

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

No. SD-III-CB-Tender/2022-23-  
To

6970


Dated:- 3-6-22

*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 **09-06-2022** 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 **08-06-2022** and the application for issue of tender form shall be received up to 4.00 P.M. on **08-06-2022**.

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 perform 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	Special repair to Non residential building under Shimla Division No.III Shimla (SH:-Providing and laying floor tiles, painting with plastic emulsion, PU polishing inner side ground floor, first floor and second floor of Guest House at Barnes Court Shimla-2).	Rs.3,24,139/-	Rs.6490/-	One Month	6&8	350/-
2	Improvement of Road from Navbahar to Holly Lodge Km. 0/00 to 2/670 (SH:-C/O retaining wall at RD. 0/050 to 0/056.50)	Rs.4,99,161/-	Rs.9990/-	One Month	6&8	350/-
3	A/R & M/O Divisional Commissioner office at Chotta Shimla (SH:-Providing and fixing window shutters, minor repair works etc. in Divisional Commissioner office).	Rs.2,54,484/-	Rs.5090/-	One Month	6&8	350/-
4	A/R & M/O various roads under division No.III Shimla (SH:- Construction of retaining wall for various approaches to U.S. Club colony near Machiwali Kothi at RD 0/186.60 to RD 0/192.20).	Rs.2,86,355/-	Rs.5730/-	One Month	6&8	350/-
5	A/R & M/O various residential buildings under Shimla Division No.III (SH:- Construction of retaining wall adjacent to block-P-II for protection of block 35) at Nabha Estate Shimla).	Rs.3,95,562/-	Rs.7950/-	One Month	6&8	350/-
6	Improvement of road from Navahar to Holly Lodge Km. 0/00 to 2/670 (SH:-C/O retaining wall at RD. 0/303 to 0/314).	Rs.4,37,386/-	Rs.8750/-	One Month	6&8	350/-
7	Furnishing of MLA Hostel at New Metropole Shimla (SH:- Providing and laying carpet and PVC flooring in Set No. 703 & 704 occupied by Smt. Asha Kumari Hon'ble MLA).	Rs.4,41,583/-	Rs.8830/-	One Month	6&8	350/-
8	Special repair to Armsdale Building Building at HP Secretariat Shimla (SH:- Providing and fixing cushioning and steel tables in seating both side of corridor).	Rs.4,84,390/-	Rs.9690/-	One Month	6&8	350/-
9	S/R to various residential buildings under division No.III Shimla (SH:- Repair of roofing sheets at Yates Cottage).	Rs.4,25,274/-	Rs.8500/-	One Month	6&8	350/-
10	A/R & M/O residential building under Shimla Division No.III (SH:- Minor repair in set No.7 Yates place Chotta Shimla-2)	Rs.63,800/-	Rs.1280/-	One Month	6&8	350/-
11	S/R to Council Chamber Building at Vidhan Sabha Shimla. (SH:- Providing and fixing ply wood dice pedestal, M.S. steel benches, painting etc.).	Rs.2,61,929/-	Rs.5240/-	One Month	6&8	350/-
12	A/R & M/O to various residential building under Shimla Division No.III (SH:- Providing and fixing cup board, painting & distempering and sanitary fittings etc. in Transit accommodation Sanjauli Shimla).	Rs.88,216/-	Rs.1770/-	One Month	6&8	350/-
13	S/R to various Non residential buildings under division No.III Shimla (SH:- Renovation of Gents toilets of basement floor in main building of H.P. High Court Shimla).	Rs.2,60,570/-	Rs.5210/-	One Month	6&8	350/-
14	S/R to H.P. State Museum Building at Chaura Maidan Shimla-4 (SH:-Construction of steps near reception leading to canteen of H.P. State Museum).	Rs.3,09,728/-	Rs.6190/-	One Month	6&8	350/-
15	Special repair to Non residential building under Shimla Division No.III (SH:- Painting and distempering work in Block-B, Set No. 303, Block-A, set No. 401 of New MLA Hostel building at Vidhan Sabha Shimla).	Rs.1,01,225/-	Rs.2020/-	One Month	6&8	350/-
16	Improvement of road from Cart road to Annadale KM's 0/00 to 4/160 (SH:- Construction of PCC retaining wall at RD's 3/211.50 to RD 3/216.50).	Rs.4,26,293/-	Rs.8530/-	One Month	6&8	350/-
17	S/R to various Non residential buildings under Division No.III Shimla (SH:- Renovation of Gents toilets of 2 <sup>nd</sup> floor in main building of H.P. High Court Shimla).	Rs.3,73,954/-	Rs.7480/-	One Month	6&8	350/-



18	Special repair to Dai Block at DDU Hospital Shimla (SH:- Providing and fixing cupboards, tiles, marble, shutters, paneling etc. to residential accommodation allotted to Sh. Neem Chand) at DDU Hospital Shimla).	Rs.2,32,009/-	Rs.2650/-	One Month	6&8	350/-
19	S/R to Squash Court at Richmound Shimla (SH:- Construction of attached toilet to D.S.O. room and paneling work at Richmound Shimla).	Rs.3,19,157/-	Rs.6380/-	One Month	6&8	350/-
20	Special repair to DOT Centre at IGMCM Shimla (SH:- Dismantling work providing and laying chequered tiles in path and steps from blood bank side to DOT Centre).	Rs.1,32,382/-	Rs.2650/-	One Month	6&8	350/-
21	Special repair to Old ENT. Building at IGMCM Shimla (SH:- Dismantling work, commercial board, PVC flooring, steel work, painting and distempering & sanitary work)	Rs.1,74,595/-	Rs.3500/-	One Month	6&8	350/-
22	Special repair to Armsdale building at H.P. Secretariat Shimla (SH:- Providing and laying PVC flooring in Room No. A-602, A-225 & A-524 etc.).	Rs.1,32,957/-	Rs.2660/-	One Month	6&8	350/-
23	A/R & M/O to various residential building under Shimla Division No.III (SH:- Repair of Sewerage line & GI pipe, painting etc. of Block No. 5 & 6 at Barnes Court Shimla-2).	Rs.1,89,272/-	Rs.3790/-	One Month	6&8	350/-
24	Improvement of Geometrics on Navbhar to Holly Lodge Road Km. 0/00 to 2/670 (SH:- C/O retaining wall at RD. 0/063 to 0/069.50).	Rs.4,99,271/-	Rs.9990/-	One Month	6&8	350/-
25	Special repair to MBBS Girls Hostel at Blessington Estate at Lakkar Bazar Shimla (SH:- Providing and fixing prepainted sheet, welded mesh with steel work etc. in Balconey).	Rs.4,43,115/-	Rs.8870/-	One Month	6&8	350/-
26	Special repair to Block-1, Type-1 at Crostophen Estate Lakkar Bazar Shimla (SH:- RCC. Slab, C.C. flooring, painting and distempering in Type-1 Set No. 1, 16, 32 and 40 at Croesthophen Estate).	Rs.1,12,028/-	Rs.2250/-	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

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

Dated:- 3-6-22

**NO.SD-III-CB-Tender/2021-22-**

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 Distt. 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-2

# SCHEDULE OF QUANTITY

①

Estimated Cost Rs. :- 324139.00  
Earnest Money Rs. :- 6490.00

Time:- One Month.

**Name of work: -Special Repair to Non residential Building under Shimla Division No.III Shimla(SH:- Providing and Laying floor tiles , Painting with Plastic emulsion , PU Polishing inner side Ground Floor , First Floor and Second Floor of Guest House 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)	11.97 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) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal size)	1.42 Cum			Per Cubic Metre	
3	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 mm	28.48 Sqm			Per Square Metre	
4	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.	558.30 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.	558.30 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 including carriage of materials in all leads and lifts.	1395.75 Sqm			Per Square Metre	
7	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	216.56 Sqm			Per Square Metre	
8	Polishing One 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.(i) One or more coats on old works	401.48 Sqm			Per Square Metre	
9	Providing and fixing C.P. brass Kitchen Sink mixture of approved quality ESS ESS Make Cat Log No. BASM102N including carriage of Matreial with in all leads and lifts as per direction of Engineer-in-Charge.(i) 15mm Nominal Bore	3.00 No.			Each	



10	Disposal of moorum/ building rubbish/ maiba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Municipal dumping ground for lead upto 10km. For lalleafs, complete as per direction of Engineer- in Charge. Note:- Item to be applicable in urban area having directions for restricted hours movement/ plying of load carrying motor vehicle of 3.5 cum. or More.	11.97	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.

1V Recovery of useful bricks 181.00, recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.

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

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 499161.00  
Earnest Money Rs. :- 9990.00

Time:- One Month.

Name of work: -Improvement of Road From Navbahar to holly Lodge Km. 0/00 to 2/670(SH:- C/O Retaining Wall at RD. 0/050 to 0/056.50)

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 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	10.97 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	14.95 Cum			Per Cubic Metre	
3	Centering and shuttering including strutting, propping etc. and removal of form work for : (i) Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses filets, kerbs and steps etc.	71.45 Sqm			Per Square 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 : (a) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)	4.49 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 : (i) 1:3:6 (1 cement : 3 coarse sand) : 6 graded stone aggregate 20 mm nominal size)	73.78 Cum			Per Cubic Metre	
6	Backfilling behind abutment, wing wall and return wall complete as per specification clause 1204.3.8 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge a) Granular material.	20.67 Cum.			Per Cubic Metre	
8	Providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall return wall with 100 mm ( one hundred millimetre ) dia ,PVC pipe extending through the full width of the structure with slope of 1(V): 20 ( Twenty) ( H) towards drawing face 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.	37.50 Rmt.			Per Running metre	



Disposal of surplus excavated earth by Mechanical with in all leads on approved dumping site of M.C. Shrima 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 duly compensated by him in all respect as per direction of Engineer-in-Charge.	20.74	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.*

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<b>Conditions:-</b>							
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<b>Conditions:-</b>							
<b>Total</b>							

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<b>Conditions:-</b>							
<b>Total</b>							

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<b>Conditions:-</b>							
<b>Total</b>							

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<b>Conditions:-</b>							
<b>Total</b>							

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<b>Conditions:-</b>							
<b>Total</b>							

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

# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 254484.00  
Earnest Money Rs. :- 5090.00

Time:- One Month.

Name of work:- A/R and M/O Divisional Commissioner office at Chotta Shimla. (SH: - Providing and fixing window shutters, minor repair works etc. in Divisional Commissioner office.)

Sl. No.	Description of Items.	Quantity	Rate	Unit	Amount
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 paneling which will be paid for separately, all complete as per direction of Engineer-in-charge. 35 mm thick shutters	25.38 4500		Per Square metre	
2	Providing and fixing 35mm thick wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85G with wire of dia 0.56mm for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge in sal wood.	6.48 Sqm		Per square metre.	
3	Providing and fixing 100mm size bright finished Ess Ess handles with screws etc. complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	60.00 No.		Each	
4	Providing and fixing 150mm x 10mm size 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. including carriage of materials within all leads and lifts.	60.00 No		Each.	
5	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.	903.24 Kg		Per Kilogramme	
6	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade two or more coats on new wood work complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	65.38 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.					
<b>Total</b>					

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



# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 286365.00  
Earnest Money Rs. :- 5730.00

Time:- One Month.

Name of work:-AR and M/O Various roads under division no III Shimla. (SH:- Construction of Retainibg wall for various approaches to U.S. Club colony near machiwall kothi at RD RD 0/186.60. to RD 0/192.20

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 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 1.50 m, as directed by Engineer-in-charge. All kinds of soil.	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.50 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.50 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	Cum			Per cubic metre	
3	Providing and laying cement concrete in 1:3:6(1 cement:3 sand:6 graded stone aggregate 20mm nominal size) in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level.	Cum			Per cubic metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 in 5.04	Cum			Per cubic metre	
5	Granular materials including cartage of materials within all leads and lifts.	Cum			Per cubic metre	
6	Providing weepholes in brick masonry/stone masonry, plain/ reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7 including cartage of material within all leads and lifts as per direction of Engineer-in-charge.	Rmt.			Per Cubic meter	
7	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.	Sqm			Per square metre.	
7	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 duly compensated by him in all respect as per direction of Engineer-in-Charge.	Sqm.			Per running metre.	

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 II HPPWD, Shimla-4 otherwise credit for useful materials will be charged.

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**

Estimated cost:-  
Earnest Money:-  
Time :-

395562.00  
7950.00  
One Month

Name of work:-A/R & M/O Various residential buildings under Shimla Division No. III (SH:-Construction of retaining wall adjacent to block-P-II for protection of block 35) at Nabha Estate Shimla.

Sl. NO.	Description	Qty.	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 1.5 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 All kinds of soil including carriage of materials within all leads and lifts.	163.26 Cum			Per Cubic meter	
2	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.	25.67 Cum			Per Cubic meter	
3	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with Cement mortar 1:6 (1 cement : 6 coarse sand) including carriage of materials within all leads and lifts.	56.99 Cum			Per Cubic meter	
4	Stone filling behind retaining wall per HP. PWD specification 1990 Volume - I and as per direction of the Engineer-in-charge.	9.91 Cum			Per square meter	
5	Disposal of moorum/building rubbish/malbasimilar 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 including carriage of materials within all leads and lifts.	113.38 Cum			Per cubic 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.

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



# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 437386.00  
Earnest Money Rs. :- 8750.00

Time:- One Month.

Name of work: -Improvement of Road From Navbahar to holly Lodge Km. 0/00 to 2/670(SH:- C/O Retaining Wall at RD. 0/303 to 0/314)

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 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	54.45 Cum			Per Cubic Metre	
2	Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and lift upto 1.5(i) All kind of Soil	14.52 Cum			Per Cubic Metre	
3	Centering and shuttering including strutting, propping etc. and removal of form work for : (i) Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	49.50 Sqm			Per Square 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 : (a) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)	4.84 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 : (i) 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40 mm nominal size) including carriage of materials within all leads and lifts.	63.60 Cum.			Per Cubic Metre	
6	Random rubble masonry with hard stone in foundation and plinth upto plinth level with : (i) Cement mortar 1:6 (1 cement : 6 coarse sand )including carriage of materials within all leads and lifts.	18.86 Cum.			Per Cubic Metre	
7	Backfilling behind abutment, wing wall and return wall complete as per specification clause 1204.3.8 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge a) Granular material.	9.90 Cum.			Per Cubic Metre	
8	Providing weep holes in brick masonry /stone masonry/plain reinforced concrete abutment, wing wall return wall with 100 mm ( one hundred millimetre ) dia ,PVC pipe extending through the full width of the structure with slope of 1(V): 20 ( Twenty) ( H) towards drawing face 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.	20.00 Rmt.			Per Running metre	

<p>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 duly compensated by him in all respect as per direction of Engineer-in-Charge.</p>	27.23 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.

- i 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
- ii 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.
- iii Recovery of usefull bricks 181.00 recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.

Executive Engineer  
Shimla Division No.III  
HPPWD. Shimla-3



# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 441583.00  
Earnest Money Rs. :- 8830.00

Name of work:- Furnishing of MLA Hostel at New Metropole Shimla. (SH: - Providing and laying Carpet and PVC flooring in Set No. 703 & 704 occupied by Smt. Asha Kumari Hon'ble MLA.)

Time:- One Month.

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing and fixing at site loop pile carpet Doniar make cross wood 5.50mm million shoot per square metre PP heat set yarn pile height 12mm heavy duty superior quality carpet, pile weight 2100-2200 gram per square metre fixed with adhesive as per approved sample and shade/approved design complete in all respect and as per the direction of Engineer-in-charge complete including carriage of material with in all leads and lifts.	116.16 Sqm			Per square metre	
2	Providing and fixing 1.50mm 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.	14.00 Sqm			Per square metre	

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, Vidhan Sabha Sub Division HPPWD, Shimla-4 otherwise credit for useful materials will be charged.

iii 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,  
HPPWD, Shimla-3.  
*[Signature]*

# **SCHEDULE OF QUANTITY**

8

Name of work: - Special repair to Armsdale Building at HP Secretariat Shimla. (SH:- Providing and fixing cushioning and Steel tables in Seating both side of corridor.)

Estimated Cost Rs. :- 484390.00  
Earnest Money Rs. :- 9690.00

Time:- One Month.

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
1	Providing and fixing cushion (3" thickness) of 32 density upholstered with leatherette complete including carriage of materials in all leads and lifts.	100.94 Sqm			Per square metre	
2	Providing and fixing 19mm thick Commercial board in box /Shelf complete with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	51.54 Sqm			Per square 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	512.53 Kg			Per kilogramme	
4	Providing and laying marble work (Table rubbed and polished) in flooring 20mm thick base in cementmortar 1:3 (cement:3 sand) including jointing with cement mortar 1:2 (1 white cement 2 Green marble including carriage of materials within all leads and lifts.	11.40 Sqm			Per square metre	
<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.						
<b>Total</b>						

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



**SCHEDULE OF QUANTITY**

91

Estimated cost:- 425274.00  
Earnest Money:- 8500.00  
Time :- One Month.

**Name of work:- S/R to various residential buildings Under division no III Shimla. (SH:- Repair of roofing sheets at yates cottage)**

SR. NO	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
	2	3	4	5	6	
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. including carriage of materials within all leads and lifts.	26.16 Sqm.			Per square metre.	
2	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 (5.5 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.	245.44 Sqm			Per square meter.	
3	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)	49.05 Rmtr			per running metre	
4	Providing and fixing pre-painted 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:- Flashings/ Aprons. ( Upto 600 mm).	19.00 Rmtr			per running metre	
5	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:- 2nd class d/dar wood.	0.31 Sqm.			Per square meter.	
6	Providing eaves board 200mmx25mm thick including fixing in position in 2nd class deodar wood.including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	63.40 Rmtr			per running 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**

## SCHEDULE OF QUANTITY

109

Estimated Cost Rs. :- 63800.00

Earnest Money Rs. :- 1280.00

Time:- One Month.

Name of work: - A/R & M/O Residential Building under Shimla Division No.III( SH:- Minor Repair in set No.7 Yates Place Chhota Shimla-2 )

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	providing and Fixing tissue curtain of Superior Quality cloth as per approved Sample including Quality of Cloth as per approved Sample including Quality of Cloth design and Shade with specified length and Width including stitching tape and Curtains rings Complete (a) D- Decor (i) Stiche Length 2.01 Metre to 2.20 Metre	33.00	No.			Each	0.00
2	Supplying and Placing at site superior quality foot mat of Standard Quality and specified Size (i) Gross Foot Mat/ Door foot Mat	20.00	Sft.			Square Feet	0.00
Conditions:-						Total	0.00

- 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 bricks 181.00. recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.

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



# SCHEDULE OF QUANTITY

11

Estimated Cost | 261929.00

Earnest Money | 5240.00

Time:- one months.

Name of work:- S/R to Council Council Chamber Building at Vidhan Sabha Shimla. (SH:- Providing and Fixing ply wood dice pedestal, M.S steel benches , painting etc.)

Sl. No.	Items of work	Quantity		Rate		Unit.	Amount.
				In figures	In words		
1	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	81.65	Sqm			Per square metre.	
2	Providing and fixing turned caps or Pendants with ball ornamental to top and bottom of size 100x100mm. complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge. 2nd class teak wood.	2.00	No			Each	
3	Providing and fixing railing posts. Of size 3"x3" .complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge. 1st Class indian class teak wood.	19.00	No			Each	
4	Providing and fixing moulded hand rail of 75mm x 60mm at top of vertical balusters including one coat of red oxide priming coat complete (M.S. flat & balusters of railings shall be mesaured & paid separately. complete including carriage of materials within all leads and lifts as per direction of Engineer - in - charge.	3.23	Rmtr			Per running metre.	
5	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:- Hot finished welded type tubes.	668.43	Kg.			Per kilogramme metre.	
6	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.	429.12	Kgs			Per Kilogramme	
7	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	99.47	Sqm.			Per Square metre	
8	Painting on steel work with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade Old work (one or more coats) including carriage of materials within all leads and lifts.	48.00	Sqm			Per square metre	
						Total	
	i Rates should be quoted for all heights including all leads and lifts for internal and external works.						
	ii 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

12

Estimated Cost Rs. :- 88216.00

Earnest Money Rs. :- 1770.00

Time:- One Month.

**Name of work: -A/R & M/O to Various Residential Building Under Shimla Division No.III SH:- Providing and Fixing Cup Board , Painting & Distemping and Sanitary fittings etc. in Transit accommodation Sanjauli 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 :(i) Of area 3 sq. metres and below	1.00	No			Each	
2	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.(Second Class Deodar wood	0.012	Cum			Per Cubic Metre	
3	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, including panelling all complete including hauling of materials in all leads and lifts as per the same satisfaction and direction of Engineer-In-Charge.(i) 35 Thick Second Class Deodar wood:	1.80	Sqm.			Per Square Metre	
4	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 including all leads and lifts and as directed by theEngineer-in-Charge.(i) 35mm thick shutters deodar wood.	1.80	Sqm			Per Square Metre	
5	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	4.50	Sqm.			Per Square Metre	
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 including carriage of materials within all leads and lifts	15.78	Sqm			Per Square Metre	
7	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. including carriage of materials within all leads and lifts	5.39	Sqm			Per Square Metre	
8	Providing and fixing 0.80mm 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.	8.89	Sqm			Per Square Metre	
9	Providing and fixing beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete including carriage of materials within all leads and lifts.(i) Hard wood 19x6 mm	42.68	Rmt.			Per Running 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) 150x10 mm	4.00	Nos.				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	56.00	No				Each	
13	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.(i) Double strip (horizontal type)	22.00	No.				Each	
14	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.	26.98	Sqm				Per Square Metre	
15	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.	55.18	Sqm.				Per Square Metre	
16	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	36.59	Sqm				Per Square Metre	
17	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat of approved brand and manufacture	36.59	Sqm				Per Square Metre	
18	Distemping with 1st quality acrylic distemper (ready made) having VOC content less than 50 gm per litre. of approved manufacturer and of required shade and colour complete. as per manufacturer's specification. (a) Finishing walls with water proofing cement paint of required shade. (i) Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.	67.46	Sqm.				Per Square Metre	
19	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 complete including carriage of materials within all leads and lifts.	13.08	Sqm				Per Square Metre	
20	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 10 litre capacity including carriage of materials within all leads and lifts.- White.	1.00	No.				Each	
21	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. including carriage of materials within all leads and lifts. (i) 32mm Dia	2.00	No.				Each	
22	Providing and fixing 110mm stainless steel grating for trap complete including carriage of materials upto all leads and lifts and as directed by the Engineer in Charge.	2.00	No.				Each	
23	Providing and Fixing PVC. Connection Pipe (i) 45 CM. Long 15 mm Dia including carriage of materials within all leads and lifts	1.00	No.				Each	
24	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : including carriage of materials within all leads and lifts. (i) 15 mm Nominal bore	2.00	No.				Each	
25	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931 complete within carriage of material in all leads and lifts and as directed by the Engineer in Charge.- 15 mm nominal bore.	2.00	No.				Each	

Providing and fixing rectangular high density polyethylene water storage I 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 with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge.

### Conditions:-

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.

Recovery of usefull bricks 181.00, recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.

1000.00	Liter					Per Litre	
						Total	

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



**SCHEDULE OF QUANTITY**

Estimated Cost Rs. :- 260570.00  
Earnest Money Rs. :- 5210.00  
Time:- One Month.

**Name of work:- S/R to various Non Residential buildings under division no III Shimla (SH:- Renovation of Gents toilets of basement floor in main building of H.P High Court, Shimla)**

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
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.	37.66 Sqm			Per square metre	
2	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)	3.89 Cum			Per cubic metre	
3	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 100 mm dia pipe	9.65 Rmt.			Per running metre.	
4	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.	0.18 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 : 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40mm nominal size)	3.82 Cum			Per cubic metre	
6	Dubbing out an old irregular walls average 10mm thick with Cement mortar 1:6 (1 Cement : 6 Sand) including carriage of materials in all leads and lifts.	26.80 Sqm			Per square metre	
7	Providing and laying Double charged digital 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	10.86 Sqm			Per square metre.	
8	Providing and laying Double charged digital Vitrified 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 Size of Tile 600mm x600mm. x10mm.	26.80 Sqm.			Per Square metre	

	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings,alconies, 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).	0.380	Cum				Per cubic 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)	1.98	Sqm.				Per Square metre	
11	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform.	1.50	Sqm.				Per Square metre	
12	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.	11.00	kg				Per kilogramme	
13	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	3.08	Sqm.				Per Square metre	
14	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.	11.05	Rmt.				Per running metre.	
15	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:-75mm dia.	1.00	Rmt.				Per running metre.	
16	110mm	13.20	Rmt.				Per running metre.	
	(ii) Providing and fixing PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i)110mm dia.	6.00	No.				Each	
17	Providing and fixing PVC double equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110mm dia.	2.00	No.				Each	
	(ii) 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	7.00	No.				Each	



	(iii) Providing and fixing PVC door bend with oval access 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.	2.00	No.					Each	
	(iv) Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	8.00	No.					Each	
	(v) Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-75mm dia.	1.00	No.					Each	
	(vi) Providing and fixing PVC Finolex reducer 3"x4" 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	
	(vii) 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.	9.00	No.					Each	
18	Providing and fixing Hindware Cat No.60002 white vitreous china flat back half stall urinal of size 37.5x39x59cm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2555, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern. complete including carriage of materials within all leads and lifts	3.00	No.					Each	
19	Providing and fixing viking made cat No. 40905/40906A 100 mm circular type grating including carriage of materials within all leads and lifts.	7.00	No					Each	
20	Providing and fixing viking made cat No. 5303 waste coupling including carriage of materials within all leads and lifts.	2.00	No					Each	
21	Providing and fixing viking made cat No.6320 urinal spreader including carriage of materials within all leads and lifts.	3.00	No					Each	
22	Providing and fixing viking made cat No.4921 waste pipe polyvinyl chloride(PVC) including carriage of materials within all leads and lifts.	5.00	No					Each	
23	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.	1.00	No					Each	
24	Providing and fixing Hindware made Element starwhite cat no. 92084 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:	1.00	No					Each	

25	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	1.00 No.				Each	
26	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-112.	11.00 No.				Each	
27	Providing and fixing C.P. brass Pillar cock 15mm (fifteen millimetre.) nominal bore including carriage of materials within all leads and lifts:- MYPC-101	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.	1.00 No				Each	
29	Providing and fixing C.P. wall flange/ Cap 15mm nominal bore with fittings including carriage of materials within all leads and lifts.	12.00 No				Each	
30	Providing and fixing Hindware make 56x45 cat no 10049 central hole wash basin mixture including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-	2.00 No				Each	
31	Providing and fixing PVC connection viking make including carriage of materials within all leads and lifts:-Cat No.3018	8.00 No				Each	
32	Providing and fixing C.P connection pipe viking make including carriage of materials within all leads and lifts:-Cat No.3024	3.00 No				Each	
33	Providing and fixing vitreous china urinal divisional plate of size 75x16.5x36.5 cat No. HSIL Cat No.61005 including carriage of materials within all leads and lifts.	1.00 No				Each	
34	Providing and fixing viking make 15mm nominal bore waste coupling for urinal including carriage of materials within all leads and lifts. Cat No. 6242	3.00 No				Each	
35	Providing and fixing liquid soap Dispenser of viking make cat No.1127 including carriage of materials within all leads and lifts	3.00 No.				Each	
36	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.	20.50 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) including carriage of materials within all leads and lifts	3.00 No.				Each	
38	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) 15mm nominal bore.	1.00 No.				Each	
39	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.	6.89 Cum				Per cubic metre	
40	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:old work (one or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	22.80 Sqm.				Per Square metre	



	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	17.10	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.	17.10	Sqm.			Per Square metre	
43	Providing and fixing clamp for urinal pot viking made cat No.6353 including carriage of materials within all leads and lifts.	3.00	No.			Each	
44	Providing and fixing extension nipple 0.5"x1" viking made cat No.22014 A including carriage of materials within all leads and lifts	16.00	No.			Each	

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, Vidhan Sabha Sub Division HP PWD, Shimla-4 otherwise credit for useful materials will be charged.

iii 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

Name of work:- S/R to H.P State Museum Building at Chaura Maidan Shimla-4 (SH:- Construction of steps near reception leading to canteen of H.P state Museum)

Estimated Cost Rs. :- 309728.00  
 Earnest Money Rs. :- 6190.00  
 Time:- One Month.

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 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.	29.32 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 : 1:5:10 (1 Cement : 5 coarse sand) : 10 graded stone aggregate 40mm nominal size) including carriage of material in all leads and lifts as per the direction of the Engineer-in-charge.	2.12 Cum			Per Cubic metre.	
3	Random rubble masonry with hard stone in superstructure and above plinth level upto floor all level upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand) complete including carriage of material in all leads and lifts as per direction of the Engineer in Charge.	44.60 Cum			Per Cubic metre.	
4	Square rubble masonry / polygonal rubble masonry (uncoursed / brought to courses) with hard stone of approved quality in foundation and plinth in cement mortar 1:6 (1 cement : 6 sand) in breast walls and retaining walls including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	5.54 Cum			Per Cubic metre.	
5	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 110mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7 including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	15.60 Rmt.			Per Running metre	
6	Disposal of building rubbish / maba / 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.	29.32 Cum			Per Cubic metre.	

- 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, Vidhan Sabha Sub Division HPPWD, Shimla-4 otherwise credit for useful materials will be charged.
- iii 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**

Estimated Cost Rs. :- 101225.00  
Earnest Money Rs. :- 2020.00

Time:- One Month.

**Name of work:- Special repair to Non residential building under Shimla Division No. III. (SH: - Painting and distempering work in Block-B, Set No. 303, Block-A, set No. 401 of New MLA Hotel building at Vidhan Sabha Shimla.)**

Sl. No.	Items of work	Quantity	Rate		Unit	Amount.
			In figures	In words		
1	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.	943.95 Sqm			Per square metre	
2	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old wood work including carriage of materials within all leads and lifts.	267.42 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 in all leads and lifts.	377.58 Sqm.			Per square metre.	
4	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.	377.58 Sqm			Per square metre	
5	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade one or more coats on old steel work including carriage of materials within all leads and lifts.	114.63 Sqm			Per square metre	

- 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, Vidhan Sabha Sub Division HP PWD, Shimla-4 otherwise credit for useful materials will be charged.
- iii 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

Estimated Cost Rs. :- 426293.00  
Earnest Money Rs. :- 8530.00

Name of work:- Improvement of road from Cart road to Annadale KM's 0/00 to 4/160. (SH:- Construction of PCC retaining wall at RD's 3/211.50. to RD 3/216.50.)  
Time:- One Month.

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 1.50 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.50 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	10.40			Per cubic metre	
2	Providing and laying cement concrete in 1:3:6(1 cement:3 sand:6 graded stone aggregate 20mm nominal size) in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, filets, sunken floor etc., up to floor five level.	71.33			Per cubic metre	
3	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc. complete including carriage of materials within all leads and lifts.	44.83			Per square metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 in Granular materials including carriage of materials within all leads and lifts.	8.40			Per Cubic meter	
5	Providing weepholes in brick masonry/stone masonry, plain/ reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7 including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	43.13			Per running metre.	
6	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				Per cubic metre	

- 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, Vidhan Sabha Sub Division HPPWD, Shimla-4 otherwise credit for useful materials will be charged.*
- iii 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

Estimated Cost Rs. :- 373954.00  
Earnest Money Rs. :- 7480.00  
Time:- One Month.

Name of work:- S/R to various Non Residential buildings under division no III Shimla (SH:- Renovation of Gents toilets of 2nd floor in main building of H.P High Court, Shimla)

Sl. No.	Items of work	Quantity	Rate		Unit	Amount
			In figures	In words		
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.	67.40 Sqm			Per square metre	
2	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 (Ifc equivalent design mix)	5.46 Cum			Per cubic metre	
3	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 100 mm dia pipe	9.80 Rmt.			Per running metre.	
4	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.	0.09 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 : 1:4:8 (1 Cement : 4 coarse sand) : 8 graded stone aggregate 40mm nominal size)	5.51 Cum			Per cubic metre	
6	Dubbing out an old irregular walls average 10mm thick with Cement mortar 1:6 (1 Cement : 6 Sand) including carriage of materials in all leads and lifts.	52.15 Sqm			Per square metre	
7	Providing and laying Double charged digital 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	15.27 Sqm			Per square metre.	
8	Providing and laying Double charged digital Vitrified 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 Size of Tile 600mm x600mm. x10mm.	44.21 Sqm.			Per Square metre	

	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajias, 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).	0.186	Cum				Per cubic metre	
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand) : 3 graded stone aggregate 20 mm nominal size)	0.55	Cum				Per cubic metre	
	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) including carriage of materials within all leads and lifts:-110mm dia.	4.50	Sqm.				Per Square metre	
2	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:-110mm dia.	2.90	Sqm.				Per Square metre	
3	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:-110mm dia.	23.32	kg				per kilogramme	
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. complete including carriage of materials within all leads and lifts. Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent	5.84	Sqm.				Per Square metre	
15	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.	17.60	Rmt.				Per running metre.	
16	Providing and fixing high pressure PVC Finolux 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:-75mm dia.	1.50	Rmt.				Per running metre.	
	(ii) 110mm	14.65	Rmt.				Per running metre.	
17	Providing and fixing PVC single equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- (i) 110mm dia.	7.00	No.				Each	
	(ii) Providing and fixing PVC double equal branch plain ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:- 110mm dia.	2.00	No.				Each	



	j) 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	9.00	No.				Each	
	iv) Providing and fixing PVC door bend with oval access 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.	2.00	No.				Each	
	(v) Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-110mm dia.	12.00	No.				Each	
	(vi) Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts:-75mm dia.	1.00	No.				Each	
	(vii) Providing and fixing PVC Fireolex reducer 3"x4" 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	
8	Providing and fixing 110mm dia PVC Fireolex '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.	10.00	No.				Each	
19	Providing and fixing Hindware Cat No.60002 white vitreous china flat back half stall urinal of size 37.5x39x59cm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern. complete including carriage of materials within all leads and lifts	3.00	No.				Each	
20	Providing and fixing viking made cat No. 40905/40906A 100 mm circular type grating including carriage of materials within all leads and lifts.	8.00	No				Each	
21	Providing and fixing viking made cat No. 5303 waste coupling including carriage of materials within all leads and lifts.	3.00	No				Each	
22	Providing and fixing viking made cat No.6320 urinal spreader including carriage of materials within all leads and lifts.	3.00	No				Each	
23	Providing and fixing viking made cat No.4921 waste pipe polyvinyl chloride(PVC) including carriage of materials within all leads and lifts.	7.00	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.	1.00	No				Each	

	Providing and fixing Hindware made Element starwhite cat no. 92084 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:	1.00	No				Each	
6	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	1.00	No.				Each	
7	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-112.	14.00	No.				Each	
28	Providing and fixing C.P. brass Pillar cock 15mm (fifteen millimetre,) nominal bore including carriage of materials within all leads and lifts:- Ess Ess make bath sense Cat No. MYPC-101	3.00	No.				Each	
29	Providing and fixing health Faucet for water closet including carriage of materials within all leads and lifts:-Cat No. C-232 Y.	1.00	No				Each	
30	Providing and fixing C.P. wall flange/ Cap 15mm nominal bore with fittings including carriage of materials within all leads and lifts.	15.00	No				Each	
31	Providing and fixing Hindware make 56x45 cat no 10049 central hole wash basin mixture including connection fitting complete in all respect of make complete including carriage of materials within all leads and lifts:-	3.00	No				Each	
32	Providing and fixing PVC connection viking make including carriage of materials within all leads and lifts:-Cat No.3018	13.00	No				Each	
33	Providing and fixing vitreous china urinal divisional plate of size 75x16.5x36.5 cat No. HSIL Cat No.61005.including carriage of materials within all leads and lifts.	2.00	No				Each	
34	Providing and fixing viking make 15mm nominal bore waste coupling for urinal including carriage of materials within all leads and lifts. Cat No. 6242	3.00	No				Each	
35	Providing and fixing liquid soap Dispenser of of viking make cat No.1127 including carriage of materials within all leads and lifts	3.00	No.				Each	
36	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.	28.22	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) including carriage of materials within all leads and lifts	3.00	No.				Each	
38	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) 15mm nominal bore.	1.00	No.				Each	
39	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.	10.52	Cum				Per cubic metre	



3	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: old work (one or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	45.14 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	31.60 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.	31.60 Sqm.					Per Square metre	
6	Grinding and rubbing old marble / granite stone complete including carriage of materials within all leads and lifts.	6.17 Sqm.					Per Square metre	
7	Providing and fixing clamp for urinal pot viking made cat No.6353 including carriage of materials within all leads and lifts.	3.00 No.					Each	
8	Providing and fixing extension nipple 0.5"x1" viking made cat No.2201 A including carriage of materials within all leads and lifts	20.00 No.					Each	
9							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, Vidhan Sabha Sub Division HPWD, Shimla-4 otherwise credit for useful materials will be charged.
- iii 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**

18

**Estimated cost:-**  
**Earnest Money:-**  
**Time :-**

**232009.00**  
**2650.00**  
**One Month**

**Name of work:-Special repair to Dai block at DDU Hospital Shimla (SH:-Providing & fixing Cupboards, tiles, marble, shutters, panelling etc to residential accommodation allotted to Sh. Neem Chand) at DDU Hospital Shimla.**

SI. NO.	Description	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.-Two or more coats on new work including carriage of materials within all leads and lifts.	47.28 Sqm			Per square meter	
2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 lit/10 sqm over an under coat of primer applied @0.75 lit/10 sqm of approved brand and manufacture including carriage of materials within all leads and lifts.	14.94 Sqm			Per square meter	
3	Providing and fixing high pressure type-"A" 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	10.00 Rmt			Per running metre.	
4	Providing and fixing PVC Finolex type "A" plain bend ISI marked including fixing with approved adhesive etc. complete including carriage of materials within all leads and lifts (110mm nominal size).	4.00 No			Each	
5	Providing and fixing plain tee including carriage of materials within all leads and lifts. 110mm nominal size.	2.00 No			Each	
6	Providing and fixing Polyethylene-Aluminium- Polyethylene 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 clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of the engineer in charge Concealed work, including cutting chases and making good the wall etc 1216 (16 mm OD) pipe including carriage of materials within all leads and lifts.	10.00 Rmt			Per running metre.	
7	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.	1.00 No.			Each	
8	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 tiles 600x600mm thick including carriage of materials within all leads and lifts.	14.07 Sqm			Per square meter	
9	Providing and fixing 1st quality ceramic glazed wall tiles of size 450x300mm 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 including carriage of materials within all leads and lifts.	20.69 Sqm			Per square meter	
10	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 Area of slab over 0.50 sqm including carriage of materials within all leads and lifts.	1.47 Sqm.			Per square meter	
11	Providing and fixing brass bib cock of approved quality 15 mm nominal bore including carriage of materials within all leads and lifts.	4.00 No.			Each	
12	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.	46.96 Sqm.			Per square metre	



	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Plano hinges IS : 3818 marked with necessary screws including carriage of materials within all leads and lifts	4.42 Sqm.			Per square metre.
14	Providing and fixing 100mm chromium plated brass handles with necessary screws etc. complete including carriage of materials within all leads and lifts.	20.00 No.			Each
15	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.	8.00 Nos.			Each
16	Providing and fixing power coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-in-charge including carriage of materials within all leads and lifts.	12.00 set			Each Set
17	Providing and fixing 100x10mm bright finished brass tower bolts (barrel type) with necessary screws etc. complete including carriage of materials within all leads and lifts.	8.00 Nos.			Each
18	Providing and fixing 0.80mm thick coloured or plain lamination sheet (suminica) on boards/ply wood sheets with approved adhesive and nails etc complete. Including carriage of materials in all leads and lifts.	37.57 Sqm.			Per square metre.
19	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 30 mm thick shutters Klin seasoned and chemically treated 2nd class deodar wood including carriage of materials in all leads and lifts.	6.21 Sqm.			Per square metre.
20	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.	2.16 Sqm			Per square meter
21	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.	20.00 No.			Each
ii)	100mm.	15.00 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) 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

19

Estimated cost:- 319157.00  
Earnest Money:- 6380.00  
Time :- One Month.

Name of work:- S/R to Squash court at Richmond Shimla (SH:- Construction of attached toilet to D.S.O room and Panelling work at Richmond Shimla )

SR. NO	Sub-Head/Item of work.	Qty.	Rate		Unit.	Amount.
			In Figures.	In Words		
1	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 complete including carriage of material within all leads and lifts.	0.52	Sqmr	Per square metre.		
2	Dismantling doors, windows and clerestory windows, ventilators etc. (wood or steel) shutters including chowkhat, architraves, hold fasts and other attachments etc. complete and stacking them including carriage of materials within all leads and lifts.	2.00	No	Each		
3	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 thickness of tiles 10 mm to 25 mm	8.40	Sqmr	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 (i/c equivalent design mix)	0.46	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 coarse sand). 10 graded stone aggregate 40 mm nominal size)	0.46	Cum	Per cubic metre.		
6	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 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.	4.61	Cum	Per cubic metre		
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level including carriage of materials within all leads and lifts. Mild steel and Medium Tensile steel bars	8.30	Kg	Per/Kilogramme		
8	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) complete including carriage of materials within all leads and lifts as per direction of Engineer-in-charge.	10.68	Sqmr	Per square meter		
9	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	0.045	Cum	Per cubic metre		
10	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	0.060	Cum	Per cubic metre		
11	Providing 40x3 mm flat iron hold fast 40cm. Long including fixing to frame with 10mm diameter bolts & nuts and wooden plugs and embedding in cement concrete block 30x10x15cm. 1:3:6 (1 cement : 3 sand: 6 graded stone aggregate 20mm nominal size). Including carriage of materials within all leads and lifts.	8.00	No	Each		
12	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	1.54	Sqmr	Per square meter		



	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 including carriage of materials within all leads and lifts. 250x16 mm	1.00	No			Each	
14	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) 150x10 mm	2.00	No			Each	
15	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 :complete including carriage of materials within all leads and lifts. 125 mm	2.00	No			Each	
16	Providing and fixing 9 mm thick ply wood ceiling/lining with butt jointing and nails (frame work and cove filets to be measured and paid for separately) including carriage of materials within all leads and lifts.	60.39	Sqmt			Per square metre.	
17	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.	60.39	Sqmt			Per square metre.	
18	Melamine polishing on wood work (two or more coat) complete including carriage of material within all leads and lifts as per direction of Engineer-in-charge.	60.39	Sqm.			Per square metre.	
19	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.	8.40	Sqm.			Per Square metre	
20	Providing and fixing 1st quality ceramic glazed wall 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 @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. size 300mmx300mm.	26.22	Sqm.			Per Square metre	
21	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.	21.36	Sqm.			Per square metre.	
22	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.	21.36	Sqmt			Per square meter	
23	Distempering 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	21.36	Sqm.			Per square metre.	
24	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	1.54	Sqmt			Per square meter	
25	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.80 litr/10 sqm over an under coat of primer applied @0.75 litr/10 sqm of approved brand and manufacture	1.54	Sqmt			Per square meter	
26	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	1.00	No.			Each	
27	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 630x450 mm with a pair of 15 mm C.P. brass pillar taps. White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps. Make Cera or Hindware	1.00	No.			Each	
28	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	2.00	No.			Each	





# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 132382.00  
Earnest Money Rs. :- 2650.00

Time:- One Month.

Name of work: - Special repair to DOT Centre at IGMC Shimla. (SH):- Dismantling work providing and laying chequered tiles in path and steps from blood bank side to DOT Centre.)

Sr. No.	Description of Items.	Quantity	Rate	Unit	Amount
1	Dismantling tiled floors laid in mortar upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within all lead (wooden/ concrete joists to be measured and paid for separately) for thickness of tiles upto 25mm including carriage of materials within all leads and lifts.	66.13 Sqm		Per square metre.	
2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of materials within all leads and lifts.	365.00 Kg.		Per kilogramme metre.	
3	Providing and fixing precast pre-polished checkered tiles 25mm thick of MTC make of approved shade, size laid in floors, treads of steps and landings on a bed of 25mm 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) including rubbing and polishing complete with tiles of grey shade including carriage of materials within all leads and lifts.	67.50 Sqm		Per Square metre	
4	15mm 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.	18.32 Sqm.		Per square metre	
5	Finishing walls with Acrylic Smooth exterior paint of required shade : Old work One or more coat complete as per the direction of Engineer-in-Charge including carriage of materials within all leads and lifts.	18.32 Sqm.		Per square metre.	
<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 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.					
<b>Total</b>					

**Executive Engineer**  
Shimla Division No.III  
H.P.W.D. Shimla-3.

# SCHEDULE OF QUANTITY

21

Estimated Cost Rs. :- 174595.00  
Earnest Money Rs. :- 3500.00

Time:- One Month.

Name of work: -Special Repair to Old ENT. Building at IGMC Shimla (SH:-Dismantling Work, Wood work. Commercial Board, PVC. Flooring, steel work, painting and Distemping& Sanitary Work.)

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 1:4:8 or leaner mix (i/c equivalent design mix)	1.82 Cum			Per Cubic Metre	
2	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) Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	2.97 Sqm			Per Square Metre	
3	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 : (i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal	1.82 Cum			Per Cubic Metre	
4	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).including carriage of materials within all leads and lifts.(i) Second Class Deodar Wood	0.090 Cum			Per Cubic Metre	
5	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	2.07 Sqm.			Per square metre	
6	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	4.97 Sqm.			Per square 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.	10.64 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) 100x10mm	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	3.00 No			Each	



0	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	56.00	No				Each	
11	Chequered terrazzo 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) including carriage of material in all leads and lifts as per direction of the Engineer in Charge. (i) Medium shade pigment using 50% white cement, 50% ordinary cement	2.46	Sqm				Per Square Metre	
12	Providing and fixing 1.50mm thick (LG Make) PVC/ Rubber tiles flooring 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.	54.40	Sqm				Per Square Metre	
13	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.	125.20	Kg				Per Kilogram	
14	Providing and fixing precast 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.	10.80	Sqm				Per Square Metre	
15	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.	45.01	Sqm.				Per square metre	
16	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 complete including carriage of materials within all leads and lifts.	45.01	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 complete including carriage of materials within all leads and lifts.	155.23	Sqm				Per Square Metre	
18	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.	115.22	Sqm				Per Square Metre	
19	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 complete including carriage of materials within all leads and lifts.	30.32	Sqm				Per Square Metre	



20	Finishing walls with Acrylic Smooth exterior paint of required shade :(i) Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	97.99	Sqm.					
21	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10litre ( ten litre )low level white PVC flushing cistern, including flush and fixtures complete, including cutting and making good the walls and floors wherever required complete including carriage of materials in all leads and lifts and as directed by the Engineer in Charge:- W.C. pan with ISI marked white solid plastic seat and lid.	1.00	No				Per square metre	
22	Providing and fixing single hole wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32mm 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 630x450 mm with a pair of 15mm C.P. brass pillar taps complete including carriage of materials within all leads and lifts.	1.00	No				Each	
23	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	
24	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete,including carriage of materials within all leads and lifts. (i) 32mm Dia	2.00	No.				Each	
25	Providing and fixing 100mm C.P. grating for floor or nahani trap including carriage of materials within all leads and lifts.	3.00	No				Each	
26	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. Sheet or plywood sheet and fixed to wooden plugs with C.P. Brass screws and washers including carriage of materials within all leads and lifts.	2.00	No				Each	
27	Providing and fixing 600x120x5 mm 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.	2.00	No				Each	
28	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 (i) 510x1040 mm bowl depth 250 mm	1.00	No				Each	
29	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :(i) 15 mm dia nominal bore	9.90	Rmt.				Per Running Metre	
30	Providing and fixing brass bib cock of approved quality :(i)15 mm nominal bore	2.00	No.				Each	
31	Providing and fixing brass Stop Cock cock of approved quality :(i)15 mm nominal bore	3.00	No.				Each	
32	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) including carriage of materials with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge (i) 25 mm nominal bore	6.00	No.				Each	



33	Providing and fixing uplasticised PVC connection pipe with brass unions including carriage of materials within all leads and lifts. (a) 30 Cm. Long(i) 15 mm Nominal bore	2.00	No.				Each	
34	Providing and fixing white vitreous china squatting plate urinal with Integral rim longitudinal flush pipe.including carriage of materials with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge	1.00	No.				Each	
35	Providing and Fixing PVC. Connection Pipe (i) 45 CM. Long 15 mm Dia	2.00	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, 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

SCHEDULE OF QUANTITY

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Name of work: - Special Repair to Armsdale building at H.P. Secretariat Shimla. (SH:- Providing and laying PVC flooring in Room No. A-602, A-225 & A-524 etc.)

Estimated Cost Rs. :- 132957.00  
Earnest Money Rs. :- 2660.00

Time:- One Month.

Sl. No.	Description of items.	Quantity	Rate	Unit	Amount
1	Providing and fixing 1.50mm thick PVC / rubber tiles flooring of LG make or equivalent plain, coloured, carbed or mosaic or matted finish, laid with approved adhesive on sub floor damp proofing treatment (to be measured separately) for payment including carriage of material within all leads and lifts.	149.39 Sqm		Per square metre.	
Conditions:-					
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 Rs. :- 189272.00  
Earnest Money Rs. :- 3790.00

Time :- One Month.

Name of work: -A/R & M/O to Various Residential Building Under Shimla Division No.III SH:- Repair of Sewerage line & Gl. Pipe , Painting etc of Block No. 5 & 6 at barnes court Shimla-2)

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 1.5 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.	19.50 Cum			Per cubic meter	
2	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..	48.00 Rmt			Per Running Metre	
2.1	(i) 110 mm					
	(ii) 150 mm	39.00 Rmt			Per Running Metre	
3	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.	6.00 No.			Each	
3.1	(ii) 150 mm	6.00 No.			Each	
4	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	120.00 Rmt			Per Running Metre	
5.00	Providing and fixing standless steel kitchen sink of size 470mm X 420mm with bowl depth 178mm size 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.	3.00 No.			Each	
6.00	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.	20.00 No.			Each	
7.00	Providing and fixing C.P. brass angle cock 15mm (fifteen millimetre) nominal bore including carriage of materials within all leads and lifts.	20.00 No.			Each	





# SCHEDULE OF QUANTITY

Estimated Cost Rs. :- 499271.00  
Earnest Money Rs. :- 9990.00

Time:- One Month.

Name of work: -Improvement of Geometrics on Navbhar to Holly Lodge Road Km. 0/00 to 2/670(SH:-C/O Retaining wall at RD. 0/063 to 0/069.50)

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 1.5 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	11.70 cum.			Per Cubic Metre	
2	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.	14.95 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 : (a) 1:5:10 (1 cement : 5 coarse sand): 10 graded stone aggregate 40 mm nominal size)	4.49 Cum.			Per Cubic Metre	
4	Centering and shuttering including strutting, propping etc. and removal of form work for : (i) Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses filets, kerbs and steps etc.	60.96 Sqm			Per square meter	
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)	75.15 Cum			Per Cubic Metre	
6	Providing and laying weapholes in brick masonry /stone masonry /plain reinforced concrete abutment, wing wall return wall with 100mm (one hundred )millimetredia PVC pipe extending through the full with of the structures with slop of 1(v):20 (h) towards drawing face complete as per drawings and technical specifications MORD clause 614,,709,1204.3.7 including hauling of materials in all leads and lifts as per the same satisfaction and direction of Engineer-In-Charge.	37.50 Rmt			Per Running Metre	
7	Backfilling behind abutment,wing wall and return wall complete as per specification clause 1204.3.8 including carriage of materials in all leads and lifts as per directions of the Engineer-In-Charge (a) Granular material.	20.67 Cum			Per Cubic Metre	

8	Disposal of moonum/ building rubbish/ malba. Similar unserviceable , dismantled or waste material by mechanical transport including loading, Transporting, unloading to approved Muncipal dumping ground for lead upto 10km. For lalleafis, 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.	18.66	Cum				Per Cubic 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 bureau of Indian standards.							
iv	Recovery of useful bricks 181.00, recovered from site will be charged / deducted from contractor @ Rs. 4.00 Each.							
							<b>Total</b>	

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



**SCHEDULE OF QUANTITY**

**Name of work:-** Special Repair to MBBS. Girls Hostel at Blessington Estate at Lakkar Bazar Shimla(SH:- Providing and Fixing preprinted Sheet, Welded Mesh with steel work etc in Balconey.)

**Estimated Cost:-** Rs.443115/- only  
**Earnest Money :** Rs.8870/-Only  
**Time - One Month**

S.No.	Sub head and items of work	Qty.	Rate	Unit	Amount	
1	2	3	In figure	In words	6	7
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within carriage of material in all leads and lifts:-G.S. Sheet.	64.35	Sqm	Per Square 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 kinds of soil	2.88	cum.	Per Cubic Metre		
3	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 : (i) 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm nominal	1.44	Cum	Per Cubic Metre		
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.	1828.00	Kg	Per Kilogram me		
5	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 H.P.PWD. Specification 1990 Volume-1 including carriage of materials up to all leads and lifts.	46.40	Sqm.	Per Square Metre		
6	Providing and fixing preprinted galvanised steel sheet roofing accessories 0.50mm (+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 including carriage of materials in all leads and lifts:- Ridges plain (500 - 600mm).	8.50	Rmt.	Per Running Metre		

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7	Providing and fixing precast 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 as per the direction of Engineer-in-Charge including carriage of material in all leads and lifts.	66.00	Sqm			Per Square Metre	
8	Providing and fixing 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.	95.20	Sqm			Per Square Metre	
9	Applying priming coat With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	163.55	Sqm			Per Square Metre	
10	Painting two coats (excluding priming cost on new steel and other metal surfaces eith enamel paint brushin to give an even shade including cleaning the surface of all dirt,dust and other foreign matters including carriage of materials with in all leads and lifts complete in all respect as per the direction of Engineer - in Charge. (a) Enamel paint other than white	163.55	Sqm			Per square metre	
	<b>Conditions:-</b>					<b>Total</b>	
<i>i Rates should be quoted for all heights including all leads and lifts for internal and external works.</i>							

- ii Useful materials will be handed over to the Assistant Engineer, Medical Collage Sub Division HP PWD, 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

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Estimated Cost Rs. :- 112028.00  
Earnest Money Rs. :- 2250.00

Time:- One Month.

Name of work: - Special Repair to Block-I, Type-I at Crostopphen Estate Lakkar Bazar Shimla (SH:- RCC. Slab , CC. flooring , Painting and Distemping in Type-I Set No. 1,16,32, and 40 at Croesthophen Estate )

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.	1.46 Cum			Per Cubic 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 :(i) Of sectional area 40 square centimetres and above	0.10 Cum			Per Cubic Metre	
3	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 dully compensated by him in all respect as per direction of Engineer-in-Charge.	1.46 Cum			Per Cubic Metre	
4	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajias, 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).	1.95 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	19.50 Sqm			Per Square Metre	
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level (i) Mild steel and Medium Tensile steel bars	175.50 Kg			Per Kilogram	
7	Structural steel work in single section, fixed with or without connecting plate,including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	342.72 Kg			Per Kilogram	
8	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. (i) 40 mm thick with 20 mm nominal size stone aggregate	39.00 Sqm			Per Square Metre	

9	6 mm cement plaster to ceiling of mix : (i) 1:3 (1 cement : 3 fine sand) including carriage of materials and as per the direction of the Engineer-in-Charge.	19.50	Sqm			Per Square Metre	
10	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat of approved brand and manufacture	7.80	Sqm			Per Square Metre	
11	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.	19.50	Sqm			Per Square Metre	
12	Painting with synthetic enamel paint on steel of approved brand and manufacture of required colour to give an even shade one or more coats including carriage of materials within all leads and lifts.	58.01	Sqm			Per Square Metre	
13	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)	178.80	Sqm			Per Square Metre	
14	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.	71.52	Sqm			Per Square Metre	
15	Distemping 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	19.50	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 conform to bureau of Indian standards.

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