

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

No.PW.-ESD. (MC)/Tender/ 2025 -26

8/2-14

Dated:- 25/11/25

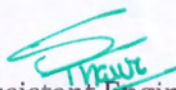
To

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

Subject: - Publication of Tender Notice.

Jai Hind

Please find enclosed 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.


Assistant Engineer,
M.C. Elect. Sub-Division,
HPPWD, Snowdon Shimla.

Copy forwarded for information and further necessary action to:-

1. The Executive Engineer, Electrical Division No-II, HPPWD, Shimla-1.
2. Computer Cell O/O the Executive Engineer (IT Cell), Nirman Bhawan, Nigam Vihar, Shimla-2.

1
Assistant Engineer,
M.C. Elect. Sub-Division,
HPPWD, Snowdon Shimla.

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

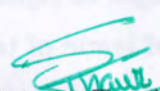
'NOTICE INVITING TENDER'

Sealed Percentage rate tender on the prescribed form, terms and conditions mentioned in form- 6 & 7 ,8 are hereby invited for the following works by the undersigned from the approved firms/contractors, so as to reach in the office of the undersigned (i)Tender documents consisting of plans classes of work to be done and set of terms and conditions of contract to be complied with by the contractor/firms whose tender may be accepted and other necessary documents can be seen in the office of the Assistant Engineer between hours of 11.00 AM to 4.00 PM except on Sundays and public holidays. (2) The contractor who are not registered under HP general sale tax Act, 1968 and have not cleared all the dues on account of sale tax shall not be issued the tender documents. (3) The contractor who has no registration certificate with Excise and taxation department of HP will not be issued the tender documents (4) Tenders placed in sealed envelope with name of work and due date written on the envelope will be received by the undersigned and will be opened by him or his authorized representative in his office in the presence of contractors, present if any. (5)The earnest money in the shape of NSC/Time deposit account /saving account in any of the post offices of HP duly pledged in favour of undersigned must accompany with the tender in the separate envelope. The tenders without earnest money will summarily be rejected. (6)) In case of holiday, the tenders shall be received and opened on the next working day.(7)Tenders of contractors who quote two or more than two rates for any item of work shall be rejected. (8) The competent authority on behalf of Governor of H.P reserves the right to reject any or all the tenders received without assigning any reason.

- (i) Last date of issue of tender documents: - 03.12.2025 Up to 5.00 P.M
(ii) Last date of receipt of bids: 04.12.2025 Up to 10.30 A.M
(iii) Date of bid opening: 04.12.2025 AT 11.30 A.M

S. N.	Name of work	Estimated cost	Earnest money	Time	Eligible class of registration
1.	R/M of 100 KVA DG set installed at old cancer hospital building (SH:- Replacement of damaged control cable, engine oil pressure sensor, magnetic pickup sensor, engine wiring harness, engine temperature sensor, control relay etc.)	Rs.72,413/-only	Rs.1500/-only	2 weeks	Specialized Job
2.	Providing and carrying out diagnostic inspection of existing AVAYA IP-PBX system exchange at IGMC Shimla-171001.	Rs.88,650/-only	Rs.1800/-only	One Week	Specialized Job
3.	Providing & fixing of Schneider Preface HMI (4.3"), Under-voltage (UV) Coil and Under -Voltage (UV) release for the DG set control/synchronization panel at New OPD, at IGMC Shimla	Rs.93,337/-only	Rs.1900/-only	15 Days	Specialized Job

4.	Providing & fixing of terminal blocks and 1 sq.mm cable tie (LUX LUG) & carrying out PLC and SCADA Programming for 2 Nos. 500KVA DG sets and 1 No 250 KVA DG set at New OPD, IGMC Shimla	Rs.90,457/-only	Rs.1800/-only	15 Days	Specialized Job
5	Refilling of existing fire extinguisher UG/PG Girls Hostel A-Block at IGMC Shimla-171001	Rs.45,650/-only	Rs.1000/-only	One Month	Specialized Job
6	Providing & replacement of unserviceable geysers, exhaust fans and LED Battens in UG/PG Girls Hostel at IGMC Shimla	Rs.99,802/-only	Rs.2000/-only	One Month	C & D
7	Special repair to CCTV Cameras installed in New OPD Block and Trauma Building at IGMC Shimla HP	Rs.59,745/-only	Rs.1200/-only	One Month	Specialized Job
8	Providing repair to OTIS Lift (M009838) at medical college building under IGMC Shimla (SH:- Providing Lift Control Box, Door Protection with Harness Cable, Mounting kit Door protect, Sight guard for Car Door, and Landing Door Buttons etc. therein.)	Rs.71,840/-only	Rs.1500/-only	Three Months	Specialized Job
9	Replacement of non functional geysers in Department of Medicine, MMU-2,3 (Block-D), MSU-2 (Block-C), Male Pulmonary ward, Male ENT ward (Block-E) under IGMC Hospital complex Shimla-1.	Rs.99,798/-only	Rs.2000/-only	2 weeks	C & D
10	Providing low noise ventilating fans in Male Pulmonary ward (Block-E) and replacement of non functional exhaust fans in Medicine ICU, FMU-1, MMU-2,3 (Block-D) at IGMC Shimla.	Rs.98,646/-only	Rs.2000/-only	One Month	C & D
11	Providing EI in Asstt. Warden Accommodation (Dental Collage) and replacement of burnt circuits in 2 nd floor (Dental Collage) block-A at new Girls hostel Blessington, Lakkar Bazar Shimla.	Rs.76,044/-only	Rs.1600/-only	One Month	C & D

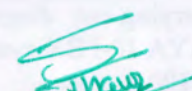

Assistant Engineer,
Electrical Sub-Division.
HPPWD, Snowdon

No.PW.-ESD. (MC)/Tender/ 2025 -26- 797-811

Dated:- 25/11/25

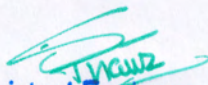
Copy forwarded for information to the following:-

1. The Executive Engineer, Elect. Division No.II, HPPWD Shimla-1.
2. All the JE's under this Sub. Divn.
3. The Income tax Officer, Shimla
4. All the approved contractors/firms/President Contrs./Association.
5. Notice Board.


Assistant Engineer,
Electrical Sub-Division.
HPPWD, Snowdon

CERTIFICATE: -

**IT IS CERTIFIED THAT THE TENDER FOR ABOVE WORK IS URGENTLY
REQUIRED IN PUBLIC INTEREST.**


Assistant Engineer,
M.C. Elect. Sub-division,
HPPWD, Snowdon, Shimla

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:-Rs ~~73,454~~ Only

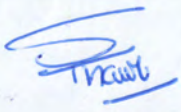
Earnest Money:-Rs1500/-Only

Time:- Two weeks

Name of work : - R/M of 100 kVA DG set installed at old cancer hospital building (SH:- Replacement of damaged control cable, engine oil pressure sensor, magnetic pickup sensor, engine wiring harness, engine temperature sensor, control relay etc.)

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In Words	
1	Providing & Laying of PVC Insulated, FRLS Round Sheathed Multi Core Industrial Flexible Cables conforming to IS 694:2010 with Bright Annealed Copper Conductor for Voltage Grade 1100 Volts of following sizes on wall surface as required.					
1.01	1.5 Sq.mm 8 core	40	Meter	202 228.00	Rs. Two Hundred Twenty Eight only	8080 9120
2	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. including laying the pipe as surface/recess as required complete at site.					
2.01	DWC pipe 40 mm.	40	Meter	40.00	Rs. Forty only	1600
3	Supply, installation, testing and commissioning of engine oil pressure sender sensor in the 100 kVA Cummins DG set, enabling accurate monitoring and protection of the engine's lubrication system.	1	each	7069.86	Rs. Seven Thousand Sixty Nine only & Thirty Six Paise only	7069
4	Supply, installation, testing and commissioning of magnetic pickup sensor in the DG set, used to detect engine flywheel speed and provide accurate RPM signals to the control system for monitoring and governing.	1	each	2785.24	Rs. Two Thousand Seven Hundred Eighty Five only & Twenty Four Paise only	2785
5	Supply, installation, testing and commissioning of the engine wiring harness in the DG set, ensuring reliable electrical connections between sensors, actuators, and the control panel for efficient engine operation and monitoring.	1	each	20579.00	Rs. Twenty Thousand Five Hundred Seventy Eight only & Seventy Paise only	20579

	Supply, installation, testing and commissioning of of the engine temperature sensor in the DG set, enabling accurate monitoring of coolant temperature and providing signals for engine protection against overheating.	1	each	6284.28	Rs. Six Thousand Two Hundred Eighty Four only & Twenty Eight Paise only	6284
7	Supply, installation, testing and commissioning of the three-phase current transformer kit (KIT, CT, F3, 3PH) in the 100 kVA DG set, used for precise measurement of load current in each phase and for providing input signals to the metering and protection system.	1	each	13690.69	Rs. Thirteen Thousand Six Hundred Ninety Seven only & Sixty Four Paise only	13698
8	Supply, installation, testing, and commissioning of the control relay in the 100 kVA DG set, used for switching and controlling various electrical circuits, ensuring safe and reliable operation of the generator system.	1	each	7011.82	Rs. Seven Thousand Eleven only & Eighty Two Paise only	7012
9	supply, installation, testing, and commissioning of the transformer wiring harness in the 100 kVA DG set, ensuring secure and efficient electrical interconnections between the transformer and associated control/protection circuits.	1	each	2514.20	Rs. Two Thousand Five Hundred Fourteen only & Twenty Paise only	2514
10	SITC of harness AC involves the supply, installation, testing, and commissioning of the AC wiring harness in the 100 kVA DG set, facilitating safe and reliable electrical connections for the generator's AC output and associated control circuits.	1	each	2602.34	Rs. Two Thousand Six Hundred Two only & Thirty Four Paise only	2602
11	supply, installation, testing, and commissioning of the sensor adapter in the 100 kVA DG set, providing the required mounting interface and secure connection between the sensor and engine/system components for accurate signal transmission.	1	each	190.46	Rs. One Hundred Ninety only & Forty Six Paise only	190
	Total					73454 72413


 Assistant Engineer,
 M.C. Elec. Sub-Division,
 HPPWD, Shimla-1

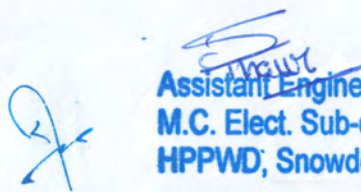
Draft schedule of quantity approved for RS 72413/- only.
 (RS Seventy Two Thousand, four hundred, & three paise only.)

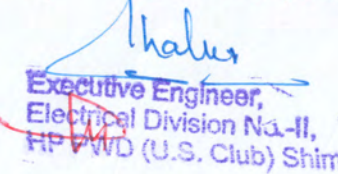

 Executive Engineer,
 Electrical Division No.-II,
 HP PWD (U.S. Club) Shimla-1

Draft Schedule of Quantity						
Name of Work:-Providing and carrying out diagnostic inspection of existing AVAYA IP-PBX system exchange at IGMC Shimla-171001 (H.P.)						
				Estimated Cost:- ₹98500/-		
				Earnest Money:- ₹2000/-		
				Time :- 1 Week		
S.No	Description of items	Qty.	Unit	Rate		Item No
				In Figure	In Words	
1	Providing and carrying out diagnostic inspection of existing AVAYA IP-PBX system exchange, expansion modules, and IP extensions to identify faults and configuration issues. System software update/firmware upgrade for AVAYA IP-PBX main exchange and expansion cards, including uploading latest version compatible with existing infrastructure. Programming and configuration of extensions, call routing, voicemail, trunk lines, and other features as per site requirements. Testing and commissioning of complete IP telephony system ensuring all telephones are functional and network integrated. Labour and incidental charges including data cabling checks, patch panel verification, and necessary IP configuration assistance.	1	Job	88650	Eighty eight Thousand six hundred & fifty only.	88650
Total				98500.00	Eighty Eight Thousand Five Hundred only	98500.00

88650/-
1800/-

Draft schedule of quantity approved for Rs 88,650/-
Rs. (Eighty eight Thousand six hundred & fifty only.)


Assistant Engineer,
M.C. Elect. Sub-division,
HPPWD, Snowdon, Shimla


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

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.93,337/- only

Earnest Money:- Rs.1900/- only

Time:- 15 Days

Name of work:- Providing & fixing of Schneider Proface HMI (4.3"), Under-Voltage (UV) Coil and Under-Voltage (UV) Release for the DG set control/synchronisation panel at New OPD, IGMC Shimla (H.P.) – 171001.

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1.00	Providing and fixing of Schneider Proface HMI (4.3") in the existing synchronising panel, including supply, installation, programming, configuration, testing and commissioning, along with all required accessories, wiring, terminations, mounting hardware, and making necessary connections to the existing control system, complete in all respects as per site conditions and the direction of the Engineer-in-Charge.	1.00	Each	29193.00	Rs. Twenty Nine Thousand One Hundred Ninety Three only	29193.00
2.00	Providing and fixing of Under Voltage (UV) coil suitable for an ABB Air Circuit Breaker (ACB) in the existing LT panel, including supply, installation, wiring, terminations, testing and commissioning, making all necessary connections and adjustments to ensure proper operation, complete in all respects as per site requirement and the direction of the Engineer-in-Charge.	3.00	Each	13432.00	Rs. Thirteen Thousand Four Hundred Thirty Two only	40296.00
3.00	Providing and fixing of Under-Voltage (UV) Release accessory suitable for L&T Omega ACB, including supply, installation, wiring, terminations, testing and commissioning, making all necessary connections and adjustments to ensure proper functionality, complete in all respects as per site conditions and the direction of the Engineer-in-Charge.	2.00	Each	11924.00	Rs. Eleven Thousand Nine Hundred Twenty Four only	23848.00
Total:-						93337.00

Assistant Engineer
M.C. Elect. Sub Division
HPPWD, Snowdon, Shimla-1

Draft schedule of quantity approved for Rs. 93,337/-
(Rs Ninety Three Thousand, Three hundred & Thirty seven only.)

Executive Engineer,
Electrical Division No.-II,
HP PWD (U.S. Club) Shimla-7

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:- Rs.90,457/- only

Earnest Money:- Rs.1800/- only

Time:- 15 Days

Name of work:- Providing and fixing of terminal blocks and 1 sq.mm cable tie (LUX LUG) & carrying out PLC and SCADA programming for 2 Nos. 500 kVA DG sets and 1 No. 250 KVA DG set at New OPD, IGMCI Shimla (H.P.) –171001.

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In words	
1.00	Providing and fixing of terminal blocks and 1 sq.mm cable tie (LUX LUG), including supply, installation, wiring, terminations, testing and commissioning, and making necessary integrations with the existing PLC/control system, complete in all respects as per site conditions and the direction of the Engineer-in-Charge.	1.00	Each	34264.00	Rs. Thirty Four Thousand Two Hundred Sixty Four only	34264.00
2.00	Providing and carrying out PLC and SCADA programming for 2 Nos. 500 kVA DG sets and 1 No. 250 kVA DG set, including development and uploading of logic, communication configuration, system integration with the existing synchronisation panel, functional testing, trials and commissioning, complete in all respects as per site conditions and the direction of the Engineer-in-Charge.	1.00	Each	56193.00	Rs. Fifty Six Thousand One Hundred Ninety Three only	56193.00
Total:-						90457.00

[Signature]
 Assistant Engineer
 M.C. Elect. Sub Division
 HPPWD, Snowdon, Shimla-1

*Draft schedule of quantity approved for
 RS 90,457/- only. (RS Ninety Thousand, four
 hundred & fifty seven only.)*

[Signature]
 Executive Engineer,
 Electrical Division No.-II,
 HPPWD (U.S. Club) Shimla-1

Draft Schedule of Quantity						
					Estimated Cost:-Rs.45650 Only	
					Earnest Money:-1000 Only	
					Time:- One Month	
Name of Work:- Refilling of existing Fire Extinguisher UG PG Girls Hostel A- Block at IGMCM Shimla-171001 (H..P.)						
				Rates		
Sr. No	Description of items	Qty.	Units	In Figuir	In word	Amount
1	Providing and refilling of following types and capacity fire extinguishers complete including carriage from site to workshop and vice versa complete in all respect as required.					
1.01	CO2 Type fire extinguishers 4.5 kg	9	each	1450	Rs. One Thousand Four Hundred Fifty Only	13050
1.02	water Co2 type fire extinguisher 9 Litre capacity	8	each	750	Rs. SevenHundred Fifty Only	6000
1.03	ABC Type Fire extinguisher 4 Kg	28	each	950	Rs. Nine Hundred Fifty Only	26600
	TOTAL					45650

Draft Schedule of quantity approved for
 Rs. 45,650/- only. (Rs. Forty five Thousand.
 Six hundred, & fifty only.)

S. Kaur
 Executive Engineer,
 E.E. Elect. Sub. Division,
 HPWD Snowdon Shimla-1

Chatur
 Executive Engineer,
 Electrical Division No.-II,
 HPWD (U.S. Club) Shimla-1

Draft Schedule of Quatity

Estimated cost:-Rs.99802 Only						
Earnest Money:-2000 only						
Time:One month						
Name of work:- Providing & replacement of Unserviceable geysers, exhaust fans and LED Battens in UG/PG Girls Hostel at IGMCM Shimla (H.P.)						
S.No.	Description of Items	Qty.	Unit	Rates		Amount
				In	In Words	
1.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required with 5 years warranty on geyser tank.					
1.01	35 Liter capacity water heater (Cat-A)	3.00	Each	23089	Rs. Twenty Three Thousand Eighty Nine Only	69267
2	Providing and installation of following type of ultra slim decorative LED Batten suitable for 100 lumens/watt with minimum 2 year warranty with extruded aluminium heat sink, with antiglare polycarbonate diffuser and energy efficient constant current, integral electronic driver, suitable for input voltage: 220-240 V, 50/60 Hz, complete with all accesories, including mounting clips & loop in loop wire, connections, testing and commissioning etc. as required. Make: Philips , Syska, GE, Bajaj, C &S, Panasonic or any other approved by Engineer-in-Charge:					

2.01	LED Batton 18/20 Watt	20	Each	651	Rs. Six Hundred Fifty One Only	13020
3	Providing and installation of exhaust fan of following sizes in the existing opening, Double ball bearing type metal fram including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of approved make Heavy Duty Type-					
3.01	Exhaust Fan, heavy duty, (Domestic) 300 mm sweep	5	each	3503	Rs. Three Thousand Five hundred Three	17515
	Total					99802

S. K. Singh
 S. K. Singh,
 H.O. Elect. Sub. Division,
 HP PWD Sewardon Shimla-1.

Draft Schedule of quantity approved for
 Rs. Ninty Nine Thousand, eight hundred
 & Two only.)

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

Draft Schedule of Quantity

Name Of Work:- Special repair to CCTV Cameras installed in New OPD Block and Trauma building at IGMCH Shimla (HP)-171001

Estimated Cost:-Rs 59745 Only

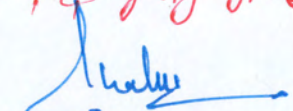
Earnet Money :- Rs. 1200 Only

Time :- One Month

Sr. No.	Description	Qty.	Unit	Rate		Amount
				In Figure	In Words	
1	Providing repaur of non fuctional Cameras including repairing / replacement of IC's diode transitors,mother board ,new track cretion with mother board repair complete in all respect .TheJob shall include opening and refixing of the CCTV Cameras at the desired location to the best satisfaction of Engineer in Charge	15.0	1 Job	3983	Rs. Three Thousand Nine Hundred Eighty Three Only	59745.00
	Total					59745.00


S.S. Elect. Sub. Division,
HPWD Snowdon Shimla-1

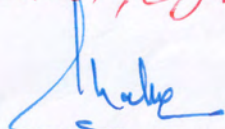
Draft schedule of quantity approved for
Rs. 59,745/- only (Rs. Fifty Nine Thousand,
seven hundred, & forty five only.)


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

DRAFT SCHEDULE OF QUANTITY						
					Estimated Cost:-Rs 71840/-Only ✓	
					Earnest Money:-Rs1500/-Only	
					Time:- 3 months ✓	
Name of work : - Providing repair to OTIS Lift (M009838) at medical college building under IGMC Shimla(SH:- Providing Lift Control Box, Door Protection with Harness Cable, Mounting Kit Door Protect , Sight Guard for Car Door, and Landing Door Buttons etc therein.)						
S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In Words	
1.01	Supplying ,installation, testing & commisioning of Lift Control Box, Door Protection with Harness Cable, and Mounting Kit Door Protect (TLD) , Sight Guard for Car Door (2 Nos.) and Landing Door Buttons (2 Nos.) complete job with connections as required and as per the satisfaction of Engineer-in-Charge.	1 ✓	Job	71840 ✓	Rs. Seventy One Thousand Eight Hundred Forty only ✓	71840 ✓
	Total					71840 ✓


 Assistant Engineer
 M.C. Elect. Sub Division
 HPWD, Snowdon, Shir

Draft Schedule of Quantity approved for Rs. 71,840/-
 (Rs. Seventy one Thousand, eight hundred, & forty only)


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

DRAFT SCHEDULE OF QUANTITY						
				Estimated Cost:-Rs99798/-Only ✓		
				Earnest Money:-Rs2000/-Only ✓		
				Time:- Two weeks ✓		
Name of work : - Replacement of non functional geysers in Deptt of Medicine,MMU-2,3 (Block-D) , MSU-2(Block-C),Male Pumonary ward, Male ENT ward (Block-E) under IGMH Hospital complex Shimla-1						
S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In Words	
1	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:-					
1.01	25 Liter capacity water heater (Cat-A)	6 ✓	each	14683 ✓	Rs. Fourteen Thousand Six Hundred Eighty Three only ✓	88098 ✓
2	Providing Geyser Element with all required connections with installation at site complete in all respects as per the satisfaction of Engineer-in-Charge:	9 ✓	each	800 ✓	Rs. Eight Hundred only ✓	7200 ✓
3	Providing Geyser Thermostate with all required connections with installation at site complete in all respects as per the satisfaction of Engineer-in-Charge:	9 ✓	each	500 ✓	Rs. Five Hundred only ✓	4500 ✓
	Total					99798 ✓

Note:- Less dimental material credit amounting to Rs. 500.00/- only.

Handwritten Signature
 Assistant Engineer,
 E.C. Sec. Sub Division,
 HP PWD, Snowdon Shimla-1

Draft Schedule of Quantity approved for Rs 99,798/-
 (Rs Ninety Nine Thousand, Seven hundred & Ninety eight only.)

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

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:-Rs 98646/-Only ✓

Earnest Money:-Rs2000/-Only ✓

Time:-One Month ✓

EE

Name of work : - Providing low noise ventilating fans in Male Pulmonary ward (Block-E) and replacement of non functional exhaust fans in medicine ICU, FMU-1, MMU2,3 (Block-D) at IGMC Shimla.

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In Words	
1.00	Providing and installation exhaust fan of following sizes in the existing opening. Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as					
1.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	9	Meter	2495	Rs. Two Thousand Four Hundred Ninety Five only	22455
2	Providing and installation ventilating 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: of Approved Make					
2.01	Ventilating Fan.250 mm sweep	15	Meter	2196	Rs. Two Thousand One Hundred Ninety Six only	32940
3	Providing and installation exhaust fan of following sizes in the existing opening. Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: of Approved Make Heavy Duty type.Orient, Havells, Goldmedal, Bajaj & atomberg.					
3.01	Exhaust Fan, Heavy duty, 300 mm sweep (900/1400rpm)	2	each	3503	Rs. Three Thousand Five Hundred Three only	7006

4	Supplying and fixing following rating Piano-type switch /socket on the existing switch box / cover including connections etc. as required.					
4.01	S.P. 15/16 Amps one way switch, porcelain base/ piano type.	10	Meter	94	Rs. Ninety Four only	940
4.02	6 pin 15/16 Amps socket outlet, porcelain base/ piano type.	10		110	Rs. One Hundred Ten only	1100
4.03	15/16 Amps 3 pin plug top	10	Each	115	Rs. One Hundred fifteen only	1150
5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
5.01	15/16 amp switch	5	each	143	Rs. One Hundred Forty Three only	715
5.02	3 pin 5/6 amp socket outlet	5		114	Rs. One Hundred Fourteen only	570
5.03	6 pin 15/16 amp socket outlet	5	Meter	186	Rs. One Hundred Eighty Six only	930
6	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser, complete with all accessories, connections, testing etc. as required of Approved Make Philips, havells ,Wipro , Bajaj, Panasonic, Goldmedal & Chengi. as per following specification.					
	Wattage of LED fittings- As per following parameters					
	Total lumens of the LED fittings- as per individual fittings mention below					
	Diffuser-polycarbonate diffuser/PMMA					
	Operating voltage-140V to 270V, AC supply					
	Input frequency-50 Hz + 1 Hz					
	Power factor-Minimum 0.90					
	Luminaire efficacy->100 lm/w					
	Color rendering index-CRI shall be greater than 80					
	Working/ operating temperature-0 to + 45c or better					
	Color temperature-6000K to 10%					
	Electronic Driver					
	Drive current (LED)-As per OEM.					
	Operating voltage-140 V to 270 V AC supply or better					

	Type of driver-Constant current output driver				
	THD-Less than 10%				
	Surge Protection-2.5 KV minimum				
	Efficiency Driver->85%				
	Protection-Shall have under voltage and over voltage protection.				
	Guarantee of LED fittings including LED driver-2 years against manufacturing defect.				
	Fixture-Should comply with LM 79 test from NABL/UL lab.				
	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.				
	Life of LED-25000 burning hours at 70% lumen maintenance				
6.01	LED Batten Light >2000 Lumens.	40	each	631	25240
7	Providing Geyser Element with all required connections with installation at site complete in all respects as per the satisfaction of Engineer-in-Charge:	7	each	800	5600
	Total				98646

[Signature]
Assistant Engineer
M.C. Elect. Sub Division
APPWD, Snowdon, Shir

Note:- Less dismantle material credit amounting to Rs 500/- only

Draft Schedule of quantity approved for
Rs 98646/- (Rs Ninety eight Thousand six hundred,
& forty six only.)

[Signature]
Executive Engineer,
Electrical Division No.-II,
RP PWD (U.S. Club) Shimla-1

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:-Rs 76044/-Only ✓

Earnest Money:-Rs1600/-Only ✓

Time:-One Month ✓

EE

Name of work : - Providing EI in Asstt. Warden Accomodation (Dental College) and replacement of burnt circuits in 2nd floor (Dental College) block-A at new Girls Hostel Blessington , Lakkar Bazar Shimla

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In Words	
1	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated isheet cover in FRLSont including providing and fixing 6 pin 5/6 & 15/16 A socket ou tletand 15/16 A piano type switch, connection, painting etc. as required.	1 ✓	each	431 ✓	Rs. Four Hundred Thirty One only ✓	431 ✓
2	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 2 No 3 pin 5/6 amps socket outlet and 2 No 5/6 amps piano type switch, connection, painting etc. as required.	1 ✓	each	639 ✓	Rs. Six Hundred Thirty Nine only ✓	639 ✓
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
3.01	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	33 ✓	Meter	315 ✓	Rs. Three Hundred fifteen only ✓	10395 ✓
3.02	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	46 ✓	Meter	523 ✓	Rs. Five Hundred Twenty Three only ✓	24058 ✓
4	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Approved make Havells,L&T , ABB, legrand ,Schneider & C&S.					
4.01	Single pole. Cat-A.	12 ✓	each	241 ✓	Rs. Two Hundred Forty One only ✓	2892 ✓

5	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit braker suitable for inductive load of following poles in the exsisting MCB DB complete with connections, testing and commissioning etc. as required. Approved make Havells,L&T , ABB, legrand ,Schneider & C&S.					
5.01	MCB DP 63 Amp	6	each	1479	Rs. One Thousand Four Hundred Seventy Nine only	8874
6	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser, complete with all accessories, connections, testing etc. as required of Approved Make Philips, havells ,Wipro , Bajaj, Panasonic, Goldmedal & Chengi. as per following specification.					
	Wattage of LED fittings- As per following parameters					
	Total lumens of the LED fittings- as per individual fittings mention below					
	Diffuser-polycarbonate diffuser/PMMA					
	Operating voltage-140V to 270V, AC supply					
	Input frequency-50 Hz + 1 Hz					
	Power factor-Minimum 0.90					
	Luminaire efficacy->100 lm/w					
	Color rendering index-CRI shall be greater than 80					
	Working/ operating temperature-0 to + 45c or better					
	Color temperature-6000K to 10%					
	Electronic Driver					
	Drive current (LED)-As per OEM.					
	Operating voltage-140 V to 270 V AC supply or better					
	Type of driver-Constant current output driver					
	THD-Less than 10%					
	Surge Protection-2.5 KV minimum					
	Efficiency Driver->85%					
	Protection-Shall have under voltage and over voltage protection.					
	Guarantee of LED fittings including LED driver-2 years against manufacturing defect.					

	Fixture-Should comply with LM 79 test from NABL/UL lab.					
	LED Type/ Make/ Model-Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.					
	Life of LED-25000 burning hours at 70% lumen maintenance					
6.01	LED Batten Light >2000 Lumens.	12	each	631	Rs. Six Hundred Thirty One only	7572
7	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:-					
7.01	25 Liter capacity water heater (Cat-A)	1	each	14683	Rs. Fourteen Thousand Six Hundred Eighty Three only	14683
8	Providing Geyser Element with all required connections with installation at site complete in all respects as per the satisfaction of Engineer-in-Charge:	5	each	800	Rs. Eight Hundred only	4000
9	Providing Geyser Thermostate with all required connections with installation at site complete in all respects as per the satisfaction of Engineer-in-Charge:	5	each	500	Rs. Five Hundred only	2500
						76044

*Draft schedule of quantity approved for Rs. 76,044/-
(Rs Seventy Six Thousand, & forty four only.)*

[Signature]
Assistant Engineer
M.C. Elect. Sub Division
HPPWD, Snowdon, Shir

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