

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.PW.-ESD. (MC)/Tender/ 2025 -26 717-19
To


Dated:- 1-11-25

✓ 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: - 10.11.2025 Up to 5.00 P.M
(ii) Last date of receipt of bids: 11.11.2025 Up to 10.30 A.M
(iii) Date of bid opening: 11.11.2025 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.	Replacement of non functional geysers in Married Doctor Hostel at IGMC Shimla.	Rs.88,098/-only	Rs.1800 only	2 weeks	C & D
3.	Providing replacement of damaged PCC 3.3 controller of 100KVA DG Set installed at Cancer Hospital, Providing battery charger for 100 KVA DG Set at medical College under IGMC Shimla	Rs.51,632/-only	Rs.1100/-only	2 weeks	Specialized Job
4.	Providing supply of power to Dialysis unit in third floor at AIMSS Chamiana Shimla-12 HP	Rs.98,753/-only	Rs.2000/-only	One Month	C & D

5.	Providing EI in FMW-1 & ICU (Block-D), New RICU (Block-E and replacement of non functional LED fittings, exhaust fans at Block-C, Block-D & Block-E at IGMC Shimla.	Rs.99,464/-only	Rs.2000/-only	One Month	C & D
6.	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
7.	Providing auto phase sequence corrector panel for centre stelizer supply Department (Medicine) in OT Kamla Nehru Hospital Shimla	Rs.85,768/-only	Rs.1800/-only	Three Month	C & D
8.	R/M of Central Heating Plant A, B Block KNH Shimla (SH:- Providing damaged accessories of Central Heating system therein)	Rs.99,759/-only	Rs.2000/-only	One Month	Specialized Job



 Assistant Engineer,
 Electrical Sub-Division.
 HPPWD, Snowdon

No.PW.-ESD. (MC)/Tender/ 2025 -26- 706-16

Dated:- 1-11-25

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. Division.
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

Sl. No.	Description of Work	Estimated Cost	Estimated Rate	Duration	Category
5.	Providing EI in FMW-1 & ICU (Block-D), New RICU (Block-E and replacement of non functional LED fittings, exhaust fans at Block-C, Block-D & Block-E at IGMC Shimla.	Rs.99,464/-only	Rs.2000/-only	One Month	C & D
6.	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
7.	Providing auto phase sequence corrector panel for centre stelizer supply Department (Medicine) in OT Kamla Nehru Hospital Shimla	Rs.85,768/-only	Rs.1800/-only	Three Month	C & D
8.	R/M of Central Heating Plant A, B Block KNH Shimla (SH:- Providing damaged accessories of Central Heating system therein)	Rs.99,759/-only	Rs.2000/-only	One Month	Specialized Job

CERTIFICATE: -

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



Manager, Engineering,
M.S. Elect. Sub. Division,
MPPWD Sawdon Shimla-8

DRAFT SCHEDULE OF QUANTITY

72413 ✓
72412 ✓

✓
22

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 ^{two only} 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

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

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

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

SCHEDULE OF QUANTITY

Estimated Cost:-Rs 88098/-Only ✓

Earnest Money:-Rs1800/-Only ✓

Time:- Two weeks ✓

Name of work : - Replacement of non functional geysers in Married Doctor Hostel at IGMC Shimla.

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
	Total					88098

S. K. Mittal
 Assistant Engineer
 M.C. Elect. Sub Division
 HPPWD, Snowdon, Shir

Draft Schedule of quantity approved for
 Rs. 88,098/- (Rs. Eighty eight Thousand, &
 Ninety eight only.)

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

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:-Rs 51,632/-Only ✓

Earnest Money:-Rs1100/-Only ✓

Time:- Two weeks ✓

Name of work : - Providing replacement of damaged PCC3.3 controller of 100kVA DG set installed at cancer hospital , providing battery charger for 100kVA DG set at medical college under IGMC Shimla.

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In Words	
1	Supply, installation, testing and commissioning of PS0600 controller which is a microprocessor-based generator set monitoring, protection and START / STOP control system with AMF (Auto Mains Failure) feature. The control provides a simple operator interface to the alternator and engine parameters, remote and local start / stop control and generator set protective functions. The controller supports magnetic pickup function for speed measurement if trim Magnetic pickup enabled. Control Features:-RS-485 Communication for PC tool and Modbus RTU slave protocol. Phase voltage and current sensing. Current sensing with an external 0 - 5 amp current , Engine starting. Relay drivers (capable of driving 1A load absolute max) for start, Fuel Shut Off, Customer output 1 & 2. Start disconnect is achieved by monitoring the battery charging alternator voltage or main alternator frequency, Generator set monitoring. Displays critical engine and alternator parameters, Auto mains failure detection and load transfer with open transition , User settable Exercise scheduler to keep generator parts lubricating if not running for long duration, Real time clock for events and log transformers.	1	each	43960	Rs. Forty Three Thousand Nine Hundred Sixty only ✓	43960 ✓

	Supply, installation, testing and commissioning of two no. BATTERY CHARGER 12V, 10A for two no. 100kVA DG set installed at Medical College including connections complete in all respect as desired by Engineer-in-Charge.	1	Job	4132	Rs. Four Thousand One Hundred Thirty Two only	4132
3	Providing repair of CHARGING ALTERNATOR for existing 320 kVA DG set installed at KNH Shimla including connections complete in all respect as desired by Engineer-in-Charge.	1	Job	3540	Rs. Three Thousand Five Hundred Forty only	3540
	Total					51632

*Draft schedule of quantity approved for Rs 51,632/-
(Rs Fifty one Thousand, Six hundred & Thirty Two only.)*

S. Kaur

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

Shahy

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

DRAFT SCHEDULE OF QUANTITY

98753

Estimated Cost:- Rs. ~~99113~~ /- only

Earnest Money:- Rs. 2000/- only

Time:-1 month

Name of work:- Providing supply of power to Dialysis unit in third floor at AIMSS Chamiana Shimla-12 (H.P)

S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In	In words	
1	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.					0
1.01	Armoured cable 35 sq. mm (3.5 core)	60	p/mtr	346	Rs. Three Hundred Forty Six only	20760
2	S/E of MCCB 4 Pole 415 Volt. with Adjustable thermal and magnetic for overload and short circuit protection breaking Capacity (Ics=100% Icu with positive isolation) with/ without Spreader/ Rotary Handle.					0
2.02	MCCB 40-100 Amp. 36 ka 4 Pole Release without rotary handle	2	each	13724.00	Rs. Thirteen Thousand Seven Hundred Twenty Four only	27448
3	P/F SS enclosure for 63 Amp-250 Amp amp MCCB 4 pole (IS 8623-3 /IS 13052) compliant 1.2 mm thickness with detachable gland plate and side lock of Din channel of make Havells,L&T.ABB,Schneider or any other make approved by engineer in charge	2	each	2303.00	Rs. Two Thousand Three Hundred Three only	4606
4	Supplying and installation of following size of perforated painted with powder coating M.S cable tray with perforation not more than 17.5 % in convenient section, joined with connectors,suspended from the ceiling(if required) with MS Suspenders,including bolts & nuts painting suspenders etc as required MS Cable tray 100 X 50mm	20	p/mtr	225.00 307	Rs. Three Hundred Twenty Five only	6500 6140
5	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers. including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required					0
5.01	6 Liter capacity water heater (Cat-A)	1	each	10433.00	Rs. Ten Thousand Four Hundred	10433
5.02	25 Liter capacity water heater (Cat-A)	2	each	14683.00	Rs. Fourteen Thousand Six Hundred	29366
Total:-						99113 98753

Assistant Engineer
Electrical & Division
H.P.P.W.D., Bawarden,
Shimla-171001 (H.P.)

Draft Schedule of quantity approved for No. 98753
only (Repeat Ninety Six thousand
Seven hundred fifty Three Rupees only)

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

EE

DRAFT SCHEDULE OF QUANTITY

Estimated Cost:-Rs 99464/-Only

Earnest Money:-Rs2000/-Only


Time:-One Month

Name of work : - Providing EI in FMW-1 & ICU (Block-D) , New RICU (Block-E) and replacement of non functional LED fittings , exhaust fans at Block-C, Block-D & Block-E at IGMC Shimla.

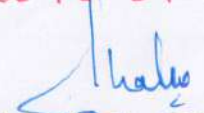
S.No.	Description of Items	Qty.	Unit	Rate		Amount
				In Figures	In Words	
1	Rewiring for light point/ fan point/exhaust fan point/call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required					
i	Group C	4	point	739	Rs. Seven Hundred Thirty Nine only	2956
2	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required. Approved make Reo havells, Anchor penta & Goldmedal Air A5.	2	each	431	Rs. Four Hundred Thirty One only	862
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required. Approved make Reo havells, Anchor penta & Goldmedal Air A5.	2	each	544	Rs. Five Hundred Forty Four only	1088
4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	1	each	639	Rs. Six Hundred Thirty Nine only	639

5	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 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connection, painting etc. as required.	5	each	431	Rs. Four Hundred Thirty One only	2155
6	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.					
i	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	83	Meter	209	Rs. Two Hundred Nine only	17347
ii	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	72	Meter	315	Rs. Three Hundred fifteen only	22680
iii	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	39	Meter	523	Rs. Five Hundred Twenty Three only	20397
7	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.					0
i	Single pole. Cat-A.	5	each	241	Rs. Two Hundred Forty One only	1205
8	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					0
i	Exhaust Fan, Heavy duty, 300 mm sweep (900/1400rpm)	5	each	3503	Rs. Three Thousand Five Hundred	17515
9	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				
i	LED Batten Light >2000 Lumens.	20	each	631	12620
	Total				99464


 Assistant Engineer
 M.C. Elect. Sub Division
 HP PWD, Snowdon, Shir

Draft schedule of Quantity approved for Rs 99,464/-
 (Rs Ninety Nine Thousand Four hundred Sixty Four
 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/-~~ **88650/=**

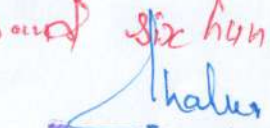
Earnest Money:- ~~₹2000/-~~ **1800/=**

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	98500.00 88650	₹ Ninety Eight Thousand Five Hundred only Eighty eight Thousand six hundred & fifty only.	98500.00 88650
Total						98500.00 88650

Draft schedule of quantity approved for Rs 88,650/- (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.85768/- only

Earnest Money:- Rs.1800/- only

Time:- Three Months

EE

Name of work:-Providing auto phase sequence corrector panel for centre stelizer supply Department (Machine) in OT Kamla Nehru Hospital Shimla

S.N o.	Description of Items	Qty.	Unit	Rate		Amount
				In Figure	In words	
1.00	Supply, installation testing and commissioning of Auto Phase sequence panel having following specification	1				
	MCCB 100 A TP	1				
	Spreader Links	1				
	Extended Rotary Handle	2				
A	CONTACTOR 100 AMP TP	1				
	PHASE SEQUENCE RELAY	6.00				
	R, Y, B LED type phase indicator	3.00				
	100/5A Current Transformers for metering	1.00				
	VIF Meter	4.00				
	MCB SP 2/6A	8.00				
	Control terminal as required					
B	BUS BAR (B)					
	Bus bar will be of electrolytic aluminium of E91 grade of size: 100A TPN	1.00				
C	ENCLOSURE ©					
	CRCA sheet steel enclosure panel will be fabricated with 14SWG CRCA sheet steel for load bearing surfaces and 16SWG for nonload bearing surfaces. Tentative Dimensions (LXHXD)	1.00				
D	WIRING (D)					

	Harness for starter and Metering Thimbles, ferrules and sleeves, PVC channe, gourments, braided wire for earthing etc.	1			
E	Hardware (E)				
	Nuts bolts, spring washresh door hinges door locks and key lifting hocks, base channal C thpe channals, DMC busbar	1			
F	Accessoies(F)				
	Danger plate, fedder detail inscription plats acry, IC back lights per forated sheet cover for busbar etc.				
G	Labour (G)				
	Fitting of Busbar panel encloser, circuit Breaker/ SFU/feeder starter /metering wring ect				
	The Scope included all labour tools tackles and consumables necessary to complete the work as per standred Engineer Direction	1 Job	83000	Rs. Eighty Three Thousand only	83000
2	providing lying and fixing of one No. aluminium conductor PVC insulatted and PVC sheathed armoured/ XLPE power cable 1.1 KV grade of following sizes on wall surface as required	8 mtrs	346	Rs. Three Hundred fourty Six Only	2768
					85768

Mawt
 Executive Engineer,
 U.S. Elect. Sub. Division,
 HP PWD Sewardon Shimla-1

Draft schedule of quantity approved
 for Rs 85,768/- (Rs Eighty five Thousand,
 seven hundred & sixty eight only.)

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

Draft Schedule of Quatity

Estimated cost:-Rs.99759 Only

Earnest Money:-2000 only

Time:One month

Name of work:- R/M of Central Heating Plant A,B Block KNH shimla.(SH:.Providing damaged accessories of Central Heating system there In)

EEJ

S.No.	Description of Items	Qty.	Unit	Rates		Amount
				In Figure	In Words	
1.00	providing and replacement of damaged capacitor 4 Mfd connection as per the required and satisfaction of engineer in charge	4	each	900	Rs. Nine Hundred Only	3600
2	SITC of 1 ph .three double shaft 63 W 220-240 volt motowith 930 RPM complete with connection testing and commisionning etc as required	1	each	12329	Rs. Twelve Thousand Three Hundred Twenty Nine Only	12329
3	providing and replacing the damaged Ball bearing no. 6307and 6308 suitable for above mentioned pumps including testing etc.	4	each	2250.00	Rs. Two Thousand Two Hundred Fifty only Only	9000
4	Rewinding of fan coil unit motor in\c all rewinding material such as super enamelled wire,insulation material, varnish, sleeve etc. and opening and refitting of same complete with testingetc, as required\ directed at site.	13	each	2950	Rs. Two Thousand nine Hundred fifty Only	38350

5	Providing and replacement of strip heater element complete set as required connection, testing and commissioning as required at site.	2	each	5690	Rs. Five Thousand Six Hundred Ninty Only	11380
6	Overhauling of pump motor, Greasing of moving part of motor as required and stisfaction of engineer In Charge	4	each	3400	Rs. Three Thousand four Hundred Only	13600
7	Supplying and Fixing of thermostat for hot air bloiler (capillery) connection, testing commsioning as required	2	each	1660	Rs. one Thousand six Hundred sixty Only	3320
8	Providing and replacement of MNX 32 contractor for suitable for hot air boiler as per required Engineer In charge	2	each	4090.00	Rs. Four Thousand ninty Only	8180
Total						99759

S. V. Gaur
 Executive Engineer,
 H.E. Elect. Sub. Division,
 HP PWD Snowdon Shimla-1

Draft schedule of @ quantity approved for Rs. 99,759/-
 (Rs Ninety Nine Thousand, seven hundred & fifty
 nine only.)

h. h. h.
 Executive Engineer,
 Electrical Division No-II,
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