  | Total            |
|    | Rates should be quoted for all heights including all leads and lifts for internal and external works.  |           |  |                  |
|    | Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.   |           |  |                  |

  
 Executive Engineer,  
 Shimla Division No. III,  
 HP. PWD. Shimla-3.



19

SCHEDULE OF QUANTITY

Estimated cost:- 358584.00  
Earnest Money:- 7200.00  
Time :- One Month

Name of work:-Special repair to Various Non residential buildings under Shimla Division No. III (SH:-Providing & fixing pre-painted sheet on structural steel PWD store adjacent to block P-II & in front of block No. 35 etc) at Nabha Estate Shimla.

| Sl. No.     | Items of work  | Quantity   | Rate       |          | Unit             | Amount. |
|-------------|--|------------|------------|----------|------------------|---------|
|             |  |            | In figures | In words |                  |         |
| 1           | Stone soling properly hand-packed filling interstices with Kharanja stone including spreading watering and of binding materials moonum or earth etc. complete as per HP.PWD specification.   | 15.00 Cum  |            |          | Per Cubic metre  |         |
| 2           | Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.60 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5 x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purllins, rafters and trusses and including cutting to size and shape wherever required as per the direction of Engineer-in-charge including carriage of materials upto all leads and lifts. | 259.68 Sqm |            |          | Per square meter |         |
| CONDITION:- |  |            |            |          | Total:-          |         |

i) Rates should be quoted for all heights including all leads and lifts for internal and external works.

Executive Engineer  
Shimla Division NO.III  
HP.PWD.Shimla-171003

## SCHEDULE OF QUANTITY

Estimated cost: 121980.00

Earnest Money: 2430.00

Time :- One Month.

Name of work:-A/R and M/O various residential buildings under division no III Shimla. (SH:-Repair of set no -2 at outhouse of set A-2 ype - VI at Bemloee Shimla)

| Sl. NO. | Sub-Head/Item of work.   | Qty.       | Rate        |          | Unit.             | Amount. |
|---------|--|------------|-------------|----------|-------------------|---------|
|         |  |            | In Figures. | In Words |                   |         |
| 1       | 2  | 3          | 4           | 5        | 6                 |         |
| 1       | Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete carriage of material in all leads and lifts                                      | 17.28 Sqm  |             |          | Per square metre. |         |
| 2       | Providing and fixing 19 mm thick commercial board shutter for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of material in all leads and lifts.   | 11.52 Sqm  |             |          | Per square metre. |         |
| 3       | Providing and fixing 19 mm thick commercial board in shelves, lining, box for cup boards with butt joints fixed with nails and screws etc complete including carriage of material in all leads and lifts   | 17.28 Sqm  |             |          | Per square metre. |         |
| 4       | Providing and fixing 1.0 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.   | 17.28 Sqm  |             |          | Per square metre. |         |
| 5       | Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.                                | 50.00 Rmtr |             |          | Per running metre |         |
| 6       | Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete including carriage of materials within all leads and lifts. 125 mm size.  | 10.00 No   |             |          | Each.             |         |
| 7       | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials in all leads and lifts.   | 10.00 No   |             |          | Each              |         |
| 8       | Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts. | 8.69 Sqm.  |             |          | Per square metre  |         |





|    |  |            |  |  |                   |  |
|----|--|------------|--|--|-------------------|--|
|    | Steel work welded in built up sections, including hollow section trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. In gratings framed guard bars, ladders, railing, brackets and similar works including carriage of materials within all leads and lifts  | 121.98 Kg. |  |  | Per kilogramme..  |  |
| 10 | 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 the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 0.63 mm thick with zinc coating not less than 275 gm/ m <sup>2</sup> . including carriage of materials in all leads and lifts. | 6.84 Sqm.  |  |  | Per square meter  |  |
| 11 | 1.5 mm thick pvc/rubber tiles flooring of approved brand plain, coloured, corbed or mosaic or mottled finish, laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment including carriage of materials within all leads and lifts.   | 19.85 Sqm  |  |  | Per square metre  |  |
| 12 | Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters and papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.   | 16.25 Sqm  |  |  | Per square metre  |  |
| 13 | Distempering (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth. i/c Priming coat with distemper primer. including carriage of materials within all leads and lifts.   | 68.20 Sqm. |  |  | Per square metre. |  |
|    |  |            |  |  | Total             |  |

#### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Recovery for servicable and unservicable material to be obtained from dismantling i.e. CGI/PGI Sheets shall be made .Rs.@165/sqmt

  
**Executive Engineer**  
**Shimla Division NO.III.**  
**HP.PWD.Shimla-171003**  


**SCHEDULE OF QUANTITY**

Estimated cost:- 384735.00  
 Earnest Money:- 7700.00  
 Time :- One Month

Name of work:-Special repair to Various Non residential buildings under Shimla Division No. III (SH:-Construction of structural steel store adjacent to block P-II & in front of block No. 35 etc) at Nabha Estate Shimla.

| Sl. No.            | Items of work   | Quantity    | Rate       |          | Unit.            | Amount. |
|--------------------|---|-------------|------------|----------|------------------|---------|
|                    |   |             | In figures | In words |                  |         |
| 1                  | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including carriage of materials within all leads and lifts. | 3399.64 Kg. |            |          | Per Kilogramme   |         |
| 2                  | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 of approved brand and manufacture including carriage of materials in all leads and lifts.  | 173.79 Sqm. |            |          | Per square meter |         |
| <b>CONDITION:-</b> |   |             |            |          | <b>Total:-</b>   |         |

- i) Rates should be quoted for all heights including all leads and lifts for internal and external works.  
 ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer- in- charge before use.  
 iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

  
**Executive Engineer**  
 Shimla Division No.III.  
 HP.PWD.Shimla-171003



**SCHEDULE OF QUANTITY**

13

Estimated Cost Rs. :- 428742.00

Earnest Money Rs. :- 8580.00


Time:- One Month.

**Name of work: -A/R & M/O to Various Non residential building under Shimla Division No. III (SH:- C/OMS Stand for PVC Water Storage Tank and 2000 Litres capacity Tanks over Stair hall slab of Block-C ( Architect Branch) Engineer- in- Chief Office Building at Nigam Vihar Shimla-2)**

| Sl. No. | Items of work  | Quantity |       | Rate       |          | Unit.             | Amount. |
|---------|--|----------|-------|------------|----------|-------------------|---------|
|         |  |          |       | In figures | In words |                   |         |
| 1       | Cutting of MS. Old damaged Water storage Tank By Gass welding as per direction of Engineer -in-Charge.   | 86.40    | Rmt   |            |          | Per Running Metre |         |
| 2       | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.                    | 2274.83  | Kg    |            |          | Per Kilogramme    |         |
| 3       | Providing and fixing M.S welded mesh 25mmx25mmx3mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-1 including carriage of materials up to all leads and lifts.   | 3.42     | Sqm   |            |          | Per square meter  |         |
| 4       | Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :(i) 250x16 mm   | 1.00     | No    |            |          | Each              |         |
| 5       | Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :(i) 200x10mm   | 1.00     | No    |            |          | Each              |         |
| 6       | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat sqm of approved brand and manufacture  | 45.41    | Sqm.  |            |          | Per square metre. |         |
| 7       | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and including carriage of Material with in all leads and lifts as per direction of Engineer- in -Charge making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. | 14000.00 | litre |            |          | Per Litre         |         |
| 8       | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work:-15mm dia nominal bore complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.   | 36.60    | Rmt   |            |          | Per Running Metre |         |
| 9       | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts. :- 15mm nominal bore  | 14.00    | No.   |            |          | Each              |         |

|                     |   |       |    |  |  |              |  |
|---------------------|---|-------|----|--|--|--------------|--|
| 10                  | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :(i) 15 mm Nominal Size | 14.00 | No |  |  | Each         |  |
| 11                  | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :(i) 20 mm Nominal Size | 6.00  | No |  |  | Each         |  |
| <b>Conditions:-</b> |   |       |    |  |  | <b>Total</b> |  |

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.
- iv Recovery of useful Material i.e MS Plate 759 43 Kg. recovered from site will be charged / deducted from contractor @ Rs. 15.00 Per kilogramme

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-3**



**SCHEDULE OF QUANTITY**

Estimated cost: 362153.00

Earnest Money: 7240.00

Time :- One Month.

Name of work:- S/R to various residential buildings under division no III Shimla. (SH:- Repair of tile work and sanitary repair work and other miscellaneous repair work in Block II set No -20 at U.S Club Shimla)

| Sl. NO. | Sub-Head/Item of work.  | Qty.      | Rate        |          | Unit.             | Amount. |
|---------|---|-----------|-------------|----------|-------------------|---------|
|         |   |           | In Figures. | In Words |                   |         |
| 1       | 2   | 3         | 4           | 5        | 6                 |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within all lead and lifts as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)   | 2.21 Cum  |             |          | Per cubic metre.  |         |
| 2       | Dismantling tiled floors laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials within all leads (wooden/concrete joists to be measured and paid for separately) For all thickness of tiles 25mm and upto 40mm including carriage of materials in all leads and lifts.  | 9.62 Sqm. |             |          | Per square metre. |         |
| 3       | Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.  | 14.83 Cum |             |          | Per cubic metre.  |         |
| 4       | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.   | 0.72 Cum  |             |          | Per cubic metre.  |         |
| 5       | Stone soling properly hand-packed filling interstices with Kharanja stone under floor specified thickness complete as per HP.PWD specification including carriage of material within all leads and lifts as per direction of Engineer-in-charge.  | 3.54 Cum  |             |          | Per cubic metre.  |         |
| 6       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)   | 3.54 Cum  |             |          | Per cubic metre.  |         |
| 7       | Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately) Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble. | 5.30 Sqm. |             |          | Per square metre. |         |

|    |   |       |      |  |  |                    |
|----|---|-------|------|--|--|--------------------|
| 8  | Extra for pre finished nosing to treads of steps of Polished Granite stone complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.  | 5.10  | Rmtr |  |  | Per running metre. |
| 9  | Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.   | 5.10  | Rmtr |  |  | Per running metre. |
| 10 | Providing and laying glazed wall tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joint with white cement & matching pigments etc. complete .  | 79.46 | Sqm. |  |  | Per square metre.  |
| 11 | Providing and laying double charged vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600mm X 600mm.x10mm.of make Nitco or its equivalent.                                       | 36.31 | Sqm. |  |  | Per square metre.  |
| 12 | Providing and fixing 1st quality ceramic floor tiles of size 300x300 conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. Make Nitco or its equivalent. | 9.62  | Sqm. |  |  | Per square metre.  |
| 13 | 15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand) including carriage of materials in all leads and lifts.  | 79.46 | Sqm. |  |  | Per square metre.  |
| 14 | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.   | 2.00  | No   |  |  | Each               |
| 15 | Providing and fixing 550mmx400mm Hindware make flat back vitreous China wash basin including pedestal with single hole for pillar tap with C.I. or M.S.brackets painted white including cutting holes and making good the same but excluding fittings including carriage of materials within all leads.Cat No.10010, pedestal Cat No.11003.   | 3.00  | No.  |  |  | Each               |



|    |  |      |     |  |  |      |
|----|--|------|-----|--|--|------|
|    | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :610x460 mm bowl depth 250mm.   | 1.00 | No. |  |  | Each |
| 17 | Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.   | 3.00 | No. |  |  | Each |
| 18 | Providing and fixing Single lever wall mixer with telephonic shower arrangement only complete in all respect of make complete including carriage of materials within all leads and lifts:-Cat No. TM-136   | 2.00 | No  |  |  | Each |
| 19 | Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts. including carriage of materials within all leads and lifts  | 6.00 | No  |  |  | Each |
| 20 | Providing and fixing Ess-Ess Health faucet including fittings etc. complete including carriage of materials within all leads and lifts. Health Faucet Cat Code - C232N   | 2.00 | No  |  |  | Each |
| 21 | Providing and fixing Ess-Ess18 inches rainfall shower arm square chrome complete including carriage of materials within all leads and lifts SA108N   | 2.00 | No  |  |  | Each |
| 22 | Providing and fixing PVC floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts :-110mm X 75mm.Providing and fixing PVC floor trap 110 X 75 mm dia size complete. | 6.00 | No  |  |  | Each |
| 23 | Providing and fixing 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts.  | 6.00 | No  |  |  | Each |
| 24 | Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.  | 3.00 | No  |  |  | Each |
| 25 | Providing and fixing 1500x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.   | 1.00 | No  |  |  | Each |
| 26 | Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts   | 6.00 | No  |  |  | Each |
| 27 | Providing and fixing toilet paper holder : C.P. brass including carriage of material in all leads and lifts.   | 2.00 | No  |  |  | Each |

|       |  |            |  |  |                    |
|-------|--|------------|--|--|--------------------|
| 28.01 | Providing and fixing high pressure PVC finolex type A spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.<br>75mm dia. | 18.00 Rmtr |  |  | Per running metre. |
| 29    | Providing and fixing PVC offset 45 degree ISI marked including fixing with approved adhesive etc. 110mm dia complete including carriage of materials within all leads and lifts.<br>75mm dia.  | 12.00 Rmtr |  |  | Per running metre. |
| 30    | Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia<br>75mm dia.  | 8.00 No    |  |  | Each               |
| 31    | Providing and fixing PVC Finolex Type A collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.<br>75mm dia.   | 5.00 No    |  |  | Each               |
| 32    | Providing and fixing PVC single equal plain tee ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia<br>75mm dia.  | 2.00 No    |  |  | Each               |
| 33    | Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour:-15mm nominal bore with 45cm length.  | 4.00 No    |  |  | Each               |
| 34    | Providing and fixing 15 mm dia CP Brass Angle Cock of approved quality and make including complete in all respect.   | 4.00 No    |  |  | Each               |
| 35    | Providing and fixing 15mm nominal bore C.P. brass bib tap with capstan head including carriage of materials within all leads and lifts:-   | 2.00 No    |  |  | Each               |
| 36    | Providing and fixing Steel towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.                         | 18.00 No   |  |  | Each               |
|       |  | 18.00 No   |  |  | Each               |
|       |  | 6.00 No    |  |  | Each               |
|       |  | 4.00 No    |  |  | Each               |



|    |   |      |      |  |  |                      |
|----|---|------|------|--|--|----------------------|
| 37 | Providing and fixing 600mm X 20mm size Ess Ess make Towel rail complete with C.P. brackets fixed to wooden plugs with C. P. screws including carriage of materials within all leads and lifts.  | 2.00 | No   |  |  | Each                 |
| 38 | Providing and fixing C.P soap Dish having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.   | 6.00 | No   |  |  | Each                 |
| 39 | Providing and fixing 3 in 1 angular corner acrylic glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts | 2.00 | No   |  |  | Each                 |
| 40 | Providing and Fixing Central single hole basin mixer without pop-up waste system with 450 mm long flexible hose. C-211A.  | 3.00 | No   |  |  | Each                 |
| 41 | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. 15mm dia nominal bore. External work.  | 5.00 | Rmtr |  |  | Per running<br>mtrre |
|    |   |      |      |  |  | <b>Total</b>         |

### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003

# SCHEDULE OF QUANTITY

Estimated cost:- 255820.00

Earnest Money:- 5150.00

Time :- One Month

Name of work :- Special repair to Various residential buildings under Shimla Division No. III (SH.-Providing & fixing Cupboards in block No. 35B/3, 4, type-II etc) at Nabha Estate Shimla.

| Sl. No.            | Items of work   | Quantity   | Rate       |          | Unit.             | Amount.        |
|--------------------|---|------------|------------|----------|-------------------|----------------|
|                    |   |            | In figures | In words |                   |                |
| 1                  | Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated plastic hinges with screws etc complete including carriage of materials within all leads and lifts   | 23.88 Sqm  |            |          | Per square metre  |                |
| 2                  | Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete including carriage of materials within all leads and lifts   | 72.62 Sqm  |            |          | Per square metre  |                |
| 3                  | Providing and fixing 100mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials in all leads and lifts  | 33.26 Sqm  |            |          | Per square metre  |                |
| 4                  | Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts  | 160.00 Rmt |            |          | Per running metre |                |
| 5                  | Providing and fixing firm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts   | 38.66 Sqm  |            |          | Per square meter  |                |
| 6                  | Providing and fixing 125 mm bright finished brass handles with screws etc complete including carriage of materials within all leads and lifts   | 53.00 No   |            |          | Each              |                |
| 7                  | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc complete i/c triple strip vertical type including carriage of materials within all leads and lifts   | 57.00 No   |            |          | Each              |                |
| 8                  | Providing and fixing chromium plated brass curtain rod having wall thickness of 125mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc wherever necessary complete 20 mm dia including carriage of materials within all leads and lifts   | 5.40 Rmt   |            |          | Per running metre |                |
| 9                  | Providing and fixing 150mm thick PVC Rubber tiles flooring plain, coloured corbel or mottled finish of approved brand colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-in-Charge including carriage of materials in all leads and lifts | 34.99 Sqm  |            |          | Per square meter  |                |
| 10                 | Applying priming coats with primer of approved brand and manufacture having low VOC (Volatile Organic Compound) content With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/litre including carriage of materials within all leads and lifts   | 124.89 Sqm |            |          | Per square meter  |                |
| 11                 | Painting wood work with Deluxe Multi Surface Paint of required shade Two or more coat applied @ 0.90 ltr/m <sup>2</sup> sqm of approved brand and manufacture including carriage of materials within all leads and lifts  | 124.89 Sqm |            |          | Per square meter  |                |
| <b>CONDITION:-</b> |   |            |            |          |                   | <b>Total:-</b> |

(1) Rates should be quoted for all lengths including all work and lifts for material and carriage work.

(2) All quantities shall be in metric units. All quantities shall be in metric units. All quantities shall be in metric units.

(3) The rates shall be for the work and lifts for material and carriage work. The rates shall be for the work and lifts for material and carriage work.



# SCHEDULE OF QUANTITY

Estimated cost: 364154.00  
Earnest Money: 7280.00

Time :- One Month.

Name of work:- S/R to Various residential buildings under division no III. (SH:- Providing and Laying Chequerred tile in back side and front side of block A Type V at Richmond Shimla.)

| Sl. NO. | Sub-Head/Item of work.   | Qty.       | Rate        |          | Unit.            | Amount. |
|---------|--|------------|-------------|----------|------------------|---------|
|         |  |            | In Figures. | In Words |                  |         |
| 1       | 2  | 3          | 4           | 5        | 6                |         |
| 1       | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.  | 31.69 Cum. |             |          | Per cubic metre. |         |
| 2       | Providing and laying in position cement concrete 1:4:8 (1 Cement : 4 coarse 8 graded stone aggregate 20mm nominal size) mechanical mixed and curing complete excluding the cost of centering and shuttering in foundation and plinths required complete inc complete including carriage of all labour equipments and materials to various locations through all modes of transportation within all leads lifts and other incidental charges. | 31.69 Cum. |             |          | Per cubic metre. |         |
| 3       | Chequerred precast NTC make cement concrete tiles 22mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).  | 150.00 Sqm |             |          | Per square meter |         |
| 4       | Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.   | 31.69 Cum. |             |          | Per cubic metre. |         |
|         |  |            |             |          | <b>Total</b>     |         |

## **CONDITION**

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003

17

**SCHEDULE OF QUANTITY**

Estimated cost:- 98124.00  
Earnest Money:- 2000.00  
Time :- One Month

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Internal painting & distempering in Vacation and due sets during 2022-23 to block No. 35/1TF, L-II/83,85, D-II-III/51, A-II/3, R-II/151etc) at Nabha Estate Shimla.

| Sl. No.     | Items of work  | Quantity    | Rate       |          | Unit.            | Amount. |
|-------------|--|-------------|------------|----------|------------------|---------|
|             |  |             | In figures | In words |                  |         |
| 1           | 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 including carriage of materials in all leads and lifts.  | 813.08 Sqm. |            |          | Per square meter |         |
| 2           | Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade Old work (one or more coats) including carriage of materials in all leads and lifts.  | 863.80 Sqm. |            |          | Per square meter |         |
| 3           | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials in all leads and lifts. | 172.76 Sqm. |            |          | Per square meter |         |
| CONDITION:- |  |             |            |          | Total:-          |         |

- i) Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer-In-charge before use.
- iii) Sample of all the material to be used on work shall be got approved from the Engineer-In-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division NO. 11  
HP.PWD.Shimla-171003



SCHEDULE OF QUANTITY

18

Estimated Cost 328800 00

Earnest Money 6580 00

Time:- one Month



Name of work:- A/R and M/O Non residential building under Division No III Shimla. (SH:- Miscellenous repair work in the office of S.E. N.H. Circle Balquali Shimla-4.)

| Sl. No. | Items of work  | Quantity  | Rate       |          | Unit. | Amount. |
|---------|--|-----------|------------|----------|-------|---------|
|         |  |           | In figuers | In words |       |         |
| 1       | Providing and placing at position Office Table of size 4' X 2'6" made of action tesa MDF preminated board complete duly finished complete with approved shade and design including carriage of materials in all leads and lifts as per direction of Engineer in Charge.  | 17.00 No. |            |          | Each  |         |
| 2       | Providing and placing at position Office Table of size 4' X 2' made of action tesa MDF preminated board complete with three drawer and one side table duly finished complete with approved shade and design including carriage of materials in all leads and lifts as per direction of Engineer in Charge.                   | 1.00 No.  |            |          | Each  |         |
| 3       | Providing and placing at position Office Table of size 5' X 3' X 2.5' with L-counter with size 26"X1"X24" made of action tesa MDF preminated board complete with drawer duly finished complete with approved shade and design including carriage of materials in all leads and lifts as per direction of Engineer in Charge. | 2.00 No.  |            |          | Each  |         |
| 4       | Providing and placing at position side cornor of hard board complete with approved size, shade and design including carriage of materials in all leads and lifts as per direction of Engineer in Charge.   | 3.00 No.  |            |          | Each  |         |
| 5       | Providing and placing at position side Table of size 2' X 16" made of action tesa MDF preminated board complete duly finished complete with approved shade and design including carriage of materials in all leads and lifts as per direction of Engineer in Charge.   | 1.00 No.  |            |          | Each  |         |
| 6       | Providing and placing at position side Table of size 2' X 2' made of action tesa MDF preminated board complete duly finished complete with approved shade and design including carriage of materials in all leads and lifts as per direction of Engineer in Charge.  | 1.00 No.  |            |          | Each  |         |
| 7       | Providing and placing at position Revolving office Chair with half seat back cussioned with leather cloth in steel with hydraulic jack complete with approved size, shade and design including carriage of materials in all leads and lifts as per direction of Engineer in Charge.  | 1.00 No.  |            |          | Each  |         |
| 8       | Providing and placing at position dinning Chair made of teak wood with top and back cusion complete with approved size, shade and design including carriage of materials in all leads and lifts as per direction of Engineer in Charge.  | 6.00 No.  |            |          | Each  |         |
|         |  |           |            |          | Total |         |

**Condition:-**

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.

  
**Executive Engineer,**  
**Shimla Division No. III,**  
**HP. PWD. Shimla-3.**  


19

SCHEDULE OF QUANTITY

Estimated cost:- 218183.00  
 Earnest Money:- 4400.00  
 Time :- One Month

Name of work:- Special repair to Various Non residential buildings under Shimla Division No. III (SH:-Repair of flooring including painting, distempereing etc in state Library near Church) (balance work)

| Sl. No.            | Items of work  | Quantity    | Rate       |          | Unit.            | Amount. |
|--------------------|--|-------------|------------|----------|------------------|---------|
|                    |  |             | In figures | In words |                  |         |
| 1                  | Providing and fixing 12mm thick water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling/flooring/cup-board and wall lining including mitering at junctions, butt measured and paid for separately) complete including carriage of materials within all leads and lifts.   | 50.00 Sqm   |            |          | Per square meter |         |
| 2                  | Providing and fixing 1.50mm thick PVC/ Rubber tiles flooring plain, coloured corbed or mosaic or matted finish of approved brand, colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-In-Charge including carriage of materials in all leads and lifts. | 124.00 Sqm. |            |          | Per square metre |         |
| 3                  | Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. including carriage of materials within all leads and lifts.   | 261.86 Sqm  |            |          | Per square meter |         |
| 4                  | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.   | 208.00 Sqm  |            |          | Per square meter |         |
| 5                  | Distempereing with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour Two coats including carriage of materials and as per the direction of the Engineer-in-Charge.                            | 261.85 Sqm  |            |          | Per square meter |         |
| 5                  | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.   | 311.00 Sqm  |            |          | Per square meter |         |
| <b>CONDITION:-</b> |  |             |            |          | <b>Total:-</b>   |         |

i) Rates should be quoted for all heights including all leads and lifts for internal and external works

ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer-in-charge before use

iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
 Executive Engineer  
 Shimla Division NO-III,  
 HRPWD, Shimla-171003



**SCHEDULE OF QUANTITY**

Estimated cost:-

313494.00

Earnest Money:-

6300.00

Time :-

Two Month

Name of work:-Special repair to various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards, lining, tiles, wood work, shutters, painting, distempering including sanitary fittings in block No. 20/4 MF etc) at Nabha Estate Shimla.

| Sl. No. | Items of work  | Quantity   | Rate       |          | Unit.             | Amount. |
|---------|--|------------|------------|----------|-------------------|---------|
|         |  |            | In figures | In words |                   |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) including carriage of materials within all leads and lifts.   | 1.04 Cum   |            |          | Per cubic meter   |         |
| 2       | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge including carriage of materials within all leads and lifts.  | 0.51 Cum   |            |          | Per cubic metre   |         |
| 3       | Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within all lead Of area 3 sq. metres and below including carriage of materials within all leads and lifts.   | 4.00 No.   |            |          | Each              |         |
| 4       | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead For thickness of tiles 10 mm to 25 mm including carriage of materials within all leads and lifts.  | 29.29 Sqm. |            |          | Per square metre  |         |
| 5       | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within all leads including carriage of materials within all leads and lifts.  | 27.96 Sqm  |            |          | Per square meter  |         |
| 6       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 Cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts as per direction of the Engineer- in- charge In Foundation and plinth  | 1.04 Cum   |            |          | Per cubic metre.  |         |
| 7       | Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size) including carriage of materials within all leads and lifts.   | 0.25 Cum   |            |          | Per Cubic meter   |         |
| 8       | Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform including carriage of materials within all leads and lifts.   | 2.84 Sqm.  |            |          | Per square meter  |         |
| 9       | 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 including carriage of materials within all leads and lifts.   | 30.00 Kg   |            |          | Per Kilogramme    |         |
| 10      | 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) including carriage of materials within all leads and lifts.   | 8.50 Sqm.  |            |          | Per square meter  |         |
| 11      | Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately) Area of slab upto 0.50 sqm including carriage of materials within all leads and lifts. Baroda green marble | 3.84 Sqm   |            |          | Per square meter  |         |
| 12      | Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge Granite work including carriage of materials within all leads and lifts.   | 3.10 Rmt.  |            |          | Per running meter |         |
| 13      | Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4(1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete including carriage of materials within all leads and lifts.  | 30.53 Sqm  |            |          | Per square meter  |         |

|    |  |             |  |  |                    |  |
|----|--|-------------|--|--|--------------------|--|
| 14 | Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. complete including carriage of materials within all leads and lifts:- 2nd class deodar wood.  | 0.120 Cum   |  |  | Per cubic meter    |  |
| 15 | Providing wood work in frames of false ceiling, partition etc. sawn and and putup in position including carriage of materials within all leads and lifts. Second class chil/ral wood.  | 0.050 Cum   |  |  | Per cubic metre    |  |
| 16 | Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.  | 6.39 Sqm    |  |  | Per square meter   |  |
| 17 | Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.   | 8.30 Sqm    |  |  | Per square meter   |  |
| 18 | Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts   | 7.84 Sqm.   |  |  | Per square metre.  |  |
| 19 | Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts   | 20.36 Sqm.  |  |  | Per square metre.  |  |
| 20 | Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete. including carriage of materials in all leads and lifts.  | 15.04 Sqm.  |  |  | Per square metre.  |  |
| 21 | Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.  | 41.84 Rmt.  |  |  | Per running metre. |  |
| 22 | Providing and fixing 12mm thick water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling/flooring/cup-board and wall lining including mitring at junctions, butt measured and paid for separately) complete including carriage of material within all leads and lifts.   | 27.12 Sqm   |  |  | Per square meter   |  |
| 23 | Providing and fixing aluminium sliding door 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 nuts and screws etc. complete 300x16 mm including carriage of materials within all leads and lifts.  | 2.00 No.    |  |  | Each               |  |
| 24 | 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 :- 250x10 mm including carriage of materials within all leads and lifts.  | 4.00 No.    |  |  | Each               |  |
|    | ii) 150x10 mm.   | 12.00 No.   |  |  | Each               |  |
| 25 | 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. i) 125 mm including carriage of materials within all leads and lifts.   | 4.00 No.    |  |  | Each               |  |
|    | ii) 100mm.   | 22.00 No.   |  |  | Each               |  |
|    | iii) 75mm.   | 4.00 No.    |  |  | Each               |  |
| 26 | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials within all leads and lifts.  | 22.00 No.   |  |  | Each               |  |
| 27 | Providing and laying vitrified floor tiles 600x600mm in different sizes (thickness to be specified by the manufacturer) with water-absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete including carriage of materials within all leads and lifts. | 10.45 Sqm   |  |  | Per square meter   |  |
| 28 | 15 mm cement plaster on the rough side of single or half brick wall of mix :-1:6 (1 cement: 6 fine sand) including carriage of materials within all leads and lifts.   | 44.96 Sqm   |  |  | Per square meter   |  |
| 29 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre. including carriage of materials within all leads and lifts.  | 20.50 Sqm   |  |  | Per square meter   |  |
| 30 | Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. including carriage of materials within all leads and lifts.   | 65.60 Sqm   |  |  | Per square meter   |  |
| 31 | Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade Old work (one or more coats) including carriage of materials in all leads and lifts.  | 164.00 Sqm. |  |  | Per square meter   |  |



|      |   |             |  |  |                   |
|------|---|-------------|--|--|-------------------|
| 32   | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.  | 77.36 Sqm   |  |  | Per square meter  |
| 33   | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.  | 150.42 Sqm  |  |  | Per square meter  |
| 34   | Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (One or more coat applied @ 0.90 ltr/10 sqm). including carriage of materials within all leads and lifts.   | 27.96 Sqm   |  |  | Per square meter  |
| 35   | 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 including carriage of materials in all leads and lifts.   | 201.47 Sqm. |  |  | Per square metre. |
| 36   | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts. | 1.00 No.    |  |  | Each              |
| 37   | 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 550x400mm including carriage of materials within all leads and lifts  | 1.00 No.    |  |  | Each              |
| 38   | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610x460 mm bowl depth 200 mm including carriage of materials within all leads and lifts.   | 1.00 No     |  |  | Each              |
| 39   | Providing and fixing 8 mm dia C.P./S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials within all leads and lifts.   | 1.00 No.    |  |  | Each              |
| 40   | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.-32 mm dia including carriage of materials within all leads and lifts.   | 2.00 No.    |  |  | Each              |
| 41   | Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.   | 3.00 No.    |  |  | Each              |
| 42   | Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including carriage of materials within all leads and lifts.  | 1.00 No.    |  |  | Each              |
| 43   | 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 including carriage of materials within all leads and lifts.   | 1.00 No.    |  |  | Each              |
| 44   | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.15 mm dia nominal bore Internal work including carriage of materials in all leads and lifts.  | 12.45 Rmt   |  |  | Per running metre |
| 45   | Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :Pipes, cables etc. exceeding 80 mm                             | 12.80 Rmt   |  |  | Per running metre |
| 46   | Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm nominal bore including carriage of materials within all leads and lifts.   | 3.00 No     |  |  | Each              |
| 47   | Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore including carriage of materials within all leads and lifts.   | 6.00 No     |  |  | Each              |
| 48   | Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials in all leads and lifts.   | 6.00 No     |  |  | Each              |
| 49   | Providing and fixing 15mm mixer for kitchen sink with top/bottom swinging spout including fitting complete in all respect including carriage of materials within all leads and lifts.   | 1.00 No     |  |  | Each              |
| 50   | Providing and fixing high pressure PVC (Finolex) spigot and socket, waste and ventilating pipes including collar and clamps ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110 mm dia.   | 8.30 Rmt.   |  |  | Per running metre |
| (ii) | 75 mm dia.  | 3.70 Rmt    |  |  | Per running meter |

|                    |   |          |  |  |                |  |
|--------------------|---|----------|--|--|----------------|--|
| 51                 | Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm X 75mm.          | 2.00 No. |  |  | Each           |  |
| 52                 | Providing and fixing PVC Finolex type "A" door bend with oval access door, insertion rubber washer 3mm thick bolts and nuts ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. 110mm nominal size. | 4.00 No  |  |  | Each           |  |
| 53                 | Providing & fixing PVC Finolex Coller 110mm size of specified quality including carriage of materials in all leads and lifts.   | 2.00 No. |  |  | Each           |  |
| <b>CONDITION:-</b> |   |          |  |  | <b>Total:-</b> |  |

- i) Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer- in- charge before use.
- iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

*Executive Engineer*  
**Shimla Division NO.111**  
**HP.PWD.Shimla-171003**



SCHEDULE OF QUANTITY

(91)

Estimated Cost Rs. 373592.00

Earnest Money Rs. 7470.00

Time:- one month.

Name of Work:- S/R to Various residential buildings under division No III Shimla. ( Providing and Laying stone soling, Reapir of tile work,and other miscellenous reapir work in Ellerslie Cottage at Chotta Shimla.)

| Sl. No. | Items of work   | Quantity   | Rate       |          | Unit.              | Amount. |
|---------|---|------------|------------|----------|--------------------|---------|
|         |   |            | In figuers | In words |                    |         |
| 1       | Dismantling wooden boardings including stacking complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:-width Upto 200 mm   | 31.24 Sqm. |            |          | Per Square metre.  |         |
| 2       | Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead :Of sectional area 40 square entimetres and above. including carriage of materials within all leads and lifts.   | 0.59 Cum.  |            |          | Per cubic metre.   |         |
| 3       | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. | 9.88 Rmtr  |            |          | Per running metre  |         |
| 4       | Stone soling properly hand-packed filling interstices with Kharanja stone under floor specified thickness complete as per HP.PWD specification Including carriage of material within all leads and lifts as per direction of Engineer-in-charge.  | 4.95 Cum   |            |          | Per Cubic metre    |         |
| 5       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.               | 4.95 Cum   |            |          | Per Cubic metre    |         |
| 6       | 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)   | 2.48 Cum   |            |          | Per Cubic metre    |         |
| 7       | Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- Rae wood/chill wood   | 0.38 Cum   |            |          | Per Cubic metre    |         |
| 8       | Providing and fixing 12 mm thick ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)  | 15.51 Sqm. |            |          | Per Square metre.  |         |
| 9       | Providing and fixing 75x12 mm size wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. in 2nd class D/Dar wood complete including carriage of materials within all leads and lifts.   | 68.00 Rmtr |            |          | Per running metre. |         |
| 10      | Providing and fixing 40x12 mm size wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. in 2nd class D/Dar wood complete including carriage of materials within all leads and lifts.   | 98.20 Rmtr |            |          | Per running metre. |         |

|    |   |        |      |  |  |                   |  |
|----|---|--------|------|--|--|-------------------|--|
|    | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Deodar wood wood 35 mm thick shutters  | 2.97   | Sqm. |  |  | Per Square metre. |  |
| 12 | Providing and fixing 100 mm bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.   | 15.00  | No   |  |  | Each              |  |
| 13 | 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 : 150x10 mm  | 4.00   | No   |  |  | Each              |  |
| 14 | 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 :100mm.   | 2.00   | No   |  |  | Each              |  |
| 15 | 1.5 mm thick pvc/rubber tiles flooring of approved brand plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment including carriage of materials within all leads and lifts.   | 14.49  | Sqm. |  |  | Per Square metre. |  |
| 16 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 1000mm X 200mm. | 33.28  | Sqm. |  |  | Per Square metre. |  |
| 17 | Providing and fixing central hole wash basin mixture / sink mixture including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-ESS ESS Trend series T-118.   | 1.00   | No   |  |  | Each              |  |
| 18 | Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.  | 215.65 | Sqm. |  |  | Per Square metre. |  |
| 19 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.   | 246.48 | Sqm. |  |  | Per Square metre. |  |
| 20 | Painting wood work with Deluxe Multi Surface Paint to give an even shade. Old work one or more coat sqm of approved brand and manufacture   | 892.11 | Sqm. |  |  | Per Square metre. |  |
| 21 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. With ready mixed pink or grey primer on wood work (hard and soft wood) including carriage of materials within all leads and lifts.   | 30.13  | Sqm. |  |  | Per Square metre. |  |
| 22 | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.   | 30.13  | Sqm. |  |  | Per Square metre. |  |
| 23 | Polishing one or more coats with Melamine polish of required shade on old wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.   | 115.05 | Sqm. |  |  | Per Square metre. |  |



|  |             |                   |
|--|-------------|-------------------|
| Finishing walls with Acrylic Smooth exterior Emulsion of required shade Old work (One or more coat ) of approved brand and manufacture . including carriage of materials within all leads and lifts.   | 430.31 Sqm. | Per Square metre. |
| Wall painting with plastic emulsion of approved brand and manufacture to give an even shade one or more coats on old work complete including carriage of materials within all leads and lifts.   | 246.37 Sqm. | Per Square metre. |
| 26 Providing and fixing angle stop cock 15mm (fifteen millimetre.) nominal bore including carriage of materials within all leads and lifts - Ess Ess make Cat No. T-112.   | 5.00 No.    | Each              |
| 27 Providing and fixing angle stop cock (Hoz angle cock)15mm (fifteen millimetre.) nominal bore including carriage of materials within all leads and lifts - Ess Ess make Cat No. T-112.H  | 2.00 No.    | Each              |
| 28 Providing and fixing health Faucet for water closet including carriage of materials within all leads and lifts -Cat No. C-232 Y.  | 2.00 No.    | Each              |
| 29 Providing and fixing Jet spray flexible tube upto 1 metre long tube with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.   | 2.00 No.    | Each              |
| 30 Providing and fixing Bib cock with foam flow without wall flange of approved quality conforming to IS:8931 15 mm nominal bore. including carriage of materials within all leads and lifts.Ess-Ess Trend Cat No T-103  | 6.00 No.    | Each              |
| 31 Providing and fixing Aluminium sliding door 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 nuts and screws etc. complete : complete including carriage of materials within all leads and lifts.250x16 mm     | 1.00 No.    | Each              |
| 32 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 125mm   | 2.00 No.    | Each              |
| 33 Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved | 9.88 Cum    | Per Cubic metre   |
|  |             | Total             |

*Rates should be quoted for all heights including all leads and lifts for internal and external works.*

*Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.*

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.

**SCHEDULE OF QUANTITY**

22

Estimated cost:- 104020.00

Earnest Money:- 2080.00

Time :- One Month.

Name of work:- A/R and M/O to Various residential buildings under division no III Shimla. (Repair of cupboard, White washing etc in block No.III Set No 36and 42 Type IV at U.S Club Shimla)

| Sl. NO. | Sub-Head/Item of work.   | Qty.   | Rate        |          | Unit.              | Amount. |
|---------|--|--------|-------------|----------|--------------------|---------|
|         |  |        | In Figures. | In Words |                    |         |
| 1       | 2  | 3      | 4           | 5        | 6                  |         |
| 1       | Providing and fixing ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately) 6 mm thick ply including carriage of materials within all leads and lifts.   | 5.72   | Sqm.        |          | Per Square metre   |         |
| 2       | Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts  | 12.92  | Sqm.        |          | Per square metre.  |         |
| 3       | Providing and fixing 19mm thick Commercial Board shutters for cup boards including fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts.  | 9.31   | Sqm.        |          | Per square metre.  |         |
| 4       | Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete including carriage of materials within all leads and lifts.   | 40.87  | Sqm.        |          | Per square metre.  |         |
| 5       | Providing and fixing hard wood square edges cover fillets (beading) 19mm x 6mm section including mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.  | 33.07  | Rmt.        |          | Per running metre. |         |
| 6       | 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 including carriage of materials within all leads and lifts:- (i) 125mm size.   | 19.00  | No.         |          | Each.              |         |
| 7       | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials within all leads and lifts:- Double strip (horizontal type).  | 19.00  | No          |          | Each               |         |
| 8       | Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of material in all leads and lifts.   | 54.52  | Sqm.        |          | Per square metre.  |         |
| 9       | Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.  | 63.83  | Sqm         |          | Per square metre   |         |
| 10      | Distemping(one coat) with oil bound washable distemper of approved brand and manufacture and of required shade, on decorated wall surfaces to give an even shade, after thoroughly brushing the surface clean of all grease, dirt, loose pieces of scales and also including preparing the surface even and sand papered smooth including carriage of materials in all leads and lifts.. | 136.29 | Sqm.        |          | Per square metre.  |         |



|    |   |        |      |  |  |                  |  |
|----|---|--------|------|--|--|------------------|--|
| 11 | Metamine polishing on wood work (one or more coat).cluding carriage of materials within all leads and lifts.  | 34.20  | Sqm. |  |  | Per square metre |  |
| 12 | 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 including carriage of materials within all leads and lifts. | 169.21 | Sqm  |  |  | Per square metre |  |
|    |   |        |      |  |  | Total            |  |

#### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003

**SCHEDULE OF QUANTITY**

23

Estimated cost:- 133614.00

Earnest Money:- 2670.00

Time :- One Month.

Name of work:-A/R and M/O Various residential buildings under division no III Shimla. (SH:-Repair of toilet , painting and distempering of set no - 5 new type - V building at Richmond Shimla)

| Sl. NO. | Sub-Head/Item of work.  | Qty.        | Rate        |          | Unit.             | Amount. |
|---------|---|-------------|-------------|----------|-------------------|---------|
|         |   |             | In Figures. | In Words |                   |         |
| 1       | 2   | 3           | 4           | 5        | 6                 |         |
| 1       | Dismantling tile work in floors and roofs laid in cement mortar including stacking material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- For thickness of tiles 10 mm to 25 mm.   | 32.06 Sqm   |             |          | Per square metre  |         |
| 2       | Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts.  | 109.03 Sqm. |             |          | Per square metre. |         |
| 3       | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade one or more coats on old work complete including carriage of materials within all leads and lifts.  | 545.13 Sqm  |             |          | Per square metre  |         |
| 4       | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.  | 109.03 Sqm  |             |          | Per square metre  |         |
| 5       | Painting wood work with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials within all leads and lifts.   | 99.45 Sqm   |             |          | Per square metre  |         |
| 6       | Providing and laying glazed wall tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete .                           | 33.46 Sqm   |             |          | Per square metre  |         |
| 7       | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc. , complete Size of Tile 600mm X 600mm Nitco or Equivalent. | 10.31 Sqm.  |             |          | Per square metre. |         |
| 8       | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid Make Cera or Hindware                | 2.00 No.    |             |          | Each              |         |



|    |  |       |       |                    |
|----|--|-------|-------|--------------------|
| 9  | Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge. including carriage of materials within all leads and lifts. | 2.00  | No.   | Each               |
| 10 | Providing and fixing Wall mixer 3-in-1 with cartridge with provisions for both overhead shower & telephonic shower with 190 mm long bend pipe & wall flang including carriage of materials within all leads and lifts:- Ess Ess Cat No. EC-09N             | 2.00  | No.   | Each               |
| 11 | Providing and fixing C.P.brass bib cock ESS-Ess(croma) or equivalent including carriage of materials within all leads and lifts :-15mm dia Cat-No.C-202B.  | 2.00  | No.   | Each               |
| 12 | Providing and fixing 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts   | 4.00  | No.   | Each               |
| 13 | Providing and fixing high pressure PVC Finolex Type B spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. complete including carriage of materials within all leads and lifts:-150mm dia.              | 11.50 | Rmtr  | Per running metre. |
| 14 | Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110 mm dia.   | 4.00  | No.   | Each               |
| 15 | Providing and fixing PVC Finolex Type B plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia  | 4.00  | No.   | Each               |
|    |  |       | Total |                    |

#### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003  
*gen*

SCHEDULE OF QUANTITY

(24)

Estimated Cost R 371862.00

Earnest Money R 7440.00

Time:- one month.

Name of Work:- S/R to Various residential buildings under division No III Shimla. ( Providing and Fixing Ceiling , PVC repair and other miscellenous repair work in Set N C-24 at Old MLA Qtrs Boileauganj Shimla

| Sl. No. | Items of work  | Quantity |      | Rate       |          | Unit.             | Amount. |
|---------|--|----------|------|------------|----------|-------------------|---------|
|         |  |          |      | In figures | In words |                   |         |
| 1       | Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.   | 62.16    | Sqm. |            |          | Per Square metre. |         |
| 2       | Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts.:- Rae wood/chill wood   | 0.62     | Cum. |            |          | Per cubic metre.  |         |
| 3       | Providing and fixing 40x12 mm size wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. in 2nd class D/Dar wood complete including carriage of materials within all leads and lifts.  | 174.79   | Rmtr |            |          | Per running metre |         |
| 4       | Providing and fixing 50x20 mm size wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. in 2nd class teak wood complete including carriage of materials within all leads and lifts.   | 73.16    | Cum  |            |          | Per Cubic metre   |         |
| 5       | Providing and fixing water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately) 12mm thick including carriage of materials within all leads and lifts. | 51.20    | Sqm. |            |          | Per Square metre. |         |
| 6       | 1.5 mm thick pvc/rubber tiles flooring of approved brand plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment including carriage of materials within all leads and lifts.  | 51.20    | Sqm. |            |          | Per Square metre  |         |
| 7       | Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts  | 11.71    | Rmtr |            |          | Per running metre |         |
| 8       | Providing and fixing 19 mm thick commercial board in shelves, lining, box for cup boards with butt joints fixed with nails and screws etc complete including carriage of material in all leads and lifts   | 27.63    | Sqm. |            |          | Per Square metre. |         |
| 9       | Providing and fixing 19 mm thick commercial board shutter for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of material in all leads and lifts  | 17.35    | Sqm. |            |          | Per Square metre. |         |



|  |  |            |  |  |                   |
|--|--|------------|--|--|-------------------|
| 10   | Providing and fixing 1.0 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.   | 25.13 Sqm. |  |  | Per Square metre. |
| 11   | Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.  | 45.70 Rmtr |  |  | Per running metre |
| 12   | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials in all leads and lifts.   | 30.00 No   |  |  | Each              |
| 13   | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Deodar wood wood 35 mm thick shutters | 12.74 Sqm  |  |  | Per square metre  |
| Rates should be quoted for all heights including all leads and lifts for internal and external works.  |  |            |  |  | Total             |
| Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards. |  |            |  |  |                   |

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.

SCHEDULE OF QUANTITY

25

Estimated cost: 398609.00

Earnest Money: 7970.00

Time :- One Month.

Name of work:- S/R to Various residential buildings under division no III Shimla. (SH:-Repair of roof, gutter of ground floor of Secretary cottage at U.S Club shimla)

| Sl. NO. | Sub-Head/Item of work.   | Qty.        | Rate        |          | Unit.             | Amount. |
|---------|--|-------------|-------------|----------|-------------------|---------|
|         |  |             | In Figures. | In Words |                   |         |
| 1       | 2  | 3           | 4           | 5        | 6                 |         |
| 1       | Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet. including carriage of materials within all leads and lifts   | 177.00 Sqm. |             |          | Per square metre. |         |
| 2       | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.  | 1150.50 Kg  |             |          | Per kilogramme    |         |
| 3       | Providing and fixing Tata Durashine precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.62 mm (+0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5 x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. | 177.00 Sqm  |             |          | Per square metre. |         |
| 4       | Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : i) Ridges plain (500 - 600mm)   | 15.00 Rmtr  |             |          | Per running metre |         |
| 5       | Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :- Gutter (600 mm over all girth)   | 15.00 Rmtr  |             |          | Per running metre |         |



|   |   |      |      |  |  |                   |  |
|---|---|------|------|--|--|-------------------|--|
| 6 | Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, Single socketed pipes:- 110mm diameter metre. | 8.40 | Rmtr |  |  | Per running metre |  |
| 7 | Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110mm dia   | 4.00 | No   |  |  | Each              |  |
| 8 | Providing and fixing PVC plain shoe ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110mm dia   | 2.00 | No   |  |  | Each              |  |
|   |   |      |      |  |  | Total             |  |
|   |   |      |      |  |  |                   |  |
|   |   |      |      |  |  |                   |  |

#### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Credit for servicable material to be obtained from dismantling i.e. CGI/PGI sheets.177.00sqm @165.00 per square metre

*Executive Engineer*  
Shimla Division NO.III.  
HP.PWD.Shimla-171003

SCHEDULE OF QUANTITY

26

Estimated Cost Rs. :- 113417.00

Earnest Money Rs. :- 2270.00

Time:- One Month.

Construction

Construction of Retaining wall in left side

Name of work: -A/R & M/O to Various residential building under Shimla Division No. III (SH:- of First floor of Block No.2 Type-I Qtrs at Yates Place Near Raj Bhawan shimla-2)

| Sl. No. | Items of work  | Quantity  | Rate       |          | Unit.             | Amount. |
|---------|--|-----------|------------|----------|-------------------|---------|
|         |  |           | In figures | In words |                   |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.  | 0.35 Cum  |            |          | Per Cubic Metre   |         |
| 2       | Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. (i) All kind of Soil  | 4.16 Cum  |            |          | Per Cubic Metre   |         |
| 3       | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (i) All kinds of soil  | 6.89 cum. |            |          | Per Cubic Metre   |         |
| 4       | 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) including carriage of materials within all leads and lifts  | 0.35 Cum  |            |          | Per Cubic Metre   |         |
| 5       | Centering and shuttering including strutting, propping etc. and removal of form work for :Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.   | 21.15 Sqm |            |          | Per square meter  |         |
| 6       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)  | 16.91 Cum |            |          | Per Cubic Metre   |         |
| 7       | Providing weep holes in brick masonry /stone masonry/plain reinforced concrete abutment ,wing wall return wall with 100 mm ( one hundred milimetre ) dia ,PVC pipe extending through the full width of the structure with slope of 1(v): 20 ( Twenty ) ( H) towards drawing face complete complete as per drawing and technical specification clauses 614,709,1204.3.7 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. | 4.95 Rmt. |            |          | Per Running Metre |         |



|   |  |       |      |  |  |                 |  |
|---|--|-------|------|--|--|-----------------|--|
| 8 | Disposal of moorum/ buil;ding rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. Foe lalleafts, complete as per dierection of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carring motor vehicle of 3.5 cum. or More. | 11.40 | Cum. |  |  | Per Cubic Metre |  |
|   | <b>Conditions:-</b>  |       |      |  |  | <b>Total</b>    |  |

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V, HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

14

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla**

27

**SCHEDULE OF QUANTITY**

Estimated cost:-  
Earnest Money:-  
Time :-

369066.00  
7400.00  
One Month

Name of work:-Special repair to Various Non residential buildings under Shimla Division No. III (SH:-Providing & fixing paneling, ceiling, flooring etc attached room to winter field Annexe above LA office).

| Sl. No.            | Items of work   | Quantity   | Rate       |          | Unit.            | Amount. |
|--------------------|---|------------|------------|----------|------------------|---------|
|                    |   |            | In figures | In words |                  |         |
| 1                  | Providing wood work in frames of false ceiling, partition etc. sawn and and putup in position including carriage of materials within all leads and lifts. Second class chil/rai wood.   | 0.280 Cum  |            |          | Per cubic metre  |         |
| 2                  | Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position. complete including carriage of materials within all leads and lifts.- 2nd class deodar wood.   | 0.670 Cum  |            |          | Per cubic meter  |         |
| 3                  | Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood. | 3.37 Sqm   |            |          | Per square meter |         |
| 4                  | Providing and fixing 6 mm thick ply wood ceiling/lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) inclding carriage of materials within all leads and lifts.  | 37.01 Sqm. |            |          | Per Square metre |         |
| 5                  | Providing and fixing 12mm thick water proof shuttering ply of standard quality ISI mark and approved shade and colour in panelling/flooring/cup-board and wall lining including mitring at junctions, butt measured and paid for separately) complete including carriage of material within all leads and lifts.      | 57.28 Sqm  |            |          | Per square meter |         |
| 6                  | Providing and fixing 12 mm thick deodar wood 1st class imported in ceiling with tounge and grooved jointing of standard quality ISI mark and approved shade and colour complete including carriage of materials in all leads and lifts.   | 94.29 Sqm  |            |          | Per square meter |         |
| 7                  | 40 mm wooden planking tongued and grooved, in flooring fixing to wooden base frame with iron screws complete (base wooden frame to be paid separately) First class deodar wood planks including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.     | 4.82 Sqm.  |            |          | Per square meter |         |
| <b>CONDITION:-</b> |   |            |            |          | <b>Total:-</b>   |         |

q) Rates should be quoted for all heights including all leads and lifts for internal and external works.

Executive Engineer  
Shimla Division NO. III,  
HP.PWD.Shimla-171403



**SCHEDULE OF QUANTITY**

28

Estimated cost:- 313394.00

Earnest Money:- 6270.00

Time :- One Month.

Name of work:-A/R and M/O to Various residential buildings under division no III Shimla.( Painting and distempering and other Miscellenous repair work in Benmore-8)


| Sl. NO. | Sub-Head/Item of work.  | Qty.        | Rate        |          | Unit.             | Amount. |
|---------|---|-------------|-------------|----------|-------------------|---------|
|         |   |             | In Figures. | In Words |                   |         |
| 1       | 2   | 3           | 4           | 5        | 6                 |         |
| 1       | Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of matyerial in all leads and lifts.   | 573.07 Sqm. |             |          | Per square metre. |         |
| 2       | Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papared smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts. | 573.07 Sqm  |             |          | Per square metre  |         |
| 3       | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture including carriage of materials within all leads and lifts.  | 716.34 Sqm  |             |          | Per square metre  |         |
| 4       | 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 including carriage of materials within all leads and lifts.   | 740.96 Sqm  |             |          | Per square metre  |         |
| 5       | Melamine polishing on wood work (one or more coat) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge  | 125.27 Sqm. |             |          | Per square metre. |         |
| 6       | Finishing walls with textured exterior paint of required shadetes New work (Two or more coats applied @ for external plaster are for height upto 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm  | 435.67 Sqm. |             |          | Per square metre. |         |
| 7       | Painting on G.S. sheet / steel work with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade Old work (two or more coats) including carriage of materials within all leads and lifts.   | 435.67 Sqm  |             |          | Per square metre  |         |
| 8       | Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary including carriage of materials within all leads and lifts:-Plain Glass:4mm thick.   | 4.32 Sqm.   |             |          | Per square metre. |         |
| 9       | Supplying and fixing at site 4'x2' size centre table of teak wood with glass top including finished with malamine polish complete including carriage of materials within all leads and lifts.   | 2.00 No.    |             |          | Each              |         |

|    |  |      |      |  |  |                  |  |
|----|--|------|------|--|--|------------------|--|
| 10 | Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary crews. 35mm thick 2nd class deodar wood including carriage of materials within all leads and lifts.   | 1.39 | Sqm. |  |  | Per square metre |  |
| 11 | Marble work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately). Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble. | 0.84 | Sqm  |  |  | Per square metre |  |
| 12 | Providing and supplying at site mattresses of standard size and quality of Sleepwell /Kurl-on of size 72"x35"x5" sleepwell complete. in all respects as directed by the Engineer-in-charge including carriage of material in all leads and lifts.  | 4.00 | No   |  |  | Each             |  |
| 13 | Providing and supplying at site Fibre pillow of Sleepwell . including carriage of materials within all leads and lifts. as per direction of Engineer-in-Charge.  | 4.00 | No   |  |  | Each             |  |
|    |  |      |      |  |  | Total            |  |

#### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

  
Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003





**SCHEDULE OF QUANTITY**

29

Estimated Cost Rs. :- 257833.00

Earnest Money Rs. :- 5160.00

Time:- One Month.

**Name of work: - A/R & M/O to Various residential building under Shimla Division No. III (SH:- Providing and Fixing welded mesh ,  
Plastering brick work. Tile work Painting and Distempering etc. block No3 Set No. 1 to 4 at Barnes court Shimla)**

| Sl. No. | Items of work   | Quantity   | Rate       |          | Unit.            | Amount. |
|---------|---|------------|------------|----------|------------------|---------|
|         |   |            | In figures | In words |                  |         |
| 1       | Providing and fixing M.S welded mesh 25mmx25mmx3mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-1 including carriage of materials up to all leads and lifts.  | 86.16 Sqm  |            |          | Per square meter |         |
| 2       | 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 (1 cement : 6 coarse sand) including carriage of material in all leads and lifts :-  | 0.85 Cum   |            |          | Per Cubic Metre  |         |
| 3       | 15 mm cement plaster on the rough side of single or half brick wall of mix :1:6 (1 cement: 6 fine sand)including carriage of materials within all leads and lifts   | 118.21 Sqm |            |          | Per Square Metre |         |
| 4       | 6mm Cement plaster to ceiling in Cement Mortar 1:3 (1Cement:3 Sand) including carriage of materials within all leads and lifts.   | 25.13 Sqm  |            |          | Per Square Metre |         |
| 5       | Providing and laying Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete within carriage of material in all leads and lifts. | 25.13 Sqm  |            |          | Per Square Metre |         |
| 6       | Chequered terrazo tiles 22 mm thick with graded NTC Make in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:6 (1 cement :6 coarse sand) :   | 32.31 Sqm  |            |          | Per Square Metre |         |
| 7       | Providing and fixing aluminium sliding door 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 nuts and screws etc. complete : (i) 250x16mm  | 3.00 No.   |            |          | Each             |         |
| 8       | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.  | 143.34 Sqm |            |          | Per Square Metre |         |
| 9       | Painting with synthetic enamel paint on previously painted wood surface of approved brand and manufacture of required colour to give an even shade Two or more coats on New work including carriage of materials in all leads and lifts.  | 59.87 Sqm  |            |          | Per Square Metre |         |
| 10      | Painting with synthetic enamel paint on previously painted steel surface of approved brand and manufacture of required colour to give an even shade Two or more coats on New work including carriage of materials in all leads and lifts.   | 249.38 Sqm |            |          | Per Square Metre |         |
| 11      | Finishing walls with Acrylic Smooth exterior paint of required shade : (i) New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) including carriage of materials within all leads and lifts   | 550.44 Sqm |            |          | Per Square Metre |         |

|                     |   |       |     |  |  |                  |  |
|---------------------|---|-------|-----|--|--|------------------|--|
| 12                  | Providing and fixing plain G.I. sheet lining/ Ceiling with butt jointing and wood screws/ nails etc complete. (frame work and cover fillets to be measured and paid for separately. | 20.25 | Sqm |  |  | Per Square Metre |  |
| <b>Conditions:-</b> |   |       |     |  |  | <b>Total</b>     |  |

*Rates should be quoted for all heights including all leads and lifts for internal and external works.*

*Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged*

*Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards*

**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-3**



**SCHEDULE OF QUANTITY**

30

Estimated cost: 386842.00

Earnest Money: 7740.00

Time :- One Month.

Name of work:- S/R to Various residential buildings under division no III Shimla. (SH:- Repair of roof of Overseer qtrs at Richmond Shimla)


| Sl. NO. | Sub-Head/Item of work.   | Qty.    | Rate        |          | Unit.            | Amount. |
|---------|--|---------|-------------|----------|------------------|---------|
|         |  |         | In Figures. | In Words |                  |         |
| 1       | 2  | 3       | 4           | 5        | 6                |         |
| 1       | Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet. including carriage of materials within all leads and lifts   | 124.13  | Sqm.        |          | Per square metre |         |
| 2       | Steel work welded in built up sections/ framed work, in trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.  | 1853.55 | Kg.         |          | Per Kilogramme   |         |
| 3       | Providing and fixing Precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.60 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5 x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. | 132.34  | Sqm.        |          | Per square metre |         |
|         |  |         |             |          |                  |         |
|         |  |         |             |          |                  |         |

**CONDITION**

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Credit for Useful C.G.I sheet Chargeable/deducted from contractor For qty 124.13 sqmtr @ Rs165 per sqmtr

  
 Executive Engineer  
 Shimla Division NO.III.  
 HP.PWD.Shimla-171003

**SCHEDULE OF QUANTITY**

(31)

Estimated Cost Rs. :- 355382.00

Earnest Money Rs. :- 7110.00

Time:- One Month.

**Name of work: - Special repair to Various residential Building under Shimla Division No.III ( SH:- P/F half Brick Masonary , Tile work, Cup Board, Sanitary work etc. in Set No.1 and Bunglow No.3 at Harvington Estate Shimla )**


| Sl. No. | Items of work  | Quantity |      | Rate       |          | Unit.            | Amount. |
|---------|--|----------|------|------------|----------|------------------|---------|
|         |  |          |      | In figuers | In words |                  |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in charge.(i) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)   | 1.008    | Cum  |            |          | Per Cubic Metre  |         |
| 2       | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : (i) cement mortar 1:4 (1 cement : 4 coarse sand)   | 3.95     | Sqm. |            |          | Per Square Metre |         |
| 3       | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). (i) Sal wood   | 0.248    | Cum  |            |          | Per Cubic Metre  |         |
| 4       | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws. excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)(i) Second Class Deodar wood (a) 35mm thick | 3.81     | Sqm. |            |          | Per Square Metre |         |
| 5       | Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws with ISI marked M.S. pressed butt hinges bright finished of required size(i)Second class Deodar wood(a)35 mm thick shutters  | 4.06     | Sqm. |            |          | Per Square Metre |         |
| 6       | Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : (i) 250x15mm   | 3.00     | No.  |            |          | Each             |         |
| 7       | Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (i) 200x10mm  | 10.00    | No.  |            |          | Each             |         |
| 8       | Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (i) 150x10mm  | 12.00    | No.  |            |          | Each             |         |
| 9       | Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : (i) 100mm  | 12.00    | No.  |            |          | Each             |         |
| 10      | Providing and fixing 19mm (Nineteen milimetre) thick commercial board for cup board etc., in shelves with screws and fittings wherever required, (fittings to be paid separately).   | 39.01    | Sqm. |            |          | Per Square Metre |         |
| 11      | Providing and fixing 19mm (Nineteen milimetre) thick commercial board Shutters for cup board etc., with screws and fittings wherever required, (fittings to be paid separately) including ISI marked nickel plated bright finishing M.S. piano hinges conforming to IS:3818 marked with necessary screw etc all complete.  | 6.59     | Sqm. |            |          | Per Square Metre |         |



|    |  |       |      |  |  |                   |  |
|----|--|-------|------|--|--|-------------------|--|
| 12 | Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.(i) 0.80 mm Thick sheet   | 36.89 | Sqm. |  |  | Per Square Metre  |  |
| 13 | Providing and fixing 4mm Thick Venred Decorative ply wood lining with butt jointing and nails(frame work and cover fillets to be measured and paid for separately.   | 14.75 | Sqm. |  |  | Per Square Metre  |  |
| 14 | Providing and fixing 6mm thick ply wood lining with butt jointing and nails(frame work and cover fillets to be measured and paid for separately.   | 9.22  | Sqm. |  |  | Per Square Metre  |  |
| 15 | Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts. (i) Hard wood   | 62.00 | Rmt. |  |  | Per Running Metre |  |
| 16 | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete.(i) .Triple strip vertical type   | 10.00 | No.  |  |  | Each              |  |
| 17 | Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.   | 10.00 | No.  |  |  | Each              |  |
| 18 | Providing and fixing powder coated telescopic drawer channels 200 mm long with necessary screws etc. complete as per directions of Engineer- in-charge.  | 2.00  | set  |  |  | Per Set           |  |
| 19 | Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete. (i) 200mm  | 10.00 | No.  |  |  | Each              |  |
| 20 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. | 9.22  | Sqm. |  |  | Per Square Metre  |  |
| 21 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.  | 14.75 | Sqm. |  |  | Per Square Metre  |  |
| 22 | Polishing two coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler (Two or more coat on new wood)   | 14.75 | Sqm. |  |  | Per Square Metre  |  |
| 23 | Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 4.00mm thick glass panes complete including carriage of materials within all leads and lifts.   | 16.29 | Sqm. |  |  | Per Square Metre  |  |
| 24 | Providing and Fixing Stain less Steel wire Drawer for Modular Kitchen With Roller and Channels including carriage of Material with in all leads and lifts  | 16.00 | No.  |  |  | Each              |  |
| 25 | Providing and fixing plain G.I. sheet lining with butt jointing and wood screws/ nails etc complete. (frame work and cover fillets to be measured and paid for separately.(i) 0.63 mm Thick Sheet  | 33.60 | Sqm. |  |  | Per Square Metre  |  |
| 26 | 15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts (i) 1:6 (1 cement: 6 fine sand)  | 7.90  | Sqm. |  |  | Per Square Metre  |  |
| 27 | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: (i) One or more coats on old work   | 52.95 | Sqm. |  |  | Per Square Metre  |  |

|   |   |       |      |  |  |                  |  |
|---|---|-------|------|--|--|------------------|--|
| 28  | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : (i) W.C. pan with ISI marked white solid plastic seat and lid | 1.00  | No.  |  |  | Each             |  |
| 29  | Providing and fixing corner Type glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.  | 4.00  | No.  |  |  | Each             |  |
| 30  | Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings : (i) Flat back wash basin of size 630x450 mm  | 1.00  | No.  |  |  | Each             |  |
| 31  | Chequered tiles 22 mm thick in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand) : (i) Medium shade pigment using 50% white cement, 50% ordinary cement  | 63.00 | Sqm. |  |  | Per Square Metre |  |
| <b>Conditions:-</b>   |   |       |      |  |  |                  |  |
| Rates should be quoted for all heights including all leads and lifts for internal and external works. |   |       |      |  |  | <b>Total</b>     |  |

- i
- ii Useful materials will be handed over to the Assistant Engineer, Medical College Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-3**



# SCHEDULE OF QUANTITY

Estimated cost: 357327.00  
Earnest Money: 7140.00

Time :- One Month.

Name of work:- S/R to Various residential buildings under division no III Shimla.( SH:- Repair of old soffits , Facia, front and back side of Block No. IV at U.S Club Shimla.)

| Sl. NO. | Sub-Head/Item of work.   | Qty.       | Rate        |          | Unit              | Amount. |
|---------|--|------------|-------------|----------|-------------------|---------|
|         |  |            | In Figures. | In Words |                   |         |
| 1       | 2  | 3          | 4           | 5        | 6                 |         |
| 1       | Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet. including carriage of materials within all leads and lifts   | 20.25 Sqm. |             |          | Per square metre. |         |
| 2       | Providing and fixing MS BP sheet 2.00 mm thick in eaves board /facia/ soffits/ ceiling including cutting fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge ( base members of steel work shall be measured and paid seperately ). | 30.47 Sqm. |             |          | Per square metre. |         |
| 3       | Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses/ Framed work etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete                              | 2467.06 Kg |             |          | Per Kilogramme    |         |
| 4       | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture  | 88.49 Sqm. |             |          | Per square metre  |         |
|         |  |            |             |          | Total             |         |

## **CONDITION**

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Recovery for servicable and unservisable material to be obtained from dismantling i.e. CG/PGI Sheets shall be made .Rs @165/sqmt

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003

# SCHEDULE OF QUANTITY

33

Estimated Cost Rs. :- 201367.00

Earnest Money Rs. :- 4030.00

Time:- One Month.

Name of work: -A/R & M/O to Various residential building under Shimla Division No. III (SH:- Repair of RCC Slab Over Chowkidar room , C/o Kitchen with RCC Slab, Cup Board , Floor and Wall Tiles , 12 mm thick Shuttring ply in ceiling, Painting and Plastring etc in Chowkidar room in Back side of Mudkanda House at Barnes court Shimla)

| Sl. No. | Items of work   | Quantity |         | Rate       |          | Unit.                  | Amount. |
|---------|---|----------|---------|------------|----------|------------------------|---------|
|         |   |          |         | In figures | In words |                        |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.   | 0.34     | Cum     |            |          | Per Cubic Metre        | 0.00    |
| 2       | Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable materials within all leads & lifts as per direction of Engineer-in-charge.   | 1.63     | Cum     |            |          | Per Cubic Metre        | 0.00    |
| 3       | cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer- in-charge  | 16.32    | Sqm     |            |          | Per Square Metre       | 0.00    |
| 4       | scrapping, cleaning and straightening reinforcement from R.C.C. or R.B. work.   | 202.37   | Kg      |            |          | Per Kilogramme         | 0.00    |
| 5       | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge including carriage of materials in all leads and lifts.(i) In cement mortar   | 0.35     | Cum     |            |          | Per Cubic Metre        | 0.00    |
| 6       | Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured):(i) From brick work in cement mortar  | 86.00    | 1000 No |            |          | 1000 Each Per Thousand | 0.00    |
| 7       | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.   | 11.98    | Sqm     |            |          | Per Square Metre       | 0.00    |
| 8       | Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. Ordinary rock including carriage of materials within all leads and lifts. | 0.55     | Cum     |            |          | Per Cubic Metre        | 0.00    |
| 9       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (a) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)   | 1.15     | Cum.    |            |          | Per Cubic Metre        | 0.00    |



|    |   |       |      |  |  |                   |      |
|----|---|-------|------|--|--|-------------------|------|
| 10 | 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)   | 2.13  | Cum  |  |  | Per cubic meter   | 0.00 |
| 11 | Centering and shuttering including strutting, propping etc. and removal of form work including Carriage of materials with in all leads and lifts and as per direction by the Engineer-In-Charge(i) (ii) Suspended floors, roofs, landings, balconies and access platform  | 6.36  | Sqm. |  |  | Per Square Metre  | 0.00 |
| 12 | (ii) Edges of Slabs and Breaks in floors (a) under 20 cm. wide  | 9.05  | Rmt  |  |  | Per Running Metre | 0.00 |
| 13 | Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size).   | 0.71  | Cum  |  |  | Per Cubic Metre   | 0.00 |
| 14 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.(i)Mild steel and Medium Tensile steel bars   | 76.11 | Kg   |  |  | Per Kilogramme    | 0.00 |
| 15 | 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 : (i) Cement mortar 1:4 (1 cement : 4 coarse sand)   | 0.24  | Cum  |  |  | Per Cubic Metre   | 0.00 |
| 16 | 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 in Cement mortar 1:4 (1 cement : 4 coarse sand) including carriage of materials within all leads and lifts.   | 11.62 | Sqm. |  |  | Per Square Metre  | 0.00 |
| 17 | Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.(i) Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble (a) Area of slab upto 0.50 sqm | 1.08  | Sqm. |  |  | Per Square Metre  | 0.00 |
| 18 | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). (i) Second Class Deodar wood  | 0.067 | Cum. |  |  | Per Cubic Metre   | 0.00 |
| 19 | Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position : (i) Rai wood/Kail wood/Chil Wood   | 0.075 | Cum. |  |  | Per Cubic Metre   | 0.00 |
| 20 | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) (a) Second class Deodar wood (i) 40mm thick shutters  | 3.01  | Sqm  |  |  | Per Square Metre  | 0.00 |


|    |   |       |      |  |  |                   |      |
|----|---|-------|------|--|--|-------------------|------|
| 21 | Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws : 35 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size Second class Deodar wood   | 0.62  | Sqm  |  |  | Per Square Metre  | 0.00 |
| 22 | Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).  | 6.00  | No   |  |  | Each              | 0.00 |
| 23 | Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)   | 1.21  | Sqm. |  |  | Per Square Metre  | 0.00 |
| 24 | Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.   | 1.21  | Sqm. |  |  | Per Square Metre  | 0.00 |
| 25 | Providing and fixing 12mm thick Shuttring ply wood Conforming to IS in Plain lining/ Panelling/ under Floors with Necessary Screws/ nuts & Bolts/ Nails and fixed on wooden Frame/ Steel frame ( Frame work Shall be Paid Separately) as per direction of Engineer - in Charge. including carriage of material in all leads and lifts   | 7.38  | Sqm  |  |  | Per Square Metre  | 0.00 |
| 26 | Providing and fixing bright finished brass handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 125mm   | 4.00  | No   |  |  | Each              | 0.00 |
| 27 | Providing and fixing aluminium sliding door 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 nuts and screws etc. complete (i) 250x16mm  | 1.00  | No   |  |  | Each              | 0.00 |
| 28 | 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 (i) 150x10mm  | 8.00  | No   |  |  | Each              | 0.00 |
| 29 | 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 (i) 125mm   | 8.00  | No   |  |  | Each              | 0.00 |
| 30 | Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.   | 12.70 | Rmt. |  |  | Per Running Metre | 0.00 |
| 31 | Providing and fixing magnatic catcher with screws etc. complete including carriage of materials within all leads and lifts.   | 3.00  | No   |  |  | Each              | 0.00 |
| 32 | Providing and fixing M.S. welded mesh 25mm X 25mm X 2mm thick as per approved design complete by welding with electrical plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-I and including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.  | 16.32 | Sqm  |  |  | Per Square Metre  | 0.00 |
| 33 | Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete. | 14.10 | Sqm  |  |  | Per square meter  | 0.00 |



|    |  |       |      |  |  |                   |      |
|----|--|-------|------|--|--|-------------------|------|
| 34 | White glazed tiles 6mm thick of approved size, shade, design and quality in skirting risers of steps and dado 12mm (Twelve milimetre) thick cement mortar 1:3 (One cement is to Three Sand) and jointed with cement slurry including carriage of materials within all leads and lifts.   | 34.11 | Sqm. |  |  | Per square meter  | 0.00 |
| 35 | 15 mm cement plaster on the rough side of single or half brick wall of mix :1:6 (1 cement: 6 fine sand)including carriage of materials within all leads and lifts  | 39.45 | Sqm  |  |  | Per Square Metre  | 0.00 |
| 36 | 6mm Cement plaster to ceiling in Cement Mortar 1:3 (1Cement:3 Sand) including carriage of materials within all leads and lifts.  | 6.36  | Sqm  |  |  | Per Square Metre  | 0.00 |
| 37 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.   | 34.34 | Sqm  |  |  | Per Square Metre  | 0.00 |
| 38 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(I) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre  | 15.76 | Sqm. |  |  | Per Square Metre  | 0.00 |
| 39 | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture   | 15.76 | Sqm. |  |  | Per Square Metre  | 0.00 |
| 40 | Distempering (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth.including Priming coat with distemper primer.including carriage of materials within all leads and lifts. | 7.01  | Sqm. |  |  | Per square metre. | 0.00 |
| 41 | Finishing walls with Acrylic Smooth exterior paint of required shade :(i) New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) including carriage of materials within all leads and lifts   | 15.82 | Sqm  |  |  | Per Square Metre  | 0.00 |
| 42 | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40mm, including painting of fittings and brackets, cutting and making good the walls wherever required :610x460 mm bowl depth 200mm.  | 1.00  | No.  |  |  | Each              | 0.00 |
| 43 | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia  | 1.00  | No   |  |  | Each              | 0.00 |
| 44 | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.(i) Internal work - Exposed on wall (a) 15 mm dia nominal bore   | 12.20 | Rmt  |  |  | Per Running Metre | 0.00 |
| 45 | Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.(i) (i) 15 mm Nominal Bore  | 1.00  | No   |  |  | Each              | 0.00 |
| 46 | Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.   | 1.00  | No   |  |  | Each              | 0.00 |

|                     |   |      |     |  |  |                   |      |
|---------------------|---|------|-----|--|--|-------------------|------|
| 47                  | Providing and fixing Floor Trap type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts. (i) 75mm  | 1.00 | No. |  |  | Each              | 0.00 |
| 48                  | Providing and fixing PVC Finolex type "B" pipes for waste water including filling the joints with approved adhesive and including require No. of collar and clamps etc complete including carriage of materials within all leads and lifts :- (i) 75mm nominal size.  | 3.05 | Rmt |  |  | Per Running Metre | 0.00 |
| 49                  | Providing and fixing 75 mm dia PVC Finolex Plain Bend type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts. (i) 75 mm Nominal Size  | 2.00 | No. |  |  | Each              | 0.00 |
| 50                  | Providing and fixing 75 mm dia PVC Finolex Collar type-B ISI marked including fixing with approved adhesive etc. complete.including carriage of materials within all leads and lifts. (i) 75 mm Nominal Size  | 3.00 | No. |  |  | Each              | 0.00 |
| 51                  | Providing and fixing C.P. grating of approved quality and colour.(i) Circular type 100 mm nominal dia   | 1.00 | No  |  |  | Each              | 0.00 |
| 52                  | Disposal of moorum/ building rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Monicipal dumping ground for lead upto 10km. For lalleasts, complete as per dierection of Engineer- in Charge.Note:-Item to be applicable in urban area having directions for restricted hours movement/ plying of load carring motor vehicle of 3.5 cum. or More. | 2.88 | Cum |  |  | Per cubic meter   | 0.00 |
| <b>Conditions:-</b> |   |      |     |  |  | <b>Total</b>      |      |

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-3.**



SCHEDULE OF QUANTITY

(34)

Estimated cost: 148781.00

Earnest Money: 2980.00

Time :- One Month.

Name of work:- A/R and M/O various residential buildings under division no III Shimla. (SH:-Trimming of grass and disposal of building rubbish from various residential buildings under Benmore Section)

| Sl. NO. | Sub-Head/Item of work.   | Qty.    |      | Rate        |          | Unit.            | Amount. |
|---------|--|---------|------|-------------|----------|------------------|---------|
|         |  |         |      | In Figures. | In Words |                  |         |
| 1       | 2  | 3       |      | 4           | 5        | 6                |         |
| 1       | Trimming of from grass and weeds from the shouldes beams and disposing off the same to suitable location as per technical specifications clause 1914. or complete including carriage of materials within all leads and lifts.  | 1912.50 | Sqm. |             |          | Per Square metre |         |
| 2       | Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more | 186.90  | Cum  |             |          | Per Cubic meter  |         |
|         |  |         |      |             |          | Total            |         |

**CONDITION**

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

  
Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-171003  


**SCHEDULE OF QUANTITY**

Estimated cost:-  
Earnest Money:-  
Time :-

397924.00  
8000.00  
One Month

Name of work:-Special repair to Various residential buildings under Shimla Division No. III (SH:-Providing & fixing Cupboards, shutters, tiles, flooring, painting including sanitary fittings in set No. J-II/72, K-II/76, 31/1TF, 37/14 & 37/12 etc) at Nabha Estate Shimla.


| Sl. No. | Items of work   | Quantity   | Rate       |          | Unit.             | Amount. |
|---------|---|------------|------------|----------|-------------------|---------|
|         |   |            | In figures | In words |                   |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix) including carriage of materials in all leads and lifts.  | 2.96 Cum   |            |          | Per Cubic metre   |         |
| 2       | 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) including carriage of materials within all leads and lifts.   | 2.96 Cum   |            |          | Per Cubic meter   |         |
| 3       | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600x600 mm including carriage of materials within all leads and lifts.  | 29.60 Sqm  |            |          | Per square meter  |         |
| 4       | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 300mm x450mm.  | 42.40 Sqm  |            |          | Per square meter  |         |
| 5       | Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab over 0.50 sqm including carriage of materials in all leads and lifts. | 4.42 Sqm.  |            |          | Per square metre  |         |
| 6       | Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge including carriage of materials in all leads and lifts.   | 6.60 Rmt.  |            |          | Per running metre |         |
| 7       | Providing and fixing 1.50mm thick PVC/ Rubber tiles flooring plain, coloured corbed or mosaic or matted finish of approved brand, colour/pattern laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment complete in all respects as directed by the Engineer-In-Charge including carriage of materials in all leads and lifts.  | 43.89 Sqm  |            |          | Per Square Metre  |         |
| 8       | Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials within all leads and lifts  | 17.06 Sqm. |            |          | Per square metre  |         |
| 9       | Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials within all leads and lifts  | 23.20 Sqm. |            |          | Per square metre  |         |
| 10      | Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc complete. including carriage of materials in all leads and lifts.   | 18.32 Sqm. |            |          | Per square metre  |         |
| 11      | Providing and fixing hard wood square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.   | 80.00 Rmt. |            |          | Per running metre |         |
| 12      | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials within all leads and lifts.   | 20.00 No.  |            |          | Each              |         |
| 13      | Providing and fixing 100mm size bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.   | 30.00 No.  |            |          | Each              |         |
| 14      | Providing and fixing 6 mm thick ply wood ceiling/lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.   | 17.06 Sqm. |            |          | Per Square metre  |         |
| 15      | Providing wood work in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position complete including carriage of materials within all leads and lifts - 2nd class deodar wood   | 0.230 Cum  |            |          | Per cubic meter   |         |
| 16      | Providing and fixing 35mm thick panelled glazed or panelled and glazed shutters for doors windows and clerestory windows including black enamelled iron butt hinges with necessary screws including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.   | 3.48 Sqm   |            |          | Per square meter  |         |



|    |  |            |  |  |                    |
|----|--|------------|--|--|--------------------|
| 17 | Providing and fixing 30mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56 mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws. complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge in 2nd class deodar wood.  | 1.98 Sqm.  |  |  | Per square meter   |
| 18 | Providing and fixing aluminium sliding door 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 nuts and screws etc. complete :-250x16 mm including carriage of materials within all leads and lifts.  | 2.00 No.   |  |  | Each               |
| 19 | 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 including carriage of materials within all leads and lifts.   | 4.00 No.   |  |  | Each.              |
|    | (ii) 150 X10mm size.   | 22.00 No.  |  |  | Each               |
| 20 | 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 including carriage of materials within all leads and lifts.  | 2.00 No.   |  |  | Each               |
|    | (ii)100mm size.  | 11.00 No.  |  |  | Each               |
| 21 | Applying priming coat With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) including carriage of materials within all leads and lifts.   | 36.62 Sqm  |  |  | Per square meter   |
| 22 | 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 including carriage of materials in all leads and lifts.  | 94.86 Sqm. |  |  | Per square meter   |
| 23 | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc External work 15 mm dia nominal bore including carriage of materials within all leads and lifts.   | 19.75 Rmt. |  |  | Per running metre. |
| 24 | Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials in all leads and lifts.  | 6.00 No.   |  |  | Each               |
| 25 | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 15 mm nominal bore including carriage of materials within all leads and lifts.   | 5.00 No.   |  |  | Each               |
| 26 | Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm nominal bore including carriage of materials in all leads and lifts.  | 3.00 No.   |  |  | Each               |
| 27 | Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore including carriage of materials within all leads and lifts.  | 16.00 No.  |  |  | Each               |
| 28 | Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement 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 W.C. pan with ISI marked white solid plastic seat and lid including carriage of materials within all leads and lifts. | 3.00 No.   |  |  | Each               |
| 29 | 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 Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap including carriage of materials within all leads and lifts.   | 2.00 No.   |  |  | Each               |
| 30 | Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore including carriage of materials within all leads and lifts.   | 6.00 No.   |  |  | Each               |
| 31 | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610x460 mm bowl depth 200 mm including carriage of materials within all leads and lifts.  | 2.00 No.   |  |  | Each               |
| 32 | Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials in all leads and lifts.  | 3.00 No.   |  |  | Each               |
| 33 | Providing & fixing 32mm dia. PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.   | 2.00 No.   |  |  | Each               |
| 34 | Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. including carriage of materials in all leads and lifts.   | 2.00 No.   |  |  | Each               |
| 35 | Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. including carriage of materials within all leads and lifts.  | 2.00 No.   |  |  | Each               |

|                    |  |          |  |  |                |  |
|--------------------|--|----------|--|--|----------------|--|
| 6                  | Providing and fixing PVC Finolex type "A" floor trap ISI marked of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete including carriage of materials within all leads and lifts:-110mm X 90mm. | 6.00 No. |  |  | Each           |  |
| 7                  | Providing and fixing C.P soap Dish having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms including carriage of materials within all leads and lifts  | 2.00 No. |  |  | Each           |  |
| 8                  | Providing and fixing 100mm sand CP grating for floor or nahani trap including carriage of materials within all leads and lifts.  | 6.00 No. |  |  | Each           |  |
| <b>CONDITION:-</b> |  |          |  |  | <b>Total:-</b> |  |

- i) Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii) Paint, emulsion, distemper etc. should be of 1st class quality and it should also be got approved from Engineer-in-charge before use.
- iii) Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of Indian standards

  
**Executive Engineer**  
 Shimla Division NO. 11.  
 HP.PWD.Shimla-171003



SCHEDULE OF QUANTITY

(36)

Estimated Cost      243481.00  
 Earnest Money      4870.00  
 Time:-      one month.

Name of work:- Special repair to High court building at Shimla. (SH:- Providing and Fixing Aluminium built up section windows in the office of Hon'ble chief justice.)

| Sl. No.  | Items of work  | Quantity | Rate       |          | Unit. | Amount. |
|--|--|----------|------------|----------|-------|---------|
|  |  |          | In figures | In words |       |         |
| 1  | Providing and fixing at site1 AL01 APC46 casement F 3102w x1700h (56.76 sqfeet) 5-1.52-5 mm lami window complete with all required accessories to complete the work including as per direction of Engineer-in-charge.  | 2.00 No  |            |          | Each  |         |
| 3  | Providing and fixing at site1 AL01 APC46 casement fix 900w x1700h (16.47 sqfeet) 5-1.52-5 mm lami window complete with all required accessories to complete the work including as per direction of Engineer-in-charge. | 1.00 No  |            |          | Each  |         |
|  |  |          |            |          | Total |         |
| Rates should be quoted for all heights including all leads and lifts for internal and external works.  |  |          |            |          |       |         |
| Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards. |  |          |            |          |       |         |

*[Signature]*  
 Executive Engineer,  
 Shimla Division No. III,  
 HP PWD, Shimla-3.

SCHEDULE OF QUANTITY

(37)



Estimated Cost 374104.00  
Earnest Money 7280.00  
Time:- one month.

Name of Work:- S/R to various non residential building under division no III Shimla (SH:- Painting , Polishing and distempering in Court no.2 and 3 at Hon'ble high court building)

| Sl. No. | Items of work   | Quantity |     | Rate       |          | Unit.            | Amount. |
|---------|---|----------|-----|------------|----------|------------------|---------|
|         |   |          |     | In figures | In words |                  |         |
| 1       | Polishing two or more coats with PU polish of required shade on New wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts. | 772.73   | Sqm |            |          | Per square metre |         |
| 2       | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.   | 533.13   | Sqm |            |          | Per square metre |         |
| 3       | Wall painting with plastic emulsion of approved brand and manufacture to give an even shade one or more coats on old work complete including carriage of materials within all leads and lifts.  | 225.48   | Sqm |            |          | Per square metre |         |
| 4       | Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete  | 67.65    | Sqm |            |          | Per square metre |         |
| 5       | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.   | 67.65    | Sqm |            |          | Per square metre |         |
| 6       | 1.50 mm thick pvc/rubber tiles flooring (L.G. Make) plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately)for payment including carriage of materials within all leads and lifts.                    | 32.70    | Sqm |            |          | Per square metre |         |
| 7       | Rubbing and Polishing of Kota/Marbl stone /granite stone flooringand skirtingetc with required equipment/materials  | 8.74     | Sqm |            |          | Per square metre |         |

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.

  
Executive Engineer,  
Shimla Division No. III,  
HR, PWD, Shimla-3.  




SCHEDULE OF QUANTITY

38

Estimated Cost 211114.00

Earnest Money 4220.00

Time:- one Month

Name of work:- A/R and M/O Council Chamber building at Vidhan Sabha (SH:- Painting and Distempering outside)

| Sl. No.  | Items of work   | Quantity |      | Rate       |          | Unit.             | Amount. |
|--|---|----------|------|------------|----------|-------------------|---------|
|  |   |          |      | In figures | In words |                   |         |
| 1  | Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials in all leads and lifts.  | 379.82   | Sqm. |            |          | Per square metre. |         |
| 2  | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials within all leads and lifts.  | 379.82   | Sqm  |            |          | Per square metre  |         |
| 3  | Finishing walls with Acrylic Smooth exterior paint of required shade :on old work (Two or more coat applied complete including carriage of materials within all leads and lifts.  | 1899.08  | Sqm  |            |          | Per Square metre  |         |
| 4  | Painting wood work with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials within all leads and lifts.   | 244.50   | Sqm  |            |          | Per square metre  |         |
| 5  | Painting Steel work with Deluxe Multi Surface Paint to give an even shade.one or more coat applied of approved brand and manufacture including carriage of material within all leads and lifts as per direction of Engineer-in-charge.  | 233.78   | Sqm  |            |          | Per square metre  |         |
| 6  | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade one or more coats on old work complete including carriage of materials within all leads and lifts.  | 61.92    | Sqm  |            |          | Per square metre  |         |
| 7  | Dismantling tile work in floors and roofs laid in cement mortar including stacking material complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge:- For thickness of tiles 10 mm to 25 mm.   | 12.34    | Sqm  |            |          | Per square metre  |         |
| 8  | Kota stone slab flooring 20 mm (average) thick base of cement mortar 1:4 (1 cement :4 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab. Including rubbing and polishing complete including carriage of materials in all leads and lifts..25 mm thick.  | 12.34    | Sqm  |            |          | Per square metre  |         |
| 9  | Precast plain chequered tiles hydraulic compressed 22 mm thick laid in floors, treads of steps and landings on a bed of 25 mm average thickness of cement mortar 1:6 (1 cement :6 sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles (wherever required) complete with tiles of medium shades.including carriage of materials within all leads and lifts. | 2.82     | Sqm  |            |          | Per square metre  |         |
|  |   |          |      |            |          | Total             |         |
| Condition:-  |   |          |      |            |          |                   |         |
| Rates should be quoted for all heights including all leads and lifts for internal and external works.  |   |          |      |            |          |                   |         |
| Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards. |   |          |      |            |          |                   |         |

Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3

*[Signature]*

SCHEDULE OF QUANTITY

39

Estimated Cost Rs. :- 371027.00

Earnest Money Rs. :- 7430.00

Time:- One Month.

**Name of work: -Special repair to Residential Building under Shimla Division No.III (SH:- providing and fixing prepainted sheet sun shade over window, wooden brackets and planks under prepainted sheet in place of Damaged wooden Sun Shade in set No.9 to 16 Block-B of Transit Accommodation at Jakhoo Shimla )**

| Sl. No. | Items of work   | Quantity |     | Rate       |          | Unit.            | Amount. |
|---------|---|----------|-----|------------|----------|------------------|---------|
|         |   |          |     | In figures | In words |                  |         |
| 1       | 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   | 2.00     | No. |            |          | Each             |         |
| 2       | Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.   | 51.84    | Sqm |            |          | Per Square Metre |         |
| 3       | Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc including carriage of materials within all leads and lifts in second class deodar wood.  | 0.323    | Cum |            |          | Per Cubic Metre  |         |
| 4       | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately. all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) (i) Second class Deodar wood (a) 35 mm thick shutters | 2.70     | Sqm |            |          | Per Square Metre |         |
| 5       | Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws :with ISI marked M.S. pressed butt hinges bright finished of required size (i) Second class Deodar wood (a) 35 mm thick shutters  | 1.85     | Sqm |            |          | Per Square Metre |         |
| 6       | 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 : (i) 150x10mm   | 6.00     | No. |            |          | Each             |         |
| 7       | 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 : (i) 125mm   | 8.00     | No. |            |          | Each             |         |
| 8       | Providing and fixing aluminium sliding door 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 nuts and screws etc. complete : (i) 250x16mm  | 1.00     | No. |            |          | Each             |         |
| 9       | Providing and fixing wooden plank ceiling with tongued and grooved jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of material within all leads and lifts.  | 51.84    | Sqm |            |          | Per Square Metre |         |



|                     |   |        |      |  |  |                   |  |
|---------------------|---|--------|------|--|--|-------------------|--|
| 10                  | Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. | 47.16  | Sqm  |  |  | Per Square Metre  |  |
| 11                  | Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.60 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 1518 microns using self drilling/ self tapping screws complete : (i) Ridges plain (500 - 600mm)  | 10.80  | Rmt. |  |  | Per Running Metre |  |
| 12                  | Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.60 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : (i) Flashings/ Aprons. (Upto 600 mm)  | 42.60  | Rmt. |  |  | Per Running Metre |  |
| 13                  | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content. (i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre  | 127.18 | Sqm  |  |  | Per Square Metre  |  |
| 14                  | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture  | 127.18 | Sqm  |  |  | Per Square Metre  |  |
| 15                  | Renewing glass panes, with putty and nails wherever necessary including racking out the old putty::including carriage of materials with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge. (i) Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)  | 17.56  | Sqm  |  |  | Per Square Metre  |  |
| 16                  | Providing Scaffolding for all kind of works in Multistory Building up to all floor hight/ levels Bamboo complete tiled with rope on joints and pedistal of CGI Sheet etc. in all respect including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.   | 160.20 | Sqm  |  |  | Per Square Metre  |  |
| <b>Conditions:-</b> |   |        |      |  |  | <b>Total</b>      |  |

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

iv Recovery of usefull material i.e Fuel wood @ 24 Quintel recovered from site will be charged / deducted from contractor @ Rs. 500.00 Per Quintel

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.

**SCHEDULE OF QUANTITY**

*Up*

Estimated Cost 114071.00  
Earnest Money 2280.00  
Time:- one Month

Name of work:- A/R and M/O various residential buildings under division no III Shimla. (SH:- Steel work in staircase in out house of Curzon House Building etc)

| Sl. No.  | Items of work   | Quantity |      | Rate       |          | Unit             | Amount. |
|--|---|----------|------|------------|----------|------------------|---------|
|  |   |          |      | In figures | In words |                  |         |
| 1  | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, including carriage of materials within all leads and lifts:- All kinds of soil. | 1.40     | Cum. |            |          | Per cubic metre. |         |
| 2  | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (i) 1:3:6 (1 Cement : 3 coarse sand): 6 graded stone aggregate 40mm nominal size) including carriage of materials within all leads and lifts.   | 2.28     | Cum. |            |          | Per cubic metre. |         |
| 3  | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.  | 819.05   | Kgs  |            |          | Per Kilogram me  |         |
| 4  | Providing and fixing M.S. welded mesh 25mm X 25mm X 3mm thick as per approved design complete by welding with electrical plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-I and including carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge.                                  | 12.21    | Sqm  |            |          | Per square metre |         |
| 5  | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture ncluding carriage of materials within all leads and lifts.   | 48.03    | Sqm  |            |          | Per square metre |         |
|  |   |          |      |            |          | Total            |         |
| Condition:-  |   |          |      |            |          |                  |         |
| Rates should be quoted for all heights including all leads and lifts for internal and external works.  |   |          |      |            |          |                  |         |
| Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards. |   |          |      |            |          |                  |         |

**Executive Engineer,  
Shimla Division No. III,  
HP. PWD. Shimla-3.**

*[Signature]*



# SCHEDULE OF QUANTITY

41

Estimated Cost Rs. :- 396096.00

Earnest Money Rs. :- 7930.00

Time:- One Month.

**Name of work: -Special repair to Residential Building under Shimla Division No.III (SH:- providing and fixing preapainted sheet sun shade over window, wooden brackets and planks under preapainted sheet in place of Damaged wooden Sun Shade in set No.1 to 8 Block-A of Transit Accommodation at Jakhoo Shimla )**

| Sl. No. | Items of work  | Quantity |      | Rate       |          | Unit.             | Amount. |
|---------|--|----------|------|------------|----------|-------------------|---------|
|         |  |          |      | In figures | In words |                   |         |
| 1       | Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.  | 65.52    | Sqm  |            |          | Per Square Metre  |         |
| 2       | Providing and fixing wooden plank ceiling with tongued and grooved jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of material within all leads and lifts (i) 20mm Thick   | 65.52    | Sqm  |            |          | Per Square Metre  |         |
| 3       | Providing and fixing preapainted galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. | 73.71    | Sqm  |            |          | Per Square Metre  |         |
| 4       | Providing and fixing preapainted galvanised steel sheet roofing accessories 0.60 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 1518 microns using self drilling/ self tapping screws complete : (i) Ridges plain (500 - 600mm)  | 21.60    | Rmt. |            |          | Per Running Metre |         |
| 5       | Providing and fixing preapainted galvanised steel sheet roofing accessories 0.60 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : (i) Flashings/ Aprons. ( Upto 600 mm)   | 55.80    | Rmt. |            |          | Per Running Metre |         |
| 6       | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre  | 144.14   | Sqm  |            |          | Per Square Metre  |         |
| 7       | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture   | 144.14   | Sqm  |            |          | Per Square Metre  |         |

|   |  |        |     |  |  |  |                  |  |
|---|--|--------|-----|--|--|--|------------------|--|
| 6 | Providing Scaffolding for all kind of works in Multistory Building up to all floor height/ levels Bamboo complete tiled with rope on joints and pedestal of CGI Sheet etc. in all respect including carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge. | 122.85 | Sqm |  |  |  | Per Square Metre |  |
|   | <b>Conditions:-</b>  |        |     |  |  |  |                  |  |
|   |  |        |     |  |  |  | <b>Total</b>     |  |

- I Rates should be quoted for all heights including all leads and lifts for internal and external works*
- II Useful materials will be handed over to the Assistant Engineer, Sub Division No V, HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged*
- III Sample of all Materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should conform to bureau of Indian standards*
- IV Recovery of useful material i.e Fuel wood 5.36 Quintal recovered from site will be charged / deducted from contractor @ Rs. 500.00 Per Quintal*

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-2



# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 499504.00  
Earnest Money Rs. :- 10000.00

Time:- One Month.

**Name of work: - Special repair to Principal office at IGMC Shimla(SH:- Construction of Toilets for staff of Additional Director at First Floor)**

| Sl. No. | Items of work  | Quantity  | Rate       |          | Unit.            | Amount. |
|---------|--|-----------|------------|----------|------------------|---------|
|         |  |           | In figures | In words |                  |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.  | 0.32 Cum  |            |          | Per Cubic Metre  |         |
| 2       | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.(i) All kind of Soil                                    | 1.13 Cum  |            |          | Per Cubic Metre  |         |
| 3       | 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 20mm nominal size) complete within carriage of material in all leads and lifts.   | 1.13 Cum  |            |          | Per Cubic Metre  |         |
| 4       | Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand) : 3 graded stone aggregate 20 mm nominal size). | 1.89 Cum  |            |          | Per Cubic Metre  |         |
| 5       | Centering and shuttering including strutting, propping etc. and removal of form for all heights :(i) Suspended floors, roofs, landings, balconies and access platform  | 15.75 Sqm |            |          | Per Square Metre |         |
| 6       | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.(i)Thermo-Mechanically Treated bars of grade Fe-500D or more.  | 170.10 Kg |            |          | Per Kilogramme   |         |
| 7       | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge including carriage of materials in all leads and lifts.(i) In cement mortar  | 2.24 Cum  |            |          | Per Cubic Metre  |         |
| 8       | 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) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.  | 30.88 Sqm |            |          | Per Square metre |         |

|    |  |         |      |  |  |                  |  |
|----|--|---------|------|--|--|------------------|--|
| 9  | 15 mm cement plaster on the rough side of single or half brick wall of mix including carriage of materials in all leads and lifts.(i) 1:6 (1 cement: 6 fine sand)  | 61.76   | Sqm. |  |  | Per Square Metre |  |
| 10 | Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.(i) 12 mm cement plaster   | 15.75   | Sqm. |  |  | Per Square Metre |  |
| 11 | Providing wood work in frames of false ceiling, partition etc. sawn and and putup in position including carriage of materials within all leads and lifts. Second class Deodar wood.  | 0.130   | Cum  |  |  | Per Cubic Metre  |  |
| 12 | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)(i) Second class Deodar wood (a) 35mm thick shutters              | 3.88    | Sqm. |  |  | Per Square Metre |  |
| 13 | Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16 mm.   | 2.00    | No.  |  |  | Each             |  |
| 14 | Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :(i) 200x10mm   | 4.00    | No.  |  |  | Each             |  |
| 15 | Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :(i) 150x10mm   | 4.00    | No.  |  |  | Each             |  |
| 16 | Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :(i) 125mm   | 8.00    | No.  |  |  | Each             |  |
| 17 | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete including carriage of materials within all leads and lifts.   | 1280.00 | Kg   |  |  | Per kilogramme   |  |
| 18 | Providing and fixing M.S. BP sheet 2.00 mm thick in eaves board/facia/soffits/ceiling including cutting , fixing and welding to steel roof member and applying a coat of red lead of primer complete in all respect as per directions of the Engineer-in-Charge.including entire carriage of materials in all leads and lifts  | 14.73   | Sqm  |  |  | Per square metre |  |
| 19 | Providing and fixing M.S welded mesh 25mmx25mmx3mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-1 including carriage of materials up to all leads and lifts.   | 41.97   | Sqm  |  |  | Per Square Metre |  |
| 20 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.(i) Size of Tile 500x500 mm | 5.96    | Sqm  |  |  | Per Square Metre |  |



|    |   |       |     |  |  |                   |  |
|----|---|-------|-----|--|--|-------------------|--|
| 21 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joint with white cement & matching pigments etc. complete  | 32.29 | Sqm |  |  | Per Square Metre  |  |
| 22 | Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. | 16.10 | Sqm |  |  | Per Square Metre  |  |
| 23 | Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : (i) Ridges plain (500 - 600mm)  | 3.50  | Rmt |  |  | Per Running meter |  |
| 24 | Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours (The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.)  | 15.65 | Sqm |  |  | Per square meter  |  |
| 25 | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid   | 2.00  | No. |  |  | Each              |  |
| 26 | Providing and fixing wash basin with single hole 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: (i) White Vitreous China Wash basin size 630x450 mm with 15 mm C.P. brass pillar tap including carriage of materials within all leads and lifts.   | 1.00  | No. |  |  | Each              |  |
| 27 | Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings including carriage of materials within all leads and lifts.   | 1.00  | No. |  |  | Each              |  |

|    |   |       |      |  |  |                   |  |
|----|---|-------|------|--|--|-------------------|--|
| 28 | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia   | 1.00  | No.  |  |  | Each              |  |
| 29 | Providing and fixing C.P. grating of approved quality and colour. Circular type (i) 100 mm nominal dia  | 5.00  | No.  |  |  | Each              |  |
| 30 | Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.  | 1.00  | No.  |  |  | Each              |  |
| 31 | Providing and fixing 15mm dia C.P. brass bib tap with capstan head including C.P. flange and carriage of materials within all leads and lifts.  | 4.00  | No.  |  |  | Each              |  |
| 32 | Providing and fixing 15mm nominal bore C.P. brass angle valve of approved quality conforming to IS:8931 complete including carriage of materials within all leads and lifts.  | 8.00  | No.  |  |  | Each              |  |
| 33 | Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.  | 2.00  | Nos. |  |  | Each              |  |
| 34 | Providing and Fixing Cromium Plated Glass Shelf with necessary screws and nials includin carriage of Material with in all Leads and lifts.  | 3.00  | Nos. |  |  | Each              |  |
| 35 | Providing and fixing uplasticised PVC connection pipe with brass unions :45 cm length (i) 15 mm Nominal Bore  | 8.00  | No   |  |  | Each              |  |
| 36 | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.(a) Internal work - Exposed on wall (i)15 mm dia nominal bore   | 34.40 | Rmt. |  |  | Per Running Metre |  |
| 37 | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : (i) 15 mm Nominal Bore  | 6.00  | No.  |  |  | Each              |  |
| 38 | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :(i) 15 mm Nominal Size   | 2.00  | No   |  |  | Each              |  |
| 39 | Providing and fixing 110 mm dia pipes on wall face PVC Finolex type-B spigot,socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts(i) 110mm Nominal Dia | 20.00 | Rmt. |  |  | Per Running Metre |  |
| 40 | Providing and fixing PVC (Finolex) plain bend Type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110 mm dia.  | 7.00  | No.  |  |  | Each              |  |
| 41 | Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10mm gap for thermal expansion:- Single tee without door 110x110x110mm.          | 1.00  | No.  |  |  | Each              |  |



|                     |  |         |       |  |  |                  |  |
|---------------------|--|---------|-------|--|--|------------------|--|
| 42                  | Providing and fixing 600mm X 20mm size C.P. brass towel rail (heavy duty ISI marked IS:8931 & 8934) complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.   | 2.00    | No.   |  |  | Each             |  |
| 43                  | Providing and fixing PVC floor trap of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete. 110 mm X 90 mm.  | 5.00    | No.   |  |  | Each             |  |
| 44                  | Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support i/c fittings & fixtures for tank shall be paid separately. including carriage of materials within in all leads and lifts complete in all respect as per the direction of Engineer - in Charge. | 2000.00 | Litre |  |  | Per Litre        |  |
| 45                  | 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 : (i) One urinal basin with 5 litre white P.V.C. automatic flushing cistern       | 1.00    | No.   |  |  | Each             |  |
| 46                  | Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) including carriage of materials within all leads and lifts.  | 19.63   | Sqm.  |  |  | Per square metre |  |
| 47                  | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.   | 19.63   | Sqm   |  |  | Per Square Metre |  |
| 48                  | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade (i) : Two or more coats on new work   | 60.38   | Sqm   |  |  | Per Square Metre |  |
| 49                  | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: (i) One or more coats on old work   | 15.75   | Sqm   |  |  | Per Square Metre |  |
| 50                  | Providing and fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete including carriage of materials in all leads and lifts:- with 4.00mm thick glass panes.  | 3.60    | Sqm   |  |  | Per Square Metre |  |
| <b>Conditions:-</b> |  |         |       |  |  | <b>Total</b>     |  |

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3

**SCHEDULE OF QUANTITY**

43

Estimated Cost Rs. :- 215949.00

Earnest Money Rs. :- 4320.00

Time:- One Month.

**Name of work: -A/R & M/O to Various residential building under Shimla Division No. III (SH:- Repair of Residential Quarters I-1 Ground Floor , Type-III in Knolls wood at Nigam Vihar Shimla-2)**

| Sl. No. | Items of work   | Quantity |      | Rate       |          | Unit.            | Amount. |
|---------|---|----------|------|------------|----------|------------------|---------|
|         |   |          |      | In figures | In words |                  |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)including carriage of materials within all leads and lifts.   | 3.06     | Cum  |            |          | Per Cubic Metre  |         |
| 2       | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.   | 33.18    | Sqm  |            |          | Per Square Metre |         |
| 3       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)   | 1.53     | Cum  |            |          | Per Cubic Metre  |         |
| 4       | Providing and laying Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete within carriage of material in all leads and lifts. | 3.43     | Sqm  |            |          | Per Square Metre |         |
| 5       | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete(i) Size of Tile 600x600 mm   | 57.65    | Sqm. |            |          | Per Square Metre |         |
| 6       | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete(i) Size of Tile 600x600 mm                                    | 33.18    | Sqm  |            |          | Per Square Metre |         |



|    |   |        |      |  |  |                   |  |
|----|---|--------|------|--|--|-------------------|--|
| 7  | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.(i) Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent. | 2.69   | Sqm  |  |  | Per Square Metre  |  |
| 8  | Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.   | 102.84 | Sqm  |  |  | Per square meter. |  |
| 9  | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.  | 102.84 | Sqm  |  |  | Per square meter  |  |
| 10 | Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)  | 205.67 | Sqm  |  |  | Per square meter  |  |
| 11 | 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 on Steel Surfaces complete including carriage of materials within all leads and lifts.  | 28.31  | Sqm  |  |  | Per square meter  |  |
| 12 | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.(a) Internal work - Exposed on wall (i) 15 mm dia nominal bore  | 12.00  | Rmt. |  |  | Per Running Metre |  |
| 13 | Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore including carriage of materials within all leads and lifts.   | 8.00   | Nos. |  |  | Each              |  |
| 14 | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.  | 1.00   | No.  |  |  | Each              |  |
| 15 | 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: including carriage of materials within all leads and lifts. (i) White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps (i) Somany Make  | 1.00   | No.  |  |  | Each              |  |
| 16 | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required (i) Kitchen sink without drain board 610x510 mm bowl depth 200 mm   | 1.00   | No.  |  |  | Each              |  |

|    |   |      |     |  |  |                   |  |
|----|---|------|-----|--|--|-------------------|--|
| 17 | Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials within all leads and lifts.                                   | 1.00 | No. |  |  | Each              |  |
| 18 | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia   | 2.00 | No  |  |  | Each              |  |
| 19 | Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. including carriage of materials within all leads and lifts complete. (i) 15mm dia   | 4.00 | No. |  |  | Each              |  |
| 20 | Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials within all leads and lifts. (i) 15 mm Nominal bore  | 7.00 | No. |  |  | Each              |  |
| 21 | Providing and fixing brass stop cock of approved quality including carriage of Material with in all leads and lifts as per direction of Engineer- in -Charge::(i) 20mm Nominal bore   | 2.00 | No  |  |  | Each              |  |
| 22 | Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.  | 8.00 | No  |  |  | Each              |  |
| 23 | Providing and fixing C.P. grating of approved quality and colour.(i) Circular type 100 mm nominal dia   | 4.00 | No  |  |  | Each              |  |
| 24 | Providing and fixing high pressure PVC Finolex Type-A spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete. including Carriage of materials upto all leads and lifts and as per the direction of Engineer-in-Charge.. (i) 110 mm | 7.40 | Rmt |  |  | Per Running Metre |  |
| 25 | Providing and fixing PVC Finolex Type A collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.   | 2.00 | No  |  |  | Each              |  |
| 26 | Providing and fixing PVC finolex type A single equal branch ( Tee) without door ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.   | 1.00 | No  |  |  | Each              |  |
| 27 | Providing and fixing PVC (Finolex) plain bend Type-A ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110 mm dia.   | 2.00 | No. |  |  | Each              |  |
| 28 | Providing and fixing PVC floor trap of self cleaning design including fixing with approved adhesive, cost of cutting and making good the wall and floors etc. complete.110 mm X 90 mm.  | 2.00 | No. |  |  | Each              |  |





|                     |   |      |     |  |  |                 |  |
|---------------------|---|------|-----|--|--|-----------------|--|
| 29                  | Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owener of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required).The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of diisposal shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineeer-in-Charge. | 1.16 | Cum |  |  | Per Cubic Metre |  |
| <b>Conditions:-</b> |   |      |     |  |  | <b>Total</b>    |  |

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla** 

**SCHEDULE OF QUANTITY**

44

Estimated Cost Rs. :- 467855.00

Earnest Money Rs. :- 9360.00

Time:- One Month.

**Name of work: - S/R to Block B at IGMC Shimla.(SH:- P/F 3mm thick polycarbonate corrugal sheet roofing, Steel work etc. over Emergency floor Rd 0/00 to 0/017.)**

| Sl. No. | Items of work  | Quantity |      | Rate       |          | Unit.             | Amount. |
|---------|--|----------|------|------------|----------|-------------------|---------|
|         |  |          |      | In figuers | In words |                   |         |
| 1.00    | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within all lead as per direction of Engineer-in-charge. (i) In Cement mortar  | 1.00     | Cum. |            |          | Per Cubic Metre   |         |
| 2.00    | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)   | 1.00     | Cum. |            |          | Per Cubic Metre   |         |
| 3.00    | Providing and fixing 3mm thick polycarbonate corrugal sheet roofing. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 4.50 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5mm x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required complete within carriage of material in all leads and lifts. | 76.50    | Sqm. |            |          | Per Square Metre  |         |
| 4.00    | Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. including carriage of materials within all leads and lifts. (i) Hot finished welded type tubes   | 2142.00  | Kg   |            |          | Per Kilogram me   |         |
| 5.00    | Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete(i) Flashings/ Aprons. ( Upto 600 mm).   | 17.00    | Rmt. |            |          | Per Running Metre |         |
| 6.00    | Providing and fixing M.S. BP sheet up to 2.00 mm thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof member and applying a coat of red lead of primer complete in all respect as per directions of the Engineer-in-Charge including entire carriage of materials in all leads and lifts   | 3.00     | Sqm  |            |          | Per square metre  |         |
| 7.00    | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture  | 5.00     | Sqm  |            |          | Per square metre  |         |



|                     |   |      |     |  |  |                 |  |
|---------------------|---|------|-----|--|--|-----------------|--|
| 00                  | Disposal of moorum / Building rubbish/ Malba/ Similar unserviceable , dismantled or waste material by mechanical Transport including loading, trnasporting, unloading to approved municipal dumping ground for lead up to 10.0 Km. for all leafs, Complete as per directions of Engineer-in- Charge Note:- Item to be applicable in urban Areas having directions for restricted hours for movement/ plying of load Carrying motor vehicle of 3.5 Cum. or More. | 0.50 | Cum |  |  | Per Cubic Metre |  |
| <b>Conditions:-</b> |   |      |     |  |  | <b>Total</b>    |  |

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.

Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-3**

**SCHEDULE OF QUANTITY**

45

Estimated Cost Rs. :- 395193.00

Earnest Money Rs. :- 7910.00

Time:- One Month.

Name of work: -A/R & M/O to Medical College at IGM. Shimla (SH:- Dismantling Tiles, Steel Painting , Cup Board , Paneling etc. in Anatomy Department ) ( Balance Work)

| Sl. No. | Items of work   | Quantity   | Rate       |          | Unit.            | Amount. |
|---------|---|------------|------------|----------|------------------|---------|
|         |   |            | In figures | In words |                  |         |
| 1       | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In beams joists, chanel, angles, tees, flats with connection plates or angle cleats as in main and cross beams, hip and jack rafter, purlins connected to common rafters and the like including carriage of materials in all leads and lifts.               | 549.39 Kg  |            |          | Per Kilogramme   |         |
| 2       | Providing and fixing M.S welded mesh 25mmx25mmx3mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-1 including carriage of materials up to all leads and lifts.  | 25.32 Sqm  |            |          | Per Square Metre |         |
| 3       | Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with 5.5 mm thick glass panes.  | 113.77 Sqm |            |          | Per Square Metre |         |
| 4       | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.  | 67.92 Sqm  |            |          | Per Square Metre |         |
| 5       | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade (i) :Two or more coats on new work   | 16.84 Sqm  |            |          | Per Square Metre |         |
| 6       | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:(i)One or more coats on old work  | 999.10 Sqm |            |          | Per Square Metre |         |
| 7       | Polishing two or more coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.Two or more coats on new works including a coat of wood filler   | 40.00 Sqm  |            |          | Per Square Metre |         |
| 8       | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture   | 25.32 Sqm  |            |          | Per square metre |         |
| 9       | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete(i) Size of Tile 600x600 mm | 41.15 Sqm. |            |          | Per Square Metre |         |





**SCHEDULE OF QUANTITY**

46

Estimated Cost Rs. :- 469000.00

Earnest Money Rs. :- 9380.00

Time:- One Month.

**Name of work: - S/R to Block B at IGMC Shimla.(SH:- P/F 3mm thick polycarbonate corrugal sheet roofing, Steel work etc. over Emergency floor Rd 0/017 to 0/034.)**

| Sl. No. | Items of work  | Quantity |      | Rate       |          | Unit.             | Amount. |
|---------|--|----------|------|------------|----------|-------------------|---------|
|         |  |          |      | In figures | In words |                   |         |
| 1.00    | Providing and fixing 3mm thick polycarbonate corrugal sheet roofing. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 4.50 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5mm x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required complete within carriage of material in all leads and lifts. | 76.50    | Sqm. |            |          | Per Square Metre  |         |
| 2.00    | Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete, including carriage of materials within all leads and lifts.(i) Hot finished welded type tubes  | 2142.00  | Kg   |            |          | Per Killogram me  |         |
| 3.00    | Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete(i) Flashings/ Aprons.( Upto 600 mm).  | 17.00    | Rmt. |            |          | Per Running Metre |         |
| 4.00    | Providing and fixing M.S welded mesh 50mmx25mmx3mm thick as per approved design welding with electric plant complete including applying priming coat of red lead paint as per HP.PWD. Specification 1990 Volume-1 including carriage of materials up to all leads and lifts.   | 5.00     | Sqm. |            |          | Per Square Metre  |         |
| 5.00    | Providing and fixing M.S. BP sheet up to 2.00 mm thick in eaves board/facia/soffits/ceiling including cutting , fixing and welding to steel roof member and applying a coat of red lead of primer complete in all respect as per directions of the Engineer-in-Charge.including entire carriage of materials in all leads and lifts  | 3.00     | Sqm  |            |          | Per square metre  |         |



|      |   |      |     |  |  |  |                  |  |
|------|---|------|-----|--|--|--|------------------|--|
| 6.00 | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture | 5.00 | Sqm |  |  |  | Per square metre |  |
|      | <b>Conditions:-</b>   |      |     |  |  |  | <b>Total</b>     |  |

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Medical College Sub Division HPPWD, Shimla-1 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
**Executive Engineer**  
 Shimla Division No.III  
 HP. PWD. Shimla-3

SCHEDULE OF QUANTITY

47

Estimated Cost Rs. :- 72113.00

Earnest Money Rs. :- 1450.00

Time:- One Month.

Name of work: -A/R & M/O to Various residential building under Shimla Division No. III (SH:- Providing and Fixing of Door shutters, Cup Boards, Painting and Distempering etc. Block- I Type-III Qtrs Set No.3 of Knols wood Shimla-2)

| Sl. No. | Items of work  | Quantity   | Rate       |          | Unit.             | Amount. |
|---------|--|------------|------------|----------|-------------------|---------|
|         |  |            | In figures | In words |                   |         |
| 1       | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) (i) Second Class Deodar wood (a) 35mm Thick Shutters | 1.80 Sqm.  |            |          | Per Square Metre  |         |
| 2       | Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)  | 4.74 Sqm.  |            |          | Per Square Metre  |         |
| 3       | Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)  | 11.84 Sqm. |            |          | Per Square Metre  |         |
| 4       | Providing and fixing 6mm thick ply wood lining with but jointing and nails(frame work and cover fillets to be measured and paid for separately.  | 6.89 Sqm.  |            |          | Per Square Metre  |         |
| 5       | Providing and fixing 0.80 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.  | 12.12 Sqm. |            |          | Per Square Metre  |         |
| 6       | Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.   | 29.50 Rmt. |            |          | Per Running Metre |         |
| 7       | Providing and fixing aluminium sliding door 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 nuts and screws etc. complete (i) 250x16mm   | 1.00 No    |            |          | Each              |         |
| 8       | 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 :(i) 150x10mm   | 2.00 No    |            |          | Each              |         |
| 9       | 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 :(i) 125mm   | 2.00 No    |            |          | Each              |         |
| 10      | Providing and fixing bright finished brass furniture handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 100 mm   | 14.00 No   |            |          | Each              |         |
| 11      | Providing and fixing magnatic catcher with screws etc. complete including carriage of materials within all leads and lifts.  | 14.00 No   |            |          | Each              |         |



|   |  |        |      |  |  |                  |  |
|---|--|--------|------|--|--|------------------|--|
| 12  | Removing dry or oil bound distemper, water proofong cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.                      | 76.93  | Sqm  |  |  | Per Square Metre |  |
| 13  | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge. | 97.94  | Sqm  |  |  | Per Square Metre |  |
| 14  | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(I) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre                                  | 24.61  | Sqm. |  |  | Per Square Metre |  |
| 15  | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture   | 24.61  | Sqm. |  |  | Per Square Metre |  |
| 16  | Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)   | 192.35 | Sqm. |  |  | Per Square Metre |  |
| 17  | 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 on wood surface complete including carriage of materials within all leads and lifts.   | 53.87  | Sqm  |  |  | Per Square Metre |  |
| <b>Conditions:-</b>   |  |        |      |  |  |                  |  |
| i Rates should be quoted for all heights including all leads and lifts for internal and external works.   |  |        |      |  |  |                  |  |
| ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.   |  |        |      |  |  |                  |  |
| iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to buresu of Indian standards. |  |        |      |  |  |                  |  |
|   |  |        |      |  |  | <b>Total</b>     |  |

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla

SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 115660.00

Earnest Money Rs. :- 2320.00


Time :- One Month.

Name of work: -Special Repair to Ellerslie Main Building at HP Secretariat Shimla-2. (SH: -Providing PVC in corridor at 2nd and 3rd floor.)

| Sl. No.      | Items of work   | Quantity   | Rate       |          | Unit.            | Amount. |
|--------------|---|------------|------------|----------|------------------|---------|
|              |   |            | In figures | In words |                  |         |
| 1            | Providing and fixing 1.50mm thick PVC/ rubber tiles flooring of approved. make, plain, coloured corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately) for payment complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts. | 102.08 Sqm |            |          | Per square metre |         |
| 2            | Providing and fixing 2nd class teak wood lipping/ moulded beading or taj beading of size 18X5 mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge.   | 451.07 Rmt |            |          | Per square metre |         |
| Conditions:- |   |            |            |          |                  | Total   |

i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.

ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

  
Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3.



**SCHEDULE OF QUANTITY**

(49)

Estimated Cost Rs. :- 182603.00

Earnest Money Rs. :- 3660.00

Time:- One Month.

**Name of work: - A/R & M/O to Various residential building under Shimla Division No. III (SH:- Repair of Residential Quarters B- 8 Type-IV Third Floor in Knolls wood at Nigam Vihar Shimla-2)**

| Sl. No. | Items of work   | Quantity |      | Rate       |          | Unit.             | Amount. |
|---------|---|----------|------|------------|----------|-------------------|---------|
|         |   |          |      | In figuers | In words |                   |         |
| 1       | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Second class deodar wood 35 mm thick shutters. | 3.60     | Sqm  |            |          | Per Square Metre  |         |
| 2       | Providing and fixing 6mm thick ply wood lining with but jointing and nails(frame work and cover fillets to be mearured and paid for separately.   | 3.42     | Sqm. |            |          | Per Square Metre  |         |
| 3       | Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete)   | 2.27     | Sqm. |            |          | Per Square Metre  |         |
| 4       | Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)   | 6.79     | Sqm. |            |          | Per Square Metre  |         |
| 5       | Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.   | 4.78     | Sqm. |            |          | Per Square Metre  |         |
| 6       | Providing and fixing hard wood plain square edged cover fillets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.  | 22.50    | Rmt. |            |          | Per Running Metre |         |
| 7       | Providing and fixing bright finished brass handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 100 mm  | 7.00     | No   |            |          | Each              |         |
| 8       | Providing and fixing magnatic catcher with screws etc. complete including carriage of materials within all leads and lifts.   | 4.00     | No   |            |          | Each              |         |
| 9       | Providing and fixing aluminium sliding door 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 nuts and screws etc. complete (i) 250x16mm  | 4.00     | No   |            |          | Each              |         |
| 10      | 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 :(i) 150x10mm  | 16.00    | No   |            |          | Each              |         |
| 11      | 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 :(i) 125mm  | 12.00    | No   |            |          | Each              |         |


|    |  |        |      |  |  |  |                   |  |
|----|--|--------|------|--|--|--|-------------------|--|
| 12 | Providing and fixing 150mm thick PVC/ rubber tiles flooring of L.G. make or equivalent plain, coloured corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment(to be measured separately) for payment complete in all respects as directed by the Engineer-in-charge including carriage of materials in all leads and lifts.   | 49.86  | Sqm  |  |  |  | Per Square Metre  |  |
| 13 | Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.  | 2.00   | No   |  |  |  | Each              |  |
| 14 | Providing and fixing 50 mm special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete including carriage of materials in all leads and lifts.   | 8.00   | No   |  |  |  | Each              |  |
| 15 | Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete including carriage of materials in all leads and lifts.   | 6.00   | No   |  |  |  | Each              |  |
| 16 | Removing dry or oil bound distemper, water proofong cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.  | 103.10 | Sqm  |  |  |  | Per Square Metre  |  |
| 17 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer. over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.   | 118.28 | Sqm  |  |  |  | Per Square Metre  |  |
| 18 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre  | 22.38  | Sqm. |  |  |  | Per Square Metre  |  |
| 19 | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture   | 22.38  | Sqm. |  |  |  | Per Square Metre  |  |
| 20 | Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)   | 257.74 | Sqm  |  |  |  | Per square meter. |  |
| 21 | Painting with synthetic enamel paint on previously painted wood or steel surface of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.  | 237.26 | Sqm  |  |  |  | Per Square Metre  |  |
| 22 | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid. | 2.00   | No.  |  |  |  | Each              |  |
| 23 | 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 including carriage of materials within all leads and lifts.  | 2.00   | No.  |  |  |  | Each              |  |

|    |  |       |      |  |  |                   |  |
|----|--|-------|------|--|--|-------------------|--|
| 24 | Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge including carriage of materials within all leads and lifts.  | 2.00  | No.  |  |  | Each              |  |
| 25 | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia  | 3.00  | No   |  |  | Each              |  |
| 26 | Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour:-15mm nominal bore with 45cm length.  | 8.00  | No   |  |  | Each              |  |
| 27 | Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.including carriage of materials within all leads and lifts.  | 3.00  | No.  |  |  | Each              |  |
| 28 | Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.including carriage of materials within all leads and lifts.   | 3.00  | No.  |  |  | Each              |  |
| 29 | Providing and Fixing CP brass towel rod 600mm X 20mm size with bracket including carriage of materials within all leads and lifts.   | 3.00  | Nos. |  |  | Each              |  |
| 30 | Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete : (i) 20 mm dia   | 11.60 | Rmt. |  |  | Per Running Metre |  |
| 31 | Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:including carriage of materials with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge. (i) Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)  | 3.36  | Sqm  |  |  | Per Square Metre  |  |
| 32 | Providing and fixing C.P. grating of approved quality and colour. (i) Circular type 100 mm nominal dia   | 4.00  | No   |  |  | Each              |  |
| 33 | Providing and fixing 15mm dia C.P. brass bib tap with capstan head including C.P. flange and carriage of materials within all leads and lifts.   | 8.00  | No.  |  |  | Each              |  |
| 34 | Providing and fixing C.P. brass angle cock 15mm (fifteen millimetre) nominal bore including carriage of materials within all leads and lifts.  | 12.00 | No.  |  |  | Each              |  |
| 35 | Providing and fixing brass stop cock of approved quality : (i) 15 mm Nominal Bore  | 2.00  | No   |  |  | Each              |  |
| 36 | Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.   | 8.00  | No   |  |  | Each              |  |
| 37 | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. (a) Internal work - Exposed on wall (i)15 mm dia nominal bore   | 12.00 | Rmt. |  |  | Per Running Metre |  |
| 38 | Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes:- 110 mm diameter ncluding carriage of materials upto all leads and lifts by mechanical means and manual labour and as directed by the Engineer in Charge. | 6.00  | Rmt. |  |  | Per Running Metre |  |



|      |   |      |     |  |  |              |  |
|------|---|------|-----|--|--|--------------|--|
| 39   | Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion:- Shoe 110mm | 1.00 | No. |  |  | Each         |  |
| 39.1 | Coupler 110 mm  | 1.00 | No. |  |  | Each         |  |
|      | <b>Conditions:-</b>   |      |     |  |  | <b>Total</b> |  |

- i Rates should be quoted for all heights including all leads and lifts for internal and external works
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No V HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards

  
**Executive Engineer**  
 Shimla Division No.III  
 HP. PWD. Shimla-3

SCHEDULE OF QUANTITY

(50)

Estimated Cost 397475 00  
Earnest Money 7950 00  
Time:- one month.

Name of work:- Special repair to High court building at Shimla. (SH:- Providing and Fixing Aluminium built up section windows in the office of Hon'ble chief justice.)

| Sl. No.  | Items of work   | Quantity | Rate       |          | Unit. | Amount. |
|--|---|----------|------------|----------|-------|---------|
|  |   |          | In figures | In words |       |         |
| 1  | Providing and fixing at site AL01 APC46 casement F 3252wx1700h (59.51 sqfeet) 5-1.52-5 mm lami window complete with all required accessories to complete the work including as per direction of Engineer-in-charge.   | 1.00 No  |            |          | Each  |         |
| 2  | Providing and fixing at site1 AL01 APC46 casement F 4952w x1700h (90.62 sqfeet) 5-1.52-5 mm lami window complete with all required accessories to complete the work including as per direction of Engineer-in-charge. | 1.00 No  |            |          | Each  |         |
| 3  | Providing and fixing at site1 AL01 APC46 casement F 3002w x1700h (54.93sqfeet) 5-1.52-5 mm lami window complete with all required accessories to complete the work including as per direction of Engineer-in-charge.  | 1.00 No  |            |          | Each  |         |
|  |   |          |            |          | Total |         |
| Rates should be quoted for all heights including all leads and lifts for internal and external works.  |   |          |            |          |       |         |
| Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards. |   |          |            |          |       |         |

Executive Engineer,  
Shimla Division No. III,  
HP PWD, Shimla-3.

**SCHEDULE OF QUANTITY**

(51)

Estimated Cost 348735.00  
Earnest Money 6970.00  
Time:- one month.

Name of Work:- S/R to various non residential building under division no III Shimla (SH:- Providing and fixing dice, PVC Flooring and other wood work in court no.1

| Sl. No. | Items of work  | Quantity |      | Rate       |          | Unit               | Amount |
|---------|--|----------|------|------------|----------|--------------------|--------|
|         |  |          |      | In figures | In words |                    |        |
| 1       | Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts  | 94.70    | Sqm. |            |          | Per square metre.  |        |
| 2       | Providing and fixing 19mm thick Commercial Board shutters for cup boards including fixing with nickel plated piano hinges with screws etc complete including carriage of materials within all leads and lifts.   | 1.39     | Sqm. |            |          | Per square metre.  |        |
| 3       | Providing and fixing 1.00mm thick coloured or plain lamination sheet (sunmica) on boards/ply wood sheets with approved adhesive and nails etc. including carriage of materials within all leads and lifts.   | 84.72    | Sqm. |            |          | Per square metre.  |        |
| 4       | Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 6mm thick ply incliding carriage of materials within all leads and lifts.   | 25.50    | Sqm  |            |          | Per Square metre.  |        |
| 5       | Providing and fixing hard wood square edges cover fillets (beading) 19mm x 6mm section including mitring at junctions with wood screws and nails complete including carriage of materials within all leads and lifts.  | 147.83   | Rmt. |            |          | Per running metre. |        |
| 6       | Providing and fixing 100mm bright finished brass handles with screws etc. complete including carriage of materials within all leads and lifts.   | 17.00    | No.  |            |          | Each               |        |
| 7       | Polishing two or more coats with PU polish of required shade on New wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.            | 60.66    | Sqm  |            |          | Per square metre   |        |
| 8       | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately):-D/dar wood.                               | 0.089    | Cum. |            |          | Per cubic metre.   |        |
| 9       | Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- in-charge.  | 11.00    | Pair |            |          | Each               |        |
| 10      | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials within all leads and lifts:- Double strip (horizontal type).  | 5.00     | No   |            |          | Each               |        |
| 11      | Providing and fixing 65x35mm special quality chromium plated brass cup board lock with six leavers including necessary screws etc. complete (Indian make) including carriage of materials in all leads and lifts.  | 5.00     | No   |            |          | Each               |        |
| 12      | Providing and fixing 12mm thk teak wood planks chemically treated ceiling/panelling with tongued and grooved jointing and screws etc. complete.(frame work to be measured and paid for seperatly) including carriage of material in all leads and lift complete as per direction of Engineer-in -Charge. | 2.79     | Sqm  |            |          | Per square metre   |        |



|  |  |       |      |  |  |                   |  |
|--|--|-------|------|--|--|-------------------|--|
| 3  | 1 50 mm thick pvc/rubber tiles flooring (L.G. Make) plain, coloured, corbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment including carriage of materials within all leads and lifts. | 78.70 | Sqm  |  |  | Per square metre  |  |
| 4  | Providing and fixing Aluminium step edging L shape of size 57mmx16mmx3mm (thk) to stair complete including carriage of material within all leads and lifts.  | 2.10  | Rmtr |  |  | Per running metre |  |
|  |  |       |      |  |  |                   |  |
| <p><i>Rates should be quoted for all heights including all leads and lifts for internal and external works.</i></p> <p><i>Sample of all the materials to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards.</i></p> |  |       |      |  |  |                   |  |

Executive Engineer,  
Shimla Division No. III,  
HP PWD, Shimla-3.

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SCHEDULE OF QUANTITY

Estimated Cost Rs. - 400110.00


Earnest Money Rs. - 8010.00

Time - One Month.

Name of work: - A/R and M/O Ellerslie and Armsdale Building at HP Secretrait Shimla. (SH:-Re-aligning of water supply pipe line from Chowk near Governor Rest House 1/584 to 1/980

| Sr. No. | Description of items.   | Quantity | Rate | Unit               | Amount |
|---------|---|----------|------|--------------------|--------|
| 1       | Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within all lead as per direction of Engineer-in-charge :15 mm to 40 mm nominal bore  | 96.00    | Rmt. | Per Running metre  |        |
| 2       | Cutting in earth work in all heights / depths and in all kinds of soil such as kankar, moorum, shingle and decomposed or soft rock and hard rock including their intermediate classification and chiselling / wedging out rock where blasting is prohibited including saturated soil and filling in embankment etc., where necessary and disposal of all excavated un serviceable materials in all leads and lifts including through mechanical transportation, the disposal of unserviceable materials will be done in acquired width of the road or on approved dumping site.   | 135.00   | Cum  | Per cubic metre    |        |
| 3       | Disposal of excavated earth/ dismantling materials by mechanical means upto 10kms on approved dumping site of M.C. Shimla or on arranged by the contractor i.e. through all mode of transportation including head load animal load or mechanical means alongwith transportation of the unuseful material for disposing including payment of prescribed charges of dumping to the owner of dumping site through all modes of transportation including head load animal load or mechanical means alongwith its levelling, fine dressing and to complete the work by mechanized means and labour (if any required) All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/ private property during the courses of execution shall be the absolute responsibility of the contractor which shall have to be dully compensated by him in all respect as per direction of Engineer-in-Charge. | 135.00   | Cum  | Per Cubic metre    |        |
| 4       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.  | 27.00    | Cum. | Per cubic metre.   |        |
| 5       | Providing and fixing holding hooks for G.I. pipes alignment 35cm long and 20cm in round with 12mm dia bar complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.   | 100.00   | No.  | Each               |        |
| 6       | Providing and fixing G.I. pipes complete with G.I. Fittings including trenching and refilling etc including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.(i) 32 mm dia nominal bore  | 54.00    | Rmt. | Per Running metre. |        |
| (ii)    | 40 mm dia nominal bore  | 42.00    | Rmt. | Per Running metre. |        |
| 7       | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. Complete including carriage of materials in all leads and lifts as per the direction of the Engineer-in-Charge.(i) 32 mm dia nominal bore   | 18.00    | No.  | Each               |        |
| (ii)    | 40 mm dia nominal bore  | 18.00    | No.  | Each               |        |

|   |   |      |    |  |  |       |
|---|---|------|----|--|--|-------|
| 8   | Providing and fixing G.I. Elbow in G.I. pipe including cutting and threading the pipe and making long screws etc. complete including carriage of materials within all leads and lifts as per the direction of the Engineer-in-Charge (i) 32 mm dia nominal bore | 1.00 | No |  |  | Each  |
|   | (ii) 40 mm dia nominal bore   | 1.00 | No |  |  | Each  |
| 9   | Providing and fixing 32 mm nominal bore ball valve (brass) of approved quality, High or low pressure, with plastic floats complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge (i) 32 mm dia nominal bore  | 1.00 | No |  |  | Each  |
|   | (ii) 40 mm dia nominal bore   | 1.00 | No |  |  | Each  |
| <b>Conditions:-</b>   |   |      |    |  |  |       |
| i Rates should be quoted for all leads, lifts and all heights irrespective of any floor level etc.  |   |      |    |  |  |       |
| ii Sample of all the materials to be used on work shall be get approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of indian standards. |   |      |    |  |  |       |
|   |   |      |    |  |  | Total |

  
 Executive Engineer  
 Shimla Division No III  
 HP, PWD, Shimla 3



SCHEDULE OF QUANTITY

Estimated cost:-  
Earnest Money:-  
Time :-

496069.00  
9950.00  
One Month

Name of work:-Special repair to DDUZ New hospital building at Shimla. (SH:- Rubbing and polishing of kota stone in duty rooms & corridor area etc) at DDU hospital Shimla.

| Sl. No. | Items of work  | Quantity     | Rate       |          | Unit.            | Amount. |
|---------|--|--------------|------------|----------|------------------|---------|
|         |  |              | In figures | In words |                  |         |
| 1       | Rubbing and polishing of Kota/marble/granite stone flooring and skirting with required equipement/materials as per direction of Engineer-in Charge including carriage of materials within all leads and lifts. | 3543.35 Sqm. |            |          | Per square meter |         |
| Total:- |  |              |            |          |                  |         |

CONDITION:-

1) Rates should be quoted for all heights including all leads and lifts for internal and external works.

Executive Engineer  
Shimla Division NO-HI.  
HP.PWD.Shimla 171003

# SCHEDULE OF QUANTITY

54

Estimated Cost Rs. :- 67284.00

Earnest Money Rs. :- 1350.00

Time:- One Month.

Name of work: -A/R & M/O to Non Residential Building under Shimla Division No.III (SH:- Repair work in Block- -A & Block-B at Engineer -in- Chief office Nirman Bhawan Nigam Vihar shimla-2)

| Sl. No.             | Items of work   | Quantity |      | Rate       |          | Unit.             | Amount. |
|---------------------|---|----------|------|------------|----------|-------------------|---------|
|                     |   |          |      | In figures | In words |                   |         |
| 1                   | Providing and fixing Polyethelene-Aluminium- Polyethelene PE-AL- PE Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with trenching, refilling and testing of joints complete as per direction of the engineer in charge. including carriage of materials within all leads and lifts( External work) (i) 1620 (20 mm OD ) pipe | 60.00    | Rmt. |            |          | Per Running Metre |         |
| 2                   | 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. including carriage of materials within all leads and liftsExternal work (i)20 mm nominal outer dia Pipes  | 35.00    | Rmt. |            |          | Per Running Metre |         |
| 3                   | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. including carriage of materials within all leads and lifts(External work) (i)15 mm dia nominal bore  | 42.70    | Rmt. |            |          | Per Running Metre |         |
| 4                   | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : including carriage of materials within all leads and lifts(i) 15 mm Nominal Size  | 8.00     | No   |            |          | Each              |         |
| 5                   | Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. including carriage of materials within all leads and lifts complete. (i) 15mm dia   | 7.00     | No.  |            |          | Each              |         |
| 6                   | Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 including carriage of materials within all leads and lifts. (i) 15 mm Nominal bore  | 14.00    | No.  |            |          | Each              |         |
| <b>Conditions:-</b> |   |          |      |            |          |                   |         |
|                     |   |          |      |            |          | <b>Total</b>      |         |

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

Executive Engineer  
Shimla Division No.III  
HP. PWD. Shimla-3

SCHEDULE OF QUANTITY

55

Estimated Cost Rs. :- 197010.00

Earnest Money Rs. :- 3950.00

Time:- One Month.

Name of work: -A/R & M/O to Various Residential Building under shimla Division No.III (SH:- providing and Laying Floor and Wall tiles, PGI. Sheet Ceiling, Cup Board, Partition Wall , Painting and Distempering etc in Set No.2 Ground Floor of Attorney Cottage at Barnes court Shimla-2)

| Sl. No. | Items of work   | Quantity |      | Rate       |          | Unit.            | Amount. |
|---------|---|----------|------|------------|----------|------------------|---------|
|         |   |          |      | In figures | In words |                  |         |
| 1       | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:3:6 or richer mix (1/c equivalent design mix)including carriage of materials within all leads and lifts.   | 0.99     | Cum  |            |          | Per Cubic Metre  |         |
| 2       | Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge. Of area 3 sq. metres and below.   | 1.00     | No.  |            |          | Each             |         |
| 3       | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.   | 16.63    | Sqm  |            |          | Per Square Metre |         |
| 4       | Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.   | 16.98    | Sqm  |            |          | Per Square Metre |         |
| 5       | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :(i) 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)   | 0.51     | Cum  |            |          | Per Cubic Metre  |         |
| 6       | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately). (i) Second Class Deodar wood  | 0.073    | Cum  |            |          | Per Cubic Metre  |         |
| 7       | Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position :(i) Rai wood/Kail wood/Chil Wood  | 0.188    | Cum. |            |          | Per Cubic Metre  |         |
| 8       | Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note :- Butt hinges and necessary screws shall be paid separately) (i) Second Class Deodar wood (a) 40mm Thick Shutters | 1.71     | Sqm. |            |          | Per Square Metre |         |
| 9       | Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 14 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws with ISI marked M.S. pressed butt hinges bright finished of required size(i)Second class Deodar wood(a)35 mm thick shutters  | 2.67     | Sqm. |            |          | Per Square Metre |         |
| 10      | Providing and fixing aluminium sliding door 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 nuts and screws etc. complete (i) 250x16mm  | 2.00     | No   |            |          | Each             |         |



|    |   |       |      |  |  |                   |  |
|----|---|-------|------|--|--|-------------------|--|
| 11 | 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 :(i) 150x10mm  | 8.00  | No   |  |  | Each              |  |
| 12 | 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 :(i) 125mm  | 6.00  | No   |  |  | Each              |  |
| 13 | Providing and fixing 9mm thick commercial ply wood ceiling / plain lining of approved quality with necessary screws, nuts & bolts, nails etc complete including carriage of materials within all leads and lifts.   | 19.49 | Sqm  |  |  | Per Square Metre  |  |
| 14 | Providing and fixing 6mm thick ply wood lining with but jointing and nails(frame work and cover fillets to be measured and paid for separately.   | 6.84  | Sqm. |  |  | Per Square Metre  |  |
| 15 | Providing and fixing 19mm thick Commercial Board shutters for Cup boards i/c fixing with nickel plated piano hinges with screws etc complete including carriage of materials in all leads and lifts.  | 5.92  | Sqm. |  |  | Per Square Metre  |  |
| 16 | Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete)   | 14.71 | Sqm. |  |  | Per Square Metre  |  |
| 17 | Providing and fixing 1.00 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.   | 9.55  | Sqm. |  |  | Per Square Metre  |  |
| 18 | Providing and fixing bright finished brass handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 100 mm  | 22.00 | No   |  |  | Each              |  |
| 19 | Providing and fixing magnetic catcher with screws etc. complete including carriage of materials within all leads and lifts.   | 16.00 | No   |  |  | Each              |  |
| 20 | Providing and fixing 0.63 mm thick PGI. Sheet in lining/ceiling with necessary screws/nuts & bolts/ nails and fixed on wooden /steel frame work complete as per direction of Engineer-in- charge (Frame work shall be paid for separately) including carriage of materials within all leads and lifts.  | 16.28 | Sqm. |  |  | Per Square Metre  |  |
| 21 | Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.   | 67.80 | Rmt. |  |  | Per Running Metre |  |
| 22 | Providing and fixing Plain Square edged cover fillets Beading/ Moulding 40x12mm thick in section including fixing with necessary nails and screws etc. Complete(i) Second Class Deodar wood   | 67.80 | Rmt  |  |  | Per Running Metre |  |
| 23 | 15 mm cement plaster on the rough side of single or half brick wall of mix :1:6 (1 cement: 6 fine sand)including carriage of materials within all leads and lifts   | 16.63 | Sqm  |  |  | Per Square Metre  |  |
| 24 | Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete. | 1.68  | Sqm  |  |  | Per square meter  |  |

|    |  |       |      |  |  |                   |  |
|----|--|-------|------|--|--|-------------------|--|
| 25 | Providing and laying vitrified double Charged floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.(i) Size of Tile 600x600 mmx8mm  | 16.98 | Sqm  |  |  | Per square meter  |  |
| 26 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.(i) Size of Tile 600x600 mmx8mm  | 1.22  | Sqm  |  |  | Per square meter  |  |
| 27 | White glazed tiles 6mm thick of approved size, shade, design and quality in skirting risers of steps and dado 12mm (Twelve millimetre) thick cement mortar 1:3 (One cement is to Three Sand) and jointed with cement slurry including carriage of materials within all leads and lifts.  | 7.13  | Sqm. |  |  | Per square meter  |  |
| 28 | Removing dry or oil bound distemper, water proofong cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.  | 11.61 | Sqm  |  |  | Per Square Metre  |  |
| 29 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.   | 95.16 | Sqm  |  |  | Per Square Metre  |  |
| 30 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre  | 9.89  | Sqm. |  |  | Per Square Metre  |  |
| 31 | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture   | 85.63 | Sqm. |  |  | Per Square Metre  |  |
| 32 | Distemping (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth.including Priming coat with distemper primer.including carriage of materials within all leads and lifts. | 7.81  | Sqm. |  |  | Per square metre. |  |
| 33 | Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)   | 11.61 | Sqm  |  |  | Per square meter. |  |
| 34 | Painting with synthetic enamel paint on previously painted wood surface of approved brand and manufacture of required colour to give an even shade one or more coats on old work including carriage of materials in all leads and lifts.   | 6.23  | Sqm  |  |  | Per Square Metre  |  |
| 35 | Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:(i) White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests  | 1.00  | No   |  |  | Each              |  |
| 36 | Providing and fixing G.I pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.(i) Internal work - Exposed on wall (a) 15 mm dia nominal bore  | 6.10  | Rmt  |  |  | Per Running Metre |  |
| 37 | Providing and fixing uplasticised PVC connection pipe with brass unions :(a) 45 CM.long (i) 15 mm nonal Diametre   | 1.00  | No   |  |  | Each              |  |



|                     |   |      |      |  |  |                   |  |
|---------------------|---|------|------|--|--|-------------------|--|
| 38                  | Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.(i) (i) 15 mm Nominal Bore   | 1.00 | No   |  |  | Each              |  |
| 39                  | Providing and fixing CP. brass Angle cock of approved quality : (i) 15 mm Nominal Bore  | 1.00 | No   |  |  | Each              |  |
| 40                  | Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.  | 2.00 | No   |  |  | Each              |  |
| 41                  | Providing and fixing C.P. Flange(size 65mm) of approved make and quality as per direction of Engineer-in-charge.  | 2.00 | No   |  |  | Each              |  |
| 42                  | Providing and fixing C.P. grating of approved quality and colour.(i) Circular type 100 mm nominal dia   | 1.00 | No   |  |  | Each              |  |
| 43                  | Providing and fixing PVC floor trap 100 X 75 mm dia size complete.  | 1.00 | No   |  |  | Each              |  |
| 44                  | Providing and fixing 75mm dia pipes on wall face PVC Finolex type-B spigot, socket, waste and ventilating pipes of working pressure not less than 4.5 kg/sqm including collar and filling the joints with approved adhesive complete including carriage of materials within all leads and lifts (i) 75mm PVC Finolex Pipe   | 6.10 | Rmt. |  |  | Per Running Metre |  |
| 45                  | Providing and fixing 75 mm dia PVC Finolex Plain Bend type-B ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. (i) 75 mm Nominal Size  | 1.00 | No.  |  |  | Each              |  |
| 46                  | Providing and fixing PVC (Finolex) plain tee with ISI marked complete including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts. (i) 75mm nominal size.  | 2.00 | No.  |  |  | Each              |  |
| 47                  | Providing and fixing PVC Finolex Type B collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-75mm dia.  | 5.00 | No   |  |  | Each              |  |
| 48                  | Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shimla or otherwise including payment of prescribed charges of dumping to the owner of dumping site through all mode of transportation including head load animal load or mechanical means alongwith its leveling and to complete the work of mechanized means and labour (if any required). The dumping site to be arranged by the contractor entirely at his own risk and cost. All useful materials such as stones, aggregate and slates shall be sorted out and stacked along roads side any loss of the public/private property during the course of disposal shall be the absolute responsibility of the contractor which shall have to be fully compensated by him in all respect as per direction of Engineer-in-Charge. | 1.32 | Cum  |  |  | Per Cubic Metre   |  |
| <b>Conditions:-</b> |   |      |      |  |  |                   |  |
|                     |   |      |      |  |  | <b>Total</b>      |  |

i Rates should be quoted for all heights including all leads and lifts for internal and external works.

ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.

iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla**



**SCHEDULE OF QUANTITY**

Sabir Shah

56

Estimated cost: 355967.00

Earnest Money: 7120.00

Time :- One Month.

Name of work:- S/R to various residential buildings under division no III Shimla. (SH:-Repair of toilets, cupboard and other miscellenous repair work in Set no.5 ,6,8 block II type IV at Richmound Shimla)

| Sl. NO. | Sub-Head/Item of work.  | Qty.  |      | Rate        |          | Unit.            | Amount. |
|---------|---|-------|------|-------------|----------|------------------|---------|
|         |   |       |      | In Figures. | In Words |                  |         |
| 1       | 2   | 3     |      | 4           | 5        | 6                |         |
| 1       | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead complete including carriage of materials within all leads and lifts. For all thickness of tiles 10 mm to 25 mm  | 16.50 | Sqm  |             |          | Per square metre |         |
| 2       | Providing and fixing ply wood lining with butt jointing and nails (frame work and cove fillets to be measured and paid for separately) 6 mm thick ply inclding carriage of materials within all leads and lifts.  | 43.20 | Sqm. |             |          | Per cubic metre  |         |
| 3       | Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc complete including carriage of materials within all leads and lifts   | 23.04 | Sqm. |             |          | Per cubic metre  |         |
| 4       | Providing and fixing 19mm thick Commercial Board shutters for cup boards including fixing with nickel plated piano hinges with screws etc complete including carriage of materials within all leads and lifts.  | 43.20 | Sqm. |             |          | Per square metre |         |
| 5       | Providing and fixing 1.0 mm thick coloured or plain laminated sheet (sunmica) on boards / ply wood sheets with approved adhesive and nails complete including carriage of material in all leads and lifts.  | 43.20 | Sqmt |             |          | Per square metre |         |
| 6       | Providing and fixing square edged cover fillets (beading) 19 x 6 mm section including mitring at junction with wooden screws / nails etc complete of hard wood including carriage of material in all leads and lifts.   | 72.00 | Rmtr |             |          | Per square metre |         |
| 7       | Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete including carriage of materials within all leads and lifts:- Double strip (horizontal type).   | 50.00 | No   |             |          | Per square metre |         |
| 8       | 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 including carriage of materials within all leads and lifts:- (i) 125mm size.  | 50.00 | No.  |             |          | Per square metre |         |
| 9       | Providing and laying vitrified floor tiles of 600mm X 600mm sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete . | 16.50 | Sqm. |             |          | Per square metre |         |

|    |  |        |      |  |  |                   |  |
|----|--|--------|------|--|--|-------------------|--|
| 10 | Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete including carriage of material in all leads and lifts.   | 60.24  | Sqm. |  |  | Per square metre. |  |
| 11 | Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts.  | 60.24  | Sqm  |  |  | Per square metre  |  |
| 12 | Distemping (two coats) with oil bound washable distemper of approved brand and manufacture and of required shade on undecorated wall surfaces to give an even shade over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and sand papered smooth.including Priming coat with distemper primer.including carriage of materials within all leads and lifts. | 200.79 | Sqm  |  |  | Per square metre  |  |
| 13 | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting Chasing and making good the walls etc.15mm nominal bore.internal work.   | 12.00  | Rmt. |  |  | Per square metre  |  |
| 14 | Providing and fixing vitreous China wash down water closet (European type W.C. pan) with EWC, Cistern with lid, seat cover fitting etc. complete set intergal P or S trap including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 sand) complete set Hindware Pestal Cat No. 20083 (S-10) including carriage of materials within all leads and lifts.  | 3.00   | No.  |  |  | Per square metre  |  |
| 15 | Providing and fixing 550mm X 400mm X 800mm Flat back vitreous China Hind ware or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts:- complete set Hindware cat No. 10098. Pedestal Hindware Cat No. 11032.  | 2.00   | No.  |  |  | Each              |  |
| 16 | Providing and fixing Bib cock with foam flow with wall flange of approved quality conforming to IS 8931 15 mm nominal bore. including carriage of materials within all leads and lifts.Ess-Ess Crome Cat No. T-103D  | 5.00   | No.  |  |  | Each              |  |
| 17 | Providing and fixing C.P. brass angle stop cock 15mm (fifteen millimetre.) nominal bore including carriage of materials within all leads and lifts:- Ess Ess make Cat No. T-112B   | 6.00   | No.  |  |  | Each              |  |
| 18 | Providing and fixing center hole basin mixture including carriage of materials within all leads and lifts:- Ess Ess trend Cat No. T-118.   | 2.00   | No.  |  |  | Each              |  |
| 19 | Providing and fixing Wall mixer with non-telephonic shower arrangement including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-Cat No. T-121   | 2.00   | No   |  |  | Each              |  |
| 20 | Providing and fixing 6 inches rainfall shower round (SS)including carriage of materials within all leads and lifts.-Cat No. RF-203   | 2.00   | No.  |  |  | Each              |  |
| 21 | Providing and fixing Acrylic shelf of ESS ESS make catalogue No. AC-107 or equivalent complete fixed to wooden plugs with C.P. brass screws fitting complete including carriage of materials in all leads and lift as per direction of Engineer in Charge.   | 2.00   | No   |  |  | Each              |  |



|    |  |       |     |  |  |       |  |
|----|--|-------|-----|--|--|-------|--|
| 22 | Providing and Fixing Ess-Ess Foam Lite HF with pipe and hose including carriage of materials within all leads and lifts. Cat No-C-232X.  | 2.00  | No. |  |  | Each  |  |
| 23 | Providing and fixing Ess -Ess Soap dish complete fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts:- ESS ESS AC-303.   | 2.00  | No. |  |  | Each  |  |
| 24 | Providing and Fixing Corner acrylic shelf including carriage of materials within all leads and lifts. Cat No-AC-207 A  | 2.00  | No. |  |  | Each  |  |
| 25 | Providing and fixing 610mm X 20mm size Towel rail complete with C.P. brackets fixed to wooden plugs with C. P. screws including carriage of materials within all leads and lifts:- ESS ESS catalogue No. AC-101  | 2.00  | No. |  |  | Each  |  |
| 26 | Providing and fixing towel ring of ESS ESS catalogue No. AC-102 or equivalent complete including carriage of materials within all leads and lifts.   | 2.00  | No. |  |  | Each  |  |
| 27 | Providing and fixing Soap dish complete fixed to wooden plugs with C.P. screws including carriage of materials within all leads and lifts:- ESS ESS AC-103.  | 2.00  | No. |  |  | Each  |  |
| 28 | Providing and fixing Acrylic tumbler holder of ESS ESS make catalogue No. AC-104 or its equivalent complete including carriage of materials in all leads and lift as per direction of Engineer in Charge.  | 2.00  | No. |  |  | Each  |  |
| 29 | Providing and fixing toilet paper holder of ESS ESS make catalogue No. AC-106 or its equivalent complete including carriage of materials in all leads and lift as per direction of Engineer in Charge.   | 2.00  | No. |  |  | Each  |  |
| 30 | Providing and fixing Towel bracket (61 cm) with hook of ESS ESS make catalogue No. AC-508 B or its equivalent complete including carriage of materials in all leads and lift as per direction of Engineer in Charge.   | 2.00  | No. |  |  | Each  |  |
| 31 | Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved. | 12.00 | Cum |  |  | Each  |  |
|    |  |       |     |  |  | Total |  |

### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

  
 Executive Engineer  
 Shimla Division NO.III.  
 HP.PWD.Shimla-171003



SCHEDULE OF QUANTITY

(57)

Estimated cost:- 491711.00

Earnest Money: 9830.00

Time :- One Month.

Name of work:- S/R to Indira Gandhi sports complex at The Mall Shimla.(SH:- Renovation and repair of ceiling, panelling, repair of flooring and other miscellenous repair work in Director's office & deputy director office at Indira Gandhi Sports Complex at the Mall Shimla. )

| Sl. NO. | Sub-Head/Item of work.  | Qty.        | Rate        |          | Unit.             | Amount. |
|---------|---|-------------|-------------|----------|-------------------|---------|
|         |   |             | In Figures. | In Words |                   |         |
| 1       | 2   | 3           | 4           | 5        | 6                 |         |
| 1       | Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- Rae wood/chill wood   | 1.06000 Cum |             |          | Per square metre  |         |
| 2       | Providing and fixing 9mm thick ply of standard quality ISI mark and approved shade and colour in panelling & wall lining i/c mitring at junctions, butt jointing and nails complete (Frame work for base to be measured & paid for separately)  | 100.16 Sqm  |             |          | Per square metre. |         |
| 3       | Providing and fixing 12mm thick imported pine wood ceiling/ panneling with tongued and grooved jointing of standard quality ISI mark and approved shade and colour complete including carriage of material within all leads and lifts.  | 100.16 Sqm  |             |          | Per square metre  |         |
| 4       | Polishing two or more coats with Melamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.         | 100.16 Sqm  |             |          | Per square metre  |         |
| 5       | Providing and fixing 40x12mm hard wood corner beading with wood screws in glazing patition etc. including carriage of materials within all leads and lifts.   | 15.00 Rmt.  |             |          | Per square metre  |         |
| 6       | Providing and fixing 6mm thick ply wood lining with butt jointing and nails (frame work and cover fillets to be measured and paid for separately including complete including carriage of material in all leads and lifts   | 1.84 Sqm    |             |          | Per square metre  |         |
| 7       | Providing and fixing 19 mm thick commercial board shutter for cup boards including fixing with nickel plated piano hinges with screws etc. complete including carriage of material in all leads and lifts.  | 1.35 Sqm    |             |          | Per square metre. |         |
| 8       | Providing and fixing 19 mm thick commercial board in shelves, lining, box for cup boards with butt joints fixed with nails and screws etc complete including carriage of material in all leads and lifts  | 5.58 Sqm    |             |          | Each              |         |
| 9       | Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface complete including carriage of materials within all leads and lifts. | 13.23 Sqm   |             |          | Each              |         |
| 10      | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied of approved brand and manufacture. Including carriage of materials in all leads and lifts.   | 13.23 Sqm   |             |          |                   |         |

|       |   |       |      |  |  |  |  |
|-------|---|-------|------|--|--|--|--|
|       | Providing and fixing HDF decorative laminate core board flooring AC4 class 32, 8mm thick of Kerno original or equivalent placed over cushion of 2mm thick expanded polethylene foam plus 100 Microne thick polethylene sheet under lay No. 045 Beech West including border of required shade and colour complete in all respect upto all floor levels as per direction of Engineer in charge including carriage of materials in all leads and lifts.  | 22.04 | Sqm  |  |  |  |  |
| 12    | Providing and fixing anodised aluminium work for door, window, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawlplugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-In-Charge. (I) For doors windows and ventilators and glazed partitions frames including carriage of materials within all leads and lifts. | 40.49 | Kg.  |  |  |  |  |
| 12.01 | For shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/panelling shall be paid for separately), all complete as per architectural drawings and as per the directions of Engineer-In-Charge. For doors windows and ventilators and glazed partitions frames including carriage of materials within all leads and lifts.  | 9.69  | Kg.  |  |  |  |  |
| 13    | Providing and fixing glazing in aluminium door, window, ventilator shutters and partition etc with PVC/neoprens 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.) Glazing with glass panes of 5.50mm thickness (weight not less than 13.75 kg/sqm) including carriage of materials within all leads and lifts..   | 4.42  | Sqm. |  |  |  |  |
| 14    | Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement 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 :  | 1.00  | No   |  |  |  |  |
| 15    | Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Eueropean type W.C. of quality and make as approved by Engineer - in - charge. including carriage of materials within all leads and lifts.   | 1.00  | No.  |  |  |  |  |
| 16    | Providing and fixing 550X400mm Flat back viterous China Hind ware or equivalent wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fitting including carriage of materials within all leads and lifts.  | 1.00  | No.  |  |  |  |  |
| 17    | Providing & fixing 32mm dia, PVC waste pipe for wash basin or sink including carriage of materials within all leads and lifts.  | 1.00  | No.  |  |  |  |  |
| 18    | Providing and fixing C.P. toilet paper holder with screws etc. complete including carriage of materials within all leads and lifts.   | 1.00  | No.  |  |  |  |  |
| 19    | Providing and fixing 600 mm x 450 mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or ply wood sheet and fixed to wooden plugs with C.P. screws and washer including carriage of materials within all leads and lifts.   | 1.00  | Nos. |  |  |  |  |
| 20    | Providing and fixing C.P. brass angle cock of approved quality conforming to IS:8931 : including carriage of materials within all leads and lifts.  | 3.00  | No   |  |  |  |  |

|    |  |      |      |  |  |  |  |       |
|----|--|------|------|--|--|--|--|-------|
|    | Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : including carriage of materials within all leads and lifts.   | 6.00 | No   |  |  |  |  |       |
| 22 | Providing and fixing 600mm x 120mm acrylic glass shelf with C.P. brass bracket and guard rail complete, fixed to wooden plugs with C.P. brass screws including carriage of materials within all leads and lifts.   | 1.00 | No.  |  |  |  |  |       |
| 23 | Providing and fixing C.P towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.   | 1.00 | No   |  |  |  |  |       |
| 24 | Providing and fixing 100 mm dia chromium plated grating of superior quality for floor, gully or nahani trap including carriage of materials within all leads and lifts   | 2.00 | No.  |  |  |  |  |       |
| 25 | Providing and fixing 45cms length PVC connection pipe with union including carriage of materials within all leads and lifts :- 15mm nominal bore.  | 6.00 | No   |  |  |  |  |       |
| 25 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 20 mm nominal outer dia Pipes | 5.36 | Rmtr |  |  |  |  |       |
|    |  |      |      |  |  |  |  | Total |

#### CONDITION

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

Executive Engineer  
Shimla Division NO.III.  
HP.PWD.Shimla-



**SCHEDULE OF QUANTITY**


Estimated Cost Rs. :- 397809.00

Earnest Money Rs. :- 7960.00


Time:- One Month.

**Name of work: -S/R to Directorate of Horticulture Building at Navbahar Shimla-2(SH:- Renovation of Auditorium Hall and Toilet etc. )**

| Sl. No. | Items of work   | Quantity   | Rate       |          | Unit.             | Amount. |
|---------|---|------------|------------|----------|-------------------|---------|
|         |   |            | In figures | In words |                   |         |
| 1       | Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc.complete. including carriage of materials within all leads and lifts:- Rai wood/chill wood   | 0.089 Cum  |            |          | Per Cubic metre.  |         |
| 2       | Providing and fixing 0.63 mm thick PGI sheet ceiling/lining of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including carriage of materials within all leads and lifts.  | 8.68 Sqm   |            |          | Per square metre  |         |
| 3       | Providing and fixing 4mm thick Cement Sheet Ceiling/ lining with butt jointing and nails(frame work and cover fillets to be measured and paid for separately.   | 43.20 Sqm  |            |          | Per square metre  |         |
| 4       | Providing and fixing 2 mm thick Polycarbonate sheet plain lining with necessary screws/nuts & bolts/ nails, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately). including carriage of materials within all leads (i) 2 mm thick Polycarbonate sheet  | 7.20 Sqm   |            |          | Per square metre  |         |
| 5       | Dismantling roofing including ridges, hips, valleys and gutters etc and stacking the material within all leads of G.S. Sheet including carriage of materials within all leads and lifts. (i) G.S. Sheet   | 18.24 Sqm  |            |          | Per square meter. |         |
| 6       | 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 the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.(i) 0.63 mm thick with zinc coating not less than 275 gm/ m <sup>2</sup> | 18.24 Sqm. |            |          | Per Square Metre  |         |
| 7       | Providing and fixing Plain Square edged cover fillets moulded corner Beading 40x12mm thick in section including fixing with necessary nails and screws etc. Complete(i) Second Class Deodar wood  | 251.40 Rmt |            |          | Per Running Metre |         |
| 8       | Providing and Fixing grass wood Pannel in ceiling ( Acoustic pannel) size of pannel 600x600 mm excluding cost of Frame work (i) 25 mm thick   | 86.40 Sqm. |            |          | Per Square Metre  |         |
| 9       | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre   | 57.07 Sqm. |            |          | Per Square Metre  |         |
| 10      | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm of approved brand and manufacture  | 57.07 Sqm  |            |          | Per Square Metre  |         |

|                     |  |        |     |  |  |                  |  |
|---------------------|--|--------|-----|--|--|------------------|--|
| 11                  | Polishing One or more coat with malamine polish of required shade on Old wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts. One or more coat on Old works | 322.04 | Sqm |  |  | Per Square Metre |  |
| 12                  | Providing temporary platform by way of scaffolding for all kind of works in halls/ rooms having exceptional heights with bamboo complete tied with rope on joints and platform of old CGI sheets etc. in all respect including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.  | 129.60 | Sqm |  |  | Per Square Metre |  |
| <b>Conditions:-</b> |  |        |     |  |  | <b>Total</b>     |  |

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No V HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.
- iv Recovery of useful Material i.e CGI Sheets .18.24 SQm recovered from site will be charged / deducted from contractor @ Rs. 165.00 Per Square metre

  
**Executive Engineer**  
**Shimla Division No III**  
**HP. PWD. Shimla-3**

**SCHEDULE OF QUANTITY**



Estimated cost: 498261.00

Earnest Money: 9965.00

Time :- One Month

**Name of work:- S/R to Govt Degree College Sanjauli Shimla. (SH:- Providing and Laying Interlocking Pavers on Ground (Balance work)**

| Sl. NO. | Sub-Head/Item of work.  | Qty.   | Rate        |          | Unit.            | Amount. |
|---------|---|--------|-------------|----------|------------------|---------|
|         |   |        | In Figures. | In Words |                  |         |
| 1       | 2   | 3      | 4           | 5        | 6                |         |
| 1       | 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 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20mm nominal size) complete with including carriage of materials within all leads and lifts  | 28.77  | Cum         |          | Per cubic metre  |         |
| 2       | Providing and laying heavy duty pre-polished precast cement concrete inter locking paver blocks of NTC make or equivalent of approved design and shade vibro compacted of approved design, shade and size border or kurb block grey or coloured over sub-base of concrete with 25mm thick average thickness of cement mortar 1:4 (1 cement : 4 sand) laid over and jointed with neat cement slurry mixed with pigment to match the shade of blocks including curing rubbing and polishing complete (Sub base concrete floor to be paid for sepretarly) 60mm thick block including carriage of materials within all leads and lifts. | 188.64 | Sqm         |          | Per square metre |         |
|         |   |        |             |          | Total            |         |

**CONDITION**

Rates should be quoted for all heights including all leads and lifts for internal and external works.

Sample of all the material to be used on work shall be got approved from the Engineer-in-charge in advance before actual use on work and any or all of the material which are available as per Indian standard in the market should confirm to bureau of indian standards.

*Executive Engineer*  
Shimla Division NO.III.  
HP.PWD.Shimla-

*[Signature]*



**SCHEDULE OF QUANTITY**

60

Estimated Cost Rs. :- 259259.00

Earnest Money Rs. :- 5190.00

Time:- One Month.

**Name of work: -Special Repair to Directorate of Horticulture Building Navbahar Shimla-2 (SH:- Reniovation of Auditorium Hall.i.e Polishing , Cup Board , Painting and Distempering etc. )**

| Sl. No. | Items of work   | Quantity |      | Rate       |          | Unit.             | Amount. |
|---------|---|----------|------|------------|----------|-------------------|---------|
|         |   |          |      | In figuers | In words |                   |         |
| 1       | Providing and fixing 19mm thick commercial board in shelves/box for cup board with butt joints and fixing with nails and screws etc. complete including carriage of materials in all leads and lifts.   | 31.50    | Sqm  |            |          | Per Square Metre  |         |
| 2       | Providing and fixing 19mm thick Commercial Board shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc. complete including carriage of materials within all leads and lifts.   | 9.00     | Sqm  |            |          | Per Square Metre  |         |
| 3       | Providing and fixing 4mm thick teak ply conforming to ISI in plain lining/panelling/under floors with necessary screws/nuts & bolts/ nails and fixed on wooden /steel frame work complete as per direction of Engineer-in- charge (Frame work shall be paid for separately) including carriage of materials within all leads and lifts. | 35.10    | Sqm. |            |          | Per Square Metre  |         |
| 4       | Providing and fixing hard wood plain square edged cover filets (beading) 19mmx6mm section with wood screws in ceiling and lining including mitring at junctions including carriage of materials in all leads and lifts.   | 71.60    | Rmt. |            |          | Per Running Metre |         |
| 5       | Removing dry or oil bound distemper, water proofong cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete including carriage of materials within all leads and lifts.   | 343.44   | Sqm  |            |          | Per Square Metre  |         |
| 6       | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete including carriage of materials and as per the direction of the Engineer-in-Charge.  | 387.53   | Sqm  |            |          | Per Square Metre  |         |
| 7       | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.(i) With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre   | 44.09    | Sqm. |            |          | Per Square Metre  |         |
| 8       | Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture  | 44.09    | Sqm. |            |          | Per Square Metre  |         |
| 9       | Providing and fixing bright finished brass furniture handles with screws etc. complete:including carriage of materials within all leads and lifts (i) 125 mm  | 10.00    | No   |            |          | Each              |         |
| 10      | Providing and fixing magnatic catcher with screws etc. complete including carriage of materials within all leads and lifts.   | 10.00    | No   |            |          | Each              |         |
| 11      | Distempering with 1st quality acrylic distember (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :(i) Old work (one or more coats)  | 572.40   | Sqm  |            |          | Per square meter. |         |

|    |  |        |      |  |  |                  |  |
|----|--|--------|------|--|--|------------------|--|
| 12 | Polishing two or more coats with malamine polish of required shade on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts.                              | 38.61  | Sqm. |  |  | Per square metre |  |
| 13 | Polishing One or more coat with malamine polish of required shade on Old wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust and sand papered smooth and including a coat of wood filler including carriage of materials in all leads and lifts. One or more coat on Old works | 294.20 | Sqm  |  |  | Per Square Metre |  |
| 14 | Providing temporary platform by way of scaffolding for all kind of works in halls/ rooms having exceptional heights with bamboo complete tied with rope on joints and platform of old CGI sheets etc. in all respect including carriage of materials within all leads and lifts as per direction of the Engineer - in - charge.  | 120.96 | Sqm  |  |  | Per Square Metre |  |
|    | <b>Conditions:-</b>  |        |      |  |  | <b>Total</b>     |  |

- i Rates should be quoted for all heights including all leads and lifts for internal and external works.
- ii Useful materials will be handed over to the Assistant Engineer, Sub Division No.V. HPPWD, Raj Bhawan Shimla-2 otherwise credit for useful materials will be charged.
- iii Sample of all Materials to be used on work Shall be got approved from the Engineer-in- charge in advance before actual use on work and any or all of the materials which are available as per Indian standard in the market should confirm to bureau of Indian standards.

**Executive Engineer**  
**Shimla Division No.III**  
**HP. PWD. Shimla-3.**