

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.: PW/EDP/CB/TA/CONT/2023-24/-

2574-83

Dated: 10/7/23

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
HP PWD Palampur

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

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


Executive Engineer
Electrical Division
HP PWD Palampur

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

"Notice Inviting Tenders"

Sealed percentage 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 01-08-2023 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 his office against cash payment (Non-refundable) on 31-07-2023 up to 4.00 P.M. and the application for issue of tender form shall be received on 28-07-2023 up to 12 00 noon

Conditions:

1. The contractor should have the EPF registration certificate should be attached with application
2. The GST registration certificate.
3. The contractor should produce a copy of latest enlistment/renewal.
4. The latest ITR filed should be attached with application.
5. The bidders enlisted in a particular class shall be eligible to tender for his own class or one step below
6. The bidder should attach authorization and work done certificate with application for Specialized Jobs
7. The FDR duly pledged should be attached separately with each tender
8. Only two number tender forms will be issued to the eligible contractor.
9. The Executive Engineer, Electrical Division, HP PWD Palampur reserves the right to reject any tender without assigning any reasons
10. Conditional/ incomplete tenders & tender without earnest money will be summarily rejected.

Sr. No	Name of Work	Estimated Cost	Earnest Money	Time Limit	Form No.	Cost of Form
1	C/o Addition and Alteration to HPPWD Inspection hut at Bhawarna in Tehsil Palampur Distt. Kangra (H.P) (SH:- Providing E.I. therein).	459865/-	9200/-	Six Months	8	350/-
2	C/O HSC Building at Khurad Pat (Ground & First Floor) in Tehsil Jaisinghpur Distt. Kangra (H.P)(SH:- Providing E.I. therein)	353689/-	9700/-	Two Year	8	350/-
3	C/o Health Sub Center Building with delivery room at Mohli in Tehsil Fatehpur, Distt. Kangra (H.P)(SH:- Providing E.I. therein).	299017/-	6000/-	One Year	8	350/-
4	Replacement of old/damaged FTL fixtures with new LED Fixtures in the Department of Gastroenterology, Hepatology, Nephrology in Ist Floor of Super Specialty block of Dr. RPGMC Kangra at Tanda .	460785/-	9300/-	Two months	8	350/-
5	C/o Police Station Building at Dehra in Tehsil Dehra Distt. Kangra (H.P)(SH:- Providing Campus Lighting therein).	391715/-	7900/-	Six Months	8	350/-
6	Providing Copper Earthing in the building of Dy. Director Horticulture Department Kangra at Dharamshala Distt. Kangra (H.P).	355368/-	7200/-	Three Months	8	350/-
7	Providing Solar Street lights in NIFT Campus Kangra at Chheb in Distt. Kangra (H.P).	117992/-	2400/-	One Months	8	350/-
8	Repair and Maintenance of E.I. to 500 Bedded Hospital Dr. RPGMC Kangra at Tanda.(SH:- Rewinding of Ceiling fans,	208590/-	4200/-	Two Months	8	350/-

	replacement of fan condensers, fan regulators, extra down fan rods and ball bearing etc. in various Wards of ground floor to fourth floor and OPD area therein).					
9	C/o Ayurvedic Health Centre Building at Bagga Tehsil Jawali Distt. Kangra (HP)(SH:- Providing E.I. therein)	179923/-	3600/-	Two Year	8	350/-
10	C/o Public Health Centre at Naganpatt in Tehsil and Distt. Kangra(H.P)(SH:- Providing E.I. therein)	487695/-	9800/-	One Year	8	350/-
11	Replacement of old FTL fixtures with new LED fixtures in the X-Ray room No 1 & 2 and reporting room area of 500 bedded hospital Dr. RPGMC Kangra at Tanda.	221105/-	4500/-	Two Months	8	350/-
12	Providing Geysers in various floor of Super Specialty Block and Maharaja Sansar Chand Guest House Dr. RPGMC Kangra at Tanda.	154697/-	3100/-	One Month	8	350/-
13	Providing and installation of Inverter 4 KVA for additional power back-up in HPPWD Rest House at Kangra in Distt. Kangra (H.P)	162376/-	3300/-	Three Months	8	350/-
14	Repair and Maintenance of E.I. to various Govt. Non-Residential Buildings in Dr. RPGMC Kangra at Tanda (H.P)(SH:- Replacement of damaged/burnt out safety devices along with wiring etc. therein).	481527/-	9700/-	Three Months	8	350/-
15	Replacement of Switchgear System into new one 2 Nos. type-II Quarter for residential Building of Police Station at Banikhet in Tehsil Dalhousie Distt. Chamba (H.P).	127252/-	2600/-	Six Months	8	350/-
16	Replacement of Old Heating Points . Light Plug. Tube Fixture into new one at Mountaineering Sub Centre Building Bharmour in Tehsil Bharmour Distt. Chamba (H.P).	129358/-	2600/-	Six Months	8	350/-
17	C/o Rajeev Gandhi Govt. Engineering College Kangra at Nagrota Bagwan Distt. Kangra (H.P)(SH:- Providing Yard lighting in the campus of Administration Block).	318045/-	6400/-	Six Months	8	350/-
18	C/o Rajeev Gandhi Govt. Engineering College Kangra at Nagrota Bagwan Distt. Kangra (H.P)(SH:- Providing Yard lighting in the campus of Electrical and Library and Computer Science Block).	310709/-	6300/-	Six Months	8	350/-
19	C/o HSC Building at Boda (Ground Floor) in Tehsil Palampur Distt. Kangra (H.P)(SH:- Providing E.I. therein).	216662/-	4400/-	Six Months	8	350/-
20	Construction of Government Veterinary Hospital Building at Bhalei Tehsil Salooni Distt. Chamba (H.P)(SH:- Providing E.I. therein).	485487/-	9800/-	Six Months	8	350/-

21	Providing Earthing for Stage. Sound System, Gen. Set etc. in Chowgan No-1 at Chamba in Tehsil & Distt. Chamba(H.P).	176773/-	3600/-	Six Months	8	350/-
22	Repair & Maintenance of HVAC System installed in Super Specialty Block Dr. RPGMC Kangra at Tanda	498500/-	10000/-	One Year	8	350/-

HIM SUCHNA AVAM JAN SAMPARK VIBHAG

SCHEDULE OF QUANTITY

NAME OF WORK:- C/O Addition and Alteration to HPPWD Inspection hut at Bhawarna in Tehsil Palampur Distt. Kangra HP(SH:- Providing E I therein)					ESTIMATED COST : Rs.4,59,856/-only.	
					Job No. 5	EARNEST MONEY: Rs.9200/-only TIME ALLOWED: Six Months
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	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.	53	1824	Rupees One Thousand Eight Hundred Twenty Four Only	Per point.	96672
	SCI/KEI/Plaza make					
2	supplying and fixing following type of Surface mounted luminaire , white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 10% and efficacy > 100 lumens per watt, CRI rating > 70 Suitable for input voltage AC 220-240 V , 50 Hz, Complete with all accessories , connections, testing and commissioning etc. as required with 5 years warranty					
	LED Batten light 20 W	7	761	Rupees Seven Hundred Sixty One Only	Each	5327
	Make Crompton Cat. no. CCS-100-20-65-HL2-DP-NWH/ Bajaj/ Wipro					
3	Providing and installation of LED fixture 15 W +/- 1 W LED Square Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 85 lm/W with and P. F ≥ 0.95 with THD < 20%, CCT 6000 K, CRI 80, The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V with 5 years warranty					

	LED Surface mounting round downlighter 15 watt	30	1904	Rupees One Thousand Nine Hundred Four Only	Each	57120
	Makes :-Wipro (Cat No :-LL20-281-xxx-AL-1/Philips/Bajaj)					
4	Providing, Installation, testing and commissioning of ceiling fan with 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.					
	Ceiling Fan 1400 mm sweep, Category-A	5	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	15955
	Makes :-Ceiling Fan 1200 mm sweep, Category-A usha Technix Plus 3 Star,Philips,Bajaj with 3 rated star					
5	Providing and installation of IP65 LED Bulk Head 10 W +/- 1 W LED with system with efficacy 100 lm/W with Aluminium housing and P. F ≥ 0.95 with THD <10%, CCT 5700 K, CRI 70, Surge protection 4 Kv. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V.	2	1431	Rupees One Thousand Four Hundred Thirty One Only	Each	2862
	Makes :-Wipro (Cat No.:-LW07-141-XXX-57-G1) Philips/Bajaj					
6	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 (Usha,Bajaj,Crompton make)	4	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	9076
7	Supplying and fixing call bell/buzzer suitable for single phase, 230 volts, complete as required.	4	187	Rupees One Hundred Eighty Seven Only	Each	748
	Gold Medal/Anchor make					
8	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	32	582	Rupees Five Hundred Eighty Two Only	Each.	18624

	L&T/Legrand/Schneider make						
9	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps. modular switch, connections etc. as required.	15	750	Rupees Seven Hundred Fifty Only	Each.	11250	
	L&T/Legrand/Schneider make						
10	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:-	4	10250	Rupees Ten Thousand Two Hundred Fifty Only	Each.	41000	
	Bajaj, Usha, Recold Make						
11	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	73	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	34529	
	SCI/KEI/Plaza make						
12	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	57	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	43035	
	SCI/KEI/Plaza make						
13	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required						
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	70	395	Rupees Three Hundred Ninety Five Only	P/Mtr.	27650	
	2x6 Sqmm+ 1 X 6 sq. mm earth wire	37	657	Rupees Six Hundred Fifty Seven Only	P/Mtr.	24309	
	4x10 Sqmm+ 2 X 6 sq. mm earth wire	15	1336	Rupees One Thousand Three Hundred Thirty Six Only	P/Mtr.	20040	
	SCI/KEI/Plaza make						

14	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel PVC conduit as required						
	3x2.5 sq mm	38	171	Rupees One Hundred Seventy One Only	P/Mtr.	6498	
	SCI/KEI/Plaza make						
15	Supplying and fixing of 6 amps. to 32 amps. rating, 240/415 volts, 10 kA 'C' curves, miniature circuit breaker suitable for inductive load of following poles in the existing miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:-						
	6 Amp Single pole. Cat-A.	9	265	Rupees Two Hundred Sixty Five Only	Each	2385	
	16 Amp Single pole. Cat-A.	15	265	Rupees Two Hundred Sixty Five Only	Each	3975	
	L&T/Legrand/Schneider make						
16	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
	40 Amps. Cat-A.	1	488	Rupees Four Hundred Eighty Eight Only	Each	488	
	63 Amps. Cat-A.	2	616	Rupees Six Hundred Sixteen Only	Each	1232	
	L&T/Legrand/Schneider make						
17	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
	40 Amps. Cat-A.	1	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	2715	
	63 Amps. Cat-A.	2	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	7232	
	L&T/Legrand/Schneider make						

18	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, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/isolator)					
	TPN tier PPI Distribution Board 12+2 way, MCCB+6+36 Modules	1	8178	Rupees Eight Thousand One Hundred Seventy Eight Only	Each	8178
	L&T/Legrand/Schneider make					
19	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubical panel board including drilling holes in cubical panel, making connections etc. as required.	1	6848	Rupees Six Thousand Eight Hundred Forty Eight Only	Each	6848
	100 Amp 30 ka					
	L&T/Legrand/Schneider make					
20	Earthing with G I earth plate 600mmx600mmx3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. etc. (with charcoal or coke and salt) complete as required.	1	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Per set	8592
21	Providing and laying earthing connection from earth electrode with 4.00mm dia G.I. wire in 15mm dia G.I pipe from earth electrode including connection with copper thimble excavation and re-filling as required	30	40	Rupees Forty Only	Per Mtr	1200
22	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 25 amps modular socket outlet and 25 amps, modular switch, connections etc. as required.	3	775	Rupees Seven Hundred Seventy Five Only	Each.	2325
	L&T/Legrand/Schneider make					
	Total					459865

Draft Schedule of quarterly charges for 4578651 and

UL&T/Legrand/Schneider make

removing and fixing following rating and breaking capacity MCCB within thermomagnetic release and terminal spreaders in existing cubical panel board including drilling holes in cubical panel , making connections etc. as required.

100 Amp 30 ka

L&T/Legrand/Schneider make

20 Earthing with G I earth plate 600mmx600mmx3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. etc. (with charcoal or coke and salt) complete as required.

21 Providing and laying earthing connection from earth electrode with 4.00mm dia G.I. wire in 15mm dia G.I pipe from earth electrode including connection with copper thimble excavation and re-filling as required

Supplying and fixing suitable size G 1 box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 25 amps modular socket outlet and 25 amps, modular switch, connections etc. as required.

L&T/Legrand/Schneider make

Total

459865

Executive Engineer
Electrical Division
HPPWD, Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- C/O HSC Building at Khurad Pat (Ground & First Floor) in Tehsil Jaisinghpur Dist. Kangra HP (SH:- Providing E I therein)		job No 2		ESTIMATED COST: Rs.3,53,689/-only. EARNEST MONEY: Rs.9700/- only TIME ALLOWED:Two Year		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	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 A	18	1085	Rupees One Thousand Eighty Five Only	Per point.	19530
	Group C.	30	1824	Rupees One Thousand Eight Hundred Twenty Four Only	Per point.	54720
	SC/KE/Plaza make					
2	supplying and fixing following type of Surface mounted luminaire , white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor> 0.9, Harmonic Distortion < 10% and efficacy> 100 lumens per watt, CRI rating >70 Suitable for input voltage AC 220-240 V , 50 Hz, Complete with all accessories , connections,testing and commissioning etc. as required with 5 years warranty					
	LED Batten light 20 W	16	761	Rupees Seven Hundred Sixty One Only	Each	12176
	Make Crompton Cat. no. CCS-100-20-65-HL2-DP-NWH/ Bajaj/ Wipro					
3	Providing and installation of LED fixture 15 W +/- 1 W LED Square Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 85 lm/W with and P. F ≥ 0.95 with THD <20%, CCT 6000 K,CRI 80, The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V with 5 years warranty					
	LED Surface mounting round downlighter 20 watt	9	1904	Rupees One Thousand Nine Hundred Four Only	Each	17136
	Makes :- Wipro (Cat No :-LL20-281-xxx-AL-1/Philips/Bajaj)					

4	Providing, installation, testing and commissioning of ceiling fan with 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.					
	Colling Fan 1200 mm swoop, Category-A	6	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	19146
	Makos :-Colling Fan 1200 mm sweep, Category-A usha Technlx Plus 3 Star,Philips,Bajaj					
5	Providing and installation of IP65 LED Bulk Head 10 W +/- 1 W LED with system with efficacy 100 lm/W with Aluminium housing and P.F ≥ 0.95 with THD <10%, CCT 5700 K,CRI 70, Surge protection 4 Kv. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V . with 5 year warranty.	9	1432	Rupees One Thousand Four Hundred Thirty Two Only	Each	12888
	Makes :-Wipro (Cat. No.:-LW07-141-XXX-57-G1) Philips/Bajaj.					
6	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 (Usha,Bajaj,Crompton make)	6	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	13614
7	Supplying and fixing call bell/buzzer suitable for single phase, 230 volts, complete as required.	2	217	Rupees Two Hundred Seventeen Only	Each	434
	Gold Medal/Anchor make					
8	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	21	582	Rupees Five Hundred Eighty Two Only	Each.	12222
	L&T/legrand/Schneider make					
9	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	11	750	Rupees Seven Hundred Fifty Only	Each.	8250
	L&T/legrand/Schneider make					

11	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	80	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	37840
	SC/KEI/Plaza make					
12	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	50	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	37750
	SC/KEI/Plaza make					
13	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	90	395	Rupees Three Hundred Ninety Five Only	P/Mtr.	35550
	2x6Sqmm+ 1 X 6 sq. mm earth wire	40	657	Rupees Six Hundred Fifty Seven Only	P/Mtr.	26280
	SC/KEI/Plaza make					
14	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel PVC conduit as required					
	3x2.5 sq mm	35	171	Rupees One Hundred Seventy One Only	P/Mtr.	5985
	SC/KEI/Plaza make					
17	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, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/isolator)					
	Double door-12 way	2	3100	Rupees Three Thousand One Hundred Only	Each	6200
	L&T/Legrand/Schneider make					
18	Supplying and fixing of 6 amps. to 32 amps. rating, 240/415 volts, 10 KA 'C' curves, miniature circuit breaker suitable for inductive load of following poles in the existing miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:-					

	6 Amp Single pole. Cat-A.	7	265	Rupees Two Hundred Sixty Five Only	Each	1855
	16 Amp Single pole. Cat-A.	11	265	Rupees Two Hundred Sixty Five Only	Each	2915
	L&T/Legrand/Schneider make					
19	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	63 Amps. Cat-A.	2	616	Rupees Six Hundred Sixteen Only	Each	1232
	L&T/Legrand/Schneider make					
20	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.					
	63 Amps. Cat-A.	2	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	7232
	L&T/Legrand/Schneider make					
21	Earthing with G I earth plate 600mmx600mmx3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. etc. (with charcoal or coke and salt) complete as required.	2	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Per set	17184
22	Providing and laying earthing connection from earth electrode with 4.00mm dia G.I. wire in 15mm dia G.I pipe from earth electrode including connection with copper thimble excavation and re-filling as required	50	40	Rupees Forty Only	Per Mtr	2000
23	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 25 amps modular socket outlet and 25 amps, modular switch, connections etc. as required.	2	775	Rupees Seven Hundred Seventy Five Only	Each.	1550
	L&T/Legrand/Schneider make					
	Total					353689

Design Schedule of quantity checked and approved for Rs 353689/-

Executive Engineer
Electrical Division
HPPWD Palampur

DRAFT SCHEDULE OF QUANTITY

DRAFT SCHEDULE OF QUANTITY						
NAME OF WORK :- :C/O Health Sub Center Building with delivery room at Mohli in Tehsil Fatehpur, Distt. Kangra (H.P.) (Sh:- Pdg. El in there in).		Job No 5		ESTIMATED COST: Rs.2,99,017/- only. EARNEST MONEY: Rs.6000/-only TIME ALLOWED:One Year		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	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 piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make: Plaza/KEI/Polycab/ Anchor (Roma Penta)/ Havells(Reo)/SSK / SCI					
i)	Group A.	16	1101.00	Rupees One Thousand One Hundred One Only	Per Point	17616
ii)	Group C.	27	1712.00	Rupees One Thousand Seven Hundred Twelve Only	Per Point	46224
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make: Plaza/KEI/Polycab/ Anchor (Roma Penta)/ Havells(Reo)/SSK /SCI.					
i)	Twin Control	1	1735.00	Rupees One Thousand Seven Hundred Thirty Five Only	Per Point	1735

3	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings). Make: Plaza/KEI/Polycab/ Anchor	8	290.00	Rupees Two Hundred Ninety Only	each	2320
4	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 front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required. Make: Plaza/KEI/Polycab/ Anchor (Roma Penta)/	9	485.00	Rupees Four Hundred Eighty Five Only	each	4365
5	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. Make: Anchor (Roma Plus)/Schneider (Liviat)/ Legrand (Myrius)/L&T(Entice).	1	775.00	Rupees Seven Hundred Seventy Five Only	each	775
6	Wiring for power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Make: KEI/Plaza/Anchor /SCI	64	473.00	Rupees Four Hundred Seventy Three Only	Per Meter	30272
7	Wiring for power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Make: KEI/Plaza/Anchor /SCI	33	755.00	Rupees Seven Hundred Fifty Five Only	Per Meter	24915
8	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. Make: KEI/Plaza/Anchor /SCI					
i)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	86	335.00	Rupees Three Hundred Thirty Five Only	Per Meter	28810
ii)	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	6	657.00	Rupees Six Hundred Fifty Seven Only	Per Meter	3942

iii)	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	6	793.00	Rupees Seven Hundred Ninety Three Only	Per Meter	4758
9	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. Make: KEI/Plaza/Anchor/SCI					
i)	3 x 1.5 sq. mm	20	111.00	Rupees One Hundred Eleven Only	Per Meter	2220
10	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase. 230 volts complete as required:-	2	194.00	Rupees One Hundred Ninety Four Only	each	388
11	Supplying and fixing PVC batten/angle holder including connection etc. as required.	9	98.00	Rupees Ninety Eight Only	each	882
12	Providing and installation 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.					
i)	Exhaust Fan, Light duty, (Domestic) 300 mm sweep (Make: Usha, Model: Aeroclean LD)/Bajaj (Model: Freshnee)/Anchor (Model: Anmol)/Crompton (Model: Drift air Plus .	5	2269.00	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	11345
13	Providing, Installation, testing and commissioning of ceiling fan ISI mark with electronic fan 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 (Make: Usha, /Bajaj/Crompton.	5	2869.00	Rupees Two Thousand Eight Hundred Sixty Nine Only	Each	14345
14	Providing, Installation, testing and commissioning of ceiling fan ISI mark with electronic fan 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 1400 mm sweep (Make: Bajaj Model:Speedster/	1	2869.00	Rupees Two Thousand Eight Hundred Sixty Nine Only	Each	2869
Crompton Model:WWHE) /Anchor (Model: XL).					
15 Providing and installation of IP20 Led fixture 20 W+/- 1W with Surface Mounted 4 Feet Batten Fixture with system efficacy $\geq 100\text{lm/W}$ with Aluminium housing P.F.>0.95 with THD<10% ,CCT 6500 K,CRI 80,Surge Protection 2 Kv.The LED with Useful life of 50000 Hrs at L70 with 5- years warranty.The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc.as required					
i) LED Batten 20W, 4 feet long (Make: Bajaj / Philips/Panasonic.	7	1044.00	Rupees One Thousand Forty Four Only	Each	7308
16 Providing and installation of LED fixture 1200mmX300mm 36 W+/- 1W Surface Mounted with PMMA diffuser with having minimum system lumen efficacy $\geq 100\text{lm/W}$ with CRCA Housing and PMMA Diffuser with P.F.>0.95,THD<10%,CCT 5700 K ,CRI 80.The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70, with 5- years warranty. The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc.as required complete in					
i) LED Panel Light 36 watt '1'x4' , (Make: Bajaj, / Wipro/Philips).	4	7234.00	Rupees Seven Thousand Two Hundred Thirty Four Only	Each	28936
17 Providing and fixing of IP65 LED Bulk head 10 W+/- 1W with with system efficacy $\geq 100\text{lm/W}$ with Aluminium housing P.F.>0.95 with THD<10% ,CCT 5700 K,CRI 70,Surge Protection 4 Kv.The LED with Useful life of 50000 Hrs at L70 with 5- years warranty.The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning					
i) Bulk Head Light LED 10 W (Make:- Bajaj /Wipro/Panasonic.	4	1415.00	Rupees One Thousand Four Hundred Fifteen Only	Each	5660

18	Supplying and fixing of LED wall Bracket having luminous flux 150 lumens, colour temp. 3000K, 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 220-240V, 50/60 HZ complete with all accessories, including connections,testing and commissioning etc.as required complete in all respect. Make- Philips, Jaquar & Wipro.					
	LED Wall Bracket 9W (Make: Jaquar / Philips / Wipro.	3	1763.00	Rupees One Thousand Seven Hundred Sixty Three Only	Each	5289
19	Supplying & fixing following type of Surface mounted luminaires, white power coated CRCA housing diffuser to avoid glare,it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 20% and efficacy > 100 Lumens per watt, CRI rating> 70 suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and					
	Mirror light 10 Watt, 2 Feet Long Surface Mounted (at par with Wipro Cat no.LL20-111-XXX-65NE3")	1	568.00	Rupees Five Hundred Sixty Eight Only	each	568
20	Providing and fixing of LED 20 watt street light luminaries of Bajaj having cat No. PSTM27208, powder coated pressure die-cast aluminium heat sink and toughened glass SMDLED streetlight with heat resistant toughened glass it should be compatible with specification i.e. power factor ≥ 0.9, Harmonic Distortion < 10% and efficiency ≥ 100 Lumens per watt, CRI rating> 70 suitable for input voltage: AC 220-240 V, 50 Hz with all accessories, connections, testing and commissioning etc. as required. Make:- Bajaj, Wipro					
i)	LED Street Light 20 W (Make:- Bajaj Cat no. PSTM27208)Wipro/Panasonic.	3	2424.00	Rupees Two Thousand Four Hundred Twenty Four Only	Each	7272
21	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe bended to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required:-	3	787.00	Rupees Seven Hundred Eighty Seven Only	Each	2361

22	Supplying and fixing 6 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.					
i)	Single pole (Make:- Anchor/ Schneider/ Legrand/L&T)	17	265.00	Rupees Two Hundred Sixty Five Only	Each	4505
23	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i)	40 Amps. (Make:- Anchor/ Schneider/ Legrand/L&T)	1	488.00	Rupees Four Hundred Eighty Eight Only	each	488
ii)	63 Amps. (Make:- Anchor/ Schneider/ Legrand/L&T)	1	616.00	Rupees Six Hundred Sixteen Only	Each	616
24	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i)	40 Amps. (Make:- Anchor/ Schneider/ Legrand/L&T)	1	2715.00	Rupees Two Thousand Seven Hundred Fifteen Only	each	2715
ii)	63 Amps. (Make:- Anchor/ Schneider/ Legrand/L&T)	1	3616.00	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616
25	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, 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)	Double door-12 way (Make:- Anchor/ Schneider/ Legrand/L&T)	1	2309.00	Rupees Two Thousand Three Hundred Nine Only	each	2309
ii)	Double door-16 way (Make:- Anchor/ Schneider/ Legrand/L&T)	1	2954.00	Rupees Two Thousand Nine Hundred Fifty Four Only	each	2954

26	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. (Make: Sidharth/BEC)					
i)	25 mm. dia					
27	Supplying and fixing of following sizes of PVC conduit of medium class with 1.4 mm thickness along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:- (Make: BEC Plas/Anchor)	5	265.00	Rupees Two Hundred Sixty Five Only	Per Meter	1325
	50 mm. dia	5	261.00	Rupees Two Hundred Sixty One Only	Per Meter	1305
28	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.					
	1or 2 Module(75mmX75mm X 60mm)	2	121.00	Rupees One Hundred Twenty One Only	each	242
29	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
	Telephone socket outlet piano type	1	122.00	Rupees One Hundred Twenty Two Only	each	122
	TV socket outlet piano type	1	90.00	Rupees Ninety Only	each	90
30	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine lined copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	15	36.00	Rupees Thirty Six Only	Per Meter	540
31	insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.					

	1 Pair	15	22.00	Rupees Twenty Two Only	Per Meter	330
32	Earthing with G.I. earth plate 600 mmx600 mmx 6 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/coke and salt as required.	1	8830.00	Rupees Eight Thousand Eight Hundred Thirty Only	Set	8830
33	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for conductor earth electrode, including connection/termination with GI thimble etc. as required.	55	41.00	Rupees Forty One Only	Per Meter	2255
34	Providing & 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, making good the damages, electrical connections, testing etc. complete as required.					
	25 Liter capacity water heater (Cat-A) Make:- Usha, Bajaj, Recold.	1	10250.00	Rupees Ten Thousand Two Hundred Fifty Only	each	10250
35	Providing and fixing LED Bulb 9 watts to 10 watt in the existing fixture as requaired complete in all respect.	9	150.00	Rupees One Hundred Fifty Only	each	1350
	Total					299017

Usha Schedule of quantity checker and approved for 299017/4

Executive Engineer
Electrical Division
HPPWD Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK:- Replacement of old/damaged FTL fixtures with new LED Fixtures in the Department of Gastroenterology, Hepatology, Nephrology in 1st Floor of Super Speciality block of Dr. RPGMC Kangra at Tanda.			Job No. 65		ESTIMATED COST: Rs.4,60,785/-only. EARNEST MONEY: Rs.9300/-only TIME ALLOWED: Two Months	
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	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 medium class PVC conduit and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. (But without switch, phenolic laminated sheet and M.S. box)					
	Group C	6	1133.00	Rupees One Thousand One Hundred Thirty Three Only	Point	6798
	(Make:-KEI,Anchor,Plaza/SCI) Legrand (Myrius), L&T(Oris), Anchor (Roma plus).					
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.					
	2x4 0 Sq. mm.	20	348.00	Rupees Three Hundred Forty Eight Only	P/Mtr	6960
	(Make:-KEI / Anchor / Plaza/SCI)					
3	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 300mm	6	2269.00	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	13614
	Makes:- Usha/Crompton/Bajaj					

4	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 18Watt (1800 lumen) 6500K 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, including one no. tube rod 18 Watt complete with all accessories, connections, testing and commissioning etc. as required. complete in all respects. with 5 Year warranty.					
	LED 18 Watt Tube fixture	15	1823.00	Rupees One Thousand Eight Hundred Twenty Three Only	Each	27345
	Makes:- Wipro/Havells/Bajaj					
5	Providing and installation of LED fixture 18W +/- 1W LED round/square surface mounted downlighter with minimum system lumen efficacy of 85 lm/W with and P.F. > 0.95 with THD $< 20\%$, CCT 6000K, CRI 80. The LED with useful life of 50000 Hrs. at L70. The input voltage range shall be 150V as required complete with connections, testing etc. with 5 Year warranty.					
	18 Watt LED round surface	12	1562.00	Rupees One Thousand Five Hundred Sixty Two Only	Each	18744
	Makes:- Panasonic/Wipro/Havells					
6	Providing and installation of LED fixture 15W +/- 1W LED round/square recess mounted downlighter with minimum system lumen efficacy of 85 lm/W with and P.F. > 0.95 with THD $< 20\%$, CCT 6000K, CRI 80. The LED with useful life of 50000 Hrs. at L70. The input voltage range shall be 150V as required complete with connections, testing etc. with 5 Year warranty.					
	15 Watt LED round recess	12	1448.00	Rupees One Thousand Four Hundred Forty Eight Only	Each	17376
	Makes:- Wipro/Panasonic/Havells					

7	Providing and fixing of LED fixture 600mm x 600mm 36Watt +/- 1W recess mounted having minimum system lumen efficacy of 100lm/W with CRCA housing and PMMA diffuser with P.F. >0.95, THD<10%, CCT 5700K, CRI 80. The LED shall be tested with LM80-08 standard with useful life of 50000 hrs. at L70. The input voltage range shall be 150V as required complete with connections, testing etc. with 5 Year warranty.							
	36 Watt LED 2'x2' recess panel	60	5409.00	Rupees Five Thousand Four Hundred Nine Only	Each	324540		
	Makes:- Panasonic/Wipro/Havells							
8	Providing and fixing of LED fixture 1200mm x 300mm 36Watt +/- 1W surface mounted with PMMA diffuser with having minimum system lumen efficacy of 100lm/W with CRCA housing and PMMA diffuser with P.F. >0.95, THD<10%, CCT 5700K, CRI 80. The LED shall be tested with LM80-08 standard with useful life of 50000 hrs. at L70. The input voltage range shall be 150V as required complete with connections, testing etc. with 5 Year warranty.							
	36 Watt LED 4'x1' surface panel	6	7568.00	Rupees Seven Thousand Five Hundred Sixty Eight Only	Each	45408		
	Makes:- Bajaj/Wipro/Panasonic							
	Total							460785

Detail Schedule of Quantity checked and approved for ₹ 460785/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Police Station Building at Dehra in Tehsil Dehra Distt. Kangra (H.P.) (S.H:- Providing Campus Lighting therein).		Job No 6		ESTIMATED COST: Rs. 3,91,715/-only. EARNEST MONEY: Rs. 7900/-only TIME ALLOWED: Six Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and erection of Decorative Lighting Pole of length 4 mtr . The pole made out of Galvanised Mild Steel Tubes with base plate 250x250x12mm . The poles to be primer coated and painted with polyurethane paint. The pole has a sevic window at the bottom profile comprising 4-way 25 Amp connector terminal and a MCB etc. The pole to be mounted on a 1:2:4 cement concrete base (pedestal) of 450X450 mm and 300 mm L-Type foundation bolts 4x16 mm dia. with nuts, templates and all complete as per approved drawing. Foundation RCC 1:2:4 shall be of size 450x450mm and depth 900 mm c/c as per approved drawing. The foundation shall extend above surrounding ground/driveway level for 200 mm and have slant 63mm dia. PVC sleeve cast insitu foundation for cable entry as per the drawing, complete in all respects as required. Make:Twinkle (Cat No LuxMax-SP-114-402),K-Lite or its equivalent as per best satisfaction on Engineer-in -charge .					
i	4 Meter long having 114mm dia at bottom and 60/75mm dia at top.	7	22919.00	Rupees Twenty Two Thousand Nine Hundred Nineteen Only	Each	160433
2	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering. Makes: KEI/Havells/ Plaza /SCI or Equivalent make.					
i	Armoured cable 6 sq. mm (twin core)	306	302.00	Rupees Three Hundred Two Only	P/Mtr.	92412
3	Providing & Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Makes: KEI/Havells/ PLAZA /SCI or its equivalent as approved by Et-in-charge					
i	Armoured cable 6 sq. mm (twin core)	96	226.00	Rupees Two Hundred Twenty Six Only	P/Mtr.	21696

4	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed. Steel/PVC conduit as required. Makes: Plaza/KEI/Anchor/SCI.						
i	PVC insulated HFR LS Copper conductor 1.5 Sq. mm.						
ii	2x1.5 Sq. mm.	28	73.00	Rupees Seventy Three Only	P/Mtr.	2044	
5	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	Double door-4 way	6	1478.00	Rupees One Thousand Four Hundred Seventy Eight Only	Each	8868	
ii	Double door-6 way	1	1633.00	Rupees One Thousand Six Hundred Thirty Three Only	Each	1633	
iii	Double door-12 way	1	2171.00	Rupees Two Thousand One Hundred Seventy One Only	Each	2171	
	Makes: Anchor/Logrand/Schneider.						
6	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 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.						
i	Single pole. Cat-A.	11	249.00	Rupees Two Hundred Forty Nine Only	Each	2739	
ii	Makes: Anchor/Logrand/Schneider.						
7	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	40 Amps. Cat-A.	2	459	Rupees Four Hundred Fifty Nine Only	Each	918	
ii	Makes: Anchor/Logrand/Schneider.						

8	Supplying and fixing of LED Flood light Luminaire comprises of Al Die cast Housing with frame . High Purity PC lens Diffuser, cradle mounting, minimum system lumens of 5000. The luminaire shall have CCT of 5700K and CRI of minimum 80, PF>0.95 and THD>10%. The luminaire shall have IP66 and IK08 protection. The LED shall be compliant with Useful L70 life of 50000 Hrs. Driver efficiency should be 85% to operate in input voltage range of 100V to 270V (nominal rated voltage – 240V) with 4 KV					
i	LED Post top Luminaire 50 watts					
ii	Makes: Bajaj (Cat No: GLEAM F 55L WH SY PC SD V2- 50W),Panasonics, Wipro or Equivalent	3	6099	Rupees Six Thousand Ninety Nine Only	Each	18297
9	Providing and erection of LED Post top 40 Watts 5700 K luminaires having powder coated pressure die-cast aluminium Post top light with heat resistant toughened glass including connections, testing and commissioning etc. as required complete in all respects.					
i	LED Post top Luminaire 40 watts.					
ii	Makes: Bajaj (Cat No: BGCTNP 40W LED WH-40Watts)/Wipro/ Panasonics or equivalent	8	10063	Rupees Ten Thousand Sixty Three Only	Each	80504
	Total					391715

Self Schedule of quantity checked for 391715 rupees

[Signature]
 Executive Engineer
 Electrical Division
 HPPWD Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- Providing Copper Earthing in the building of Dy. Director Horticulture Department Kangra at Dharamshala Distt Kangra (H.P).			Job No 67		ESTIMATED COST: Rs.3,55,368/-only. EARNEST MONEY: Rs.7200/-only TIME ALLOWED: Three Months	
SR. NO.	DESCRIPTION	QTY.	FIGURE	RATES	UNIT	AMOUNT
			S	WORDS		
1.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. Make: KEI/Plaza/Anchor/SCI					
1.01	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	10	1101	Rupees One Thousand One Hundred One Only	Per Metre	11010
1.02	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	10	2025	Rupees Two Thousand Twenty Five Only	Per Metre	20250
2.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. Make: KEI/Plaza/Anchor/SCI.					
2.01	3 x 1.5 sq. mm	40	111	Rupees One Hundred Eleven Only	Per Metre	4440
3.00	Supplying and fixing 6 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.					
3.01	Single pole 6 Amp (Make:-Schneider/ Legrand/L&T)	10	265	Rupees Two Hundred Sixty Five Only	Each	2650
3.02	Single pole 16 Amp (Make:- Schneider/ Legrand/L&T)	10	265	Rupees Two Hundred Sixty Five Only	Each	2650
4.00	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
4.01	40 Amps. (Make:- Schneider/ Legrand/L&T)	3	488	Rupees Four Hundred Eighty Eight Only	Each	1464
4.02	63 Amps. (Make:- Schneider/ Legrand/L&T)	3	616	Rupees Six Hundred Sixteen Only	Each	1848

5.00	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
5.01	40 Amps. (Make:- Schneider/ Legrand/L&T)	3	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	8145
5.02	63 Amps. (Make:- Schneider/ Legrand/L&T)	3	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	10848
6.00	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2	18749	Rupees Eighteen Thousand Seven Hundred Forty Nine Only	Per Set	37498
7.00	Providing and fixing 25mm x 5mm copper strip on surface or in recess for earth connections etc. as required.	80	1562	Rupees One Thousand Five Hundred Sixty Two Only	Per Metre	124960
8.00	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	8	314	Rupees Three Hundred Fourteen Only	Per Metre	2512
9.00	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	80	180	Rupees One Hundred Eighty Only	Per Metre	14400
10.00	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size:- (Make:- KEI/ SCI/Plaza/Havells).					
10.01	Armoured cable 70 sq. mm (3.5 core)	25	1127	Rupees One Thousand One Hundred Twenty Seven Only	Per Metre	28175
11.00	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground, to be laid 1 meter below the ground level including excavation and refilling the trench etc.as required, but excluding sand cushioning and protective covering:- (Make:- KEI/SCI/ Plaza/Havells)					
11.01	Armoured cable 70 sq. mm (3.5 core)	25	1150	Rupees One Thousand One Hundred Fifty Only	Per Metre	28750

12.00	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. Make: Schneider/ Legrand/L&T.					
12.01	MCCB 40/100 Amp 18KA	2	6653	Rupees Six Thousand Six Hundred Fifty Three Only	Each	13306
13.00	Supplying and fixing of following way triple pole and neutral, sheet steel MCB distribution board, 415 volts, on surface / recess, with provision to mount 4 pole MCCB incomer, 2 module sub-incomer and SP MCCBs as outgoing, complete with lined copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required. Make: Schneider/ Legrand/L&T.					
13.01	Double door 2+12 way (MCCB+6+36) module.	2	14869	Rupees Fourteen Thousand Eight Hundred Sixty Nine Only	Each	29738
14.00	Supplying and fixing of Electrical Panel Rubber insulation mat of suitable size and thickness upto 12.5mm with chequered holes/ solid sheet with insulation voltage resistance of 2kv/sqm etc. as required complete in all respects.	4	3181	Rupees Three Thousand One Hundred Eighty One Only	Per Metre	12724
	Total					355368

Rate Schedule quantity checked and approved for Rs. 355368/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
NAME OF WORK :- Providing Solar Street light in NIFT Campus Kangra at Chheb in Distt. Kangra (H.P).		job No 14B		ESTIMATED COST: Rs.1,17,992/-only. EARNEST MONEY: Rs.2400/- only TIME ALLOWED:One Month		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and Fixing 12 Watt All in one Smart Integrated Solar Street light with built in Mono Crystalline Panel Lithium Ion Battery (LiFePO4),MPPT (Maxium Power Point Tracking) Charge Controller and PIS (Passive Infrared Sensor)Sensor with colour temperature 6000-6500K including connections,testing etc. as required complete in all respect.					
	12Watt All in one Smart Integrated Solar Street light.					
	Make :- Bajaj/Panasonic/Havells/Clair	4	29498	Rupees Twenty Nine Thousand Four Hundred Ninety Eight Only	Each	117992
	Total					117992

Days Schedule of quantity checked and given for 117992/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Repair and Maintenance of E.I. to 500 Bedded Hospital Dr. RPGMC Kangra at Tanda. (SH: Rewinding of ceiling fans, replacement of fan condensers, fan regulators, extra down fan rods and ball bearing etc. in various Wards of ground floor to fourth floor and OPD area therein)		Job No. 4		ESTIMATED COST: Rs 2,08,590/-only. EARNEST MONEY: Rs.4200/-only TIME ALLOWED: Two Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Rewinding of ceiling fan 1200/1400 mm sweep new model with copper insulated wire HTP-34 number including varnishing, capacitor, ball bearing etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	230	680.00	Rupees Six Hundred Eighty Only	Each	156400
2	Providing and fixing extra conduit down rod of 20mm dia. x 60 cm with 16/0.20 mm twin twisted flexible, cotton braided, copper cable including painting, connections etc. as required:-	31	170.00	Rupees One Hundred Seventy Only	Each	5270
3	Replacement of fan condenser 2.5 MFD suitable for 1200/1400 ceiling fans as required complete in all respects and to the best satisfaction of Engineer-in-charge.	264	90.00	Rupees Ninety Only	Each	23760
4	Supplying and fixing stepped type fan regulator on the existing modular box including making connections etc. as required.	48	390.00	Rupees Three Hundred Ninety Only	Each	18720
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.					
1.17.3	3 x 1.5 Sq.mm.	40	111.00	Rupees One Hundred Eleven Only	Each	4440
Total						208590

Data Schedule of Quantity checked and approved for
22/08/2020 only

Executive Engineer
Electrical Division
HPWD Palampur

DRAFT SCHEDULE OF QUANTITY

DRAFT SCHEDULE OF QUANTITY						
NAME OF WORK :- C/O Ayurvedic Health Centre Building at Bagga Tehsil Jawali Distt. Kangra (HP)(SH:- Providing EI there in).		Job No 210		ESTIMATED COST: Rs. 1,79,923/-only. EARNEST MONEY: Rs. 3600/-only TIME ALLOWED: Two Year		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	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 piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Make: KEI/SCI/Plaza/Anchor & Anchor/SSK					
i)	Group C.	43	1610.00	Rupees One Thousand Six Hundred Ten Only	Pt.	69230
2	Wiring for power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Make: KEI/SCI/Plaza/Anchor.	20	445.00	Rupees Four Hundred Forty Five Only	Meter	8900
3	Wiring for power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. Make: KEI/SCI/Plaza/Anchor.	28	710.00	Rupees Seven Hundred Ten Only	Meter	19880
4	Wiring for circuit submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. Make: KEI/SCI/Plaza/Anchor.					
i)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	37	315.00	Rupees Three Hundred Fifteen Only	Mtr.	11655
ii)	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	2	746.00	Rupees Seven Hundred Forty Six Only	Mtr.	1492

1)	3 x 1.5 sq. mm	24	104.00	Rupees One Hundred Four Only	Mtr.	2480
6	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. (Make: BEC PlasVAnchor/Finolox)					
1)	50 mm. dia	3	245.00	Rupees Two Hundred Forty Five Only	Mtr.	735
7	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. Make: Anchor/SSK	5	273.00	Rupees Two Hundred Seventy Three Only	each	1365
8	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 including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required. Make: Anchor/SSK	4	456.00	Rupees Four Hundred Fifty Six Only	each	1824
9	Supplying & fixing following type of Surface mounted luminaires, white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 10% and efficacy 2100 Lumens per watt, CRI rating > 70 suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required.					
1)	LED Batten 20W, 4 feet long Make: Crompton (Cat no. CCS-100-20-65-HL2-DP-NWH/Bajaj/Wipro	20	716	Rupees Seven Hundred Sixteen Only	Each	14320
10	Providing, Installation, testing and commissioning of ceiling fan ISI mark with electronic fan 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.					
1)	Ceiling Fan 1200 mm sweep, Cat-A (Make: Crompton Model: WWHE ISI/ Usha/ Bajaj	7	2395.00	Rupees Two Thousand Three Hundred Ninety Five Only	each	16765
11	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:-					

11	Exhaust Fan, Light duty. (Domestic) 225 mm sweep (Make: Crompton, Model : Flux Air metal)/Usha/ Bajaj	5	1829.00	Rupees One Thousand Eight Hundred Twenty Nine Only	each	9145
12	Supplying and fixing 6 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.					
i)	Single pole (Make:- Anchor/ Schneider/ Legrand/L&T)	10	249.00	Rupees Two Hundred Forty Nine Only	each	2490
13	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
1)	40 Amps. (Make:- Anchor/ Schneider/ Legrand/L&T)	1	459.00	Rupees Four Hundred Fifty Nine Only	each	459
14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
i)	40 Amps. (Make:- Anchor/ Schneider/ Legrand/L&T)	1	2554.00	Rupees Two Thousand Five Hundred Fifty Four Only	each	2554
15	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, 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)	Double door-16 way (Make:- Anchor/ Schneider/ Legrand/L&T)	1	2778.00	Rupees Two Thousand Seven Hundred Seventy Eight Only	each	2778
16	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1	5819.00	Rupees Five Thousand Eight Hundred Nineteen Only	Set	5819
17	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	20	39.00	Rupees Thirty Nine Only	Mtr.	780
18	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	9	92.00	Rupees Ninety Two Only	each	828

19	Providing and erection of LED 20 watt street light luminaries of Crompton Greaves Electric having cat No. /ordering code LSTS-20-CDL-M , powder coated pressure die-cast aluminium SMDLED streetlight with heat resistant toughened glass it should be compatible with specification i.e. power factor ≥ 0.9 , Harmonic Distortion $< 10\%$ and efficiency ≥ 100 Lumens per watt, CRI rating > 70 suitable for input voltage: AC 220-240 V, 50 Hz, including connection, testing and commissioning etc. as required.					
i)	Street light fixture 20 watt LED with Lens, Make: Crompton (cat No. LSTS-20-CDL-M)/Bajaj/Mipro	2	1789.00	Rupees One Thousand Seven Hundred Eighty Nine Only	each	3578
20	Supplying and erection of street light bracket made of G.I. pipe 'A' class of suitable length and dia, the pipe bended to give an angle of 100 to 110 degree fitted with bolt & nuts at the top of existing pole or wall including painting the pipe with two coats of approved paint over priming coat complete in all respects as required:-					
i)	40 mm dia. G.I. pipe, heavy class	2	740.00	Rupees Seven Hundred Forty Only	each	1480
21	Providing and fixing LED Bulb 9 watts to 10 watt in the existing fixture as required complete in all respect.	9	150.00	Rupees One Hundred Fifty Only	each	1350
	Total					179923

Bill Schedule of quantity checked and approved for 1,79,923 only

Executive Engineer
Electrical Division
HPPWD Palampur
X4

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK : C/o Public Health Centre at Naganpatti in Tehsil and Distt. Kangra (H.P.) (SH:- Providing E.I. therein).

Job No. 4/11

ESTIMATED COST: Rs. 4,87,695/- only.
EARNEST MONEY: Rs. 9800/- only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	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 A	21	1115	Rupees One Thousand One Hundred Fifteen Only	Per Point	23415
	Group B	26	1592	Rupees One Thousand Five Hundred Ninety Two Only	Per Point	41392
	Group C	32	1823	Rupees One Thousand Eight Hundred Twenty Three Only	Per Point	58336
	Makes:- L&T(Entice)/Legrand(Myrius)/Schneider(Opale)/SCI					
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No. HRRF/LS/PVC insulated single core copper conductor cable of same size for earthing as required					
2.1	2x2 5 Sq. mm.	90	395	Rupees Three Hundred Ninety Five Only	Per Meter	35550
2.2	2x4 0 Sq. mm.	130	471	Rupees Four Hundred Seventy One Only	Per Meter	61230
2.3	2x10 Sq. mm.	1	793	Rupees Seven Hundred Ninety Three Only	Per Meter	793
	Makes:- KEI / Anchor / Finolex/SCI					
3	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No. 4 Sq. mm. (4X4+2X4)HRRF/LS/PVC insulated single core copper conductor cable for earthing as required.	65	771	Rupees Seven Hundred Seventy One Only	Per Meter	50115

	Makes:- KEI / Anchor / Finolex/SCI					
4	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. 3x2.5 Sq. mm.	40	171	Rupees One Hundred Seventy One Only	Per Meter	6840
	Makes:- KEI / Anchor / Finolex/SCI					
5	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	33	582	Rupees Five Hundred Eighty Two Only	Each	19206
	Makes:- L&T / Legrand / Schneider					
6	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	19	750	Rupees Seven Hundred Fifty Only	Each	14250
	Makes:- L&T / Legrand / Schneider					
7	Supplying and fixing call bell/ Ding-dong suitable for single phase, 230 volts, complete as required.	3	187	Rupees One Hundred Eighty Seven Only	Each	561
	Makes:- Anchor / Goldmedal/ Havells					
8	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required:-					
	8 modules	2	775	Rupees Seven Hundred Seventy Five Only	Each	1550
9	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.					
9.1	S.P. 5/6 Amps one way Modular switch	4	151	Rupees One Hundred Fifty One Only	Each	604
9.2	5 pin, 5/6 Amps Modular socket outlet	6	220	Rupees Two Hundred Twenty Only	Each	1320
10	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:-	8	265	Rupees Two Hundred Sixty Five Only	Each	2120
	Single Pole. Cat-A.					
	Makes:- L&T / Legrand / Schneider					

11	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	40A Double pole, Cat-A.	3	488	Rupees Four Hundred Eighty Eight Only	Each	1464
	Makes:- L&T / Legrand / Schneider					
12	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	40 Amps. Cat-A.	3	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	8145
	Makes:- L&T / Legrand / Schneider					
13	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:-					
	Double door-16 way	3	2954	Rupees Two Thousand Nine Hundred Fifty Four Only	Each	8862
	Makes:- L&T / Legrand / Schneider					
14	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	3	10244	Rupees Ten Thousand Two Hundred Forty Four Only	Per Set	30732
	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	30	30	Rupees Thirty Only	Per Meter	900
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:-	7	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	15883
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep					
	Makes: Usha / Bajaj / Crompton Greaves					

17	Providing and fixing of LED Bulkhead 10W +/- 1W with minimum system lumen efficacy of 100 lm/W with and P.F. >0.95 with THD<10%, CCT 5700 K, CRI 70, surge protection 4 kV. The LED with useful life of 50000 hrs. at L70. The input voltage range shall be 150V to 270V as required.					
	LED Bulk Head 10 Watt	9	1736	Rupees One Thousand Seven Hundred Thirty Six Only	Each	15624
	Makes: Wipro/Panasonic/Havells					
18	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, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:-					
	Ceiling Fan 1200 mm sweep, Cat.-A	16	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	51056
	Makes: Usha / Bajaj / Crompton Greaves					
19	Providing and installation of LED fixture 18W +/- 1W LED square/round surface downlighter with minimum system lumen efficacy of 85 lm/W with and P.F. >0.95 with THD<20%, CCT 6000 K, CRI 80. The LED with useful life of 50000 hrs. at L70. The input voltage range shall be 150V to 270V as required.					
	LED Surface mounting Square/Round downlighter 18 Watt	4	1697	Rupees One Thousand Six Hundred Ninety Seven Only	Each	6788
	Makes: Wipro/Panasonic/Havells					
20	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 18Watt (1800 lumen) 6500K 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, including one no. tube rod 18 Watt complete with all accessories, connections, testing and commissioning etc. as required.					
	18 Watt LED Tube Fixture					
	Makes: Wipro/Bajaj/Havells	5	1823	Rupees One Thousand Eight Hundred Twenty Three Only	Each	9115

21	Providing and fixing decorative LED mirror light having high quality design suitable for LED tube up to 10Watt (1000 lumen) 6500K 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.					
	10 Watt LED Mirror Light, 2 feet					
	Makes: Havells/ Bajaj/ Osram	2	801	Rupees Eight Hundred One Only	Each	1602
22	Providing and installation of LED fixture 1200mm x 300mm, 36W +/- 1W surface mounted with PMMA diffuser with having minimum system lumen efficacy of 100 lm/W with CRCA housing and P.F. > 0.95 with THD $< 10\%$, CCT 5700 K, CRI 80. The LED shall be tested with LM80-08 standard with useful life of 50000 hrs. at L70. The input voltage range shall be 150V to 270V as required.					
	36 Watt Surface mounted Panel-1'X4'	2	7568	Rupees Seven Thousand Five Hundred Sixty Eight Only	Each	15136
	Makes: Wipro/Panasonic/Havells					
23	Supplying and fixing 45W LED street light made up of pressure die cast housing with TOUGHENED GLASS and IP66 protection including connections, testing etc. as required complete in all respects.					
	45W LED Street Light					
	Makes: Wipro/Panasonic/Havells	1	5106	Rupees Five Thousand One Hundred Six Only	Each	5106
	Total					487695

Doft Schedule of quantity checked and prices for 487695/only

Executive Engineer
Electrical Division
HPPWD Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of old FTL fixtures with new LED fixtures in the X-Ray Room No 1&2 and Reporting room area of 500 bedded hospital Dr. RPGMC Kangra at Tanda

Job No 312

ESTIMATED COST: Rs.2,21,105/-only.
EARNEST MONEY: Rs.4500/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	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 medium class PVC conduit and earthing the point with 1.5 sq. mm. FRLS PVC insulated copper conductor single core cable etc as required. (But without modular switch, modular plate and G.I. box)					
1.1	Group C	8	1133.00	Rupees One Thousand One Hundred Thirty Three Only	Point	9054
	Make : KEI/Plaza/Anchor/SCI					
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.					
2.1	2x1.5 Sq. mm.	15	212.00	Rupees Two Hundred Twelve Only	P/Mtr	3180
2.2	2x4.0 Sq. mm.	15	348.00	Rupees Three Hundred Forty Eight Only	P/Mtr	5220
	Make : KEI/Plaza/BEC/SCI					
3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
3.1	S.P. 5/6 amps. one way modular switch	50	130.00	Rupees One Hundred Thirty Only	Each	6500
3.2	S.P. 15/16 amps. one way modular switch	10	225.00	Rupees Two Hundred Twenty Five Only	Each	2250
3.3	3 pin 5/6 amps modular socket outlet	10	187.00	Rupees One Hundred Eighty Seven Only	Each	1870
3.4	6 pin 15/16 amps modular socket outlet	10	340.00	Rupees Three Hundred Forty Only	Each	3400
	Makes:- L&T/Legrand/Schneider					

4	Supplying and fixing following size/ modules. GI box alongwith modular base & cover plate for modular switches in recess etc as required.						
4.1	3 module - Modular GI box with Modular base & cover plate	10	384.00	Rupees Three Hundred Eighty Four Only	Each	3840	
4.2	4 module - Modular GI box with Modular base & cover plate	10	423.00	Rupees Four Hundred Twenty Three Only	Each	4230	
	Makes:- L&T/Legrand/Schneider						
5	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.						
5.1	Stepped type Modular Fan regulator (2 module)	10	737.00	Rupees Seven Hundred Thirty Seven Only	Each	7370	
	Makes:- L&T/Legrand/Schneider						
6	Supplying and fixing 6 amps to 32 amps rating. 240/415 volts. 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.						
	6-32 A. Single pole	2	265.00	Rupees Two Hundred Sixty Five Only	Each	530	
	Makes:- L&T/Legrand/Schneider						
7	Supplying and fixing 40/50/63 amps rating. 240/415 volts. 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.						
	63 A. Double pole	1	1071.00	Rupees One Thousand Seventy One Only	Each	1071	
	Makes:- L&T/Legrand/Schneider						
8	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)						
	4 way. Double door	1	1572.00	Rupees One Thousand Five Hundred Seventy Two Only	Each	1572	
	Makes:- L&T/Legrand/Schneider						

9	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.				
	Ceiling Fan 1200 mm sweep	4	3191.00	Rupees Three Thousand One Hundred Ninety One Only	Each 12764
	Makes:- Usha/Technix Plus/Crompton/Bajaj				
10	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 18Watt (1800 lumen) 6500K 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, including one no. tube rod 18 Watt complete with all accessories, connections, testing and commissioning etc. as required complete in all respects.				
10.1	LED 18 Watt Tube fixture	2	1823.00	Rupees One Thousand Eight Hundred Twenty Three Only	Each 3646
	Makes:- Havells/Bajaj/Wipro				
11	Supplying and fixing surface round/square type LED 18 Watt (1800 lumen), 6000K made of white powder-coated pressure die-cast aluminum housing 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.				
	18 Watt LED round surface	2	1562.00	Rupees One Thousand Five Hundred Sixty Two Only	Each 3124
	Makes:- Panasonic/Mipro/Havells				

12	Supplying and fixing 4'x1' size LED solution suitable for surface application with the use of the latest technology 36 Watt (3300 lumens). 5700K made of CRCA housing and it should be compatible with specifications i.e. power factor ≥ 0.95 , harmonic distortion $\leq 10\%$ and efficacy ≥ 80 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.						
12.1	36 Watt LED 4'x1' Surface	18,-	7568.00,-	Rupees Seven Thousand Five Hundred Sixty Eight Only	Each	136224	
12.2	36 Watt LED 4'x1' Recess	2	7625.00	Rupees Seven Thousand Six Hundred Twenty Five Only	Each	15250	
	Makes:- Panasonic/Wipro/Havells						
	Total					221105	

Best Schedule of quantity checked and approved for 221105-01/1

Executive Engineer
Electrical Division
HPWD Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK:- Providing Geysers in various floors of Super Speciality Block and Maharaja Sansar Chand Guest House Dr. RPGMC Kangra at Tanda.				Job No. 13		ESTIMATED COST: Rs.1,54,697/-only. EARNEST MONEY: Rs.3100/-only TIME ALLOWED: One Month	
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT	
			FIGURES	WORDS			
1	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	80	348.00	Rupees Three Hundred Forty Eight Only	Meter	27840	
	Makes:-KEI/Plaza/Havells/SCI						
2	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 expansionbolts in the wall, making good the damages, electrical connections, testing etc. complete as						
2.1	25 Liter capacity water heater (Cat-A)	1	14220.00	Rupees Fourteen Thousand Two Hundred Twenty Only	Each	14220	
2.2	35 Liter capacity water heater (Cat-A)	5	16091.00	Rupees Sixteen Thousand Ninety One Only	Each	112627	
	Makes:-Usha/Havells/Bajaj						
	Total					154697	

Self-Schedule of Quantity checked and approved for 15/06/2025

Executive Engineer
 Electrical Division
 HPPWD Palampur

DRAFT SCHEDULE OF QUANTITY

DRAFT SCHEDULE OF QUANTITY						
NAME OF WORK :- Providing and installation of Inverter 4 KVA for additional power back-up in HPPWD Rest House at Kangra in Distt. Kangra (H.P).			job No 14		ESTIMATED COST: Rs.1,62,376-Only. EARNEST MONEY: Rs.3300/-only TIME ALLOWED: Three Months	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No. HRRFLS/PVC insulated single core copper conductor cable of same size for earthing as required.					
1.1	2x1.5 Sq. mm.	40	212.00	Rupees Two Hundred Twelve Only	Per Meter	8480
1.2	2x6.0 Sq. mm.	25	486.00	Rupees Four Hundred Eighty Six Only	Per Meter	12150
	Makes:- KEI / Anchor / Plaza/SCI					
2	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:-					
	25 mm. dia	25	113.00	Rupees One Hundred Thirteen Only	Per Meter	2825
	Makes:- Diplast/ BEC / Plaza/PolyFit					
3	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:-					
	Single pole. Cat-A	4	265.00	Rupees Two Hundred Sixty Five Only	Each	1060
	Makes:- L&T / Legrand / Schneider					
4	Supplying and erection of 40/50/63 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:-					

	Double pole. Cat-A.	2	1071.00	Rupees One Thousand Seventy One Only	Each	2142
	Makes:- L&T / Legrand / Schneider					
5	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. 63 Amps. Cat-A.	1	3616.00	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616
	Makes:- L&T / Legrand / Schneider					
6	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:-					
6.1	Double door-4 way	1	1572.00	Rupees One Thousand Five Hundred Seventy Two Only	Each	1572
6.2	Double door-8 way	1	1897.00	Rupees One Thousand Eight Hundred Ninety Seven Only	Each	1897
	Makes:- L&T / Legrand / Schneider					
7	Supplying, installation, testing and commissioning of 4 KVA INVERTER (24V/Four batteries) as required complete in all respects and to the best satisfaction of Engineer-in-charge.					
	Makes:- Invertor of LUMINOUS make(Cat No. iCruze 4 KVA -48 V)	1	41606.00	Rupees Forty One Thousand Six Hundred Six Only	Each	41606
8	Supplying, installation, testing and commissioning of Tall Tubular battery 150 AH suitable for 2 KVA invertor/UPS as required complete in all respects and to the best satisfaction of Engineer-in-charge.					

	Makes:- LUMINOUS make (Cat No. LM18075)	4	20507.00	Rupees Twenty Thousand Five Hundred Seven Only	Each	82028
9	Supplying & fixing of Battery Trolley (iron) for Inventor/UPS batteries as required complete in all respects and to the best satisfaction of Engineer-in-charge.	1	5000.00	Rupees Five Thousand Only	Each	5000
	Total					162376

Self Schedule of quantity checked and approved for ₹ 162376 only

Exequire Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK:- Repair and Maintenance of E.I. to various Govt. Non-Residential Buildings In Dr. RPGMC Kangra at Tanda. (SH: Replacement of damaged/burnt out safety devices along with wiring etc. therein)		Job No. 15		ESTIMATED COST: Rs.4,81,527/-only. EARNEST MONEY: Rs.9700/-only TIME ALLOWED: Three Months		
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make :- KEI/SCI/Plaza					
1.1	3x1.5 Sq. mm.	85	111.00	Rupees One Hundred Eleven Only	Meter	9435
2	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. Make :- L&T/Legrand/Schneider					
2.1	Single Pole.Cat-A	30	265.00	Rupees Two Hundred Sixty Five Only	Each	7950
3	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make :- L&T/Legrand/Schneider					
3.1	40 Amps. DP Cat-A	04	488.00	Rupees Four Hundred Eighty Eight Only	Each	1952
3.2	63 Amps. DP Cat-A	10	616.00	Rupees Six Hundred Sixteen Only	Each	6160
4	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. Make :- L&T/Legrand/Schneider					
4.1	40 Amps. Cat-A	02	2715.00	Rupees Two Thousand Seven Hundred Fifteen Only	Each	5430
4.2	63 Amps. Cat-A	05	3616.00	Rupees Three Thousand Six Hundred Sixteen Only	Each	18080

5	Providing and fixing following rating and breaking capacity MCCB in the existing cubical panel board including drilling holes in the cubicle panel, making connections, etc. as required Make :- L&T/Legrand/Schneider						
5.1	100 Amp.-18 KA	5	6653.00	Rupees Six Thousand Six Hundred Fifty Three Only	Each	33265	
5.2	250 Amp.-25 KA	5	9804.00	Rupees Nine Thousand Eight Hundred Four Only	Each	49020	
6	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured / XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering Make :- KEI/SCI/Plaza						
	Armoured cable 400 sq.mm(3.5 core)	57	4865.00	Rupees Four Thousand Eight Hundred Sixty Five Only	Meter	277305	
7	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. Make :- KEI/SCI/Plaza	15	4862.00	Rupees Four Thousand Eight Hundred Sixty Two Only	Meter	72930	
	Armoured cable 400 sq.mm(3.5 core)						
	Total					481527	

Dr. Self Schedule Quantity Checked and approved for Rs. 481527 (Rs)

Executive Engineer
Electrical Division
HPPWD Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of Switchgear System into new one 2 Nos type-II Quarter for residential Building of Police Station at Banikhet In Tehsil Dalhousie Distt. Chamba (H.P.) .		job No 716		ESTIMATED COST: Rs.1,27,252/-only. EARNEST MONEY: Rs.2600/- only TIME ALLOWED: Six Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	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.Make: Anchor (Pantay) SSK(Touch)					
	Group A.	40	1101	Rupees One Thousand One Hundred One Only	Per point	44040
2	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.Make: KEI/Plaza/Anchor/SCI					
	PVC insulated HFRF LS Copper conductor 1.5 Sq. mm.					
	3x2.5 Sq. mm.	40	171	Rupees One Hundred Seventy One Only	Per metre	6840
	3x4 Sq. mm.	56	253	Rupees Two Hundred Fifty Three Only	Per metre	14168
	3x10 Sq. mm.	6	618	Rupees Six Hundred Eighteen Only	Per metre	3708
3	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.Make: Anchor (Pantay)/SSK(Touch)	8	290	Rupees Two Hundred Ninety Only	Each	2320
4	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.Make: Anchor (Pantay)/SSK(Touch)	10	485	Rupees Four Hundred Eighty Five Only	Each	4850

5	Supplying and fixing recess mounting following size LED Panel suitable for surface application with the use of the latest technology 6/12/18 Watt (600/1200/1800 lumen) 6500K 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 with 5 year warranty.					
	Make:-Bajaj/Panasonic/Wipro.					
	LED 12 Watt Round (Dia: 175 mm Height: 30 mm)	2	782	Rupees Seven Hundred Eighty Two Only	Each	1564
	Cat No: LNR002R012SC					
6	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20Watt (2000 lumen) 6500K 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, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required with 5 year warranty. Make- Bajaj, Panasonic, Wipro					
	LED Tube Fixture 20Watt	4	975	Rupees Nine Hundred Seventy Five Only	Each	3900
i	Cat No: BCLAB 20W LED P					
7	Providing and fixing LED Bulk head of following rating with pressure die casting aluminium housing and it should be compatible with specification i.e. Power Factor ≥ 0.9 , Harmonic Distortion $\leq 20\%$ and efficacy ≥ 100 Lumens per watt, CRI rating > 70 suitable for input voltage: 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required with 5 year warranty. Make- Bajaj, Panasonic, Wipro					
	LED Bulk head 10Watt Cat No: BIBWP 10W LED	4	1322	Rupees One Thousand Three Hundred Twenty Two Only	Each	5288
8	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase, 230 volts complete as required. Make:- Anchor/SSK/GoldMedal	2	182	Rupees One Hundred Eighty Two Only	Each	364
9	Supplying and fixing LED retrofit lamp suitable for B-22 holder base fittings with polycarbonate diffuser and aluminium heat sink as required complete in all respects.					
	9 Watt LED, B-22	12	199	Rupees One Hundred Ninety Nine Only	Each	2388
	Makes:- C&S (Cat.No.LTHPLEDLAMP9W/ B22) /Panasonic/ Osram					

10	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:- Make:-Usha /Recold/Bajaj					
	25 Liter capacity water heater (Cat-A)	2	10250	Rupees Ten Thousand Two Hundred Fifty Only	Each	20500
11	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:-Make: Anchor, Legrand, Schneider.					
	Double door-12 way	2	2309	Rupees Two Thousand Three Hundred Nine Only	Each	4618
12	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of Single pole in the existing MCB DB complete with connections etc. as required:- Make: L&T, Legrand, Schneider.	16	265	Rupees Two Hundred Sixty Five Only	Each	4240
13	Supplying and fixing 63 Amps. 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:- Make: L&T, Legrand, Schneider.	2	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	7232
14	Supplying and fixing 63 Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required: Make: L&T, Legrand, Schneider.	2	616	Rupees Six Hundred Sixteen Only	Each	1232
	Total					127252

Draft Schedule of quantity checked and approved for Rs 127252 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Replacement of Old Heating Points, Light Plug, Tube Fixture into new one at Mountaineering Sub Centre Building Bharmour In Tehsil Bharmour Distt. Chamba (H.P)					ESTIMATED COST: Rs1,29,358/-only.	
					Job No 17	EARNEST MONEY: Rs.2600/-only TIME ALLOWED: Six Months
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRRF/SPVC insulated single core copper conductor cable of same size for earthing as required.Make KEI/Anchor/Plaza/SCI					
1	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	20	471	Rupees Four Hundred Seventy One Only	Per metre	9420
2	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make:KEI/Plaza/Anchor/SCI					
1	3x1.5 Sq. mm.	30	111	Rupees One Hundred Eleven Only	Per mtr.	3330
3	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required.Make: Anchor (Panta)/SSK(Touch)	11	290	Rupees Two Hundred Nirely Only	Each	3190
4	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 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required.Make: Anchor (Panta)/SSK(Touch)	8	485	Rupees Four Hundred Eighty Five Only	Each	3880

5	Supplying and fixing surface mounting following size LED solution suitable for surface application with the use of the latest technology 6/12/18 Watt (600/1200/1800 lumen) 6500K 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 with 5 year warranty.					
	Make:-Bajaj/Panasonic/Wipro					
1	LED 12 Watt Round	8	782	Rupees Seven Hundred Eighty Two Only	Each	6256
	Cat No: PPAM17127R1					
6	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20Watt (2000 lumen) 6500K 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, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required with 5 year warranty.					
	Make:-Bajaj/Panasonic/Wipro.					
1	LED Tube Fixture 20Watt	34	975	Rupees Nine Hundred Seventy Five Only	Each	33150
	Cat No: BCLAB 20W LED P					
7	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:- Make:- Anchor Goldmedal/SSK	1	187	Rupees One Hundred Eighty Seven Only	Each	187
8	Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220-240V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required: with 5 year warranty Make:- Jaquar/Philips/Bajaj					

1	Fancy Wall Bracket Cat. No. JNL-CHR-WL RB0480SE27	27	1645	Rupees One Thousand Six Hundred Forty Five Only	Each	44415
9	Providing and erection of LED 45 watt Street light luminaries powder coated pressure die-cast aluminium Make:- Jaquar/Panasonic/ Wipro/MDLED Street light with heat resistant toughened glass including connections, testing and commissioning etc; as required complete in all respects. with 5 year warranty Make:- Panasonic/ Wipro/Bajaj/					
1	LED Street Light, 45 Watt	3	4211.00	Rupees Four Thousand Two Hundred Eleven Only	each	12633
	Cat No: PSTM27458					
10	Supplying and fixing LED retrofit lamp suitable for B-22 holder base fittings with polycarbonate diffuser and aluminium heat sink as required complete in all respects.					
	9 Watt LED, B-22	12	199	Rupees One Hundred Ninety Nine Only	Each	2388
	Makes:- Tisya (CatNo.AL916611R 9W/ B22) /Panasonic / Osram.					
11	Providing and fixing Enclosure for MCCBs suitable for 3Pole & 4Pole MCCBs etc. as required complete in all respect. Make: L&T/Legrand/Schenider	1	1949.00	Rupees One Thousand Nine Hundred Forty Nine Only	Each	1949
12	Providing and fixing following rating and breaking capacity MCCB in the existing cubical panel board including drilling holes in the cubicle panel, making connections, etc. as required. Make:- L&T/Schneider/Legrand					
1	63 Amp. -10 KA	1	3003.00	Rupees Three Thousand Three Only	Each	3003

13	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of Single pole in the existing MCB DB complete with connections etc. as required:- Cat-A. (Make:-L&T/Legrand/Schneider)	5	265	Rupees Two Hundred Sixty Five Only	Each	1325
14	Supplying and fixing 63 Amps. rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- L&T/Legrand/Schneider)	1	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616
15	Supplying and fixing 63 Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- L&T/Legrand/Schneider)	1	616	Rupees Six Hundred Sixteen Only	Each	616
	Total					129358

*Draft schedule of quantity checked and agreed
for Rs. 129358 only*

[Signature]
Executive Engineer
Electrical Division
HPPWD Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK : C/O Rajeev Gandhi Govt. Engineering college Kangra at Nagrota Bagwan Distt. Kangra (H.P) (SH:- Providing Yard lighting in the campus of Administration Block therein).

Job No 18

ESTIMATED COST: Rs.3,18,045/-only.
EARNEST MONEY: Rs.6400/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES	UNIT	AMOUNT
				WORDS		
1	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed. Steel/PVC conduit as required.					
1.1	2 X 2.5 sqmm + 1x2.5 sq.mm. Make:- <u>SCJKEU</u> Plaza	30	395.00	Rupees Three Hundred Ninety Five Only	Per Meter	11850
2	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:-					
2.1	25mm dia Make:- <u>Anchor/BEC</u> Plast/Polyfit	75	113.00	Rupees One Hundred Thirteen Only	Per Meter	8475
3	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:-					
3.1	Single pole. Cat-A. Make :- <u>L&T/Schender</u> Legrand	10	265.00	Rupees Two Hundred Sixty Five Only	Each	2650
4	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	2	488.00	Rupees Four Hundred Eighty Eight Only	Each	976
4.1	40 Amps. Cat-A Make :- <u>L&T/Schender</u> Legrand					
5	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:-					
5.1	Double door-8 way Make :- <u>L&T/Schender</u> Legrand	1	1897.00	Rupees One Thousand Eight Hundred Ninety Seven Only	Each	1897
6	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground, to be laid 1 meter below the ground level including excavation and refilling the trench etc.as required, but excluding sand cushioning and protective covering:-					

6.1	Armoured cable 6 sq. mm (twin core) Make:- SC/KE/Plaza	128	372.00	Rupees Three Hundred Seventy Two Only	Per Meter	47616
6.2	Armoured cable 10 sq. mm (twin core) Make:- SC/KE/Plaza	63	417.00	Rupees Four Hundred Seventeen Only	Per Meter	26271
7	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size:-					
7.1	Armoured cable 10 sq. mm (twin core) Make:- SC/KE/Plaza	20	285.00	Rupees Two Hundred Eighty Five Only	Per Meter	5700
8	Supply and fixing PVC street light box SINTEX make of size 6" X 8" complete with fixing in the existing wall including making good the damage etc. as required complete in all respects	10	1400.00	Rupees One Thousand Four Hundred Only	Each	14000
9	Supplying and fixing of LED Post Top fixture, 25 watt, made of die cast aluminium housing with Power LED's are mounted directly on inbuilt Heat Sinks. A UV stabilized P.C. diffuser is provided for Glare Free Lighting with high visual comfort etc. as required complete in all respect. Make: Twinkle JK-lite/Bajaj	10	16782.00	Rupees Sixteen Thousand Seven Hundred Eighty Two Only	Each	167820
10	Supplying and fixing of GI Pipe 60mm dia of length 0.50 metre complete with flange, anchor bolts and GROUTING in the existing Cement Concrete pillar post for mounting of LED Post top fixture complete as required in all respects	10	700.00	Rupees Seven Hundred Only	Each	7000
11	Supplying and fixing of following sizes PVC-U rigid pipes 6 KG/CM along with the accessories in surface / recess including cutting the floor/wall and making good the same in case of recessed piping as required complete in all respect.					
11.1	75 mm dia.	61	390.00	Rupees Three Hundred Ninety Only	Per Meter	23790
	Total					318045

Self Schedule of quantity checked and approved for ₹ 3,18,045/- only

Executive Engineer
Electrical Division
HPPWD Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK : C/O Rajeev Gandhi Govt. Engineering college Kangra at Nagrota Bagwan Distt. Kangra (H.P) (SH):- Providing Yard lighting in the campus of Electrical and Library and Computer Science Block.

Job No 219

ESTIMATED COST: Rs.3,10,709/-only.
EARNEST MONEY: Rs.6300/-only
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make:- SCIKEL/Plaza					
1.1	2 X 2.5 sqmm + 1x2.5 sq.mm.	30	395.00	Rupees Three Hundred Ninety Five Only	Per Meter	11850
2	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:-					
2.1	25mm dia Make:- Anchor/BEC Plasupolyfit	75	113.00	Rupees One Hundred Thirteen Only	Per Meter	8475
3	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:-					
3.1	Single pole. Cat-A. Make :- L&T/Schender/Legrand	10	265.00	Rupees Two Hundred Sixty Five Only	Each	2650
4	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1	488.00	Rupees Four Hundred Eighty Eight Only	Each	488
4.1	40 Amps. Cat-A. Make :- L&T/Schender/Legrand					
5	Providing and laying of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade direct in ground, to be laid 1 meter below the ground level including excavation and refilling the trench etc.as required, but excluding sand cushioning and protective covering:-					
5.1	Armoured cable 6 sq. mm (twin core)Make:- SCIKEL/Plaza	159.2	372.00	Rupees Three Hundred Seventy Two Only	Per Meter	59222
5.2	Armoured cable 10 sq. mm (twin core)Make:- SCIKEL/Plaza	98	417.00	Rupees Four Hundred Seventeen Only	Per Meter	36696
6	Providing, laying and fixing of one No. aluminium conductor, PVC insulated and PVC sheathed, armoured/XLPE power cable, working voltage 1100 volts grade on surface etc. of the required size:-					

6.1	Armoured cable 10 sq. mm (twin core) Make:- SCIKEL/Plaza	8.8	285.00	Rupees Two Hundred Eighty Five Only	Per Meter	2508
7	Supply and fixing PVC street light box SINTEX make of size 6" X 8" complete with fixing in the existing wall including making good the damage etc. as required complete in all respects.	10	1400.00	Rupees One Thousand Four Hundred Only	Each	14000
8	Supplying and fixing of LED Post Top fixture, 25 watt, made of die cast aluminium housing with Power LED's are mounted directly on inbuilt Heat Sinks. A UV stabilized P.C. diffuser is provided for Glare Free Lighting with high visual comfort etc. as required complete in all respect. Make: Twinkle (K-lite/Bajaj)	10	16782.00	Rupees Sixteen Thousand Seven Hundred Eighty Two Only	Each	167820
9	Supplying and fixing of GI Pipe 60mm dia of length 0.50 metre. complete with flange, anchor bolts and Grouding in the existing Cement Concrete pillar post for mounting of LED Post top fixture complete as required in all respects.	10	700.00	Rupees Seven Hundred Only	Each	7000
	Total					310709

Self-Schedule of quantity checked and approved for ₹ 3,10,709 only

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O HSC Building at Boda (Ground Floor) in Tehsil Palampur Distt. Kangra HP(SH:- Providing E I therein)

Job No 20

ESTIMATED COST: Rs.2,16,662/-only.
EARNEST MONEY: Rs.4400/-only
TIME ALLOWED: Six months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	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.	34	1824	Rupees One Thousand Eight Hundred Twenty Four Only	Per point.	62016
	SCI/KEI/Plaza make					
2	supplying and fixing following type of Surface mounted luminaire , white power coated CRCA housing diffuser to avoid glare, it should be compatible with specification i.e. Power Factore> 0.9, Harmonic Distortion < 10% and efficacy> 100 lumens per watt, CRI rating >70 Suitable for input voltage AC 220-240 V , 50 Hz, Complete with all accessories , connections,testing and commissioning etc. as required with 5 Year warranty.					
	LED Batten light 20 W	11	761	Rupees Seven Hundred Sixty One Only	Each	8371
	Make Crompton Cat. no. CCS-100-20-65-HL2-DP-NWH/ Bja/ Wipro					
3	Providing and installation of LED fixture 15 W +/- 1 W LED Square Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 85 lm/W with and P. F \geq 0.95 with THD <20%, CCT 6000 K, CRI 80, The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V with 5 Year warranty.					

	LED Surface mounting round downlighter 20 watt	3	1904	Rupees One Thousand Nine Hundred Four Only	Each	5712
	Makes :-Wipro (Cat No :-LL20-281-xxx-AL-1/Philips/Bajaj)					
4	Providing, Installation, testing and commissioning of ceiling fan with 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. with Not Less than 3 rated star					
	Ceiling Fan 1200 mm sweep, Category-A	4	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	12764
	Makes :-Ceiling Fan 1200 mm sweep, Category-A usha Technix Plus 3 Star, Philips, Bajaj					
5	Providing and installation of IP65 LED Bulk Head 10 W +/- 1 W LED with system with efficacy 100 lm/W with Aluminium housing and P. F ≥ 0.95 with THD <10%, CCT 5700 K, CRI 70, Surge protection 4 Kv. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V .with 5 Year warranty.	6	1432	Rupees One Thousand Four Hundred Thirty Two Only	Each	8592
	Makes :-Wipro (Cat. No.:-LW07-141-XXX-57-G1) Philips/Bajaj					
6	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:- Make:- Usha/Bajaj/Philips					
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	4	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	9076
7	Supplying and fixing call bell/buzzer suitable for single phase, 230 volts, complete as required. Make:- GoldMedal/SSK/Anchor	1	187	Rupees One Hundred Eighty Seven Only	Each	187

8	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required. Make:- Anchor/L&T/Legrand	9	582	Rupees Five Hundred Eighty Two Only	Each.	5238
9	Supplying and fixing suitable size G I box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required. Make:- Anchor/L&T/Legrand	6	750	Rupees Seven Hundred Fifty Only	Each.	4500
10	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	50	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	23650
11	SCI/KEI/Plaza make Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	35	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	26425
12	SCI/KEI/Plaza make Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	60	395	Rupees Three Hundred Ninety Five Only	P/Mtr.	23700
	SCI/KEI/Plaza make					
13	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel PVC conduit as required SCI/KEI/Plaza make					
	3x2.5 sq mm	20	171	Rupees One Hundred Seventy One Only	P/Mtr.	3420

14	Providing and installation of LED fixture 36 W +/- 1 W LED Square Surface Mounted Downlighter Round Shape with minimum system lumen efficacy of 85 lm/W with and P.F. ≥ 0.95 with THD <20%, CCT 6000 K, CRI 80, The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V with 5 Year warranty.					
	LED Surface mounting round downlighter 36 watt (2x2)	1	4228	Rupees Four Thousand Two Hundred Twenty Eight Only	Each	4228
	Makes :- Wipro (Cat No :-CRCO10S038HP57G1L1/Philips/Bajaj					
15	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, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required.-(But without MCB/RCCB/isolator) L&T/Legrand/Schneider make					
	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
16	Supplying and fixing of 6 amps. to 32 amps. rating, 240/415 volts, 10 kA 'C' curves, miniature circuit breaker suitable for inductive load of following poles in the existing miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required. - L&T/Legrand/Schneider make					
	6 Amp Single pole. Cat-A.	4	265	Rupees Two Hundred Sixty Five Only	Each	1060
	16 Amp Single pole. Cat-A.	6	265	Rupees Two Hundred Sixty Five Only	Each	1590
17	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. L&T/Legrand/Schneider make					

	63 Amps. Cat-A.		1	616	Rupees Six Hundred Sixteen Only	Each	616
18	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required. L&T/Legrand/Schneider make						
	63 Amps. Cat-A.		1	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616
19	Earthing with G.I earth plate 600mmx600mmx3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. etc. (with charcoal or coke and salt) complete as required.		1	8592	Rupees Eight Thousand Five Hundred Ninety Two Only	Per set	8592
20	Providing and laying earthing connection from earth electrode with 4.00mm dia G.I. wire in 15mm dia G.I pipe from earth electrode including connection with copper thimble excavation and re-filling as required		25	40	Rupees Forty Only	Per Mtr	1000
	Total						216662

02018 Schedule of Quantity and Estimated Price for 216662/18

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Construction of Government Veterinary Hospital Building at Bhahei Tehsil Salooni Distt. Chamba H.P Sub-Head:- Providing E.I therein.						
ESTIMATED COST: Rs 4,85,487/-only. EARNEST MONEY: Rs.9800/-only TIME ALLOWED: Six Months						
SR. NO.	DESCRIPTION	QTY.	Job No 21		UNIT	AMOUNT
			FIGURES	RATES WORDS		
1	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 medium class PVC conduit and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. (But without modular switch, modular plate and G.I. box)					
1.1	Group C	71	1823	Rupees One Thousand Eight Hundred Twenty Three Only	Point	129433
	Make : KEI/Plaza/Anchor/SCI					
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.					
2.1	2 X 2.5 sq. mm	88	395	Rupees Three Hundred Ninety Five Only	P/Mtr	34760
2.2	2x4.0 Sq. mm.	112.452	471	Rupees Four Hundred Seventy One Only	P/Mtr	52965
2.3	2x10 Sq. mm.	8	793	Rupees Seven Hundred Ninety Three Only	P/Mtr	6344
2.4	4x4.0 Sq. mm.	40	771	Rupees Seven Hundred Seventy One Only	P/Mtr	30840

2.5	4x10 Sq. mm.	2	1373	Rupees One Thousand Three Hundred Seventy Three Only	P/Mtr	2746
	Make : KEU/Plaza/BEC/SCI					
3	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
3.1	3x1.5 Sq. mm.	40	111	Rupees One Hundred Eleven Only	P/Mtr	4440
	Make : KEU/Plaza/Anchor/SCI					
4	Supplying and fixing suitable size, GI box with modular plate base & cover plate for modular switches in recess etc as required.					
4.1	2 module - Modular GI box with Modular base & cover plate	1	276	Rupees Two Hundred Seventy Six Only	Each	276
4.2	3 module - Modular GI box with Modular base & cover plate	2	582	Rupees Five Hundred Eighty Two Only	Each	1164
4.3	6 module - Modular GI box with Modular base & cover plate	13	750	Rupees Seven Hundred Fifty Only	Each	9750
	Makes:Anchor (Roma Plus)/ Legrand,Schlender,L&T					
5	Supplying and fixing suitable size G.I box with modular plate and cover in front on surface or in recess, including providing and fixing 3 Nos. 3 pin 5/6 Amps modular Socket outlet and 3 Nos. 5/6 Amps modular switches, connection etc. as required. For light plugs to be used in non residential building).					
5.1	Modular G.I box for 12 module	1	1366	Rupees One Thousand Three Hundred Sixty Six Only	Each	1366
	Makes:Anchor (Roma Plus)/ Legrand,Schlender,L&T					

6	Supplying and Fixing of following size of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
6.1	PVC conduit 25mm.	10	113	Rupees One Hundred Thirteen Only	P/Mtr	1130
	Makes:- BEC Plas/Anchor/PolyFit					
7	Supplying and drawing Lan Cable Cat 6 solid copper conductor protected with PVC sheath in the existing surface/recessed, steel/PVC conduit as required.					
7.1	1 Pair.	10	70	Rupees Seventy Only	Each	700
	Makes:- Molex/Belden/Syslimax/Corning/DLINK					
8	Supplying and fixing RJ 45 jack with cat 6 in the existing switch box/cover plate including connections etc. as required.					
8.1	RJ 45 Comp. socket Cat-6.	1	49	Rupees Forty Nine Only	Each	49
	Makes:- DLINK/Tyco/Any Standard make.					
9	Supplying and fixing callbell/buzzer suitable for single phase, 230 volt	1	117	Rupees One Hundred Seventeen Only	Each	117
	Makes:- Anchor.					
10	Providing and erection of LED 45 Watt street light luminaires, powder coated pressure die-cast aluminium SMD LED street light with heat resistant toughened glass including glass including connections, testing and commissioning etc. as required. with 5 year warranty. Make Bajaj/Panasonic/Mipro					
10.1	Street Light LED-45 watt.	2	2424	Rupees Two Thousand Four Hundred Twenty Four Only	Each	4848

11	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 20Watt (2000 lumen) 6500K 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, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty. Make Bajaj/Panasonic/Wipro					
11.1	LED Tube Fixture 20Watt	19	975	Rupees Nine Hundred Seventy Five Only	Each	18525
12	Providing and fixing of LED fixture 600mmx600mm36watt+/-1W surface mounted fixture with HET plastic diffuser with minimum system lumen efficacy of 100lm/W with CRCA housing having P.F. >0.95 with THD $<10\%$, CRI 80. The LED with Useful life of 50000 Hrs at L70 with five years warranty. The LEDs used in the luminaire shall have CCT of 2700 K with CRI of minimum 80. The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects. with 5 year warranty. (Make philips/Bajaj/Wipro.					
12.1	LED Panel 2'x2' 36 watt	5	4834	Rupees Four Thousand Eight Hundred Thirty Four Only	Each	24170
13	Providing and fixing surface/recess mounting Square/Round LED downlighter suitable for surface application with the use of the latest technology 18/20 watt (1800 Lumen) 6000K a ES should be compatible with specification i.e. Power Factor >0.9 , Harmonic Distortion efficacy 100 Lumens per watt, CRI rating 80 suitable for input voltage: AC 220-240 OH, complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty. Makes : Panasonic (Cat No PDL M11206BS)/Philips/ Bajaj/wipro.					

13.1	Square/round LED Panel Light 18 W surface.	6	1562	Rupees One Thousand Five Hundred Sixty Two Only	Each	9372
14	Providing and fixing of 1200mmX300 mm LED fixture 36 W+/-1W surface mounted fixture with HET plastic diffuser with CRCA Powder coated housing having minimum system lumen efficacy 100lm/W with P.F>0.95 with THD<10%. The LED Useful life of 50000 Hrs at L70 with five years warranty. The LEDs used in the luminaire shall have CCT of 5700 K with CRI of minimum 80. The Input voltage range shall be 150V to 270V, 50/60 Hz complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects with 5 year warranty.					
14.1	LED panel Light 4'x1 36 Watt Surface.	2	6191	Rupees Six Thousand One Hundred Ninety One Only	Each	12382
	Makes : Philips/wipro/Bajaj					
15	Providing and fixing of IP65 system Bulkhead led fixture 10 W +/-1 W Wall Mounted with minimum lumen efficacy of 100 lm/W with Pressure Die Cast Aluminum housing, Polycarbonate Opal Diffuser and P.F.>0.95 with THD<10%, CRI 80. The LED shall be tested with LM80-08 standard with Useful life of 50000 Hrs at L70 with five years warranty. The LEDs used in the luminaire shall have CCT of ANSI Bin 5700 K only with CRI of minimum 80. The Input voltage range shall be 140V to 280V, 50/60 Hz complete with all accessories, including connections, testing and commissioning etc. as required complete in all respects with 5 year warranty.					
15.1	LED Bulk Head Light 10W	12	1432	Rupees One Thousand Four Hundred Thirty Two Only	Each	17184
	Makes : Philips/wipro/Bajaj					

16	Providing and fixing LED Mirror Light of 1P20 Feet Led fixture 10 W+/- 1W with Surface Mounted 2 with Polycarbonate diffuser with Extruded aluminium housing having minimum system lumen output 1000 lumens and system lumen efficacy of 100 lm/W with P.F.>0.95 with THD 20% .CRI 80 . The LED with Useful life of 50000 Hrs at L70 with five years warranty. The LEDs used in the luminaire shall have CCT of ANSI Bin 6500 K with CRI of minimum 80.The Input voltage range shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc.as required complete in all respects.with 5 year warranty.					
16.1	LED Mirror Light 10W.	2	665	Rupees Six Hundred Sixty Five Only	Each	1330
	Makes : Philips/wipro/Bajaj					
17	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. Make:- Usha/Bajaj/Havells					
17.1	Ceiling Fan 1200 mm sweep with not less than 3 rated star	9	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	28719
17.2	Ceiling Fan 1400 mm sweep	3	3252	Rupees Three Thousand Two Hundred Fifty Two Only	Each	9756
18	Providing and installation 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: of Approved Make:- Usha/Bajaj/Havells					

18.1	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	10	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	22690
	Make:- Usha.					
19	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, making good the damages. electrical connections. testing etc. complete as Item No 44 required:-					
19.1	25 Liter capacity water heater (Cat-A)	1	10250	Rupees Ten Thousand Two Hundred Fifty Only	Each	10250
	Make:- Usha/ Racold/Crompton					
20	Supplying&fixing suitable size GI box with modular plate and cover in front nsurface or in recessie providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, 'C' curveincluding connection, painting etc. as required. Modular GI box for 3 module	1	775	Rupees Seven Hundred Seventy Five Only	Each	775
	Make:- Anchor/L&T/Legrand					
21	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, interconnections, powder painted, including earthing etc. as required:-(But without MCB/RCCB/Isolator). Makes: Legrand,Schneider,L&T					
21.1	Double door-4 way	2	1572	Rupees One Thousand Five Hundred Seventy Two Only	Each	3144
21.2	Double door-12 way	2	2309	Rupees Two Thousand Three Hundred Nine Only	Each	4618
	Makes: Legrand,Schneider,L&T					

22	Supplying and erection of 6 amps. to 32 amps. rating, 240/415 volts, 10 KA, 'C' curves, miniature circuit breaker suitable for inductive load: of following poles in the miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections testing and commissioning etc. as required:-						
22.1	Single pole.	24	265	Rupees Two Hundred Sixty Five Only	Each	6360	
23	Makes: Legrand, Schiender, L&T						
23	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
23.1	63 Amps.	2	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	7232	
	Makes: Legrand, Schiender, L&T						
24	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
24.1	63 Amps.	2	616	Rupees Six Hundred Sixteen Only	Each	1232	
	Makes: Legrand, Schiender, L&T						
25	Providing and fixing TP&N switch disconnecter fuse panel mounting, 415/500 volts with 3 No. HBC/HRC fuses, open execution, including drilling holes in the cubical making connection etc. as required.						
25.1	TP&N -63 Amps	1	3505	Rupees Three Thousand Five Hundred Five Only	Each	3505	
	Makes: Legrand, Schiender, L&T						

26	Supplying and fixing TP&N Copper Bus-Bar chamber suitable for 415 volts capacity with 4 No. copper strip bus-bar each of length and x-section suitable for following current carrying capacities, enclosure made of sheet steel, dust protected, duly powder painted with detachable gland plate and other accessories including drilling holes on the board.					
26.1	63-Amps Copper Bus-Bar Chambers 15.	1	3769	Rupees Three Thousand Seven Hundred Sixty Nine Only	Each	3769
	Make:-Bharal					
27	Earthing with G.I earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/coke and salt as required.	2	8830	Rupees Eight Thousand Eight Hundred Thirty Only	Each	17660
28	Supplying and laying 6 SWG G.I wire at 0.50 mtr. Below ground level for earth electrode conductor, including soldering etc. as required.	46	41	Rupees Forty One Only	P/Mtr	1886
	Total					485487

By *Supr. Schedules & quantities checked and approved* - J.R. 485487/mj

Executive Engineer
Electrical Division
HPPWD, Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- Providing Earthing for Stage, Sound system, Gen. set etc. in Chowgan No-1 at Chamba in Tehsil & Distt. Chamba.(HP).			ESTIMATED COST: Rs.1,76,773/-only.			
			EARNEST MONEY: Rs.3600/-only			
			TIME ALLOWED: Six Months			
			Job No. 15 ²²			
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/coke and salt as required.	7	18749	Rupees Eighteen Thousand Seven Hundred Forty Nine Only	P/Set	131243
2	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I pipe from earth electrode connection with copper thimble excavation and re-filling as required.	145	314	Rupees Three Hundred Fourteen Only	P/ml	45530
Total						176773

Beall Schedule of Quantity checked and approved for 176733/-

Executive Engineer
 Electrical Division
 HPPWD Palampur

DRAFT SCHEDULE OF QUANTITY

NAME OF WORK :- Repair & Maintenance of HVAC System Installed in Super Specialty Block Dr. RPGMC Kangra at Tanda.		Job No. 10		ESTIMATED COST : Rs.4,98,500/-only. EARNEST MONEY: Rs.10,000/- only TIME ALLOWED: One Year		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair and Maintenance of HVAC system of Carrier Make with following equipmenting maintenance. servicing of AHU's of different capacity, chillers 250 T.R. capacity, hot water generators, humidifiers, all water pumps, cooling towers, compressors as and when required, descaling of condensers etc. and and interlocking with control valves, dechoking of water pipes etc. and, power control, fuses, contactors relay, timers, transducers, HP switches, flow switches, oil rings, rubber coupling, main coupling, mechanical switch, bearings, all types of motor rewinding etc. and maintenance of console panel, AC main supply panel, selector switches, Ampere Meter, Voltmeter including its wiring, minor spare parts and AHU's Belt replacement with alignment of motors etc. as required complete in all respects so as to keep the system functional round the clock with 04 Nos. comprehensive quarterly services in one year and also emergency break down call attending services to the best satisfaction of Engineer-in-charge.	1	498500	Rupees Four Lacs Ninety Eight Thousand Five Hundred Only	Per Job	498500
The detail of HVAC system:						
1.1	Carrier make Chillers of 250 T.R. capacity					
1.2	Cooling Tower					
1.3	Hot Water Generator 200KW					
1.4	Hot Water Generator 75KW					
1.5	Condenser Pump And Motor 25 HP					
1.6	Primary Pump And Motor 10 HP					
1.7	Secondary Pump And Motor 20 HP					
1.8	Pumps & Motor Hot Water Generator					
1.9	AHU, CSU And FCU					
2	Electrical Panel Of Chiller Plant					
Total						498500

Draft Schedule of Quantity checked and approved by 498500/-

Executive Engineer
Electrical Division
HPPWD Palampur