

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No.: PW/EDP/CB/TA/CONT/2023-24/- 8206-14

Dated: 9/2/24

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 **26-02-2024** 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 **23-02-2024** up to 4.00 P.M. and the application for issue of tender form shall be received on **22-02-2024** 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 Health Sub-Center building at Saleti in Tehsil Rakkar, District Kangra (H.P)(SH:- Providing E.I. therein).	258965/-	5200/-	One Year	8	350/-
2	C/O Additional Accommodation for Govt. Sr. Sec. School at Kherian Distt. Kangra (HP)(SH :- Construction of 3 rooms in Ground Floor and 3 Rooms in First Floor with Verandah)(SH:- Providing E.I. therein).	497421/-	10000/-	One Year	8	350/-
3	Providing three Phase wiring in CTVS, Neurosurgery OT area and power wiring, computer wiring in Radiotherapy & Oncology department and entrance area of Super Specialty Block at Dr. RPGMC Tanda.	247187/-	5000/-	Three Months	8	350/-
4	R/M of ductable split Air Conditioning system of central library Dr. RPGMC Kangra at Tanda.(H.P)(SH:- Replacement of damaged compressors, Condenser, PCB, Outdoor Fan Moor, insulation and refilling of gas R22etc. therein).	496800/-	10000/-	One Month	8	350/-
5	C/O Health Sub-Centre at Kulthi in Tehsil and Distt. Kangra (H.P)(SH:- Providing E.I. therein).	116684/-	2400/-	One Year	8	350/-
6	C/O 4 Nos. class room in Govt. High School at Hatwas in Tehsil Baroh Distt. Kangra (H.P)(SH:- Providing E.I. therein).	258821/-	5200/-	Six Months	8	350/-
7	Repair, Servicing & Comprehensive Maintenance of different types air-conditioning units installed in the Ward Block -	372900/-	7500/-	One Year	8	350/-

	3B and Faculty Block 1st floor & 2nd floor of 500 Bedded Hospital Dr. RPGMC Kangra at Tanda for the year 2023-24					
8	Providing and fixing of 1.8 TR Split AC in set No 301 Old Circuit House Dharamshala Distt Kangra (H P)	109104/-	2200/-	Three Months	8	350/-
9	R/M of E.I. in various Govt. N/R building in Distt. Kangra under ESD Dharamshala (SH - Annual repair and Maintenance of A.C. 1.5 Ton/2 Ton capacity Split type under ESD Dharamshala for the year One Year 01-12-2023 to 30-11-2024.	105800/-	2200/-	One Year	8	350/-
10	C/O Wool Collection Centre in Tehsil Bharmour, Distt. Chamba (HP)(SH - Providing E.I. therein).	157786/-	3200/-	One Year	8	350/-
11	C/O Three No. Class Room Govt. High School Building at Sanh in Tehsil Bharmour and Distt. Chamba (H P) Under RMSA (SH - Providing E.I. in 3 No. Classroom, Verandah i.e. Stair case)	108988/-	2200/-	One Year	8	350/-
12	C/O Additional Block of Civil Hospital Building at Palampur Distt. Kangra (H P) (SH - Providing E.I. in 2 Nos. Lifts)	168307/-	3400/-	One Month	8	350
13	C/O Two Rooms in Govt. Sr. Sec. School (First Floor) at Saliana in Tehsil Palampur Distt. Kangra (H P)(SH - Providing E.I. therein)	136467/-	2800/-	Six Months	8	350/-
14	C/O Ayurvedic Health Sub-Center at Malli in Tehsil Palampur Distt. Kangra (H P)(SH - Providing E.I. therein).	144217/-	2900/-	Six Months	8	350
15	Repair and Maintenance of Split type air-conditioning units installed in Dept of Pulmonary Medicine Dr. RPGMC Kangra at Tanda (SH - Reinstallation and repair of split type air-conditioning units thereof)	167585/-	3400/-	Three Months	8	350/-
16	Repair & Maintenance of E.I. to various Govt. Non-Residential Buildings in Dr. RPGMC Kangra at Tanda (SH - Providing Special Repair of Air -Circuit Breakers of 3200A/2000A capacity in 500 Bedded Hospital Dr. RPGMC Kangra at Tanda)	499448/-	10000/-	Six Months	8	350
17	Providing Electrical wiring for cassette type Air Conditioning system in demonstration hall, Lecture Hall, Dissection hall in Ground floor and Research lab, Seminar Hall, Histology Lab in First floor of Anatomy block at Dr. RPGMC Kangra at Tanda Distt. Kangra	429914/-	8600/-	Three Months	8	350/-
18	C/O New 120 Nos. Girls MBBS Hostel building at Dr. RPGMC Tanda in Distt. Kangra (H P) (SH - Providing Fire Extinguishers therein)	350404/-	7100/-	Three Months	8	350/-

19	R/M of EI to various Govt. Non Residential building in Distt. Kangra under Electrical Sub-Division HP PWD Palampur Distt. Kangra (H P)	243820/-	4900/-	One Year	8	350/-
20	C/O Veterinary dispensary at Sullah in Tehsil Palampur Distt. Kangra (HP) (SH: Providing E.I. therein).	361615/-	7300/-	Six Months	8	350/-
21	C/O Veterinary Pharmacist Residence at Noura Tehsil Palampur Distt. Kangra (HP) (SH: Providing E.I. therein).	62338/-	1300/-	Six Months	8	350/-
22	Repair, Servicing & Comprehensive Maintenance of different types air-conditioning units installed in the Data Centre Library, Sub – Distribution in Administration block, Green rooms in Auditorium building & Old Lecture Hall-I & II near Guest House Dr. RPGMC Kangra at Tanda for the year 2023-24.	94500/-	1900/-	One Year	8	350/-
23	Repair and Maintenance of EI to various Govt. Residential Buildings under ESD Dharamshala Distt. Kangra (H.P)(SH.- Replacement of old and damaged LED Tube Fixtures, Exhaust fans, Geysers in The residences of SE Mechanical, AE Mechanical, Accountant B&R and AE Design of Chief office at Dharamshala.	76799/-	1600/-	Three Months	8	350/-
24	Providing of geysers in 02 Nos. Newly built sets of HP PWD Guest House above HPPWD (B&R) Sub Division Tanda in Distt. Kangra (H P).	20596/-	500/-	One Month	8	350/-
25	Repair & Maintenance of 01 No 62.5 KVA D.G. Set installed at Civil Hospital Chowari for one Year W.e.f. 2024-25 in Tehsil Bhattiyat District Chamba.	86553/-	1800/-	One Year	8	350/-
26	Repair & Maintenance of 01 No 125 KVA D G Set installed at PSA Plant Civil Hospital Chowari for one Year W e f. 2024-25 in Tehsil Bhattiyat District Chamba (H.P).	95551/-	2000/-	One Year	8	350/-

HIM SUCHNA AVAM JAN SAMPARK VIBHAG

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Health Sub-Centre building at Saleti in Tehsil Rakkar, District Kangra(H.P.)(S.H:-Providing E.I. there in).

Job No)

ESTIMATED COST: Rs.2,58,965/-only.
EARNEST MONEY: Rs.5200/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
i	Group A	15	1115	Rupees One Thousand One Hundred Fifteen Only	P/Pt	16725
ii	Group C. Makes:- Legrand(Myrius),Schieder(Livia),Anchor Roma(Plus),L&T(Entice)/SCI	22	1824	Rupees One Thousand Eight Hundred Twenty Four Only	P/Pt	40128
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, with 2 Way 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.					
i	Group A. Makes:- Legrand(Myrius),Schieder(Livia),Anchor Roma(Plus),L&T(Entice)/SCI	1	1894	Rupees One Thousand Eight Hundred Ninety Four Only	P/Pt	1894
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					
i	2X1.5Sq.mm+1X1.5Sq.mm Earth wire					

	Makes: Plaza/KEI/SCI	28	335	Rupees Three Hundred Thirty Five Only	P/Mtr	9380
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.					
i	2X2.5Sq.mm+1X2.5Sq.mm Earth wire					
	Makes: Plaza/KEI/SCI	52	395	Rupees Three Hundred Ninety Five Only	P/Mtr	20540
5	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.					
i	Makes: Plaza/KEI/SCI	50	471	Rupees Four Hundred Seventy One Only	P/Mtr	23550
6	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					
i	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	5	793	Rupees Seven Hundred Ninety Three Only	P/Mtr	3965
ii	Makes: Plaza/KEI/SCI					
7	Wiring for light/ power plug with 4X4 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.					
i	Makes: Plaza/KEI/SCI	35	771	Rupees Seven Hundred Seventy One Only	P/Mtr	26985
8	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					

i	3X1.5 Sq.mm	12	111	Rupees One Hundred Eleven Only	P/Mtr	1332
ii	3X2.5Sq.mm	16	171	Rupees One Hundred Seventy One Only	P/Mtr	2736
iii	3X4Sq.mm	25	253	Rupees Two Hundred Fifty Three Only	P/Mtr	6325
iv	Makes: Plaza/KEI/SCI					
v	Makes:- Legrand(Myrius),L&T(Oris),Anchor Roma(Plus),L&T(Entice).					
9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.					
i	Makes: Legrand(Myrius),Schneider(Livia),Anchor Roma(Plus)	15	582	Rupees Five Hundred Eighty Two Only	Each	8730
10	Supplying and fixing suitable size GI box with modular plate and cover in FRLSont on surface or in recess, including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.					
i	Makes: Legrand(Myrius),Schneider(Livia),Anchor Roma(Plus)	9	750	Rupees Seven Hundred Fifty Only	Each	6750
11	Supplying and fixing Ding dong bell suitable for single phase, 230 volts, complete as required.	2	187	Rupees One Hundred Eighty Seven Only	Each	374
	Makes: Anchor/Goldmedal.					
12	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					
i	Single pole. Cat-A.	16	265	Rupees Two Hundred Sixty Five Only	Each	4240
	Makes: Legrand,Schneider,L&T					

13	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
i	63 Amps. Cat-A.	1	616	Rupees Six Hundred Sixteen Only	Each	616
	Makes:- Legrand,Schiender,L&T					
14	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.					
i	40 Amps. Cat-A.	1	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	2715
ii	63 Amps. Cat-A.	1	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616
	Makes: Legrand,Schiender,L&T					
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, 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.(But without MCB/RCCB/Isolator).					
i	Makes: Legrand,Schiender,L&T					
ii	Double door-12 way	2	2309	Rupees Two Thousand Three Hundred Nine Only	Each	4618

16	Earthing with G.I. earth pipe 4.5 Mtr. 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.	2	5819	Rupees Five Thousand Eight Hundred Nineteen Only	P/Set	11638
17	Providing and fixing 6SWG G.I. wire at 0.50 mtr. Below ground level for earth electrode conductor including soldering etc. as required.	50	41	Rupees Forty One Only	P/Mtr	2050
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:					
i	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	5	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	11345
ii	Make:Usha(AEROCLEAN PLUS DBB),Bajaj,Crompton					
19	Supplying and fixing of LED Baton/LED Mirror Light 10Watts, 6500K, (Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as required of Approved Makes. (Including 5Years Warranty).					
i	LED Mirror Light 10Watts	1	482	Rupees Four Hundred Eighty Two Only	Each	482
ii	Makes:-Havells,Wipro,Bajaj.					
20	Providing, Installation, testing and commissioning of ceiling fan without regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, copper cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:					
i	Ceiling Fan 1200 mm sweep, Category-A	5	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	15955

ii	Ceiling Fan 1400 mm sweep, Category-A	1	3252	Rupees Three Thousand Two Hundred Fifty Two Only	Each	3252
iii	Make:- Usha(Technix Plus),Bajaj,Crompton with not less than 3 rated star					
21	Supplying and fixing of LED Batten along with 20Watt LED Tube Light ,6500K ,(Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion<10% and efficacy >100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc.Makes: Havells ,Bajaj ,wipro or its equivalent as approved by Engineer-in-Charge (Including 5Years Warranty).					
i	LED Tube Light 4Feet Long					
ii	Makes: Havells,Bajaj,wipro	10	875	Rupees Eight Hundred Seventy Five Only	Each	8750
22	Providing and fixing surface/Recess mounted Round/Square downlighter with die cast Al housing in white powder coated finish, anti glare diffuser and energy efficient electronic driver, suitable for surface application with the use of the latest technology 18watt (1800 Lumen) 6000K and it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion <10% and efficacy > 100 Lumens per watt, CRI rating> 80 suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required. (Including 5Years Warranty).					
i	Round/Square LED Surface/Recess Panel Light 18/20 Watts	5	1562	Rupees One Thousand Five Hundred Sixty Two Only	Each	7810
ii	Makes:-Bajaj ,Havells,wipro,Panasonic					

23	Supplying and fixing of bulk head fitting LED 10 watt+/-1W with minimum system Lumen efficiency of 100lm/W with and P.F. 0.95 with THD, 10%, CCT 5700K, CRI 70, Surge protection 4KV. The LED with useful life of 50000 Hrs. at L70. The input voltage range shall be 150V to 270V complete with all accessories, connections, testing and commissioning etc. as required. (Including 5 Years Warranty).					
i	LED 10 Watt Bulk Head	6	1407	Rupees One Thousand Four Hundred Seven Only	Each	8442
	Makes: Bajaj, Havells, wipro					
24	Supplying and fixing of fancy wall bracket suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, lamp holder, but excluding lamp including making connections, testing etc. as required of Approved Make. (Including 5 Years Warranty).					
i	Fancy Wall Light Fixture	2	1645	Rupees One Thousand Six Hundred Forty Five Only	Each	3290
	Makes: Bajaj, Decon, wipro, Havells					
25	Supplying and fixing PVC batten/angle holder including connection etc. as required.	1	94	Rupees Ninety Four Only	Each	94
i	Makes: Anchor, SSK					
26	Supplying and fixing LED bulb on the existing light point as required complete in all respects.	1	150	Rupees One Hundred Fifty Only	Each	150
i	Makes: Bajaj, Havells, Anchor					
	Total					258965

Draft schedule of quantities checked and approved
for 258965/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O additional accomodation for Govt. Sr. Sec. School at Kherian Distt. Kangra (HP)(SH:-Construction of 3 rooms in Ground Floor and 3 Rooms in First floor with Verandah) (SH: Providing E.I there in).			job No 2		ESTIMATED COST: Rs.4,97,421/-only. EARNEST MONEY: Rs.10,000/-only TIME ALLOWED: One Year	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
i	Group C. Makes:- Legrand(Myrius),Schiender(Livia),Anchor Roma(Plus).	91	1858	Rupees One Thousand Eight Hundred Fifty Eight Only	P/Pt	169078
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 steel conduit as required					
i	2X1.5Sq.mm+1X1.5Sq.mm Earth wire					
	Makes: Plaza/KEI/L&T	70	340	Rupees Three Hundred Forty Only	P/Mtr	23800
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.					
i	2X2.5Sq.mm+1X2.5Sq.mm Earth wire					
	Makes: Plaza/KEI/L&T	80	401	Rupees Four Hundred One Only	P/Mtr	32080
4	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
i	3X1.5Sq.mm	20	112	Rupees One Hundred Twelve Only	P/Mtr	2240

ii	3X2.5Sq.mm	40	172	Rupees One Hundred Seventy Two Only	P/Mtr	6880
	Makes: Plaza/KEI/L&T					
5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc as required.					
i	Makes: Legrand(Myrius),Schneider(Livia),Anchor Roma(Plus)	6	591	Rupees Five Hundred Ninety One Only	Each	3546
6	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.:					
i	Single pole. Cat-A.	16	268	Rupees Two Hundred Sixty Eight Only	Each	4288
	Makes: Legrand,Schneider,L&T.					
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	491	Rupees Four Hundred Ninety One Only	Each	982
	Makes:- Legrand,Schneider,L&T					
8	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.					
i	40 Amps. Cat-A.	2	2719	Rupees Two Thousand Seven Hundred Nineteen Only	Each	5438
	Makes: Legrand,Schneider,L&T					

9	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.(But without MCB/RCCB/isolator).					
i	Double door-12 way	2	2326	Rupees Two Thousand Three Hundred Twenty Six Only	Each	4652
	Makes: Legrand,Schiender,L&T					
10	Supply,Erection,Installation and commissioning of Uniearth maintenance free chemical earthing system consisting of environment friendly ground enhancing compound 'G.E.C' 50kg or as required at site having anticorrosive and hygroscopic properties to replace excavated soil. It should consist of Uniearth copper bonded electrodes, as per site conditions and soil resistivity at various depth levels and different terrains. The electrodes should have coating of 250 microns of molecularly bonded pure electrolytic copper(99.9%) in 2 meter length,17.2 mm diameter,terminal joint 200X25X6mm GI Strip with exothermic welds. The electrode should be duly tested and certified by CPRl for 30kA short time current test for 1 sec rms.	1	23475	Rupees Twenty Three Thousand Four Hundred Seventy Five Only	P/Set	23475
11	Supplying and laying 6SWG GI wire at 0.50Mtr below the ground level for conductor earth electrode, including connection/termination with GI thimble etc as required.	25	46	Rupees Forty Six Only	P/Mtr	1150
12	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 or its equivalent as approved by Eri-in-charge.(Makes:- KEI/Plaza/Polycab)					
i	Armoured cable 10 sq. mm (Twin core)	25	286	Rupees Two Hundred Eighty Six Only	P/Mtr	7150

13	Providing, Installation, testing and commissioning of BLDC ceiling fan including 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.					
i	Ceiling Fan 1200 mm sweep, Category-A	36	4386	Rupees Four Thousand Three Hundred Eighty Six Only	Each	157896
	Make:- Usha(BLDC),Bajaj,Crompton					
14	Supplying and fixing of LED Tube Light 20watts ,5700K ,(Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion < 10%, and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as required.					
i	LED Tube Light 4Feet Long					
	Makes:- Havells (Model:- STREAKNEOT8UPTO1X22WSSBSWH)/Panasonic/ ,wipro	43	877	Rupees Eight Hundred Seventy Seven Only	Each	37711
15	Providing and installation of following type of surface mounting square/round type LED panel Light with aluminium die cast housing in white finish with anti glare polycarbonate diffuser and separated energy efficient constant current, nonintegral, electronic driver, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing etc. as required.					
i	LED Round Panel Light 18Watts	10	1564	Rupees One Thousand Five Hundred Sixty Four Only	Each	15640
ii	Makes: Panasonic,wipro,Bajaj					

16	Supplying and fixing of bulk head fitting LED 10 watt ,6500k ,(Five YEAR WARRANTY) and it should be compatible with specification e.i. Power Factor > .9, Harmonic Distortion < 10% and efficacy > 100 Lumens per watt, suitable for input voltage: AC 220-240 V, 50/60Hz, complete with all accessories, connections, testing and commissioning etc as required.					
i	LED 10 Watt Bulk Head					
	Makes: Bajaj (Cat no. BIBWP 10W)/Panasonic/ ,wipro	1	1415	Rupees One Thousand Four Hundred Fifteen Only	Each	1415
	Total					497421

Def + schedule of quantity checked and approved jsh 497421/E

th.
Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Providing three phase wiring in CTVS, Neurosurgery OT area and power wiring, computer wiring in Radiotherapy & Oncology department and entrance area of Super Specialty Block at Dr. RPGMC Tanda.							ESTIMATED COST: Rs.2,47,187/-only.	
							EARNEST MONEY: Rs.5000/-only	
							TIME ALLOWED: Three 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, 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	5	1345	Rupees One Thousand Three Hundred Forty Five Only	Per Point	6725		
	Makes:- (KEI/Anchor/Plaza, L&T(Entice)/Legrand(Myritus)/Schneider(Livia)							
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.	148	217	Rupees Two Hundred Seventeen Only	Per Meter	32116		
2.2	2x4 Sq. mm.	170	353	Rupees Three Hundred Fifty Three Only	Per Meter	60010		
2.3	2x10sq.mm +1x6sq.mm earth wire	40	678	Rupees Six Hundred Seventy Eight Only	Meter	27120		
2.4	4x4.0 Sq. mm.	90	612	Rupees Six Hundred Twelve Only	Per Meter	55080		
Make:- KEI/Anchor/Plaza								

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	5/10 Amps. Modular switch	15	133	Rupees One Hundred Thirty Three Only	Each	1995
3.2	15/20 Amps. Modular switch	12	228	Rupees Two Hundred Twenty Eight Only	Each	2736
3.3	5/6 amp modular socket outlet	15	189	Rupees One Hundred Eighty Nine Only	Each	2835
3.4	15/16 amp modular socket outlet	12	343	Rupees Three Hundred Forty Three Only	Each	4116
	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	4 Module	16	195	Rupees One Hundred Ninety Five Only	Each	3120
4.2	6 Module	4	245	Rupees Two Hundred Forty Five Only	Each	980
4.3	8 Module	4	281	Rupees Two Hundred Eighty One Only	Each	1124
	Makes:- L&T/Legrand/Schneider.					
5	Supplying and erection of MCB of following rating, 10 KA breaking capacity, 240 volts / 415 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required.					
5.1	Single pole. 6-32 Amp.	12	268	Rupees Two Hundred Sixty Eight Only	Each	3216

5.2	MCB DP 63 Amp.	3	1426	Rupees One Thousand Four Hundred Twenty Six Only	Each	4278
5.3	Four Pole 63 Amp	8	2008	Rupees Two Thousand Eight Only	Each	16064
	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	1548	Rupees One Thousand Five Hundred Forty Eight Only	Each	1548
6.2	Double door-6 way	1	1754	Rupees One Thousand Seven Hundred Fifty Four Only	Each	1754
6.3	Double door-12 way	1	2326	Rupees Two Thousand Three Hundred Twenty Six Only	Each	2326
	Makes:- L&T/Legrand/Schneider.					
7	Providing and Fixing of IP20 LED Surface mounted CRCA Powder Coated Box Type Channel system with Pro LED Lamp Suitable for mounting 1 X 18 W LED Tube T8 type having minimum efficacy of 100 lm/W, P.F.>0.95 with THD<10% ,CCT 6500 K,CRI 80,Surge Protection range 2 KV.The LED with Useful life of 50000 Hrs at L70 with five years warranty .The Input voltage shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections etc. as required.					

	18 Watt LED Tube fixture with pro LED lamp		3	1512	Rupees One Thousand Five Hundred Twelve Only	Each	4536
	Makes: Philips/ Wipro/ Bajaj						
8	Providing and fixing LED Mirror Light of IP20 Led fixture 10 W+/- 1W with Surface Mounted 2 feet 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.						
	LED Mirror Light 10 Watt		5	668	Rupees Six Hundred Sixty Eight Only	Each	3340
	Makes: Philips/ Wipro/ Bajaj						
	Providing, installation, testing and commissioning of wall fan, including wiring with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.						
	Wall Mounting Fan 400mm		4	3042	Rupees Three Thousand Forty Two Only	Each	12168
	Makes:- Usha/Anchor/Bajaj						
	Total						247187

Cost schedule of quantity checked and approved
for Rs 247187/-

Executive Engineer
Electrical Division
HPPWD Palampur

[Signature]

SCHEDULE OF QUANTITY

NAME OF WORK:- R/M of ductable split Air conditioning system of central library Dr. RPGMC Kangra at Tanda. (SH: Replacement of damaged compressors , Condenser , PCB , Outdoor Fan Motor, insulation and refilling of gas R22 etc. therein).			Job No. 4		ESTIMATED COST: Rs.4,96,800/-only. EARNEST MONEY: Rs.10,000/-only TIME ALLOWED: One Month	
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, installation, testing and commissioning of compressors of following capacity suitable for required size air-conditioning units complete in all respects and to the best satisfaction in Engineer-in-charge.					
1 1	Compressor 8.5 Ton capacity.	1	71000	Rupees Seventy One Thousand Only	Each	71000
	Make: Kirloskar/SMC120/ZR108 or equivalent make.					
2	Providing and Fixing of Nitrile tubular insulation indoor to outdoor for copper piping as required complete in all respects and to the best satisfaction in Engineer-in-charge.	74	1200	Rupees One Thousand Two Hundred Only	P/Mtr	88800
3	Supplying and fixing of Main PCB for following rating ductable split unit complete with accessories as required complete in all respects and to the best satisfaction in Engineer-in-charge.					
3 1	Main PCB Unit 8.5 Ton capacity.	1	22000	Rupees Twenty Two Thousand Only	Each	22000
3 2	Main PCB Unit 11 Ton capacity.	1	25000	Rupees Twenty Five Thousand Only	Each	25000
4	Supplying and fixing of Expansion Valve for ductable split unit complete with accessories as required complete in all respects and to the best satisfaction in Engineer-in-charge.	1	14000	Rupees Fourteen Thousand Only	Each	14000
5	Replenishment/charging of refrigerant R-22 (Gas) in ductable split Air-Conditioning Units of following capacity as required complete in all respects.	50	2500	Rupees Two Thousand Five Hundred Only	Per Kg	125000

6	Providing Nitrogen for Flushing. Testing and Vacuumization of Ductable Split Unit as required complete in all respects	7	4000	Rupees Four Thousand Only	Per/ Job	28000
7	Servicing of Ductable AC units which include testing of wiring Contactors. Cleaning of drain pipe washing of AC indoor and outdoor units as required complete in all respects	69	1500	Rupees One Thousand Five Hundred Only	Per Tr	103500
8	Supplying, installation, testing and commissioning of Outdoor Fan motor suitable for 8.5 TR capacity ductable split air conditioning unit complete in all respects and to the best satisfaction in Engineer-in-charge.	1	19500	Rupees Nineteen Thousand Five Hundred Only	Each	19500
Total						496800

Draft schedule of quantity checked and approved for 496800/-

Executive Engineer
Electrical Division
HPPWD Palampur

S

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
NAME OF WORK :-C/o Health Sub Centre at Kulthi in Tehsil and Distt. Kangra(H.P)(SH:- Providing E.I. therein).		job No S		ESTIMATED COST: Rs.1,16,684/-only. EARNEST MONEY: Rs.2400/- 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, 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	20	1311	Rupees One Thousand Three Hundred Eleven Only	Per Point	26220
	Makes:- (KEI/Anchor/Plaza /SCIL&T(Entice)/Legrand(Myrius)/Schneider(Livia)					
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.	25	212	Rupees Two Hundred Twelve Only	Per Meter	5300
2.2	2x4.0 Sq. mm.	16	348	Rupees Three Hundred Forty Eight Only	Per Meter	5568
2.3	2x10 Sq. mm.	10	673	Rupees Six Hundred Seventy Three Only	Per Meter	6730
2.4	4x4.0 Sq. mm.	10	607	Rupees Six Hundred Seven Only	Per Meter	6070
	Makes:- KEI / Anchor / Plaza/SCI					
3	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.	15	111	Rupees One Hundred Eleven Only	Per Meter	1665
	3x1.5 Sq. mm.					
	Makes:- KEI / Anchor / Plaza/SCI					

4	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.	6	582	Rupees Five Hundred Eighty Two Only	Each	3492
	Makes:-Legrand/L&T/Schneider.					
5	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.	3	750	Rupees Seven Hundred Fifty Only	Each	2250
	Makes:- Legrand/L&T/Schneider.					
6	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:- Make:- GoldMedal/Anchor	1	187	Rupees One Hundred Eighty Seven Only	Each	187
	Makes:- Legrand/L&T/Schneider.					
7	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.	7	265	Rupees Two Hundred Sixty Five Only	Each	1855
	Makes:- Legrand/L&T/Schneider.					
8	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. DP Cat-A.	1	488	Rupees Four Hundred Eighty Eight Only	Each	488
	Makes:- Legrand/L&T/Schneider.					
9	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
	Makes:- Legrand/L&T/Schneider.					

10	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-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	Makes:- Legrand/L&T/Schneider.					
11	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.	1	10244	Rupees Ten Thousand Two Hundred Forty Four Only	Per Set	10244
12	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.	15	30	Rupees Thirty Only	Per Meter	450
13	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:-	2	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	4538
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep					
	Makes:- Usha/ Bajaj / Crompton					
14	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	4	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	12764
	Makes:- Usha/ Bajaj / Crompton with 3 rated star					

15	Providing and fixing of IP65 Bulkhead led fixture 10 W +/-1 W Wall Mounted with minimum system 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, testing and commissioning etc. as required complete in all respects.					
	LED Bulk Head 10 Watt	3	1432	Rupees One Thousand Four Hundred Thirty Two Only	Each	4296
	Makes: Philips/ Wipro/Bajaj					
16	Providing and installation of following wattage LED square/round surface downlighter with minimum system lumen efficacy of 100 lm/W with and P.F.>0.95 with THD<10%, CCT 6000 K, CRI 80. The LED with useful life of 50000 hrs. at L70 with five years warranty. The input voltage range shall be 150V to 270V as required complete in all respects.					
	LED Surface mounting Square/Round downlighter 18 Watt	6	1562	Rupees One Thousand Five Hundred Sixty Two Only	Each	9372
	Makes: Wipro/Havells/Panasonic					
17	Providing and Fixing of IP20 LED Surface mounted CRCA Powder Coated Box Type Channel system with Pro LED Lamp Suitable for mounting 1 X 18 W LED Tube T8 type having minimum efficacy of 100 lm/W, P.F.>0.95 with THD<10%, CCT 6500 K, CRI 80, Surge Protection range 2 KV. The LED with Useful life of 50000 Hrs at L70 with five years warranty. The Input voltage shall be 150V to 270V, 50/60 HZ complete with all accessories, including connections etc. as required.					
	18 Watt LED Tube fixture with pro LED lamp	3	1508	Rupees One Thousand Five Hundred Eight Only	Each	4524
	Makes: Philips/ Wipro/Bajaj					

18	Providing and fixing LED Mirror Light of IP20 Led fixture 10 W+/- 1W with Surface Mounted 2 feet 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.					
	LED Mirror Light 10 Watt	1	665	Rupees Six Hundred Sixty Five Only	Each	665
	Makes: Philips/ Wipro/ Bajaj					
19	Supplying and fixing 45W LED street light made up of die cast aluminium housing with LED street optic LENS, offering uniform light distribution and individual LEDs with IP66 protection including connections, testing etc. as required complete in all respects with 5 years warranty.					
	45W LED Street Light	1	4982	Rupees Four Thousand Nine Hundred Eighty Two Only	Each	4982
	Makes:- Havells/Wipro/Bajaj					
	Total					116684

Part schedule of quantity checked and approved
for 116684/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK:- C/O 4 Nos class room in Govt. High School at Hatwas in Tehsil Baroh Distt. Kangra HP (Sh:- Providing E.I. therein)							Job No. 06		ESTIMATED COST: Rs.2,58,821/-only. EARNEST MONEY: Rs.6000/-only TIME ALLOWED: Six Months	
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT				
			FIGURES	WORDS						
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. (Make:-Finolex,KEI,Anchor,L&T for wire)(Legrand)(Myrius),L&T(Oris),Anchor(Roma plus) for accessories)/SCI									
1.01	Group C.	44	1823	Rupees One Thousand Eight Hundred Twenty Three Only	P/Point	80212				
2	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required. (Make:-Finolex,KEI,Anchor,L&T for wire)(Legrand)(Myrius), L&T(Oris), Anchor(Roma plus) for accessories)SCI									
2.01	Group C.	1	1894	Rupees One Thousand Eight Hundred Ninety Four Only	P/Point	1894				
3	Wiring for light plug with 2x2.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.2.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Make:-Finolex,KEI,Anchor,L&T)SCI	40	395	Rupees Three Hundred Ninety Five Only	P/metre	15800				

4	Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HFRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Make:- Finolex,KEL,Anchor,L&T)SCI	40	471	Rupees Four Hundred Seventy One Only	P/metre	18840
5	Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.(Make:- Finolex,KEL,Anchor,L&T)	15	771	Rupees Seven Hundred Seventy One Only	P/metre	11565
6	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.(Make:- Finolex,KEL,Anchor,L&T)SCI					
6.01	2x16 Sq. mm.	5	1108	Rupees One Thousand One Hundred Eight Only	P/metre	5540
7	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.(Make:-Legrand (Myrius),L&T(Oris),Anchor(Roma plus)	4	582	Rupees Five Hundred Eighty Two Only	Each	2328
8	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.(Make:-Legrand (Myrius),L&T(Oris),Anchor(Roma plus).	4	750	Rupees Seven Hundred Fifty Only	Each	3000
9	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:- Schneider,Legrand,L&T)					
9.01	6 amp Single pole. Cat-A.	4	265	Rupees Two Hundred Sixty Five Only	Each	1060

9.02	16 amp Single pole. Cat-A.	4	265	Rupees Two Hundred Sixty Five Only	Each	1060
10	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:-Schneider,Legrand,L&T)					
10.01	63 Amps. Cat-A.	1	616	Rupees Six Hundred Sixteen Only	Each	616
11	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:-Schneider,Legrand,L&T)					
11.01	63 Amps. Cat-A.	1	3616	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616
12	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:-Schneider,Legrand,L&T)					
12.01	Double door-16 way	1	2954	Rupees Two Thousand Nine Hundred Fifty Four Only	Each	2954
13	Earthing with copper earth plate 600 mmx600 mmx 6 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal or coke and salt complete as required.	1	18749	Rupees Eighteen Thousand Seven Hundred Forty Nine Only	P/Set	18749
14	Supplying and laying 4 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	18	180	Rupees One Hundred Eighty Only	P/Mtr	3240

15	Providing and installation of Ceiling fan with step type fan regulator modular air delivery 215m3/min power input 30watts speed 330 RPM including wiring the down rods of standard length (upto 30cm) with 16/0.20mm twin twisted flexible cotton braided copper cable including providing and fixing phenolic laminated sheet cover on the fan box and earthing required :- with 3 star rating not less than					
15.01	Ceiling Fan 1200 mm sweep, Category-A Makes:- Bajaj / Usha / Crompton	20	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	63820
16	Providing and fixing LED Circular, Surface mounted LED downlight luminaire with die cast aluminium housing in white PC finish, specially designed heat sink, anti glare diffuser and integrated energy efficient electronic driver. 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. LED circular, Surface mounted LED 10 watt downlight luminaire) Make:- Bajaj, Panasonic & Philips with 5 years warranty					
16.01	LED surface mounted Circular LED downlight (12 watt)	14	945	Rupees Nine Hundred Forty Five Only	Each	13230
17	Providing and fixing LED surface Tube fixture 1x18 watts LED batten anodized extruded aluminium housing high transmissibility diffuser and it should be compatible with specifications i.e. Power factor > 0.9 , Harmonic distortion $< 10\%$ & efficiency > 100 Lumen per watt, CRI > 80 , 5700 K suitable for input voltage 220-240 Volts, 50 HZ, complete with 5 years warranty					
17.01	LED Tube Fixture 1x18 watt Make:- Havells, Wipro & Philips	13	869	Rupees Eight Hundred Sixty Nine Only	Each	11297
Total						258821

Draft schedule of quantity checked and approved for 258821

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :-Repair, Servicing & Comprehensive Maintenance of different types air- conditioning units installed in the Ward Block -3B and Faculty Block 1st floor & 2nd floor of 500 Bedded Hospital Dr. R.P.G.M.C Kangra at Tanda for the year 2023-24.

Job No 7

ESTIMATED COST: Rs.3,72,900/-only.
EARNEST MONEY: Rs.7500/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair, Servicing & comprehensive maintenance of Window Air-Conditioning Units having following capacity i.e. rackout of these unit for servicing including washing of filters in routine intervals i.e. 04 Nos. services throughout a year with the time period of three months and reinstallation of these units after necessary PCB testing ,fan motor, swing motor, drain pipe, refrigerant pressure testing, testing of temperature sensor and all other wiring including stabilizer wiring etc. and emergency call attending services during the any type of fault in air- conditioning units as required complete in all respects and to the best satisfaction of Engineer -in-charge. .					
1.2	Window type A.C. units 1.5/2 T.R capacity Repair, Servicing & comprehensive maintenance of Split Air-Conditioning Units having following capacity including maintenance of voltage stabilizer and all other accessories extra copper pipes with sleeves, drain pipe, wire, insulation and battens etc. with servicing, cleaning the filters, charging/topping up of refrigerant /R-22 Gas when required throughout the year including replacement of the compressor of A.C. units which are beyond repair. The Repair and maintenance has been done as per instructions and directions to the best satisfaction of Engineer-in-charge.	63	4200	Rupees Four Thousand Two Hundred Only	Each	264600

	Split type A.C. units 1.5 T.R capacity	21	4300	Rupees Four Thousand Three Hundred Only	Each	90300
	Split type A.C. units 2 T.R capacity	4	4500	Rupees Four Thousand Five Hundred Only	Each	18000
	Total					372900

Drafts made of Quantity checked and approved for 372900/-

Executive Engineer
Electrical Division
HPPWD Palampur

S

SCHEDULE OF QUANTITY

NAME OF WORK :- Providing and Fixing of 1.8 TR Split AC in set No 301 Old Circuit House, Dharamshala Distt Kangra H.P

Job No 8

ESTIMATED COST: Rs.1,09,104/-only.
EARNEST MONEY: Rs.2200/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing and installation of 1.8TR hot and cold Split Type AC 4star 4KVA Voltage Stabilizer with R32 Refrigerent Operating Range cooling capacity 19.4~50 degree CDB and heatings capacity 4~24 degree CDB with power supply 220-240v. Power supply intake outdoor unit,with cooling & Heating capacity Rated Min~Max 6.0/3.0(2.5~6.0) Power consumption for Heating & Cooling Min~Max 1970/780(780-1970)W, and Operation sound for cooling & Heating 47/45/43/40/38 DBA,Air flow rate cooling & Heating 16.3 m3/min making connections , testing etc complete in all Respect with best satisfaction of engineer -in- Charge					
1.1	1.8 TR Split AC Hot and Cold	1	97439.00	Rupees Ninety Seven Thousand Four Hundred Thirty Nine Only	Each	97439
	Makes:-DAIKIN /o -general /Noltas/ Mitsubishi					
2	Providing and fixing of copper tube for refrigerent size (15.8 mm -9.52mm) for 2.0 T.R. Split AC unit as required complete in all respects and as per direction and satisfaction of Engineer in charge.	4	1350.00	Rupees One Thousand Three Hundred Fifty Only	Per Meter	5400
3	Providing and fixing of Nitrite Tubular Insulationac indoor to outdoor for COPPER PIPING as required complete in all respects and as per direction and satisfaction of Engineer in charge.	4	480.00	Rupees Four Hundred Eighty Only	Per Meter	1920
4	Providing and laying of communication wire 2.5 Sq.mm. (4 core) as required complete in all respects and as per direction and satisfaction of Engineer in charge.	5	225.00	Rupees Two Hundred Twenty Five Only	Per Meter	1125

5	Supplying and fixing of 25mm dia of PVC drain pipe along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required complete in all respects and as per direction and satisfaction of Engineer in charge.	4	180.00	Rupees One Hundred Eighty Only	Per Meter	720
6	Providing and fixing of MS Pre-fabrication condensing unit stands as required complete in all respects and as per direction and satisfaction of Engineer in charge.	1	2500.00	Rupees Two Thousand Five Hundred Only	No.	2500
Total						109104

Best schedule of quantity checked and approved for 14/10/2024

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- R/M of E.I. in various Govt. N/R building in Distt. Kangra under ESD Dharamshala (SH:- Annual repair and Maintenance of A.C 1.5 Ton/2 Ton capacity Split type under ESD Dharamshala for the year One Year 01-12-2023 to 30-11-2024.		Job No 9		ESTIMATED COST: Rs.1,05,800/-only. EARNEST MONEY: Rs.2200/-only TIME ALLOWED: One Year		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Annual Repair and Maintenance (Routine & preventive) of various makes/types and different capacity Split AC's with three numbers mandatory services and all emergency break down services as and when required from time to time as per the best satisfaction of Engineer-in-Charge.					
i	The AMC will include the following :-					
2.00	Thermostat, Relay, OLP,Fan Motors, Timers, PCB,temperature sensors, Evaporators,Condensers, Driers, Capillary. Blowers, Fan Blade, Control box, Capacitors. Refilling of Gas abd replacement of compressure and Three Nos of service time to time as per satisfaction of Engineer-in-Charge					
3.00	All defective components shall be replaced with compatible working parts and defective parts shall be company's/firm/contractor's property.					
i	Split type Air Conditioner 1.5 Ton	11	4300	Rupees Four Thousand Three Hundred Only	Each	47300
ii	Split type Air Conditioner 2 Ton	13	4500	Rupees Four Thousand Five Hundred Only	Each	58500
Total						105800

Defect schedule of quantity checked and approved
with 105800/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O Wool Collection Centre in Tehsil Bharmour, Distt Chamba (HP) (SH:- Prov. E.I. therein)		job No 0		ESTIMATED COST: Rs.1,57,786/-only. EARNEST MONEY: Rs.3200/-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. Make: KEI/Plaza/Anchor/ Anchor (Roma Plus)/Schneider (Livia)/ Legrand (Myrius)/L&T(Entice)/SCI					
i)	Group C.	20	1823.00	Rupees One Thousand Eight Hundred Twenty Three Only	Per Point	36460
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 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. Make: KEI/Plaza/Anchor/ Anchor (Roma Plus)/Schneider (Livia)/ Legrand (Myrius)/L&T(Entice)/SCI					
i)	Group C.	1	1894.00	Rupees One Thousand Eight Hundred Ninety Four Only	Per Point	1894
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. Make: Anchor (Roma Plus)/Schneider (Livia)/ Legrand (Myrius)/L&T(Entice).	4	582.00	Rupees Five Hundred Eighty Two Only	each	2328

4	Supplying and fixing suitable size GI box with modular plate and cover in FRLSont on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required. Make: Anchor (Roma Plus)/Schneider (Liviat)/ Legrand (Myrius)/L&T(Entice).	7	750.00	Rupees Seven Hundred Fifty Only	each	5250
5	Supplying and fixing suitable size GI 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 buildings) Make: Anchor (Roma Plus)/Schneider (Liviat)/ Legrand (Myrius)/L&T(Entice).	6	1366.00	Rupees One Thousand Three Hundred Sixty Six Only	each	8196
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	40	471.00	Rupees Four Hundred Seventy One Only	Per Meter	18840
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	10	771.00	Rupees Seven Hundred Seventy One Only	Per Meter	7710
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 2.5 sq. mm + 1 X 1.5 sq. mm earth wire	70	335.00	Rupees Three Hundred Thirty Five Only	Per Meter	23450
ii)	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	5	793.00	Rupees Seven Hundred Ninety Three Only	Per Meter	3965
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 2.5 sq. mm	10	111.00	Rupees One Hundred Eleven Only	Per Meter	1110
10	Supplying and fixing PVC batten/angle holder including connection etc. as required. Make :- GoldMedal/Anchor/SSK.	1	94.00	Rupees Ninety Four Only	each	94
11	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: Freshjee)/Anchor (Model: Anmol)/Crompton (Model: Drift air Plus .	1	2269.00	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	2269
12	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 complete in all respects..					
i)	LED Batten 20W, 4 feet long (Make: Jaquar, cat no. LGLZ01X020XC)/Bajaj/Panasonic.	11	975.00	Rupees Nine Hundred Seventy Five Only	Each	10725
13	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 etc. as required complete in all respects.					
i)	Bulk Head Light LED 10 W (Make:- Jaquar Cat no. LBLK02X010XC/Bajaj/Panasonic.	3	1322.00	Rupees One Thousand Three Hundred Twenty Two Only	Each	3966

14	Providing and installation of Back Light (Non slim model)15 W +/- 1 W LED round Surface/recess Mounted Downlighter with minimum system lumen efficacy of ≥110 lm/W with and P.F.>0.95 with THD<10% , CCT 5700 K, CRI 80. 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 complete in all respects.					
	LED Down Light 12 watt, (Make: Jaquar Cat no. LNRP02R015SC/Bajaj/Crompton.	3	1040.00	Rupees One Thousand Forty Only	Each	3120
15	Providing and erection of LED 45 watt Street light luminaries powder coated pressure die-cast aluminium Snake:- Jaquar/Panasonic/Wipro MDLED Street light with heat resistant toughened glass including connections, testing and commissioning etc; as required complete in all respects. Make:-Bajaj/Panasonic/Wipro.					
	LED Street Light, 45 Watt	2	4097.00	Rupees Four Thousand Ninety Seven Only	Each	8194
16	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:- Schneider/ Legrand/L&T)	12	265.00	Rupees Two Hundred Sixty Five Only	Each	3180
17	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)	63 Amps. (Make:- Schneider/ Legrand/L&T)	1	616.00	Rupees Six Hundred Sixteen Only	Each	616
18	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)	63 Amps. (Make:- Schneider/ Legrand/L&T)	1	3616.00	Rupees Three Thousand Six Hundred Sixteen Only	Each	3616
19	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)					
iv)	Double door-16 way (Make:- Schneider/ Legrand/L&T)	1	2954.00	Rupees Two Thousand Nine Hundred Fifty Four Only	each	2954
20	Earthing with G.I. earth pipe 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.	1	8830.00	Rupees Eight Thousand Eight Hundred Thirty Only	Set	8830
21	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	20	41.00	Rupees Forty One Only	Per Meter	820
22	Providing and fixing LED Bulb 9 watts to 10 watt in the existing fixture as required complete in all respect. Make :- OSRAM/Philips /Bajaj.	1	199.00	Rupees One Hundred Ninety Nine Only	each	199
	Total					157786

Detail schedule of quantity checked and approved by 157786/2

Executive Engineer
Electrical Division
HPPWD Palampur

[Signature]

SCHEDULE OF QUANTITY

Name of Work :- C/O Three No. Class Room Govt. High School Building at Sanh in Tehsil Bharmour and District Chamba (H.P.).Under RMSA (Sh:- Providing E.I. in 3 No.Classroom,Verandah i.e Stair case.)				job No 1)		ESTIMATED COST: Rs.1,08,988/-only. EARNEST MONEY: Rs.2200/-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: Anchor (Panta)/ SSK(Touch)/SCI						
Group C.		23	1712	Rupees One Thousand Seven Hundred Twelve Only	Per point	39376	
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HFRFLS/PVC insulated single core copper conductor cable of same size for earthing as required. Make: KEI/Plaza/Anchor/SCI						
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	25	395	Rupees Three Hundred Ninety Five Only	Per metre	9875	
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	30	471	Rupees Four Hundred Seventy One Only	Per metre	14130	
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	2	657	Rupees Six Hundred Fifty Seven Only	Per metre	1314	
3	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						

1	3x2.5 Sq. mm.	8	171	Rupees One Hundred Seventy One Only	Per metre	1368
4	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)	3	290	Rupees Two Hundred Ninety Only	Each	870
5	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required. Make: Anchor (Panta) SSK(Touch)	3	485	Rupees Four Hundred Eighty Five Only	Each	1455
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	15	975	Rupees Nine Hundred Seventy Five Only	Each	14625
	Cat No: BCLAB 20W LED P					
7	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					

	LED 12 Watt Square	4	1050	Rupees One Thousand Fifty Only	Each	4200
	Cat No: PPAM17127R1					
8	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 $<20\%$ 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
	Cat No: PSTM27458					
9	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:- L&T/ Legrand/ Schneider)					
ii	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
10	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
11	Supplying and fixing 40 Amps. rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 30 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- L&T/ Legrand/ Schneider)	1	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	2715

12	Supplying and fixing 40 Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required : Cat-A. Make: L&T, Legrand, Schneider.	1	488	Rupees Four Hundred Eighty Eight Only	Each	488
13	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	Rupees Eight Thousand Eight Hundred Thirty Only	Set	8830
14	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	20	41	Rupees Forty One Only	Per metre	820
	Total					108988

Cost schedule of quantity checked and approved
Rs 108988/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O Additional Accommodation at Civil Hospital Palampur in Tehsil Palampur Dist. Kangra (H.P.) (S.H:- Providing E.I. In 2 Nos Lifts)		job No 12		ESTIMATED COST: Rs.1,68,307/-only. EARNEST MONEY: Rs.3400/-only TIME ALLOWED: One Month		
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.	22	1824	Rupees One Thousand Eight Hundred Twenty Four Only	Per point.	40128
	SCI/KEI/Plaza make					
2	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 $\geq$ 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 years warrenty	19	1432	Rupees One Thousand Four Hundred Thirty Two Only	Each	27208
	Makes :-Wipro (Cat. No.:-LW07-141-XXX-57-G1) Philips/Bajaj .					
3	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.	10	582	Rupees Five Hundred Eighty Two Only	Each.	5820
	L&T/Legrand/Schneider make					
4	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.	6	750	Rupees Seven Hundred Fifty Only	Each.	4500
	L&T/Legrand/Schneider make					

5	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.	45	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	21285
	SCI/KEI/Plaza make					
6	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
	SCI/KEI/Plaza make					
7	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	25	395	Rupees Three Hundred Ninety Five Only	P/Mtr.	9875
	2x6Sqmm+ 1 X 6 sq. mm earth wire	10	657	Rupees Six Hundred Fifty Seven Only	P/Mtr.	6570
	SCI/KEI/Plaza make					
8	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	10	171	Rupees One Hundred Seventy One Only	P/Mtr.	1710
	SCI/KEI/Plaza make					
9	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-4 way	2	1572	Rupees One Thousand Five Hundred Seventy Two Only	Each	3144

	Double door-12 way	2	2309	Rupees Two Thousand Three Hundred Nine Only	Each	4618
	L&T/Legrand/Schneider make					
10	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.	2	265	Rupees Two Hundred Sixty Five Only	Each	530
	16 Amp Single pole. Cat-A.	2	265	Rupees Two Hundred Sixty Five Only	Each	530
	L&T/Legrand/Schneider make					
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.					
	40 Amps. Cat-A.	2	488	Rupees Four Hundred Eighty Eight Only	Each	976
	L&T/Legrand/Schneider make					
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 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	40 Amps. Cat-A.	2	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	5430
	L&T/Legrand/Schneider make					

13	Supplying and fixing following rating, four pole, 415 volts, Isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. L&T/Legrand/Schneider make					
	63 Amp Four Pole MCB	2	2493	Rupees Two Thousand Four Hundred Ninety Three Only	Each	4986
	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:- Usha/Bajaj/Crompton make					
	Exhaust Fan, Heavy duty, 300 mm sweep	1	4572	Rupees Four Thousand Five Hundred Seventy Two Only	Each	4572
	Total					168307

Back schedule of currency checked and approved for Rs 168307/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Two Rooms in Govt Sen. Sec. School (First Floor) at Saliara in Teshil Palampur Distt. Kangra (H.P.) (Sh:- PdG. E.I therein)						
ESTIMATED COST: Rs.1,36,467/-only. EARNEST MONEY: Rs.2800/-only TIME ALLOWED: Six Months						
SR. NO.	DESCRIPTION	QTY.	Job No / 3		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 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.	27	1824	Rupees One Thousand Eight Hundred Twenty Four Only	Per point	49248
	SC/IK/E/Plaza make					
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 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.	1	1894	Rupees One Thousand Eight Hundred Ninety Four Only	Per point	1894
	SC/IK/E/Plaza make					
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					

	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	18	395	Rupees Three Hundred Ninety Five Only	P/Mtr.	7110
	SCI/KEI/Plaza make					
4	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 sqmm	12	171	Rupees One Hundred Seventy One Only	P/Mtr.	2052
	SCI/KEI/Plaza make					
5	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.	12	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	5676
	SCI/KEI/Plaza make					
6	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.	17	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	12835
	SCI/KEI/Plaza make					
7	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					
	2X6 sqmm+1X6 sq mm earth wire	2	657	Rupees Six Hundred Fifty Seven Only	P/Mtr.	1314
	SCI/KEI/Plaza 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	2	582	Rupees Five Hundred Eighty Two Only	Each.	1164
	Make :-L&T,Legrend,Schenider					
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.	2	750	Rupees Seven Hundred Fifty Only	Each.	1500
	Make :-L&T,Legrend,Schenider					
10	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	8	2791	Rupees Two Thousand Seven Hundred Ninety One Only	Each	22328
	Makes :-Ceiling Fan 1200 mm sweep, Category-A usha Technix Plus 3 Star,Philips,Bajaj					
11	Providing and installation of IP65 LED fixture 20 W +/- 1 W LED with surface Surface Mounted 4 feet Batten fixture with system with efficacy 100 lm/W with Aluminium housing and P.F $\geq$ 0.95 with THD <20%, CCT 6000 K, CRI 80, Surge protection 2 Kv. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V . with 5 year warranty.					
	LED Batten light 20 W	19	761	Rupees Seven Hundred Sixty One Only	Each	14459
	Makes :-Wipro (Cat. No. LL20-281-XXX-ALI) Philips/ Bajaj					

12	Providing and installation of LED Fixture 15W+/- 1W with LEDround surface mounted Downlighter round shape with minimum system lumen efficacy of 85lm/W with and P.F > 0.95 WITH THD, <20%, CCT 6000 K, CRI 80, The LED with use full life of 50000 Hrs at L70. The Input voltage range shall be 150v to 270v. with 5 year warranty.				Rupees One Thousand Nine Hundred Four Only	Each	9520
	Square/round LED Panel Light 15 Watt	5	1904				
	Wipro Cat No. Ld80-171-XXX-60-SM 1/Philips/ Bajaj						
13	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.	5	265		Rupees Two Hundred Sixty Five Only	Each	1325
	16 Amp Single pole. Cat-A.	2	265		Rupees Two Hundred Sixty Five Only	Each	530
	Make :-L&T,Legrend,Schenider						
14	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
	Make :-L&T,Legrend,Schenider						

15	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.					
	40 Amps. Cat-A.	1	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	2715
	Make :-L&T,Legrend,Schneider					
16	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-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	Make :-L&T,Legrend,Schneider					
	Total					136467

Part Schedule of quantity checked and approved for 136467/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK:- C/O Ayurvedic Health Sub Centre at Malli with Tehsil Jaisinghpur Distt. Kangra (H.P.) (S.H.- Providing E.I. therein.)

Job No. **114**

ESTIMATED COST: Rs.1,44,217/-only.
EARNEST MONEY: Rs.2900/-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.	26	1824	Rupees One Thousand Eight Hundred Twenty Four Only	Per point.	47424
	SCI/KEI/Plaza make					
2	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.	25	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	11825
	SCI/KEI/Plaza make					
3	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.	18	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	13590
	SCI/KEI/Plaza make					
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					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	30	395	Rupees Three Hundred Ninety Five Only	P/Mtr.	11850
	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	2	793	Rupees Seven Hundred Ninety Three Only	P/Mtr.	1586
	SCI/KEI/Plaza make					

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 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	4	582	Rupees Five Hundred Eighty Two Only	Each	2328
	L&T/Legrand/Schneider make					
6	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.	3	750	Rupees Seven Hundred Fifty Only	Each	2250
	L&T/Legrand/Schneider make					
7	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.	3	265	Rupees Two Hundred Sixty Five Only	Each	795
	16 Amp Single pole. Cat-A.	3	265	Rupees Two Hundred Sixty Five Only	Each	795
	L&T/Legrand/Schneider make					
8	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
	L&T/Legrand/Schneider make					
9	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
	L&T/Legrand/Schneider make					

10	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with lined 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	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	L&T/Legrand/Schneider make					
11	Earthing with GI earthing 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
12	Supplying and laying 8 SWG Copper wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	20	50	Rupees Fifty Only	Per Mtr	1000
13	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 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 Not Less than 3 Rating Star,Philips,Bajaj					
14	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 years warrenty					
	LED Surface mounting round downlighter 15 watt	6	1904	Rupees One Thousand Nine Hundred Four Only	Each	11424
	Makes :-Wipro (Cat No :-LD80-171-xxx-60-SM/Philips/Bajaj)					

15	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	2	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	4538	
	Exhaust Fan, Light duty, (Domestic) 300 mm sweep (Usha, Bajaj, Crompton make)						
16	Providing and installation of IP65 LED fixture 20 W +/- 1 W LED with surface Aluminium housing and P. F ≥ 0.95 with THD <20%, CCT 6000 K, CRI 80, Surge protection 2 Kv. The LED with useful life of 50000 Hrs at L70. The input voltage range shall be 150V to 270V . with 5 years warrenty						
	LED Batten light 20 W	6	761	Rupees Seven Hundred Sixty One Only	Each	4566	
	Makes :- Wipro (Cat. No. LL20-281-XXX-ALI) Philips/Bajaj						
17	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 years warrenty	2	1689	Rupees One Thousand Six Hundred Eighty Nine Only	Each	3378	
	Makes :- Wipro (Cat. No.:- LW07-141-XXX-57-G1) Philips/Bajaj						
	Total					144217	

Bedt checked and approved for 144217

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Repair & Maintenance of Split type air-conditioning units installed in Dept. of Pulmonary Medicine Dr. RPGMC Kangra at Tanda. (SH: Reinstallation and repair of split type air-conditioning units thereof)

Job No *15*

ESTIMATED COST: Rs.1,67,585/-only.
EARNEST MONEY: Rs.3400/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Dismantling, re-installation, testing and commissioning of 1.5/2 Ton capacity split type air-conditioning outdoor units as required complete in all respects and as per directions of Engineer-in-charge.	2	3000	Rupees Three Thousand Only	Per Job	6000
2	Replenishment/charging of refrigerant R-22 (Gas) in split Air-Conditioning Unit as required complete in all respects and to the best satisfaction of Engineer-in-charge.	12	2250	Rupees Two Thousand Two Hundred Fifty Only	Per Kg.	27000
3	Providing & fixing of extra copper tubes for refrigerant and condensate (1/2" x 1/4") for split type A.C. units and wiring with suitable size of HRFRLS copper conductor single core cables, including the cost of insulation etc. as required complete in all respects.	25	1250	Rupees One Thousand Two Hundred Fifty Only	Per Meter	31250
4	Servicing of split type air-conditioning unit i/c checking all types connections of communication as well as electrical supply, MCB etc. and other spares of indoor and outdoor unit as required complete in all respects and to the best satisfaction of Engineer-in-charge.	7	980	Rupees Nine Hundred Eighty Only	Per Job	6860
5	Supplying and fixing of 25mm dia of PVC drain pipe along with the accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	45	195	Rupees One Hundred Ninety Five Only	Per Job	8775
6	Supplying and fixing of PVC trunking of following size including accessories etc. complete in all respects and to the best satisfaction of Engineer-in-charge.					
6.1	105mm x 50mm	30	1300	Rupees One Thousand Three Hundred Only	P/Mtr	39000

7	Supplying, installation, testing and commissioning of Compressor of following capacity suitable for required size air-conditioning units complete in all respects and to the best satisfaction in Engineer-in-charge.					
	Compressor for 2.0 Ton A.C. unit	2	15000	Rupees Fifteen Thousand Only	Per Job	30000
8	Supplying, installation, testing and commissioning of PVC 4 core 2.5 sq mm wire for communication from outdoor unit to indoor unit complete in all respects and to the best satisfaction in Engineer-in-charge.	18	350	Rupees Three Hundred Fifty Only	Per Job	6300
9	Supplying, installation, testing and commissioning of blower motor for indoor unit complete in all respects and to the best satisfaction in Engineer-in-charge.	2	6200	Rupees Six Thousand Two Hundred Only	Per Job	12400
	Total					167585

Draft schedule of quantity of work
 approved for Rs 1,67,585/-

Executive Engineer
 Electrical Division
 HPPWD Palampur

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
NAME OF WORK :-Repair & Maintenance of E.I. to various Govt. Non-Residential Buildings in Dr. RPGMC Kangra at Tanda. (SH: Providing Special Repair of Air-Circuit Breakers of 3200A/2000A capacity in 500 bedded Hospital Dr. RPGMC Kangra at Tanda).			Job No 16		ESTIMATED COST: Rs.4,99,448/-only. EARNEST MONEY: Rs.10,000/-only TIME ALLOWED: Six Months	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying, fixing, testing and commissioning of Cluster Contact Assembly suitable for various capacity Air-Circuit Breaker of 'GE' make or equivalent make as required complete to the best satisfaction of Engineer-in-charge.					
1.1	Cluster Contact Assembly suitable for 3200 Amps. capacity Air-Circuit Breaker	2	21595	Rupees Twenty One Thousand Five Hundred Ninety Five Only	Each	43190
1.2	Cluster Contact Assembly suitable for 2500 Amps. capacity Air-Circuit Breaker	3	14068	Rupees Fourteen Thousand Sixty Eight Only	Each	42204
1.3	Cluster Contact Assembly suitable for 800-1600 Amps. capacity Air-Circuit Breaker	6	7237	Rupees Seven Thousand Two Hundred Thirty Seven Only	Each	43422
2	Supplying, fixing, testing and commissioning of Spring Charging motor suitable for various capacity Air-Circuit Breaker of 'GE' make or equivalent make as required complete to the best satisfaction of Engineer-in-charge.					
2.1	Spring Charging motor for 3200 Amp ACB	2	53191	Rupees Fifty Three Thousand One Hundred Ninety One Only	Each	106382
3	Supplying, fixing, testing and commissioning of Spring Charging Handle with liver suitable for various capacity Air-Circuit Breaker of 'GE' make or equivalent make as required complete to the best satisfaction of Engineer-in-charge.					

3.1	Spring Charging Handle with liver for 3200 Amp ACB	1	6518	Rupees Six Thousand Five Hundred Eighteen Only	Each	6518
3.2	Spring Charging Handle with liver for 800-2500 Amp ACB	3	5188	Rupees Five Thousand One Hundred Eighty Eight Only	Each	15564
4	Supplying, fixing, testing and commissioning of rack in and rack out assembly suitable for various capacity Air-Circuit Breaker of 'GE' make or equivalent make as required complete to the best satisfaction of Engineer-in-charge.					
4.1	Rack in and Rack out assembly for 3200 Amp	1	18119	Rupees Eighteen Thousand One Hundred Nineteen Only	Each	18119
5	Supplying, fixing, testing and commissioning of Pole Assembly suitable for various capacity Air-Circuit Breaker of 'GE' make or equivalent make as required complete to the best satisfaction of Engineer-in-charge.					
5.1	Pole Assembly for 2500 Amp ACB	1	53153	Rupees Fifty Three Thousand One Hundred Fifty Three Only	Each	53153
5.1	Pole Assembly for 800-1600 Amp ACB	4	42724	Rupees Forty Two Thousand Seven Hundred Twenty Four Only	Each	170896
	Total					499448

Draft Schedule of estimate checked and approved by
for 499448/1

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- Providing electrical wiring for cassette type air conditioning system in demonstration hall, Lecture hall, Dissection hall in Ground floor and Research lab, Seminar Hall, Histology Lab in First floor of Anatomy Block at Dr. RPGMC Kangra at Tanda Distt. Kangra.							ESTIMATED COST: Rs.4,29,914/-only. EARNEST MONEY: Rs.8600/- only TIME ALLOWED: Three Months	
SR. NO.	DESCRIPTION	QTY.	job No / 7					
			FIGURES	RATES	WORDS	UNIT	AMOUNT	
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. Make :- Havells/Plaza/KEI/SCI							
1.1	2X4 sq. mm + 1X4 sq. mm earth wire	20	348.00	Rupees Three Hundred Forty Eight Only		P/Mtr	6960	
2	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.							
2.2	Makes:- L&T/Legrand/Schneider.	1	612.00	Rupees Six Hundred Twelve Only		Each	612	
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.							
3.1	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	30	1251.00	Rupees One Thousand Two Hundred Fifty One Only		P/Mtr	37530	
	Make :- KEI/Plaza/Anchor/SCI							
4	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 :- Polyfit/BEC/Diplast							
4.1	25mm	270	113.00	Rupees One Hundred Thirteen Only		P/Mtr	30510	
5	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.							

5.1	Armoured Cable 35 Sq.mm. (3.5 core)	11	560.00	Rupees Five Hundred Sixty Only	Each	6160
5.2	unarmoured Cable copper 6 Sq.mm. (4 core)	320	464.00	Rupees Four Hundred Sixty Four Only	P/Mtr	148480
	Make : KEI/Plaza/Havells/SCI					
6	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
6.1	2 x 4 sq. mm	215	179.00	Rupees One Hundred Seventy Nine Only	P/Mtr	38485
	Make : - KEI/Plaza/Anchor/SCI					
7	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.					
7.1	Triple Pole 63 Amp.,	24	1920.00	Rupees One Thousand Nine Hundred Twenty Only	Each	46080
	Makes:- L&T/Legrand/Schneider					
8	Supplying and fixing following way, TPN phase segregated DB, MCCB as incomer, DP RCCB/RCCBO as sub-incomer and SP/TP MCBs as outgoing, sheet steel, MCB distribution board, 415 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).					
8.1	TPN DB with MCCB incomer 4 way	1	12051.00	Rupees Twelve Thousand Fifty One Only	Each	12051
8.2	TPN DB with MCCB incomer 8 way	3	14940.00	Rupees Fourteen Thousand Nine Hundred Forty Only	Each	44820
	Makes:- L&T/Legrand/Schneider					
9	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.					

9.1	MCCB 125 Amp., 16 KA with Enclosure	4	7064.00	Rupees Seven Thousand Sixty Four Only	Each	28256
	Makes:- L&T/Legrand/Schneider					
10	Providing and fixing of following sizes of DLP PVC trunking with flexible cover fit onto the whole branch including in internal or external angles for distribution, the protection and the derivation of various cables in an electrical installation as required complete in all respects.					
10.1	Trunking : 105 x 50 mm	30	999.00	Rupees Nine Hundred Ninety Nine Only	P/Mtr	29970
	Make: L&T/Legrand/Schneider (Cat No. 0104 22)					
	Total					429914

Self checked by the authority checked and approved by 29/4/2014

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O New 120 Nos. Girls MBBS Hostel building at Dr. RPGMC Tanda in Distt. Kangra (H.P.).(SH:- Providing Fire Extinguishers therein).

Job No 18

ESTIMATED COST: Rs.3,50,404/-only.
EARNEST MONEY: Rs.7100/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing and fixing Carbon dioxide CO2 4.5 kg type fire extinguishers ISI mark. CE and EN Certified, consisting of seamless cylindrical body, squeeze lever discharge valve fitted with pressure indicating guage internal discharge tube, 30cms long high pressure discharge hoase, discharge nozzle, suspension bracket, confirming to IS: 15683 finished externally with red enamel paint and M S Wheel type complete with internal charge as required complete in all respects and to the best satisfaction of Engineer-in-charge.	16	13542	Rupees Thirteen Thousand Five Hundred Forty Two Only	Each	216672
2	Make: Minimax/Aska/ Zilpro Providing and fixing stored pressure vessel ABC 6 Kgs. Powder type fire extinguishers ISI mark. CE and EN Certified,consisting of seamless cylindrical body, squeeze lever discharge valve fitted with pressure indicating guage internal discharge tube, 30cms long high pressure discharge hoase, discharge nozzle, suspension bracket, confirming to IS: 15683 finished externally with red enamel paint and fixed to wall with brackets complete with internal charge.	6	7143	Rupees Seven Thousand One Hundred Forty Three Only	Each	42858
3	Make: Minimax/Aska/ Zilpro Providing & fixing of IS marked 15683 Water type 9 Litre (S/P) fire Extinguishers ISI mark. CE and EN Certified,cylindrical body, squeeze lever discharge valve fitted with pressure discharge hose, discharge nozzle, etc. finished externally with red enamel paint and fixed to wall with brackets complete with internal charges.	14	6491	Rupees Six Thousand Four Hundred Ninety One Only	Each	90874
	Make: Minimax/Aska/ Zilpro					
	Total					350404

Recd & schedule of quantity checked and approved
for 350404/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

NAME OF WORK :- R/M of E.I. to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HPPWD Palampur Distt. Kangra(H.P.).

Job No 19

ESTIMATED COST: Rs 2,43,820/-only.
EARNEST MONEY: Rs.4900/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing services on temporary basis of Store Clerk in the office of The Executive Engineer, Electrical Division, HPPWD Palampur after working hours 10.00 AM to 5.00 P.M. or as & when required by the office in charge.	365	668	Rupees Six Hundred Sixty Eight Only	Per Day	243820
	Total					243820

Terms And Condition:-

1	The agency shall have to provide services as required in schedule of work.
2	The services is required during normal working hours i.e. 10.00 AM to 5:00 PM or as required.
3	The services have to be provided as per the directions of office-in-charge.
4	The agency shall have to pay /provided minimum wages / rest / holiday as per HP State Govt. labour norms applicable for daily paid workers.
5	Nothing extra shall have to pay / issued on account of liberties, T&P soap, duster etc.
6	The services are required temporarily and can be terminated at any time without assigning any reason.
7	Nothing extra shall have to paid for absent period.
8	Nothing extra shall be made on monthly basis.
9	The staff shall have to report daily to concerned office in-charge.
10	Period of service depends upon the requirement of work and can be increased /decreased / terminated without assigning any reason.
11	The worker should be fully insured.

Draft schedule of quantity prepared and approved by 243820

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O Vet. Dispensary at Sullah in Tehsil Palampur
Distt. Kangra HP(SH:- Providing E I therein)

Job No 20

ESTIMATED COST: Rs.3,61,615/-only.
EARNEST MONEY: Rs.7300/-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.	44	1858	Rupees One Thousand Eight Hundred Fifty Eight Only	Per point	81752
	Havells/KEI/Plaza make					
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 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.	1	1929	Rupees One Thousand Nine Hundred Twenty Nine Only	Per point	1929
	Havells/KEI/Plaza make					
3	Providing and fixing LED Batten of 40 watt of to enhance the delight of with comfortable experience through its classic design & glare free illumination of makes as per cat. No. ZD-LTD010-40 Watt complete with connection testing, commissioning etc. as required in all respect with 5 years warranty					
	LED Batten light 40 W	14	2315	Rupees Two Thousand Three Hundred Fifteen Only	Each	32410

	Make Clair Cat. no. ZD-LTD010-40/ Bajaj/ Wipro						
4	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 years warranty						
	LED Surface mounting round downlighter 15 watt	6	2474	Rupees Two Thousand Four Hundred Seventy Four Only	Each	14844	
	Makes :- Wipro (Cat No :- LL20-281-xxx-AL-1/Philips/Bajaj)						
5	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 1200 mm sweep, Category-A BLDC without remote 5 star	10	4486	Rupees Four Thousand Four Hundred Eighty Six Only	Each	44860	
	Makes :- Ceiling Fan 1200 mm sweep, Category-A usha 5 Star, Philips, Bajaj						
6	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 $\geq$ 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.	5	1434	Rupees One Thousand Four Hundred Thirty Four Only	Each	7170	
	Makes :- Wipro (Cat No.:- LW07-141-XXX-57-G1) Philips/Bajaj.						
7	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	2334	Rupees Two Thousand Three Hundred Thirty Four Only	Each	14004
8	Supplying and fixing call bell/buzzer suitable for single phase, 230 volts, complete as required.	1	189	Rupees One Hundred Eighty Nine Only	Each	189
	Gold Medal/Anchor/SSK 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 3 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	14	591	Rupees Five Hundred Ninety One Only	Each.	8274
	L&T/Legrand/Schneider make					
10	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.	12	760	Rupees Seven Hundred Sixty Only	Each.	9120
	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.	70	478	Rupees Four Hundred Seventy Eight Only	P/Mtr.	33460
	Havells/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.	23	761	Rupees Seven Hundred Sixty One Only	P/Mtr.	17503
	Havells/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	54	401	Rupees Four Hundred One Only	P/Mtr.	21654
	2x6Sqmm+ 1 X 6 sq. mm earth wire	4	664	Rupees Six Hundred Sixty Four Only	P/Mtr.	2656
	Havells/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	30	172	Rupees One Hundred Seventy Two Only	P/Mtr.	5160	
	Havells/KEI/Plaza make						
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)						
	Double door-12 way	2	2332	Rupees Two Thousand Three Hundred Thirty Two Only	Each	4664	
	L&T/Legrand/Schneider make						
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:-						
	6 Amp Single pole. Cat-A.	7	268	Rupees Two Hundred Sixty Eight Only	Each	1876	
	16 Amp Single pole. Cat-A.	12	268	Rupees Two Hundred Sixty Eight Only	Each	3216	
	L&T/Legrand/Schneider make						
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.						
	63 Amps. Cat-A.	2	633	Rupees Six Hundred Thirty Three Only	Each	1266	
	L&T/Legrand/Schneider make						

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 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	63 Amps. Cat-A.	2	3620	Rupees Three Thousand Six Hundred Twenty Only	Each	7240
	L&T/Legrand/Schneider make					
19	Supplying , Erection , installation and commissioning of Uniearth Maintenance free chemical earthing system consisting of environment friendly ground enhancing compounding G E C 50 kg. or as required at site having anticorrosive and hygroscopic properties to replace excavated soil . It should consist of Uniearth Copper bonded electrodes , as per site conditions and soil resistivity at various depth levels and different terrains . The electrodes should having coating of 250 microns of molecularly bonded pure electrolytic copper (99.9%) in 2 meter lenght. 17.2 mm diameter , Terminal joint 200x25x6mm GI strip with exothermic welds . The electrode should be duly tested and certified by CPRI for 30kA short time current test for 1 Sec rms	2	23209	Rupees Twenty Three Thousand Two Hundred Nine Only	P/Set	46418
20	Supplying and laying 8 SWG Copper wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	25	78	Rupees Seventy Eight Only	Each	1950
	Total					361615

Back schedule of quantity checked and approved by 361615/2

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- C/O Veterinary Phamasist Residence at NouraTehsil
Palampur Distt. Kangra (H.P.) (Sh:- Pdg. E.I there in)

job No 21

ESTIMATED COST: Rs.62,338/-only.
EARNEST MONEY: Rs.1300/-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 B.	10	1048	Rupees One Thousand Forty Eight Only	Per point.	10480
	SC/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	3	761	Rupees Seven Hundred Sixty One Only	Each	2283
	Make Crompton Cat. no. CCS-100-20-65-HL2-DP-NWH/ Bajaj/ Wipro					
3	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	1	3191	Rupees Three Thousand One Hundred Ninety One Only	Each	3191
	Makes :-Ceiling Fan 1200 mm sweep, Category-A usha Technix Plus 3 Star,Philips,Bajaj					
4	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)	2	2269	Rupees Two Thousand Two Hundred Sixty Nine Only	Each	4538
5	Supplying and fixing call bell/buzzer suitable for single phase, 230 volts, complete as required.	1	187	Rupees One Hundred Eighty Seven Only	Each	187
	Gold Medal/Ankor /SSK make					
6	Supplying and fixing PVC Batten Holder /Angle holder including connection etc. as required	3	92	Rupees Ninety Two Only	Each	276
	Gold Medal/Ankor /SSK make					
7	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.	2	582	Rupees Five Hundred Eighty Two Only	Each.	1164
	L&T/Legrand/Schneider 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 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	3	750	Rupees Seven Hundred Fifty Only	Each.	2250
	L&T/Legrand/Schneider make					
9	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.	15	473	Rupees Four Hundred Seventy Three Only	P/Mtr.	7095
	SCI/KEI/Plaza make					

10	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.	17	755	Rupees Seven Hundred Fifty Five Only	P/Mtr.	12835
	SCI/KEI/Plaza make					
11	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	20	395	Rupees Three Hundred Ninety Five Only	P/Mtr.	7900
	2x6Sqmm+ 1 X 6 sq. mm earth wire	1	657	Rupees Six Hundred Fifty Seven Only	P/Mtr.	657
	SCI/KEI/Plaza make					
12	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	10	171	Rupees One Hundred Seventy One Only	P/Mtr.	1710
	SCI/KEI/Plaza make					
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, neutral link, earth bar, din-bar, interconnections, powder painted, including earthing etc. as required:- (But without MCB/RCCB/Isolator)					
	Double door-12 way	1	2309	Rupees Two Thousand Three Hundred Nine Only	Each	2309
	L&T/Legrand/Schneider make					
14	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.	1	265	Rupees Two Hundred Sixty Five Only	Each	265
	16 Amp Single pole. Cat-A.	3	265	Rupees Two Hundred Sixty Five Only	Each	795
	L&T/Legrand/Schneider make					
15	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
	L&T/Legrand/Schneider make					
16	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.					
	40 Amps. Cat-A.	1	2715	Rupees Two Thousand Seven Hundred Fifteen Only	Each	2715
	L&T/Legrand/Schneider make					
17	Supplying and laying 6 SWG G.I wire at 0.50 mtr below ground level for earth electrode conductor including soldering etc.as required	30	40	Rupees Forty Only	Per Mtr	1200
	L&T/Legrand/Schneider make					
	Total					62338

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Repair, Servicing & Comprehensive Maintenance of different types air-conditioning units installed in the Data Centre Library, Sub-distribution in Administration block, Green rooms in Auditorium building & Old Lecture Hall-I & II near Guest House Dr. RPGMC Kangra at Tanda for the year 2023-24.

Job No *22*

ESTIMATED COST: Rs.94,500/-only.
EARNEST MONEY: Rs.1900/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair, servicing & comprehensive Maintenance of Split Air-Conditioning Units having following capacity including maintenance of voltage stabilizer and all other accessories extra copper pipes with sleeves, drain pipe, wire, insulation and battens etc. with servicing, cleaning the filters, charging/topping up of refrigerant/R-22 Gas when required throughout the year including replacement of the compressor of A.C. units which are beyond repair. The repair and maintenance has been done as per instructions and directions to the best satisfaction of Engineer-in-charge.					
	Split type A.C. units 2 T.R capacity	21	4500	Rupees Four Thousand Five Hundred Only	Each	94500
	Total					94500

Draft schedule of quantity checked and approved with 94500/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Repair and Maintenance of E.I. to various Govt. Residential Buildings under ESD Dharamshala Distt. Kangra. (SH: Replacement of Old and damaged LED Tube fixtures, Exhaust fans, Geysers in The residences of SE Mechanical, AE Mechanical, Accountant B&R and AE Design of Chief office at Dharamshala.

job No **23**

ESTIMATED COST: Rs.76,799/-only.
EARNEST MONEY: Rs.1600/-only
TIME ALLOWED: Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. Make :- Anchor/ Legrand/L&T					
1.01	S.P. 5/ 6 Amps one way switch, piano type.	17	44	Rupees Forty Four Only	Each	748
1.02	S.P. 15/16 Amps one way switch, porcelain base/ piano type.	5	135	Rupees One Hundred Thirty Five Only	Each	675
1.03	5 pin 5/ 6 Amps socket outlet, porcelain base/ piano type.	6	71	Rupees Seventy One Only	Each	426
1.04	6 pin 15/16 Amps socket outlet, porcelain base/ piano type.	6	146	Rupees One Hundred Forty Six Only	Each	876
2.00	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required.- Make :- Anchor/Gold Medal/SSK	2	187	Rupees One Hundred Eighty Seven Only	Each	374
3.00	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
3.01	63 Amps. (Make:- Schneider/ Legrand/L&T)	2	616	Rupees Six Hundred Sixteen Only	Each	1232

4.00	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:-					
4.01	25 Liter capacity water heater (Cat-A) Makes: Usha/Bajaj/Racold	4	10250	Rupees Ten Thousand Two Hundred Fifty Only	Each	41000
5.00	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.					
5.01	Exhaust Fan, Light duty, (Domestic) 225 mm sweep Makes: Bajaj/Usha/Crompton	4	1945	Rupees One Thousand Nine Hundred Forty Five Only	Each	7780
6.00	Providing and fixing LED tube fixture (including the cost of Batten/channel and LED Lamp) suitable for surface application with the use of the latest technology 18 watt (1800 Lumen) 6000K and it should be compatible with specification i.e. Power Factor ≥ 0.9 , Harmonic Distortion $\leq 10\%$ and efficacy ≥ 100 Lumens per watt, CRI rating > 80 suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required. with 5 year warranty. Makes: Havells/ Bajaj/ Philips /Mipro.	12	945	Rupees Nine Hundred Forty Five Only	Each	11340
7.00	Supplying and fixing LED lamps of Following watt with polycarbonate diffuser on the existing light point as required complete in all respect . Make :- OSRAM/Philips/Bajaj					
7.01	LED Lamp 12 watt	20	201	Rupees Two Hundred One Only	Each	4020

8.00	Supplying and drawing copper conductor, multicore cable in the existing surface/ recessed steel/ PVC conduit as required complete in all respects. Make :- KEI/Havells/Anchor					
8.01	Three core 2.5 Sq mm	45	160	Rupees One Hundred Sixty Only	Each	7200
9.00	Supplying and fixing brass batten/ angle holder including connection etc. as required. Make:- GoldMedal/SSK/Anchor.	12	94	Rupees Ninety Four Only	Each	1128
	Total					76799

Do not schedule of quantity checklist and approved for 76799/-

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Providing of geysers in 02 Nos. newly built sets of HP PWD Guest House above HPPWD (B&R) Sub Division Tanda in Distt. Kangra (H.P.)

Job No. 24

ESTIMATED COST: Rs.20,596/-only.
EARNEST MONEY: Rs.500/-only
TIME ALLOWED: One Month

SR. NO.	DESCRIPTION	QTY.	FIGURES		RATES		UNIT	AMOUNT
					WORDS			
1	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion bolts in the wall, making good the damages, electrical connections, testing etc. complete as required							
	25 Liter capacity water heater (Cat-A)	2	10298.00		Rupees Ten Thousand Two Hundred Ninety Eight Only		Each	20596
	Total							20596

Bolt schedule quantity checked and approved
July 20, 2016

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Repair & Maintenance of 01 No. 62.5 KVA D.G. Set installed at Civil Hospital Chowari for one year w.e.f 2024-25 in Tehsil Bhattiyat District Chamba (H.P)

Job No 25

**ESTIMATED COST: Rs.86,553/-only.
EARNEST MONEY: Rs.1800/-only
TIME ALLOWED: One Year**

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair and maintenance of DG Set 62.5 KVA with providing servicing and replacing of all types of filters, i.e. separator water filter, pre-filter, lubricant oil filter, coolant, lubricant oil etc. including minor parts replacement during emergency and AMF panel breakdown complete in all respects as required testing, commissioning etc. and to the best satisfaction of Engineer-in-charge.					
	Kit-3238622 B check Kit 01 Set.	1	66461	Rupees Sixty Six Thousand Four Hundred Sixty One Only	Per Year	66461
	0149-1914-01 Air cleaner element 01 No.					
	Coolant 05 Liters					
	Lubricant Oil 15 Liters					
2	Supplying, erection, testing & commissioning of battery having following capacity sealed maintenance free-lead acid battery with suspended electrolyte (leak proof) suitable for different capacities DG Sets, as required complete in all respects and to the best satisfaction of Engineer-in-Charge.					
	12 Volt Battery 100 Ah	1	20092	Rupees Twenty Thousand Ninety Two Only	Each	20092
	Make : Exide (Ax 1012844)/Amaron Quanta/Luminous.					
	Total					86553

Draft schedule of quantity checked and approved by 86553 I

Executive Engineer
Electrical Division
HPPWD Palampur

SCHEDULE OF QUANTITY

Name of Work :- Repair & Maintenance of 01 No. 125 KVA D.G. Set installed at PSA Plant Civil Hospital Chowari for one year w.e.f 2024-25 in Tehsil Bhattiyat District Chamba (H.P)

job No 26

ESTIMATED COST: Rs.95,551/-only.
EARNEST MONEY: Rs.2000/-only
TIME ALLOWED: One Year

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair and maintenance of DG Set 125 KVA with providing servicing and replacing of all types of filters, i.e. separator water filter, pre-filter, lubricant oil filter, coolant, lubricant oil etc. including minor parts replacement during emergency and AMF panel breakdown complete in all respects as required testing, commissioning etc. and to the best satisfaction of Engineer-in-charge.					
	Kit-3238622 B check Kit 01 No.	1	75459	Rupees Seventy Five Thousand Four Hundred Fifty Nine Only	Per Year	75459
	0149-1914-01 Air cleaner element 01 No.					
	 Coolant 05 Liters					
	 Lubricant Oil 20 Liters					
2	Supplying, erection, testing & commissioning of battery having following capacity sealed maintenance free-lead acid battery with suspended electrolyte (leak proof) suitable for different capacities DG Sets, as required complete in all respects and to the best satisfaction of Engineer-in-Charge.					
	12 Volt Battery 100 Ah	1	20092	Rupees Twenty Thousand Ninety Two Only	Each	20092
	Make : Exide (Ax 1012844)/Amaron Quanta/Luminous.					
	Total					95551

Draft scheduled quantity checked and approved
for 95551/- only

Executive Engineer
Electrical Division
HPPWD Palampur