

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.:PW/EDP/CB/TA/CONT/2022-23/

2728-31

Dated: 28/6/22

To

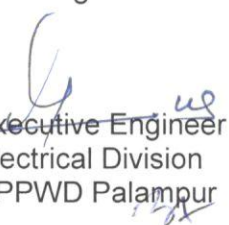
The Executive Engineer (IT Cell),
Nigam Vihar, Shimla-2.

Subject: Publishing of Tender Notice.

Enclosed please find herewith the Tender Notice of works as given in the Notice Inviting Tenders along with Schedule of Quantities for uploading on departmental website as per Notification Pr. SEC(PW) to the Govt. of HP letter No. PBW(B)A9(3)1/2020 dated Shimla-26th July 2021.

It is certified that the works mentioned in the Notice Inviting Tenders are urgent in nature and in public interest.

DA/NIT, SQs


Executive Engineer
Electrical Division
HPPWD Palampur

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

1. The Superintending Engineer, 2nd Electrical Circle, HPPWD Dharamshala.
2. The Drawing Branch in this office.
3. All the Assistant Engineers working under this division.


Executive Engineer
Electrical Division
HPPWD Palampur

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

"Notice Inviting Tenders"

Sealed item rate tenders on form 6&8 are hereby invited by the Executive Engineer, Electrical Division, HP PWD Palampur on behalf of the Governor of H.P. for the following work from the approved and eligible contractors enlisted in HP.PWD, (Elect.) whose registration stood renewed as per revised rules and also registered under the H.P. General Sales Tax Act. 1968 so as to reach in his office on or before **15.07.2022** up to 11.00 AM, and the same shall be opened on the same day at 11.30 A.M. in the presence of intending contractors or their authorized representatives. The tender documents can be had from hppwd.gov.in.

The earnest money in the shape of FDR/saving account of the Post office/Bank in H.P. duly pledged in favour of the XEN and the cost of tender in shape of Bank Draft must accompany with each tender. Conditional/ incomplete tenders & tender without earnest money will be summarily rejected. The XEN reserves the right to accept or reject any or all tenders or drop the proposal of tenders without assigning any reasons.

Conditions:

1. The contractor should have to attach the valid registration certificate in appropriate class in HPPWD, GST registration certificate and EPF registration certificate with each tender, failing which the tender will be rejected.
2. The contractor should have to attach work done certificate, GST registration certificate & EPF registration certificate with each tender, failing which the tender will be rejected.

Sr. No	Name of Work	Estimated Cost	Earnest Money	Time Limit	Form No.	Cost of Form
1	C/O workshop and teaching block in Govt. Polytechnic collage at Talwar in Tehsil Palampur Distt. Kangra.(H.P)(SH:- Providing MCCB, fan rod etc. I workshops Additional Work)	237391/-	5000/-	Three Months	8	350/-
2	C/O of 6 Nos. Additional classrooms in GSSS at Lahroo in Tehsil Jaisinghpur Distt. Kangra (H.P)(SH:- Providing E.I. Therein)	381619/-	8000/-	One Year	8	350/-
3	Providing 20 KVA Servo (Voltage Stabilizer) along with wiring for X-ray Plant at Civil Hospital Kangra in Distt. Kangra(H.P)	287284/-	5800/-	One Month	8	350/-
4	Repair of 01 No. 7.5 KVA D.G Set installed in Combined office building at Palampur Distt. Kangra (HP)	103124/-	2100/-	One Month	8	350/-
5	Repair & Maintenance of HVAC system installed in Auditorium Building Dr. RPGMC Kangra at Tanda. (SH: Replacement of compressor oil, Refrigerant R-22, drier core, oil heater, motherboard card, display card, power contactor, solenoid coil etc. of Chiller No. II thereof)	499850/-	10000/-	One Month	8	350/-
6	Providing and fixing of Portable Fire Extinguishers in HPCA Cricket Stadium Dharamshala therein.	318968/-	6400/-	One Month	8	350/-
7	R/M of Portable Fire Extinguishers installed in Various Blocks (Mechanical Engineering, Workshop & Applied Science, Electronics and Communication, Civil Engineering and Lecture Theater Block) in RGEC Massal at Nagrota Bagwan in Tehsil Nagrota Bagwan Distt. Kangra H.P.	376995/-	7600/-	Three Months	8	350/-

8	Repair & Maintenance of 1 No. 26 Passengers Staff Lift, 1 No. Freight lift of "KONE" make installed in 500 Bedded Hospital Dr. RPGMC Kangra at Tanda for the year 2022-23.	235262/-	4700/-	One Year	8	350/-
9	C/O Circuit House at Palampur (Providing and Fixing poles for Campus Light Therein) Tehsil. Palampur in Distt. Kangra (H.P)	353542/-	7100/-	Six Months	8	350/-
10	Construction of HPPWD Circuit House at Palampur In Tehsil Palampur Distt. Kangra (H.P)(Providing and fixing 2TR capacity hot & cold Split type Air-Conditioning unit therein.)	417374/-	8400/-	Six Months	8	350/-

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY							
NAME OF WORK: C/O workshop and Teaching block in govt. Polytechnic college at Talwar in Teshil palampur District kangra (H.p) (Sh:- Providing MCCB , fan rod etc. in workshops Additional work Therein)			Job No 1		ESTIMATED COST: Rs 2,37,391 /-only. EARNEST MONEY: Rs.5000 /-only TIME ALLOWED: Six Months		
Sr. No.	DESCRIPTION	QTY.	FIGURE	RATES		UNIT	AMOUNT
			S	WORDS			
1	Providing and fixing TP&N switch disconnector fuse unit cubical type, 415/500 volts with 3 No. HBC/HRC fuses, in sheet steel enclosure including drilling holes on the board, connections, earthing the body etc. as required.						
1.01	63 amps	12				Each	
	Make :- L&T(Cat No.EM9098400H0), ABB,Schneider						
1.02	160 amps	2				Each	
	Make :- L&T(Cat NoCM9806500M0), ABB,Schneider						
1.03	200 amps	1				Each	
	Make :- L&T(Cat NoCM9806500N0), ABB,Schneider						
2	Supplying and fixing extra down rod of 10 cm length G.I. pipe; 15 mm dia; heavy gauge including painting etc.as required. (Note: More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored):- complete in all respect and to the best satisfaction of engineer in charge as required:-	127				Each	
3	Supplying and Fixing hanging steel wire to install the industrial tube fixtures complete all respect & to the best satisfaction of engineer in charge	280				Each	
Total							

ESTIMATED COST: Rs 2,37,391 /-only.
EARNEST MONEY: Rs.5000 /-only
TIME ALLOWED: Six Months

Executive Engineer
Electrical Division
HP PWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK: C/O 6 Nos. additional Class rooms in Govt. High School at Lahroo in Tehsil Jaisinghpur Distt. Kangra (H.P.) (SH:- Providing E.I. Therein)		Job No 2		ESTIMATED COST: Rs 3,81,619 /-only. EARNEST MONEY: Rs.8000 /-only TIME ALLOWED: Six Months		
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURE S	WORDS		
1	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 steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. Make/ KEI/SCI/Havells.					
	Group C.	93				
2	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 steel 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. Make/ KEI/SCI/Havells.					
	Group C.	3				
3	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. Make/ KEI/SCI/Havells.					
(I)	2x2.5 Sq. mm.Make/ KEI/SCI/Havells.	100				
(ii)	2x10 Sq. mm.	1				

(III)	2x6 sqmm Make/ KEI/SCI/Havells.	18			Per metre	
	Make :- KEI /Plaza /SCI					
4	Supplying and fixing metal box of 100mmx100mmx60mm 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.	10			Each	
5	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:-					
i	Single pole. Cat-A.	12			Each	
	Make :- Havells,L&T,C&S, GE.					
6	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i	63 Amps. Cat-A.	3			Each	
	Make :- Havells,L&T,C&S, GE.					
7	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	63 Amps. Cat-A.	3			Each	
	Make :- Havells,L&T,C&S, GE.					
8	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	3			Each	

9	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	1			Per set	
10	Extra for using salt and charcoal for pipe earth electrode complete as required.	1			Per set	
11	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	30			Per metre	
12	Providing, Installation, testing and commissioning of ceiling fan with Step type electronic regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required.					
(i)	Ceiling Fan 1200 mm sweep, Category-A	28			Each	
	Makes:-Bajaj,Usha,Crompton, Panasonic or equivalent make					
13	supplying and Fixing of surface mounting LED solution suitable for surface application with the use for latest technology 20 Watt (2000 lumens) K-6000and it shold be compatible with specftcations i.e. Power factor > 0.9 , Harmonic distortion < 10% and efficacy > 100 lumens per watt, CRL>80. suitable for Input voltage AC 220-240v ,50/60 HZ complete with all accesseries,including connections,testing and commissioning etc.as required complete in all respects					
i	24 Watt , Surface LED - 4 Ft long	48			Each	
	Makes:- Philips, Bajaj, Panasonic ,C&S ,Wipro or equivalent make					

14	supplying and Fixing of surface mounting LED solution suitable for surface application with the use for latest technology 20 Watt (2000 lumens) K-6000 and it should be compatible with specifications i.e. Power factor > 0.9 , Harmonic distortion < 10% and efficacy > 100 lumens per watt, CRI>80. suitable for Input voltage AC 220-240V ,50/60 HZ complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects					
	20Watt, Square Surface LED -	12			Each	
	Makes:- Philips, Bajaj, Panasonic ,C&S ,Wipro or equivalent make					
15	Providing and fixing surface mounted of LED Bulk Head of following rating and it should be compatible with specification i.e. Power Factor \geq 0.9, Harmonic Distortion <10% and efficacy \geq 100 Lumens per watt, CRI rating > 80 suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required.					
	10 watt LED	4			Each	
	Makes :- Havells, Helonix, C&S as per (Cat. No. LTB10WLED), Panasonic or any other approved by Engineer- in- Charge.					
16	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:-					
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep Make/Usha/Bajaj/Havells	3			Each	
	Total					

SCHEDULE OF QUANTITY

NAME OF WORK:Providing 20kVA Servo (Voltage Stabilizer) along with wiring for X-ray plant at Civil Hospital Kangra in Distt. Kangra (H.P.)		Job No. 3		ESTIMATED COST: Rs.2,87,284/-only. EARNEST MONEY: Rs. 5800/-only TIME ALLOWED: Six Months		
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURE S	WORDS		
1	Supplying, testing, installation and commissioning of high efficiency 20 kVA (3Ph-3Ph) Air cooled type indoor installation Servo controlled Voltage Stabilizer with Input Range : 340 - 480 VAC & Output : 415 with +/- 1%, 3Phase with LCD display for metering with audible alarm, overall efficiency upto 97% and standard confrmance to IS 9815 ,IS1248, IS2026/IEC60076 with IP20 protection including making connections etc. as required complete in all respects.					
(i)	Servo Controlled Voltage Stabilizer 20 kVA (340 - 480 VAC)	1			Each	
	Makes:- Numeric (VoltSafe Plus 20kVA)/Neel					
2	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.					
	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	25			Per Meter	
	Makes:- KEI/SCI/Havells.					
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.					
	2X4 sq. mm + 1X4 sq. mm earth wire	30			Per Meter	
	Makes:- KEI/SCI/Havells.					

4	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
	Group-C	6			Per Point	
	Makes:- L&T/Legrand/Schneider.					
5	Providing, installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.					
(i)	Ceiling Fan 1200mm Sweep	2			Each	
	Makes:- Usha(Technis plus minimum 3star rating)/Bajaj(Ultima)/Crompton greaves					
6	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.					
(i)	4P MCCB 100 A 16 KA	2			Each	
	Makes:- L&T/Legrand/Schneider.					

7	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)					
(i)	8 Way, Double door	2			Each	
	Makes:- L&T/Legrand/Schneider.					
8	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
(i)	63 A, 4 pole Isolator	2			Each	
	Makes:- L&T/Legrand/Schneider or equivalent					
9	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
(i)	63 amps. rating, 4 pole RCCB, 30 mA	1			Each	
	Makes:- L&T/Legrand/Schneider or equivalent					
10	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
10.1	S.P. 5/6 amps, one way modular switch	4			Each	
10.2	S.P. 15/16 amps, one way modular	4			Each	
10.3	3 pin 5/6 amps modular socket outlet	4			Each	

10.4	6 pin 15/16 amps modular socket outlet	4			Each	
	Makes:- L&T/Legrand/Schneider or equivalent					
11	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.					
(i)	6 Module (200mmX75mm)	4			Each	
	Makes:- L&T/Legrand/Schneider or equivalent					
12	Providing and fixing decorative extruded tube batten having high quality design suitable for LED tube up to 40Watt (4000 lumen) 5700K and it should be compatible with specifications i.e. power factor ≥ 0.9 , harmonic distortion $\leq 10\%$ and efficacy ≥ 100 lumens per watt, CRI > 80 , suitable for input voltage AC 220-240V, 50/60 Hz, complete with all accessories, connections, testing and commissioning etc. as required.					
(i)	40 Watt LED Tube batten	4			Each	
	Makes:- Bajaj/Wipro/Panasonic or equivalent					
	Total					


 Executive Engineer
 Electrical Division
 HP PWD Palampur

SCHEDULE QUANTITY

NAME OF WORK: Repair of 01 No. 7.5 KVA D.G. Set installed in Combined office building at Palampur Distt. Kangra HP		Job No 4		ESTIMATED COST: Rs 1,03,124-only. EARNEST MONEY: Rs.2100 /-only TIME ALLOWED: Six Months		
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURE S	WORDS		
1	Repair of DG Set 7.5 KVA along with AMF panel including replacent of all types of filters, i.e. separator water filter, pre-filter, lubricant oil filter, coolant, lubricant oil etc., testing commissioning of DG set in manual and auto modes etc. as required complete in all respects as per satisfaction of Engineer-in-charge.	1			P/Job	
	Fuel Filter-1 No.					
	Air Filter-1 No.					
	Exhaust bellow -1No					
	Fuel Pipe Set-3No.					
	Air Assembly-1No.					
	Battery Charger-1No.					
	Battery 100 AH-1No.					
	Fuel Pump Repair -1No.					
	Indicator Repair -1No					
	Self Starter Repair-1No.					
	Alternator Repair 1No.					
	Panel Repair-1No.					
	Lub. Oil- 8Ltr.					
	Engine Wiring - 1No.					
	SylincerCutting & Welding-1No.					
	Labour Charges-1No					
	Canopy Repair,Cutting,welding,Painting-1No.					
	Total					

Executive Engineer
 Electrical Division
 HP PWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK: Repair & Maintenance of HVAC system installed in Auditorium Building Dr. RPGMC Kangra at Tanda. (SH: Replacement of compressor oil, Refrigerant R-22, drier core, oil heater, motherboard card, display card, power contactor, solenoid coil etc. of Chiller No. II thereof)			Job No. 5		ESTIMATED COST: Rs.4,99,850/-only. EARNEST MONEY: Rs. 10000/-only TIME ALLOWED: Six Months	
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of Oil heater suitable for 60 T.R. capacity chiller as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1			Each	
2	Supplying of compressor oil for suitable for 60 T.R. capacity chiller as required complete in all respects and to the best satisfaction of Engineer-in-charge.	10			Per liter	
3	Supplying and fixing of solenoid coils suitable for 60 T.R. capacity chiller as required complete in all respects and to the best satisfaction of Engineer-in-charge.	5			Each	
4	Supplying and fixing of drier core suitable for 60 T.R. capacity chiller as required complete in all respects and to the best satisfaction of Engineer-in-charge.	3			Each	
5	Supplying, installation, testing & commissioning of Motherboard card suitable for 60 T.R. capacity chiller as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1			Each	
6	Supplying, installation, testing & commissioning of Display card suitable for 60 T.R. capacity chiller as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1			Each	
7	Servicing of condenser coil i.e. washing and cleaning with chemical as per directions, instructions and to the best satisfaction of Engineer-in-charge.	1			Per Job	
8	Rewinding of 3 phase, 50 Hz, condenser fan motor with SWG copper wire including warnishing and refitting etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	2			Each	
9	Supplying and fixing of Water flow switch as required for chiller line complete in all respects and to the best satisfaction of Engineer-in-charge.	1			Each	
10	Supplying and fixing of temperature sensors as required for chiller line complete in all respects and to the best satisfaction of Engineer-in-charge.	2			Each	

11	Supplying and fixing of power contactors suitable for 60 T.R. capacity chiller as required complete in all respects and to the best satisfaction of Engineer-in-charge.	2				Each	
12	Supplying and erection of 6 Amps. 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker (MCB) Double pole in the existing MCB DB complete with connections etc. as required.	2				Each	
13	Supplying and erection of single phase preventer as required complete with connections etc. and to the best satisfaction of Engineer-in-charge.	1				Each	
14	Dressing/relaying of power and control wiring as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1				Per Job	
15	Supplying and fixing of pressure gauge as required for chiller line complete in all respects and to the best satisfaction of Engineer-in-charge.	2				Each	
16	Supplying and fixing of temperature gauge as required for chiller line complete in all respects and to the best satisfaction of Engineer-in-charge.	2				Each	
17	Supplying and replenishment/charging of refrigerent R-22 to 60 T.R. capacity chiller as required complete in all respects and to the best satisfaction of Engineer-in-charge.	55				Per Kg	
Total							


Executive Engineer
 Electrical Division
 HP PWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK: Providing and fixing of portable Fire Extinguishers in HPCA Cricket Stadium Dharamshala therein.					
Sr. No.			DESCRIPTION		
			QTY.		
			FIGURE S		
			RATES		
			WORDS		
			UNIT		
			AMOUNT		
1			26		
Providing and fixing Carbon dioxide CO2 4.5 kg type fire extinguishers ISI mark. CE and EN Certified, consisting of seamless cylindrical body, squeeze lever discharge valve fitted with pressure indicating guage internal discharge tube, 30cms long high pressure discharge hoase, discharge nozzle, suspension bracket, confirming to IS: 15683 finished externally with red enamel paint and M S Wheel type complete with internal charge as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
Make: Minimax /CeaseFire/Anshul (Tyco)					
Total					

Job No 6
ESTIMATED COST: Rs 3,18,968 /-only.
EARNEST MONEY: Rs.6400 /-only
TIME ALLOWED: Six Months

Executive Engineer
Electrical Division
HP PWD Palampur

SCHEDULE OF QUANTITY


NAME OF WORK: R/M of Portable Fire Extinguishers Installed in various Blocks/(Mechanical Engineering, Workshop & Applied Science, Electronics and Communication, Civil Engineering and Lecture Theater Block) in RGSEC Massal at Nagrota Bagwan in Tehsil Nagrota Bagwan distt. Kangra H.P			Job No 7		ESTIMATED COST: Rs 3,76,995 /-only. EARNEST MONEY: Rs. 7600 /-only TIME ALLOWED: Six Months	
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURE S	WORDS		
1	Refilling of Portable Fire extinguishers, CO2 type 4.5 kg. Capacity complete in all respect.	133			Each	
2	Refilling of Portable Fire extinguishers Water Co2 Gas Cartridge type capacity 9 litrs. Complete in all respect.	95			Each	
3	Refilling of Portable Fire extinguishers Water type(S/P) Capacity 9 litrs. complete in all respect.	8			Each	
4	Refilling of Portable Fire extinguishers ABC type(filled with 50 Map Powder) 4 kg capacity complete in all respect.	8			Each	
5	Refilling of Portable Fire extinguishers ABC type (filled with 50 Map Powder) 6 kg. capacity complete in all respect.	16			Each	
6	Replacement of CO2 Cylinder Discharge Hose Pipe 1 mtrs Capacity. Make: Minimax/Cease fire/Omex.	15			Each	
7	Replacement of ABC Cylinder Pipe as required. Make: Minimax/Cease fire/Omex.	5			Each	
8	Replacement of WaterType Cylinder Pipe as required. Minimax/Cease fire/Omex.	16			Each	
9	Replacement of WaterType Cylinder Head Valve as required. Make: Minimax/Cease fire/Omex.	16			Each	

10	Replacement of ABC Typen Cylinder Head Valve as required. Make: Minimax/Cease fire/Omex.	4			Each	
11	Replacement of Co2 Cylinder Gun Metal Valve as required. Make: Minimax/Cease fire/Omex.	17			Each	
12	Replacement of Siphon (steel based) of Water/ ABC Type Cylinder. Make Minimax/Cease fire/Omex.	25			Each	
Total						


 Executive Engineer
 Electrical Division
 HP PWD Palampur

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
NAME OF WORK: Repair and Maintenance of 1 No. 20 Passengers Staff Lift, 1 No. Freight Lift of "KONE" make installed in 500 Bedded Hospital Dr. RPGMC Kangra at Tanda for the year 2022-23.		Job No 8		ESTIMATED COST: Rs 2,35,262 /-only. EARNEST MONEY: Rs.4700 /-only TIME ALLOWED: Six Months		
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURE S	WORDS		
1	Annual Repair and Maintenance of 1 No. 20 Passengers Staff Lift, 1 No. Freight Lift of "KONE" make i.e. routine services at the regular interval of one month, regular systematic examination adjustment, lubrication of machines, motors controller parts including replacement of worn-out parts gears etc., bearing break shoe, rotating element, contact coils, resistance for operating motors, magnetic frames etc. and other mechanical as well as electrical parts etc. as required to maintain the lifts in proper and safe operating conditions including emergency break down all attending services and best satisfaction of the Engineer-in-charge for the year 2022-23					
i)	1 No. 20 Passengers Lift (1360 Kgs.) and 1 No. Freight Lift (2000 Kgs.)for twelve months.	1			Each	
Total						


 Executive Engineer
 Electrical Division
 HP PWD Palampur

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
NAME OF WORK: C/O Circuit House at Palampur (Providing and fixing poles for Campus Light Therein) Teshil. Palampur in District Kangra (H.P.)		Job No. 9		ESTIMATED COST: Rs 3,53,542 /-only. EARNEST MONEY: Rs 7100 /-only TIME ALLOWED: Six Months		
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supply and erection of Steel Poles - are made out of mild steel tubes with cast Aluminium embellishment having bottom dia. 140mm. Pole base-140 are made out of die cast aluminium , duly painted with PU paint (Golden Colour). The poles are suitable for different type of brackets as single, twin, tripple luminaire Hanging mounting. The pole have service window at the bottom compromising four way 25 amps connectors terminal and a MCB. The poles can be mounted with four numbers anchor bolts as per foundation drawing etc complete in all respect and to the best satisfaction of engineer in charge.					
	Makes:- Twinkle LUMAX Steel Base Pole -140 (Golden Colour)					
		17			each	
	Makes:- Twinkle (cat No. Lumax R-125-81-Q2-300-3mtr) / K- lite / C&S					
2	Providing and fixing Etalic Hanging LED fixture made of spun alum, housing with sturdy bracket with powder LED's are mounted directly on extruded alum. Heat sinks. A UV stabilized PC/PMMA diffuser is provided for glare free lightening with high visual comfort. It should be compatible with specification i.e. Power Factor ≥ 0.9 , Harmonic Distortion $< 10\%$ and efficacy ≥ 100 Lumens per watt, CRI rating > 80 suitable for input voltage: AC 170-270 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required.					
	90 Watt Hanging Light (Etalic Hanging)					
		1			each	
	Makes:- Twinkle (cat No. Lumax PT -158 -02H) / Philips / Bajaj					
	Total					

Executive Engineer
 Electrical Division
 HP PWD Palampur

SCHEDULE OF QUANTITY


NAME OF WORK :- Construction of HPPWD Circuit House at Palampur in Tehsil Palampur Distt. Kangra (H.P.) (Providing and fixing 1.5 TR / 2TR capacity hot & cold (Inverter) Split type Air-Conditioning unit therein.)

Job No. **9** //

ESTIMATED COST: Rs. 4,17,374-only.
EARNEST MONEY: Rs. 8400-only
TIME ALLOWED: Two Months

Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, installation, testing and commissioning of 1.5 TR capacity hot & cold (Inverter) Split type Air-Conditioning unit of following make confirming to I.S.I.-1391 PART-1992 with ammendment No. 1 (expect power consumption norms) fitted with hermatically shielded air-compressor including the cost of Gas charging, stand for outdoor unit and 4KVA/5KVA Stabilizer as required complete in all respects.					
	A.C. Unit 2 TR/1.8 TR Ton capacity (Hot & Cold)	4			Each	
	Makes: Voltas (Modal No. SAC243VHSZS(R32) 3 Star/Daikin/FTHT60 (5Star)/ Mitsubishi (3star) make.					
2	Providing & fixing of extra copper tubes for refrigerant and condensate (1/4" 1/2") for 1.5 T.R. split type A.C. units and wiring with suitable size of HRFRLS copper conductor single core cables, including the cost of insulation etc. as required complete in all respects.	6			Per Meter	
3	Supplying and fixing of 25mm dia of PVC drain pipe along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed pipe as required.	2			Per Meter	
4	Supplying and fixing wall mounting voltage stabilizer of following rating with output 240 volts with voltage regulation range from 170 volt to 250 volt and auto cut off beyond this range and time delay operation for the surges and fluctuations suitable for 1.5/2.0 TR capacity split type Air-Conditioner including making connections etc. as required complete in all respects.					
	Automatic Voltage Stabilizer 4 KVA	4			Each	
	Makes:- V-Guard /Microtek/Godrej or equivalent.					

5	Providing & fixing of M.S. Outdoor heavy duty stand powder coated suitable suitable to hang 1.5/2.0 TR Split type AC with six nos. anchor bolts as required complete in all respects and as per direction of Engineer in charge.	4				Each	
Total							


 Executive Engineer
 Electrical Division
 HP PWD Palampur