

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

NO.PW.ED.II.GA.TENDER/23-24-
To

1067-69

DATED:-

1/6/2023

The Executive Engineer (IT)
Nirman Bhawan HPPWD
Shimla-2

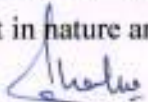
Subject: -

Publication of Tender Notice.

Sir,

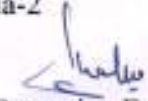
Jai Hind

Please find herewith the tender notice of works as given in the notice inviting tender for uploading on department website as per Notification vide Pr.Secy.(PW) to the Govt.of Himachal Pradesh letter No.PBW(B)1/2020 dated 27th May,2021 and PBW(B)A(3)1/2020 dated 16th July,2021 and even file dated 12.01.2023 as the works mentioned in the tender notice is (are) urgent in nature and in public interest.


Executive Engineer,
Elect. Division No.II
HP PWD, Shimla-1

Copy forwarded for further necessary action to the:-

- 1.The Superintending Engineer, Electrical Circle, HP PWD, Shimla-9 for information please.
2. Computer Cell O/O the Executive Engineer (IT Cell) Nigam Vihar Shimla-2


Executive Engineer,
Elect. Division No.II
HP PWD, Shimla-1

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT
Office of Executive Engineer Electrical Division No-II HPPWD Shimla -171 001
Website: www.hppwd.gov.in e-mail: ee-eled2-hp@nic.in Tel/Fax: 0177-2990187**

No.PW.ED.II.GA.Tender/2023-2024-

Dated:-

NOTICE INVITING TENDER

Sealed percentage rate tenders are hereby invited by the Executive Engineer, Electrical Division NO II HPPWD Shimla-1 in form No.6&8 on behalf of Governor of H.P.for the following works from the contractors of appropriate class enlisted with HPPWD (Electrical). The tenders shall be opened in the presence of contractors/firms or their authorized representative who wish to be present.

TIME SCHEDULE OF TENDER

(i) Last date of receipt of application:	08.06.2023 Up to 1.00 P.M
(ii) Date of sale of tenders	08.06.2023 Up to 2 PM to 5.00 PM
(iii) Last date of receipt of bids: -	09.06.2023 Upto 10.30 A.M
(iv) Date of bid opening: -	09.06.2023 AT 11.30 A.M

The tender form will be issued to only those contractors who qualify the criteria after the scrutiny of application forms by the committee constituted for the purpose.

Work No. (1) C/O Govt.Sr.Secy.School at Irra in Tehsil Chopal Distt.Shimla (SH:Prov.El therein) Estimated cost Rs.2,72,007/- Earnest money Rs.5400/- Time: 1 years. Cost of form Rs.350/NR

Work No. (2)Supply, installation, testing and commissioning of UPS system for communication at IGMCS Shimla(SH:Prov.1KVA UPS for interrupted supply.)Estimated cost Rs. 4,76,000/-Earnest money Rs.9600/-Time: 1 month. Cost of Form Rs.350/NR

Work No.(3)Restoration of burnt up portion of attic floor at New OPD block at IGMCS Shimla(SH:Prov.fire alarm and fire fighting system).Estimated cost Rs.,4,01,940/-Earnest money Rs. 8100/-Time:1 month. Cost of form Rs.350/only

Work No. (4)Restoration of burnt up portion of attic floor at New OPD block at IGMCS Shimla(SH:Prov.CCTV and replacement of NVR therein) Estimated cost Rs.2,02,286/-Earnest money Rs.4100/-Time: 1 month. Cost of form Rs.350/NR

Work No. (5)Restoration of burnt up portion of attic floor at New OPD block at IGMCS Shimla(SH:Providing Central heating therein). Estimated cost Rs.2,34,648/-Earnest money Rs.4700/-Time:1 month. Cost of form Rs.350/NR.

TERMS AND CONDITIONS:-

1. The earnest money in the shape of National Saving certificate. Time deposit account in any of the post office in HP/FDR or any Bank duly pledged in favour of Executive Engineer, Elect Division No II HPPWD Shimla-1 accompanied with the application for receipt of tender form along with cost of form.

2. The contractor/firm should possess the following documents (photo copy to be self attested with application for obtaining the tenders documents.

a) Latest enlistment/renewal orders with application.

b) GST Number issued by the Sale Tax Department.

c) PAN (Permanent Account Number) issued by the Income Tax Department and copy of EPF issued from competent authority.

3. The Executive Engineer, Electrical Division No.II, HPPWD Shimla-1 reserves the right to reject any tender without assigning any reason(s)

4. The Cess charges @ 1% will be deducted from the gross amount of work done of the contractor.

Contd..P.TO...

5. The work will be completed by the contractor within the stipulated period.
6. The tender shall be issued to only those contractor/firms who are eligible suitable and competent.
7. The tender forms shall be issued to eligible contractors depending upon their past performance and work experience which shall be duly evaluated by the technical evaluation committee.
8. The contractor /firm having necessary documents and past adequate experience shall be preferred.
9. The contractor who has failed to start/complete the work already allotted in his favour within stipulated period shall not be issued tender forms.
10. A contractor enlisted in a particular class be eligible to tender for his own class and one step below
11. Only two number tender forms will be issued to the eligible contractor.
12. If any kind of holiday to be happened, the tender shall be opened on the next working day at 11.30 a.m.
13. GST will be deducted as per rates fixed by the Government.

CERTIFICATE:-

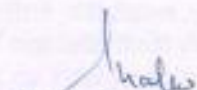
It is to certify that tender for the above works are urgently required please.

1070-1100
dt 1/6/23

Executive Engineer,
Elect. Division No.II,
HPPWD Shimla-1

Copy forwarded for information to the:-

1. Chief Engineer (SZ) HPPWD Simla-2
2. The Superintending Engineer, Ist Electrical Circle, HPPWD Shimla-9.
3. Deputy Commissioner Shimla.
4. All the Assistant Engineers working under this Division.
5. All the intending contractors in HPPWD
9. Notice Board.


Executive Engineer,
Elect. Division No.II,
HPPWD Shimla-1

Estimated cost = 2,72,007/-
 Earnest money 5400/-
 Time = one year

Item Rate BoQ

Validate

Print

Help

Tender Inviting Authority: Executive Engineer, Electrical Division No.II, HPPWD, US Club, Shimla-171001.

Name of Work: C/O Govt. Sr. Sec. School at Irra in Tehsil Chopal District Shimla, H.P. (SH:- Providing E.I. there in.)

Contract No: PW.ED.II.GA.TENDER/22-23-

Dated:-

Name of the Bidder/ Bidding Firm / Company :

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER	TEXT #	NUMBER	TEXT #	NUMBER #	NUMBER	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55

EE]

1.00	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. Gr.'C'						
1.01	Light Point	46.00	Point	1324.00	60904.00	INR Sixty Thousand Nine Hundred & Four Only	
1.02	Fan Point	4.00	Point	1324.00	5296.00	INR Five Thousand Two Hundred & Ninety Six Only	
1.03	Call bell Point	2.00	Point	1324.00	2648.00	INR Two Thousand Six Hundred & Forty Eight Only	
2.00	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit with 2-way, 5/6 amps. piano type switch and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.						
2.01	Twin Control Group C.	4.00	Point	1351.00	5404.00	INR Five Thousand Four Hundred & Four Only	

3.00	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. 2x4 sq mm	53.00	Meter	271.00	14363.00	INR Fourteen Thousand Three Hundred & Sixty Three Only
4.00	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required. 4x4 sq mm	39.00	Meter	400.00	15600.00	INR Fifteen Thousand Six Hundred Only
5.00	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. 2X 1.5 Sq. mm.	144.00	Meter	200.00	28800.00	INR Twenty Eight Thousand Eight Hundred Only
5.01	2x10 sq.m.m.	10.00	Meter	589.00	5890.00	INR Five Thousand Eight Hundred & Ninety Only
5.02	2x16sq.m.m.	4.00	Meter	742.00	2968.00	INR Two Thousand Nine Hundred & Sixty Eight Only

6.00	Supplying and drawing following size of PVC insulated heat resistant HRFR and low smoke single core conductor cable in existing surface/recessed steel/PVC conduit as required. PVC insulated HRFR/LS Copper conductor 1.5 sq.m.m.	20.00	Meter	98.00	1960.00	INR One Thousand Nine Hundred & Sixty Only
7.00	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps, piano type switch, connections, painting etc. as required.5 pin 5/6 Plug	6.00	Each	399.00	2394.00	INR Two Thousand Three Hundred & Ninety Four Only
8.00	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.6 pin 15/16 Power Plug	7.00	Each	539.00	3773.00	INR Three Thousand Seven Hundred & Seventy Three Only
9.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase,230 volts complete as required:-	1.00	Each	286.00	286.00	INR Two Hundred & Eighty Six Only

10.00	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-						
10.01	Single pole.6 Amps Cat-A.	12.00	Each	235.00	2820.00	INR Two Thousand Eight Hundred & Twenty Only	
10.02	Single pole.16 Amps Cat-A.	7.00	Each	235.00	1645.00	INR One Thousand Six Hundred & Forty Five Only	
11.01	MCB DP 40/50/63 Amp	3.00	Each	1147.00	3441.00	INR Three Thousand Four Hundred & Forty One Only	
12.01	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required (i) RCCB 40 Amps Cat A	2.00	Each	2447.00	4894.00	INR Four Thousand Eight Hundred & Ninety Four Only	
	RCCB63 Amps. Cat-A	1.00	Each	3333.00	3333.00	INR Three Thousand Three Hundred & Thirty Three Only	

13.00	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- (i) Double Door 12 Way	1.00	Each	2298.00	2298.00	INR Two Thousand Hundred & Ninety Eight Only
13.01	Double door-16 way	1.00	Each	2985.00	2985.00	INR Two Thousand Nine Hundred & Eighty Five Only
14.00	Earthing with G.I. earth pipe 4.5 mtr. Long and 40mm dia, including accessories and providing masonry encloser with cover plate having locking arrangements and watering pipe etc. but without charcoal or coke and salt complete as required.					
14.01	4.5 mtr. long and 40mm dia	2.00	Set	5084.00	10168.00	INR Ten Thousand One Hundred & Sixty Eight Only
15.00	Extra for using salt and charcoal for pipe earth electrode complete as required.	2.00	Set	1059.00	2118.00	INR Two Thousand One Hundred & Eighteen Only
16.00	Supplying and laying 6 SWG G.I. Wire at 0.50 mtr. Blow ground level for earth electrode conductor, including soldering etc. as required.	10.00	Meter	59.00	590.00	INR Five Hundred & Ninety Only

17.00	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	15.00	Meter	59.00	885.00	INR Eight Hundred & Eighty Five Only
18.00	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:-					
18.01	Exhaust Fan, Light Duty (Domestic) 300 mm sweep	4.00	Meter	2130.00	8520.00	INR Eight Thousand Five Hundred & Twenty Only
19.00	Providing and fixing M.V. Danger notice plate of 200mmx150mm made of mild steel at least 2mm thick, and vitreous enameled white on both sides and with inscription in single red color on front side as required;	5.00	Each	141.00	705.00	INR Seven Hundred & Five Only
20.00	Providing and laying and fixing of one No. aluminium conductor PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc of the required size.					
20.01	Armoured cable 16 sqm.m. [four core]	50.00	R.Mtr.	304.00	15200.00	INR Fifteen Thousand Two Hundred Only
21.00	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe bended to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required:-					

21.01	32 mm dia. G.I. pipe, heavy class	2.00	Each	580.00	1160.00	INR One Thousand One Hundred & Sixty Only
22.00	supplying and fixing electrical switchboard having 3 Nos. of 5 Amp.switches and sockets on suitable size of metal box of 200mmX150mmX75mm deep (Nominal size) on surface or in recess with suitable size phenolic laminated sheet cover in the front v/c providing and fixing 3 Nos.5 pin 5/6 Amp.socket outlet and 5/6 Amp.piano type switch,connections,painting etc.as reqd.(For Computer Point)					
23.00	Providing and installation of following type of ultra slim decorative LED batton with extruded aluminium heat sink,with anti glare polycarbonate diffuser and energy efficient constant integral,electronic driver,suitable for input voltage:AC 220-240 V,50/60Hz,complete with all accessories,including mounting clips & loop in loop out wire,connections,testing and commissioning etc.as required.Make:Philips,Syska,GE,Bajaj,C&S,Panasonic or any other approved by Engineer-in-Charge.	6.00	Each	448.00	2688.00	INR Two Thousand Six Hundred & Eighty Eight Only
23.01	LED Batten light 20 watt. 1200mm	43.00	Each	732.00	31476.00	INR Thirty One Thousand Four Hundred & Seventy Six Only

24.00	Providing and fixing TP&N switch disconnector fuse unit cubical type, 415/500 volts with 3 No.HBC/HRC fuse in sheet steel enclosure including drilling holes on the board connections, earthing the body etc as required.						
24.01	63 Amp. Category-A	1.00	Each	5042.00	5042.00	INR Five Thousand & Forty Two Only	
25.00	Supplying and fixing ceiling rose on the existing junction box/wooden block including connections etc.as required.						
26.00	Supplying and fixing bakelite batten/angle holder including connections etc.as required.	16.00	Each	55.00	880.00	INR Eight Hundred & Eighty Only	
27.00	Supplying and rection of wallmounted metal boards for switch gear mounting of suitable size with permissible variation in size of plus minus 5mm. Welded frame work made of M.S. Angle iron 25mmx25mmx6mm thick with sufficient numbers of horizontal and vertical intermediate members 25mmx6mm thick flate iron including painting and bonding to the existing earth as required.	3.00	Each	66.00	198.00	INR One Hundred & Ninety Eight Only	
		0.50	Sq.Meter	986.00	493.00	INR Four Hundred & Ninety Three Only	

28.00	Supplying and fixing sheet metal bus bar chamber suitable for 63 Amp. 415 volts capacity with 4 No. Copper strips bus bar each of length 300 mm & cross sectional area 16mmx3.17mm enclosure made from 1.6mm thick MS sheet having over all dimension 380mmx350mmx150mm nominal with all accessories including connections, earthing the body etc as required;	1.00	Each	2254.00	2254.00	INR Two Thousand Two Hundred & Fifty Four Only
29.00	Providing and installation of following /Street Light LED luminaire with pressure die cast housing with epoxy power coated dark graphite gray colour finish. Prismatic polycarbonate cover with individual LED lenses and separated energy efficient constant current, non-integral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc. as required. Make: Philips, Syska, GE, Bajaj, C&S, Panasonic or any other approved by Engineer-in-Charge.					
29.01	LED Street Light 45 Watt	3.00	Each	5976.00	17928.00	INR Seventeen Thousand Nine Hundred & Twenty Eight Only
Total in Figures					272007.00	INR Two Lakh Seventy Two Thousand & Seven Only
Quoted Rate in Words					INR Two Lakh Seventy Two Thousand & Seven Only	

Draft Schedule of Quantity approved

for Rs. 2,72,007/- only (Rs. Two Lakh, Seventy Two Thousand, & Seven only.)

(Signature)
Executive Engineer,
Electrical Division No.-II,
HP PWD (U.S.) Shimla-1

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.4,76,000/- only Earnest Money:- Rs.9600/- only Time:- One month						
Name of work:- Supply, installation, testing and commissioning of UPS system for communication at ICMC Shimla. (SH:- Providing 1 KVA UPS for uninterrupted supply.)						
S.No.	Description of Items	Qty.	Unit	In Figures	Rate In words	Amount
1.00	Supply, installation, testing and commissioning of 1 KVA online UPS as required complete including making connections etc. as required complete in all respects. Make:- Numeric / APC / Emerson.	7.00	No.	59400.00	Rs. Fifty Nine Thousand Four Hundred only	415800.00
2.00	Supply, installation, testing and commissioning of 6U rack with minimum with power PDU and fan protection ON / OFF switch and surge protection. Make:- Comrack, D-link, Netrack.	7.00	No.	8600.00	Rs. Eight Thousand Six Hundred only	60200.00
Total:-						476000.00

Draft Schedule of Quantity approved for Rs. 4,76,000/- only (Rs. Four Lakh, Seventy Six Thousand only.)

Subir
 Executive Engineer,
 Electrical Division No.-II,
 HP PWD (U/S Club) Shimla-1

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.2,02,286/- only

Earnest Money:- Rs.4100/- only

Time:- One month

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Name of work:- Restoration of burnt up portion of attic floor at New OPD Block IGMC Shimla. (SH:- Providing CCTV and replacement of NVR therein.)

S.No.	Description of Items	Qty.	Unit	In Figures	Rate In words	Amount
1.00	Supply, Installation, Testing & Commissioning of 5MP IP Network TDN Low-Light IR Fixed Lens Dome Camera, 1/2.8" CMOS or better, 5MP (2592 x 1944) @ 25fps or better, triple stream at various resolution & Frame Rates, Min. Illumination required 0.007 lux (color), 0 Lux IR On, 2 IR LEDs, Smart IR with upto 50m IR distance, Auto ICR (Infrared Cut Filter) 120dB True WDR, S/N Ratio 50db, Shutter Speed 1/8 - 1/30,000; Advance Video Compression technology such as H.265, H.264 & MJPEG, Fixed Lens 2.8mm, Field of View FoV H:90°, V:62°, BLC, HLC, WDR, 3DNR, White Balance - Auto/Manual, Minimum Edge Intelligence Video Analytics : Video Motion Detection, Tampering, Loitering, Intrusion, & People Counting, 4 Privacy Mask, 8 Region Of Interest, Defog, HTTPS, IP Filter, TLS1.2, AES-128/256, SSH/Telnet closed, Stream Encryption, 2-Way Audio Full Duplex Line IN/Out, 256GB SD card support, Alarm: 1In/1out, PoE (802.3 af) and 12V DC, Max 5W, IP 66/67 & IK10 with Die Cast Aluminium Housing, Having Operating temp range : -40°C to 60° C. Certifications: ONVIF Profile S/G/T Compliant, UL/CSA 62368-1, CE (EN 50130-4), FCC Part 15, EN 55032, RoHS (EN63000) & NDAA Section 889. Approved make Bosch/ Axis/ Mobotix / Avigilon/Honeywell make only.	2.00	No.	36000.00	Rs. Thirty Six Thousand only	72000.00

2.00	Supply Installation Testing & Commissioning of 32 channel NVR: support H.265/H.264, incoming bandwidth should be more than 320 Mbps, Rack mountable. The NVR shall allow the establishment of user groups and Enterprise user groups that have access rights to specific cameras, priority for pan/tilt/zoom control, rights for exporting video, and access rights to system event log files. Access to live, playback, audio, PTZ control, preset control, and auxiliary commands shall be programmable on an individual camera basis. Max channel 32 channel, Monitor O/P HDMI/VGA, Video Network H.265/H.264, CE, UL & FCC certified. Approved make Bosch/ Axis/ Mobotix / Avigilon/Honeywell make only.	1.00	No.	125000.00	Rs. One Hundred Twenty Five Thousand only	125000.00
3.00	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface / recessed Steel/ PVC conduit as required. i) 1 run of cable	64.00	Meter	54.00	Rs. Fifty Four only	3456.00
4.00	Supply Installation Testing & Commissioning of 2 Core Power Cable 1.5 sqmm. Make: Finolex / R.R. Kable / Havells	30.00	Meter	61.00	Rs. Sixty One only	1830.00
Total:-						202286.00

*Draft Schedule of Quantity approved
for Rs. 2,02,286/- only (Rs. Two Lakhs, Two Thousand Six Hundred and eighty six only.)*

July
Executive Engineer,
Electrical Division No.-II,
HP PWD (U.S. Club) Shimla-1

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.4,01,940/- only ✓
 Earnest Money:- Rs.8100/- only EE
 Time:- One month

Name of work:- Restoration of burnt up portion of attic floor at New OPD Block at IGMCH Shimla. (SH:- Providing fire alarm and fire fighting system.)

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1.00	SUB HEAD-1- (SPRINKLER & HYDRANT SYSTEM)					
1.01	Fabricating, Supplying, Installation, Testing and Commissioning Air Vessel of continuous welded construction with flanged discharge header on the top of each riser fabricated out of 8 mm thick MS sheet, Air Release Valve complete with suitable drain arrangement with 25 mm dia gun metal ball valve complete with all accessories etc. pressure gauge, synthetic enamel paint of approved shade as required of the following sizes : (The equipment will be insulated.)					
1.02	1.2 Meter high and 250 mm dia	1.00	Each	22367.00	Rs. Twenty Two Thousand Three Hundred Sixty Seven only	22367.00
2.00	Supplying and fixing Single Headed Internal Hydrant Valve oblique pattern with instantaneous Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked, conforming to IS : 5290 (Type A), with 80 mm dia flanged inlet, with ABS cap and chain complete with all accessories etc. as required.	1.00	Each	7981.00	Rs. Seven Thousand Nine Hundred Eighty One only	7981.00

3.00	Supply, Installation, Testing and Commissioning of 63 mm dia. 15 Mtr. Long RRL hose pipe with 63 mm dia. male and female stainless steel couplings duly binded with GI wire rivets etc. ISI marked, IS 636 (type-A) as required.	2.00	Each	6366.00	Rs. Six Thousand Three Hundred Sixty Six only	12732.00
4.00	Supplying and fixing 63 mm dia. Stainless Steel branch pipe with 20mm dia nozzle conforming to IS-903, suitable for instantaneous connections to hose pipe coupling etc. as required.	1.00	Each	2305.00	Rs. Two Thousand Three Hundred Five only	2305.00
5.00	Supplying and Fixing First Aid Hose Reel , wall mounting swinging type complete with drum & bracket of MS construction, spray painted in Post office Red, conforming to IS 884/1995 with upto date amendments, complete with the following as required.					
5.01	36 Meter long 20 mm dia water hose Thermoplastic (Textile reinforced) Type - 2 as per IS : 12585					
5.02	20 mm dia. ball valve & nozzle.					
5.03	Drum and brackets for fixing the equipments on wall.					
5.04	Connection from riser with 40 mm dia (Gun metal) stop valve & M.S. Pipe.	1.00	Each	10741.00	Rs. Ten Thousand Seven Hundred Forty One only	10741.00

6.00	Providing and fixing 15 mm dia chrome plated quartzoid type Sprinkler Head with quartzoid bulb and set to operate at specified temperature.						
6.01	Upright, 68° C	20.00	Each	376.00	Rs. Three Hundred Seventy Six only	7520.00	
6.02	Pendent, 68° C	20.00	Each	364.00	Rs. Three Hundred Sixty Four only	7280.00	
7.00	Supplying and fixing S.S. Flexible drop for sprinklers of length 1200 mm and Dia. 25mm.						
8.00	Supplying, laying, fixing, testing and commissioning of following sizes (NB) of class 'C' M.S. pipes conforming to IS 1239 and 3589 including cutting, threading, welding etc. and providing all fittings e.g. elbows, reducers, clamps, hangers, flanges, gaskets, nuts, bolts and washers etc. including painting of pipes and fittings with red paint over a coat of ready mixed primer, both of approved quality and shade including cutting holes and chases in brick or RCC walls/slabs and making good the same etc. complete in all respect as required.	20.00	Each	1914.00	Rs. One Thousand Nine Hundred Fourteen only	38280.00	
8.01	150 mm dia	1.00	Meter	3298.00	Rs. Three Thousand Two Hundred Ninety Eight only	3298.00	
8.02	80 mm dia	28.00	Meter	1872.00	Rs. One Thousand Eight Hundred Seventy Two only	52416.00	
8.03	25 mm dia	35.00	Meter	589.00	Rs. Five Hundred Eighty Nine only	20615.00	

9.00	Supplying, Installation, Testing and Commissioning of Butterfly valves of PN 1.6 rating of following sizes with EPDM rubber lining seat and CF-8 stainless steel disc duly ISI marked and stainless steel stem with lever/gear operation and cast iron body in powder coated finish for fire fighting application complete in all respects conforming to IS: 13095 as required.					
9.01	150 mm dia	1.00	Each	8822.00	Rs. Eight Thousand Eight Hundred Twenty Two only	8822.00
10.00	Supply, Installation, Testing & Commissioning of Analogue addressable type self acclimatising smoke Detector with base etc as per specifications as required .	20.00	Each	3986.00	Rs. Three Thousand Nine Hundred Eighty Six only	79720.00
11.00	Supply, Installation, Testing & Commissioning of fault isolator for isolating shorted, dewired and loose circuit between to successive fault isolator with automatic resetting arrangement including base etc as per specification as required.	1.00	Each	3564.00	Rs. Three Thousand Five Hundred Sixty Four only	3564.00
12.00	Supply, Installation, Testing & Commissioning of Relay Module for isolating shorted, dewired and loose circuit between to successive fault isolator with automatic resetting arrangement including base etc as per specification as required.	1.00	Each	3693.00	Rs. Three Thousand Six Hundred Ninety Three only	3693.00

13.00	Supply, Installation, Testing & Commissioning of Control Module for isolating shorted, de-wired and loose circuit between to successive fault isolator with automatic resetting arrangement including base etc as per specification as required.	1.00	Each	3283.00	Rs. Three Thousand Two Hundred Eighty Three only	3283.00
14.00	Supply, Installation, Testing and Commissioning of Addressable Loop Powered Sounder or (Sounder with addressable module & supervised power supply) with minimum 8 distinct sound patterns to indicate exit doors and direct occupants for safe and fast evacuation with inbuilt isolator or isolator module complete as required .	3.00	Each	6773.00	Rs. Six Thousand Seven Hundred Seventy Three only	20319.00
15.00	Supply, Installation, Testing and Commissioning of Addressable Strobe lights or Strobe with addressable module .(UL 9th Edition /Vds approved) with inbuilt isolator or isolator module complete as required .					
15.01	Supplying, installation, testing & commissioning of Self illumination EXIT Signage's 4" x 12 " size					
15.02	Exit sign	4.00	Each	1331.00	Rs. One Thousand Three Hundred Thirty One only	5324.00
16.00	SUB-HEAD -IV - PUBLIC ADDRESS SYSTEM					

17.00	Supply, Installation, Testing and Commissioning of 6 watt ceiling mounted speaker complete with ceiling arrangements and all accessories etc. As per specifications complete as required.	5.00	Each	3296.00	Rs. Three Thousand Two Hundred Ninety Six only	16480.00
18.00	Supply, Installation, Testing and commissioning of 2C x 1.5 sq.mm fire survival FRLS armoured cable.	400.00	Meter	188.00	Rs. One Hundred Eighty Eight only	75200.00
Total:-						401940.00

*Draft schedule of quantity approved
for Rs 4,01,940/- only (As Four Lakh one Thousand,
Nine hundred & forty only.)*

Indu
Executive Engineer,
Electrical Division No.-II,
HP PWD (U.S.) Club Shimla-1

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.2,34,648/- only Earnest Money:- Rs.4700/- only Time:- One month				
Name of work:- Restoration of burnt up portion of attic floor at New OPD Block IGMC Shimla. (SH:- Providing central heating therein.)				
S.No.	Description of Items	Qty.	Unit	Rate
				In Figures In words
1.00	Supplying, installation, testing & commissioning of compact type, Hi static Hiwall mounted power coated hot water fancy Forced air radiator unit of following capacity free air discharge capacity complete with fan blower suitable for operation on single phase 230 V 50 Hz AC supply complete with finned hot water finned coil. air filter washable complete with modulating valve / 3/4 " brass ball valve with strainer on inlet and 3/4" brass ball valve on outlet complete as required.(Ventair/ Rapidcool /Gaps LTI)	4.00	Each	Rs. Thirty Five Thousand Five Hundred Sixty Two only 142248.00
1.01	4500 KCAL			
2.00	Supply, installation, testing and commissioning of glass wool insulation on existing hot water piping aThe piping shall be insulated with 80Kg/ M.Cub. section density fiberglass insulation finally covered Al Cladding complete as required			
2.01	25 mm pipe with 50 mm insulation.	105.00	P/Meter	Rs. Eight Hundred Eighty only 92400.00
	Total:-			234648.00

*Draft Schedule of quantity approved
for Rs 2,34,648/- only (Rs Two Lakhs Thirty four
Thousand, Six hundred & forty eight only)*

Executive Engineer,
Electrical Division No.-II,
HP PWD (U.S.) Shimla-1