

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

No.: PW/EDP/CB/TA/CONT/2022-23/-6369-77

Dated: 11/10/2022

To

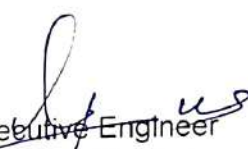
The Executive Engineer (IT Cell),  
Nigam Vihar, Shimla-2.

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-26<sup>th</sup> 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, 2<sup>nd</sup> 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 item rate tenders on form 6&8 are hereby invited by the Executive Engineer, Electrical Division, HP PWD Palampur on behalf of the Governor of H.P. for the following work from the approved and eligible contractors enlisted in HP.PWD, (Elect.) whose registration stood renewed as per revised rules and also registered under the H.P. General Sales Tax Act. 1968 so as to reach in his office on or before **31-10-2022** up to 11.00 AM, and the same shall be opened on the same day at 11.30 A.M. in the presence of intending contractors or their authorized representatives. The tender documents can be had from [hppwd.gov.in](http://hppwd.gov.in).

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

**Conditions:**

1. The contractor should have the EPF No. from the competent authority, failing which no tender form will be issued.
2. The contractor should be registered as a dealer under GST and should produce GST registration certificate.
3. The contractor should produce a copy of latest enlistment/renewal.
4. The bidders enlisted in a particular class shall be eligible to tender for his own class or one step below.
5. The bidder should attach authorization and work done certificate with application for Specialized Jobs.

Sr. No	Name of Work	Estimated Cost	Earnest Money	Time Limit	Form No.	Cost of Form
1	C/o combined office building at Fatehpur in Tehsil Fatehpur, Distt. Kangra (H.P.)(SH:- Providing E.I. therein)(SH:- Supplying and Conduit pipe in Ground Floor therein).	351948/-	7100/-	Two Months	8	350/-
2	R/o (Running and Operation) of HVAC System installed in 500 Bedded Hospital Dr. RPGMC Kangra at Tanda w.e.f. 18-01-2023 to 02-06-2023.	457920/-	10000/-	Six Months	8	350/-
3	C/o Additional accommodation in Govt. Degree College at Baroh in Distt. Kangra (H.P.)(SH:- Supplying and laying of Conduit pipe therein).	265200/-	5400/-	Two Months	8	350/-
4	C/o Public Health Centre at Naganpatt in Tehsil and Distt. Kangra(H.P.)(SH:- Providing E.I. therein).	487695/-	9800/-	One Year	8	350/-
5	Replacement of old and damaged light fixtures with LEDs in Stairs area including ramp and corridors of 500 bedded hospital Dr. RPGMC Kangra at Tanda.	468725/-	9400/-	Two Months	8	350/-
6	Repair and Maintenance of VRV Air Conditioning system installed in Burn ward Building of Dr. RPGMC Kangra at Tanda Distt. Kangra(H.P)	149677/-	3000/-	Two Months	8	350/-
7	Dismantling re-installation, testing and commissioning of 1.5/2.0 TR capacity Split /Window type Air- conditioning units and replacement of damaged copper tubes, gas charging etc. to various air -conditioning units installed in 500 bedded Hospital Dr. RPGMC Kangra at Tanda.	214370/-	4300/-	Two Months	8	350/-
8	Running and Operation of E.I. to various Govt. Non-Residential buildings in Dr. RPGMC Kangra at Tanda.(SH:- Engagement of E.I .Maintenance staff i.e. Electrician -II in Main control area,	374400/-	7500/-	Five Months	8	350/-



	basement floor of 500 bedded hospital and para Medical Block of Dr. RPGMC Kangra at Tanda for the Five months (w.e.f.) January 2023-May 2023)					
9	Running and Operation of E.I. to various Govt. Non-Residential buildings in Dr. RPGMC Kangra at Tanda (SH:- Engagement of E.I. Maintenance staff i.e. T-Mate (Electrical) in General Ward, Special /PVT. Ward, Faculty Block, M.S. Office and Casualty Block of 500 bedded hospital and para Medical Block of Dr. RPGMC Kangra at Tanda for the Five months (w.e.f.) January 2023-May 2023)	413250/-	8300/-	Five Months	8	350/-
10	Running and Operation of E.I. to various Govt. Non-Residential buildings in Dr. RPGMC Kangra at Tanda (SH:- Engagement of E.I. Maintenance staff i.e. T-Mate (Electrical) in Treatment Block-5, Service Block-4, Maternity Block-6 and OPD Block-1 of 500 bedded hospital and para Medical Block of Dr. RPGMC Kangra at Tanda for the Five months (w.e.f.) January 2023-May 2023)	413250/-	8300/-	Five Months	8	350/-
11	C/o Additional Accommodation for Govt. Sr. Sec. School Lag Baliana, Distt. Kangra (HP). (2 Rooms in Ground Floor With Verandah) (SH:- Providing E.I. therein).	127895/-	2600/-	One Year	8	350/-
12	C/o Govt. Senior Secondary School Building at Sahla in Tehsil Bhattiyat and District Chamba (H.P.) Under RMSA (SH:- Providing E.I. in 2 No. Classroom, Store, Verandah i.e. Stair case.)	139530/-	2800/-	One Month	8	350/-
13	Construction of Public Parking (Shopping Complex) in HPPWD Sub Division Holi in Distt. Chamba (H.P.) (SH:- Providing E.I. therein).	290120/-	5800/-	Six Months	8	350/-
14	Replacement of switchgear system into new one 2 No Suit for SRU Moti Tibba in Tehsil Dalhousie Distt. Chamba (H.P.)	299973/-	6000/-	Six Months	8	350/-
15	C/O Govt. Degree College at Matour in Distt. Kangra (H.P.) (SH:- Supplying and laying of Conduit pipe in Ground, First floor & Second floor therein).	472200/-	10000/-	Six Months	8	350/-
16	C/O Additional accommodation for newly upgraded 100 bedded Civil Hospital at Shahpur, Tehsil Shahpur Distt. Kangra (H.P.) (SH:- Supplying and laying Conduit pipe in Second & Third floor therein).	263825/-	5300/-	Three Months	8	350/-
17	C/O Additional Accommodation for newly upgraded 50 bedded Civil Hospital at Jawali Distt. Kangra (HP) (SH:- Providing E.I. therein) (SH:- Supplying and laying conduit pipe in GF, FF, & SF therein).	419543/-	8400/-	One Month	8	350/-
18	C/O Govt. Arya Degree College at Nurpur in Tehsil Nurpur, Distt. Kangra, HP. (SH:- Providing E.I. therein) (SH:- Supplying and laying conduit pipe in First & Second floor therein).	359576/-	7200/-	One Month	8	350/-
19	C/O Shaheed Surinder Singh Govt. I.T.I Building (Block-B) at Jawali Distt. Kangra (HP) (SH:- Providing E.I. therein) (SH:- Supplying and laying conduit pipe in GF, FF, & SF therein).	442591/-	8900/-	One Month	8	350/-

20	C/O Govt. Degree College at Rey in Tehsil Fatehpur , Distt. Kangra (H.P)(SH:- Providing E.I. therein)(SH:- Supplying and laying Conduit Pipe in Basement Floor & Ground Floor therein).	302919/-	6100/-	Two Months	8	350/-
21	C/O Additional Block of 100 Bedded Civil Hospital at Nurpur Distt. Kangra (H.P)(SH - Providing E.I. therein)(SH:- Supplying and laying conduit pipe in GF & FF therein).	442591/-	8900/-	One Month	8	350/-
22	Replacement of Old Heating Points ,Light Points, Tube Fixture and Sub main Control into new one at HRTC Building Patti in Tehsil Bharmour Distt. Chamba (H.P)	108188/-	2200/-	Six Months	8	350/-
23	C/O Ware House for Storage of Electronic Voting Machine EVMs and VVPATs at Chamba Distt Chamba (H.P)(SH:- Balance work of Fire Fighting System therein).	388698/-	7800/-	Three Months	8	350/-

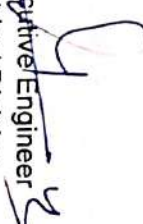
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## SCHEDULE OF QUANTITY

NAME OF WORK : C/O Combined office building at Fatehpur in Tehsil Fatehpur, Distt. Kangra, HP (S.H.-: Providing E.I. therein) (SH:- Supplying and laying Conduit Pipe in Ground Floor therein )				Job No 1		ESTIMATED COST: Rs.3,51,948/-only. EARNEST MONEY: Rs.7100/-only TIME ALLOWED: Two Months	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT	
			FIGURES	WORDS			
	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. 1 Make: BEC, Finolux						
i)	25 mm. dia	800			Meter		
ii)	40 mm. dia	75			Meter		
	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. Make: BEC, Diplast,						
2	Finolux						
i)	25 mm. dia	500			Meter		
	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. Make: Anchor, L&T, Havells						
3	4 Module (125mmX75mm)	10			Each		
i)	6 Module (200mmX75mm)	8			Each		
ii)	8 Module (125mmX125mm)	8			Each		
iii)	12 Module (200mmX150mm)	20			Each		
iv)							

	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator) Make: 4 L&T, Legrand, Schneider.						
i)	8 way , Double door	1				Each	
ii)	12 way , Double door	3				Each	
iii)	16 way , Double door	3				Each	
	<b>Total</b>						

  
 Executive Engineer  
 Electrical Division  
 HPPWD, Balampur

## SCHEDULE OF QUANTITY

NAME OF WORK : R/O (Running and Operation ) of HVAC System installed in  
500 Bedded Hospital Dr. RPGMC Kangra at Tanda w.e.f 18-01-2023 to 02-06-23.

Job No 2

ESTIMATED COST: Rs.4,57,920/-only.  
EARNEST MONEY: Rs.10000/-only  
TIME ALLOWED: Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Engagement of Electrician -I for running and operation of HVAC System.	2			4.5	
2	Engagement of Assistant -Cum-Operator for running and operation of HVAC System.	3			4.5	
Total						

  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur



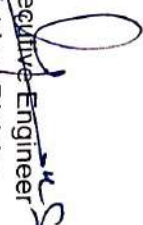
## SCHEDULE OF QUANTITY

**NAME OF WORK :** C/o Additional accommodation in Govt. Degree College at Baroh in Distt. Kangra (H.P.) (SH:- Supplying and laying of Conduit pipe therein)

**Job No 3**

**ESTIMATED COST:** Rs.2,65,200/-only.  
**EARNEST MONEY:** Rs.5400/-only  
**TIME ALLOWED:** Two Months

SR. NO.	DESCRIPTION	QTY.	FIGURES		RATES		UNIT	AMOUNT
						WORDS		
1	Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required:-							
1.1	25 mm. dia	960					Per Meter	
1.2	40 mm. dia	20					Per Meter	
	Make: BEC/AKG/JPC							
	Total							

  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur

## SCHEDULE OF QUANTITY

NAME OF WORK : C/o Public Health Centre at Naganpatti in Tehsil and Distt. Kangra (H.P)(SH:- Providing E.I. therein).			Job No 4		ESTIMATED COST: Rs.4,87,695/-only. EARNEST MONEY: Rs.9800/-only TIME ALLOWED: One Year	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.					
	Group A	21			Per Point	
	Group B	26			Per Point	
	Group C	32			Per Point	
	Makes:- L&T(Entice)/Legrand(Myrius)/Schneider(Opale)/SCI					
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.					
2.1	2x2.5 Sq. mm.	90			Per Meter	
2.2	2x4.0 Sq. mm.	130			Per Meter	
2.3	2x10 Sq. mm.	1			Per Meter	
	Makes:- KEI / Anchor / Finolex/SCI					
3	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. (4X4+2X4)HRRFRLS/PVC insulated single core copper conductor cable for earthing as required.	65			Per Meter	

	<b>Makes:- KEI / Anchor / Finolex/SCI</b>					
4	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. 3x2.5 Sq. mm.	40			Per Meter	
	<b>Makes:- KEI / Anchor / Finolex/SCI</b>					
5	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 5 pin 5/6 amps modular socket outlet and 5/6 amps, modular switch, connections etc. as required.	33			Each	
	<b>Makes:- L&amp;T / Legrand / Schneider</b>					
6	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.	19			Each	
	<b>Makes:- L&amp;T / Legrand / Schneider</b>					
7	Supplying and fixing call bell/ Ding-dong suitable for single phase, 230 volts, complete as required.	3			Each	
	<b>Makes:- Anchor / Goldmedal/ Havells</b>					
8	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required:-					
	8 modules	2			Each	
9	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.					
9.1	S.P. 5/ 6 Amps one way Modular switch.	4			Each	
9.2	5 pin, 5/ 6 Amps Modular socket outlet.	6			Each	
10	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:- Single Pole. Cat-A.	8			Each	
	<b>Makes:- L&amp;T / Legrand / Schneider</b>					



11	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
	40A Double pole. Cat-A.	3				Each	
	<b>Makes:- L&amp;T / Legrand / Schneider</b>						
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.	3				Each	
	<b>Makes:- L&amp;T / Legrand / Schneider</b>						
13	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:-						
	Double door-16 way	3				Each	
	<b>Makes:- L&amp;T / Legrand / Schneider</b>						
14	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	3				Per Set	
15	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	30				Per Meter	
16	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:-	7				Each	
	Exhaust Fan. Light duty, (Domestic) 300 mm sweep						
	<b>Makes: Usha / Bajaj / Crompton Greaves</b>						

17	Providing and fixing of LED Bulkhead 10W +/- 1W with minimum system lumen efficacy of 100 lm/W with and P.F. >0.95 with THD<10%, CCT 5700 K, CRI 70, surge protection 4 kV. The LED with useful life of 50000 hrs. at L70. The input voltage range shall be 150V to 270V as required.							
	LED Bulk Head 10 Watt	9					Each	
	<b>Makes: Wipro/Panasonic/Havells</b>							
18	Providing, Installation, testing and commissioning of ceiling fan with step type electronic regulator, including wiring the down rods of standard length (up to 30 cm) with 16/0.20 mm twin twisted flexible, cotton braided, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required:-							
	Ceiling Fan 1200 mm sweep, Cat-A	16					Each	
	<b>Makes: Usha / Bajaj / Crompton Greaves</b>							
19	Providing and installation of LED fixture 18W +/- 1W LED square/round surface downlighter with minimum system lumen efficacy of 85 lm/W with and P.F. >0.95 with THD<20%, CCT 6000 K, CRI 80. The LED with useful life of 50000 hrs. at L70. The input voltage range shall be 150V to 270V as required.							
	LED Surface mounting Square/Round downlighter 18 Watt	4					Each	
	<b>Makes: Wipro/Panasonic/Havells</b>							
20	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 18Watt (1800 lumen) 6500K and it should be compatible with specifications i.e. power factor ≥ 0.9, harmonic distortion ≤ 10% and efficacy ≥ 100 lumens per watt, CRI > 80, suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 18 Watt complete with all accessories, connections, testing and commissioning etc. as required.							
	18 Watt LED Tube Fixture							
	<b>Makes: Wipro/Bajaj/Havells</b>	5					Each	



21	Providing and fixing decorative LED mirror light having high quality design suitable for LED tube up to 10Watt (1000 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz, complete with all accessories, connections, testing and commissioning etc. as required.					
	10 Watt LED Mirror Light, 2 feet					
	<b>Makes: Havells/ Bajaj/ Osram</b>	2				Each
22	Providing and installation of LED fixture 1200mm x 300mm, 36W +/- 1W surface mounted with PMMA diffuser with having minimum system lumen efficacy of 100 lm/W with CRCA housing and P.F. $> 0.95$ with THD $< 10\%$ , CCT 5700 K, CRI 80. The LED shall be tested with LM80-08 standard with useful life of 50000 hrs. at L70. The input voltage range shall be 150V to 270V as required.					
	36 Watt Surface mounted Panel-1'X4'	2				Each
	<b>Makes: Wipro/Panasonic/Havells</b>					
23	Supplying and fixing 45W LED street light made up of pressure die cast housing with TOUGHENED GLASS and IP66 protection including connections, testing etc. as required complete in all respects.					
	45W LED Street Light					
	<b>Makes: Wipro/Panasonic/Havells</b>	1				Each
	<b>Total</b>					


  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur



## SCHEDULE OF QUANTITY

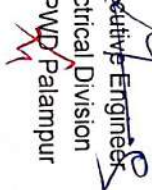
NAME OF WORK : Replacement of old and damaged light fixtures with LEDs in Stairs area including ramp and corridors of 500 bedded hospital Dr. RPGMC Kangra at Tanda.			Job No 5		ESTIMATED COST: Rs.4,68,725/-only. EARNEST MONEY: Rs.9400/-only TIME ALLOWED: Two Months	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Providing and installation of LED fixture 18W +/- 1W LED round/square surface mounted downlighter with minimum system lumen efficacy of 85 lm/W with and P.F. >0.95 with THD <20%, CCT 6000K, CRI 80. The LED with useful life of 50000 Hrs. at L70. The input voltage range shall be 150V as required complete with connections, testing etc.					
1.1	Square/round LED 18W Surface	151			Each	
1.2	Square/round LED 18W Recess	8			Each	
	<b>Makes:- Panasonic/Wipro/Havells</b>					
2	Providing and fixing of LED fixture 300mm x 300mm 24Watt +/- 1W Surface mounted having minimum system lumen efficacy of 100lm/W with with CRCA housing and PMMA diffuser with P.F. >0.95, THD<10%, CCT 5700K, CRI 80. The LED shall be tested with LM80-08 standard with useful life of 50000 hrs. at L70. The input voltage range shall be 150V as required complete with connections, testing etc.					
	24 Watt LED 1'x1' Surface panel	57			Each	
	<b>Makes:- Panasonic/Wipro/Havells</b>					

3	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 18Watt (1800 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 18 Watt complete with all accessories, connections, testing and commissioning etc. as required. complete in all respects.						
	18 Watt LED Tube fixture	4				Each	
	Makes:- Bajaj/Wipro/Havells						
	Total						

  
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## SCHEDULE OF QUANTITY

NAME OF WORK :- Repair & Maintenance of VRV Air Conditioning system installed in Burn ward building of Dr. RPGMC Kangra at Tanda Distt. Kangra (H.P).		job No 6		ESTIMATED COST: Rs 1,49,677/-only. EARNEST MONEY: Rs.3000/-only TIME ALLOWED:Two Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Repair and maintenance of VRV Air Conditioning system with providing servicing and overhauling of outdoor units with wet servicing, Repairing of burnt out/damaged control wiring inside the units, Replacement of main and transmission Boards, Replacement of sensor sets, Charging and top up of refrigerant R 410 etc. complete in all respects as required testing, commissioning etc. and to the best satisfaction of Engineer-in-charge.	1			Job	
Total						

  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur



## SCHEDULE OF QUANTITY

NAME OF WORK :- Dismantling, re-installation, testing and commissioning of 1.5/2.0 TR capacity Split / Window type Air-conditioning units and replacement of damaged copper tubes, gas charging etc. to various air-conditioning units installed in 500 bedded Hospital, Dr. RPGMC Kangra at Tanda.					ESTIMATED COST: Rs 2,14,370/-only. EARNEST MONEY: Rs.4300/-only TIME ALLOWED: Two Months	
SR. NO.	DESCRIPTION	QTY.	job No 11		UNIT	AMOUNT
			FIGURES	RATES WORDS		
1	Dismantling, re-installation, testing and commissioning of 1.5/2 Ton capacity split / Window type air-conditioning outdoor units as required complete in all respects and as per directions of Engineer-in-charge.	18			Each	
2	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 directions of Engineer-in-charge.	59			Per Meter	
3	Supplying & fixing of extra copper tubes for refrigerant and condensate in following capacity A.C. units of following required size with insulation and wiring with suitable size of HRFRLS copper conduction single core as required complete in all respects.					
3.1	Copper tubing 5/8" - 1/4"	54			Per Meter	
4	Replenishment/charging/topping-up of refrigerant R-22(Gas) in 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.	9			Per Kg	
5	Nitrogen testing and vacuumization as required complete in all respects and to the best satisfaction of Engineer-in-charge.	14			Each	
Total						

  
 Executive Engineer  
 Electrical Division  
 HPPW/Palampur

## SCHEDULE OF QUANTITY

<b>NAME OF WORK :-</b> Running Operation of E.I. to various Govt. Non-Residential buildings in Dr. RPGMC Kangra at Tanda. (SH: Engagement of E.I. Maintenance staff i.e. Electrician-II in main control area, basement floor of 500 bedded hospital and Para Medical Block of Dr. RPGMC Kangra at Tanda for the Five months (w.e.f. January 2023-May 2023)			<b>job No 128</b>		<b>ESTIMATED COST: Rs 3,74,400/-only.</b> <b>EARNEST MONEY: Rs.7500/-only</b> <b>TIME ALLOWED: Five Months</b>	
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Engagement of Electrician-II for Running Operation and Maintenance of Electrical installation in various Wards/Blocks of 500 Bedded Hospital of Dr. RPGMC Kangra at Tanda under the control of Electrical Sub-Division HP PWD Tanda, daily the three number shifts round the clock of required Electrician-II for Five Months as per instructions and directions of Engineer-in-charge.					
(i)	Electrician-II for Five Month	4			Five Months	
	<b>Total</b>					
<b>Terms And Condition:-</b>						
1	The agency shall have to provide services as required in schedule of work.					
2	The services are required daily three number shifts round the clock i.e. twenty four hours (shift wise) or as required.					
3	The services have to be provided as per the directions of Engineer-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	The agency shall have to pay /provided minimum wages / rest / holiday as per HP State Govt.labour norms applicable for daily paid workers.					
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 the concerned Engineer-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.					

  
**Executive Engineer**  
 Electrical Division  
 HPPWD Palampur




## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Running Operation of E.I. to various Govt. Non-Residential buildings in Dr. RPGMC Kangra at Tanda. (SH: Engagement of E.I. Maintenance staff i.e.T-Mate(Electrical) in General Ward, Special/ PVT. Ward, Faculty Block, M.S. Office and Casualty Block of 500 Bedded Hospital Dr. RPGMC Tanda for Five months (w.e.f. January 2023-May 2023)

job No 29

**ESTIMATED COST:** Rs 4,13,250/-only.  
**EARNEST MONEY:** Rs.8300/-only  
**TIME ALLOWED:** Five Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Engagement of T-mate(Electrical) for Running Operation and Maintenance of Electrical installation in various buildings of Dr. RPGMC Tanda under the control of Electrical Sub-Division HP PWD Tanda, i.e. five numbers T-mate(Electrical) daily three number shifts round the clock for Five months as per instruction and direction of Engineer-in-charge.					
(i)	T-Mate(Electrical) for Five Months.	5			Five Months	
	<b>Total</b>					
<b>Terms And Condition:-</b>						
1	The agency shall have to provide services as required in schedule of work.					
2	The services are required daily three number shifts round the clock i.e. twenty four hours (shift wise) or as required.					
3	The services have to be provided as per the directions of Engineer-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 the concerned Engineer-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.					

  
**Executive Engineer**  
 Electrical Division  
 HPPWD Palampur



## SCHEDULE OF QUANTITY

NAME OF WORK :- Running Operation of E.I. to various Govt. Non-Residential buildings in Dr. RPGMC Kangra at Tanda. (SH: Engagement of E.I. Maintenance staff i.e. T-Mate (Electrical) in Treatment Block - 5, Service Block - 4, Maternity Block - 6 and OPD Block -1 of 500 Bedded Hospital Building in Dr. RPGMC Tanda for Five Months (w.e.f January 2023 -May 2023)		job No 10		ESTIMATED COST: Rs 4,13,250/-only. EARNEST MONEY: Rs.8300/-only TIME ALLOWED: Five Months		
SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Engagement of T- Mate(Electrical) for Running Operation and Maintenance of Electrical installation in various buildings of Dr. RPGMC Tanda under the control of Electrical Sub-Division HP PWD Tanda, i.e. five numbers T-Mate (Electrical) daily three number shifts round the clock for Five Months per instruction and direction of Engineer-in-charge.					
(i)	T-Mates(Electrical) for five months	5			Five Months	
	Total					
Terms And Condition:-						
1	The agency shall have to provide services as required in schedule of work.					
2	The services are required daily three number shifts round the clock i.e. twenty four hours (shift wise) or as required.					
3	The services have to be provided as per the directions of Engineer-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 the concerned Engineer-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.					

  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur

### SCHEDULE OF QUANTITY

**NAME OF WORK :-** C/O Additional Accommodation for Govt. Sr. Sec. School Lag Ballana, Distt Kangra(HP). ( 2 Rooms in Ground Floor with Verandah) (SH: Providing E.I there in).

job No 1011

**ESTIMATED COST:** Rs 1,27,895/-only.  
**EARNEST MONEY:** Rs.2600/-only  
**TIME ALLOWED:** One Year

SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES		UNIT	AMOUNT
				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. HFRF/PVC insulated single core copper conductor cable as required.						
i	Group C. Makes:- Legrand(Myrius),Schneider(Livia),Anchor Rom	26				P/Pt	
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	2X2.5Sq.mm+1X2.5Sq.mm Earth wire	25				P/Mtr	
	Makes: Plaza/KEI/SCI						
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	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	5				P/Mtr	
	Makes: Plaza/KEI/SCI						
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	3X2.5Sq.mm	10				P/Mtr	



	<b>Makes: Plaza/KEI/SCI</b>						
5	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of following poles in the existing MCB DB complete with connections etc. as required:-					Each	
i	Single pole. Cat-A.	4					
	<b>Makes: Legrand,Schiender,Anchor.</b>						
6	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
i	40 Amps. Cat-A.	1				Each	
	<b>Makes:- Legrand,Schiender,Anchor.</b>						
7	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
i	40Amps. Cat-A.	1				Each	
	<b>Makes: Legrand,Schiender,Anchor.</b>						
8	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required.(But without MCB/RCCB/isolator).						
	<b>Makes: Legrand,Schiender,Anchor.</b>						
i	Double door-8 way	1				Each	



9	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but with charcoal/ coke and salt) as required.	1			P/Set	
10	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	20			P/Mtr	
11	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. (With Five years warranty)					
i	LED Tube Light 4Feet Long					
	<b>Makes: Havells, Panasonic ,wipro</b>	14			Each	
12	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. (With Five years warranty)					
i	LED Downlighter 18Watts	2			Each	
ii	<b>Makes: Bajaj (Model -BPSLR Surface 18 W LED RD SD)/Panasonic/ ,wipro</b>					

13	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: (With Five years warranty)					
i	Ceiling Fan 1200 mm sweep, Category-A					
	Make:- Usha(Technix Plus ),Bajaj,Anchor	10			Each	
	Total					

  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur  


# SCHEDULE OF QUANTITY

NAME OF WORK: C/O Govt Senior Secondary School Building at Sahla in Tehsil Bhattiyat and District Chamba (H.P.), Under RMSA (Sh:- Providing E.I. in 2 No. Classroom, Store, Verandah i.e Stair case.)

Job No. 12

ESTIMATED COST: Rs1,39,530/-only.  
EARNEST MONEY: Rs.2800/-only  
TIME ALLOWED: One Months

Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
			RATE			
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) or any other as approved by Engineer-in-Charge.					
	Group C.	32			Per point	
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRRF/PVC insulated single core copper conductor cable of same size for earthing as required. Make: KEI/Plaza/Anchor					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	30			Per metre	
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	20			Per metre	
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	2			Per metre	
3	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make:KEI/Plaza/Anchor					
i	3x2.5 Sq. mm.	8			Per metre	
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)or any other as approved by Engineer-in-Charge.	2			Each	



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) or any other as approved by Engineer-in-Charge.	2			Each	
6	Providing installation, Testing and commissioning of Ceiling Fan with step electronic fan regulator paino type, including wiring the down rod of standred length (up to 30 Cm) with 16/0.20 mm twin twisted flexible, cotton braided cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required.					
	1200 mm sweep Make:- Usha (Emergia ISI 1 Star) / (Bajaj (Kassels 50 ISI) Anchor	8			Each	
7	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 $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ 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.					
	Make:-Bajaj/Panasonic/Wipro.					
i	LED Tube Fixture 20Watt					
	Cat No: BCLAB 20W LED P	11			Each	
8	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 $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ 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.					
	Make:-Bajaj/Panasonic/Wipro					
	LED 12 Watt Square	7			Each	
	Cat No: PPAM17127R1					
9	Providing and fixing Bulk Head Fitting with high efficacy up to 10Watt (1000 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz, including with all accessories, connections, testing and commissioning etc. as required. as Make:-Bajaj/Panasonic/Wipro					

LED Bulk head 10Watt Cat No: B1BWP 10W LED					
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. (Make:- Anchor/ Legrand/ Schneider)	6			Each
ii	Double door-12 way	1			Each
11	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:- Anchor/ Legrand/ Schneider)	6			Each
12	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 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- Anchor/ Legrand/ Schneider)	1			Each
13	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: Anchor, Legrand, Schneider.	1			Each
14	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			Set
15	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			Per metre
	<b>Total</b>				

Executive Engineer  
 Electrical Division  
 HP PWD Palampur



## SCHEDULE OF QUANTITY

**NAME OF WORK:** Construction of Public Parking (Shopping Complex ) in  
HPPWD Sub Division Holi In District Chamba (H.P) (S.H.-Providing E.I. therein).

Job No. 13

ESTIMATED COST: Rs.2,90,120/-only.  
EARNEST MONEY: Rs.5800/-only  
TIME ALLOWED: One Months

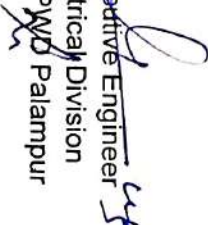
Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
			RATE			
1	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq. mm. HRRFRLS/PVC insulated single core copper conductor cable as required.					
	<b>Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Plus)</b>					
	Group C.					
		28			Per point	
	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRRF) 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. HRRFRLS/PVC insulated single core copper conductor cable as required.					
	<b>Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Classic)</b>					
	Group C.					
		2			Per point	
2	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. <b>Make: Plaza/ KEI/ Polycab.</b>					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire					
		60			Per metre	
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire				Per metre	
		64				



	2 X 6 sq. mm + 1 X 6 sq. mm earth wire						
3	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make: Plaza/ KEI/ Polycab.	65				Per metre	
i	3x2.5 Sq. mm.						
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.. Make:- Legrand (Myritus)/ Schneider(Livia)/Anchor Roma (Classic)	10				Per metre	
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. Make:- Legrand (Myritus)/Schneider(Livia) /Anchor Roma (Classic)	16				Each	
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 $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ 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.	8				Each	
	Make:-Bajaj/Panasonic/Wipro.						
i	LED Tube Fixture 20Watt	2				Each	
	Cat No: BCLAB 20W LED P						
7	Providing and installation of following type of surface mounting 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. Make: Jaquar, Panasonic, Wipro or any other approved by Engineer-in-charge.						
	Make:-Bajaj/Panasonic/ Wipro						
	LED 12 Watt Round	10				Each	
	Cat No: PPAM16127R1						

	LED 18 Watt Round	16			Each	
	Cat No:PPAM16187R1					
8	Providing and erection of LED 45 watt Street light luminaries powder coated pressure die-cast aluminium SMake:-Jaquar/Panasonic/ Wipro/LED Street light with heat resistant toughened glass including connections, testing and commissioning etc; as required complete in all respects. <b>Make:-Bajaj/Panasonic/ Wipro</b>					
	LED Street Light, 45 Watt					
i	Cat No: PSTM27458	2			each	
9	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with timed 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:- <b>Make: Anchor, Legrand, Schneider.</b>					
ii	Double door-6 way					
		8			Each	
10	Supplying and fixing 6 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. <b>Make: Anchor, Legrand, Schneider.</b>	16			Each	
11	Supplying and fixing 25 Amps. rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required:- <b>Cat-A. Make: Anchor, Legrand, Schneider.</b>	8			Each	
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 : <b>Cat-A. Make: Anchor, Legrand, Schneider.</b>	8			Each	
13	Supplying and fixing 63 Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. <b>(Make:- Anchor/Legrand/Schneider)</b>	2			Each	

14	Supplying and fixing sheet metal bus-bar chamber suitable for 63 Amp. 415 volts capacity with 4 No. copper strip bus-bars each of length 450mm & cross-sectional area (16mmx3.17mm), enclosure made from 1.6 mm thick M.S. sheet having overall dimensions (530mmx350mmx150mm) nominal with all accessories including connections, earthing the body etc. as required.-Bharat,Goldmedel	2		Each	
15	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. ( but without charcoal or coke and salt ) complete as required.	2		Set	
17	Supplying and laying 8 SWG Copper wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	50		Per metre	
Total					

  
 Executive Engineer  
 Electrical Division  
 HP PWD Palampur



## SCHEDULE OF QUANTITY

**NAME OF WORK:** Replacement of switchgear system into new one 2 No Suit for SRU Moti Tibba in Tehsil Dalhousie Distt. Chamba(H.P)

Job No. 11

**ESTIMATED COST:** Rs.2,99,973/-only.  
**EARNEST MONEY:** Rs.6000/-only  
**TIME ALLOWED:** Six Months

Sr. No.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
			RATE			
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. HFRF/PVC insulated single core copper conductor cable as required.					
	Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Plus)					
	Group C.					
2	Wiring for twin control light 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 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HFRF/PVC insulated single core copper conductor cable as required.	42			Per point	
	Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)					
	Group c.					
		2			Per point	
3	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.HFRF/PVC insulated single core copper conductor cable of same size for earthing as required.					
	Make/Anchor/Plaza					
i	2x1.5 Sq. mm. + 1 X 1.5 sq. mm earth wire	20			Per metre	
ii	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	60			Per metre	
iii	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	64			Per metre	

V	2x10 Sq. mm.+ 1 X 10 sq. mm earth wire				
4	Wiring for circuit / sub-main with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HFRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 2 No.4 Sq.mm. (4X4+2X4)HFRF/LS/PVC insulated single core copper conductor cable for earthing as required.	4		Per metre	
5	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.	32		Per metre	
	PVC insulated HFRF/LS Copper conductor 1.5 Sq. mm.				
ii	3x2.5 Sq. mm.				
6	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.	24		Per metre	
	Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)	8		Each	
7	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.	8		Each	
	Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)				
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 amps modular socket outlets and 2 nos 5/6 amps modular switches, connection etc. as required. (For light plugs to be used in non residential buildings).	2		Each	
	Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)				
9	Supplying & fixing of G.I. modular boxes of following sizes along with modular base and cover plate for modular switches in recess as required.				
	Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)				
	2 modules (78mmx78mmx50mm)	2			
10	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.			Each	
	Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)				
i	TV. socket outlet, modular	2		Each	



11	Supplying and drawing co-axial TV cable, RG-6 grade, 0.7mm (75 Ohms) copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface / recessed, steel / PVC conduit as required. <b>Make:- KEI/Anchor/Plaza</b>	30				Per mtr	
12	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required. <b>Make:- Anchor/BEC/Diplast</b>						
i	25 mm. dia						
13	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required. <b>Make:-</b>	30				Per mtr	
14	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. <b>Make Usha/Bajaj/Anchor</b>	2				Each	
i	Exhaust Fan, Light duty, (Domestic) 300 mm sweep						
15	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 $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ 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.	4				Each	
	<b>Make:- Bajaj/Panasonic/ Wipro</b>						
i	LED 12 Watt Round	8				Each	
	Cat No: PPAM16127R1						
II	LED 18 Watt Round	8				Each	
	Cat No: PPAM16187R1						
16	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 $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ 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.						
	<b>Make:- Bajaj/Panasonic/Wipro.</b>						

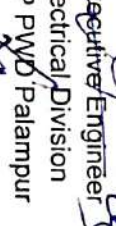


	LED Tube Fixture 20Watt							
i	Cat No: BCLAB 20W LED P	8					Each	
17	Supplying and fixing of fancy wall bracket suitable for input voltage:AC 220-240V,50/60Hz, complete with all accessories ,lamp holder,but excluding lamp including making connections,testing etc. as required: of Approved Make:-Jaquar/Philips/Bajaj							
i	Wall light fixture Polycarbonate Body,Suitable For 9 W retrofit LED lamp B22 base	2					Each	
18	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	4					Each	
19	Providing and fixing Bulk Head Fitting with high efficacy up to 10Watt (1000 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz, including with all accessories, connections, testing and commissioning etc. as required.as .Make:-Bajaj/Panasonic/ Wipro							
	LED Bulk head 10Watt Cat No: BIBWP 10W LED							
		4					Each	
20	Providing and erection of LED 45 watt Street light luminaries powder coated pressure die-cast aluminium SMake:-Jaquar/Panasonic/ WiproMDLED 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					each	
	Cat No: PSTM27458							
21	Providing and fixing decorative extruded tube fixture having high quality design suitable for LED tube up to 10Watt (Mirror Light)(1000 lumen) 6500K and it should be compatible with specifications i.e. power factor $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ lumens per watt, CRI $> 80$ , suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 10 Watt complete with all accessories, connections, testing and commissioning etc. as required.Make:-Jaquar/Panasonic/ Wipro							
	Mirror lightLED 10Watt							
		2					Each	
	Cat No: LL20-111-111-XXX-65NE3							

22	Supplying and fixing LED retrofit lamp suitable for B-22 holder base fittings with polycarbonate diffuser and aluminium heat sink as required complete in all respects.					
	9 Watt LED, B-22					
23	Makes:- Tisva (Cat.No.AL916611R 9W/ B22) /Panasonic / Osram. Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)	4			Each	
24	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required:- Make:-Usha /Recold/Bajaj	2			Each	
i	15 Liter capacity water heater (Cat-A)					
ii	25 Liter capacity water heater (Cat-A)	2			Each	
25	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus-bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- (Make:- Anchor/ Legrand/ Schneider)	2			Each	
i	Double door-16 way					
		2			Each	
26	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:- Anchor/ Legrand/ Schneider)	18			Each	
27	Supplying and fixing 63 Amps. rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 milliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- Anchor/ Legrand/ Schneider)	2			Each	



28	Supplying and fixing 63 Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- Anchor/Legrand/Schneider)	2			Each	
29	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			Set	
30	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	50			Per metre	
	<b>Total</b>					

  
 Executive Engineer  
 Electrical Division  
 HP PWD Palampur




# SCHEDULE OF QUANTITY

NAME OF WORK :- C/o Additional accommodation in Govt. Degree College at Matour in Distt. Kangra (H.P.) (SH:- Supplying and laying of Conduit pipe in Ground floor, First floor & second floor therein)			ESTIMATED COST: Rs.4,72,200/-only. EARNEST MONEY: Rs.10000/-only TIME ALLOWED: Six Months	
SR. NO.	DESCRIPTION	QTY.	job No 15	
			FIGURES	RATES
				WORDS
				UNIT
				AMOUNT
1	Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required:-			
1.1	25 mm. dia	1680		Per Meter
1.2	40 mm. dia	50		Per Meter
	Make: BEC/AKG/JPC			
	Total			

Executive Engineer  
Electrical Division  
HPPWDP Palampur

## SCHEDULE OF QUANTITY

NAME OF WORK :- C/o Additional accommodation for newly up-graded 100 bedded Civil Hospital at Shahpur, Tehsil Shahpur Distt. Kangra (H.P.) ( SH:- Supplying and laying Conduit pipe in Second & Third floor therein)				job No 016		ESTIMATED COST: Rs.2,63,825/-only. EARNEST MONEY: Rs.5300/-only TIME ALLOWED: Three Months	
SR. NO.	DESCRIPTION	QTY.	FIGURES	RATES		UNIT	AMOUNT
				WORDS			
1	Supplying and fixing of following sizes of steel conduit along with the accessories in surface / recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required:-						
1.1	25 mm. dia	965				Per Meter	
1.2	40 mm. dia	15				Per Meter	
	Make: BEC/AKG/JPC						
	Total						

  
 Executive Engineer  
 Electrical Division  
 HPPV/D Palampur

## SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Additional Accommodation for newly upgraded 50 bedded Civil Hospital at Jawali Distt Kangra (HP) (S.H.- Providing E.I. therein) (SH:- Supplying and laying Conduit Pipe in GF, FF & SF there in )							ESTIMATED COST: Rs 4,19,543/-only. EARNEST MONEY: Rs.8400/-only TIME ALLOWED:One Months	
SR. NO.	DESCRIPTION	QTY.	job No 017		RATES		UNIT	AMOUNT
			FIGURES		WORDS			
	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of							
1	recessed conduit as required. (Make: Sidharth/BEC)							
i)	25 mm. dia	1000					Meter	
ii)	40 mm. dia	50					Meter	
	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. (Make: BEC Plast/Anchor)							
2								
i)	25 mm. dia	500					Meter	
	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. Make: KEI/SCI/Plaza/Anchor/ Anchor (Roma Plus)/Schneider (Liviva)/ Legrand (Myrius) /L&T(Entice).							
3								
i)	2 Module(75mmX75mm)	10					Each	
ii)	4 Module (125mmX75mm)	20					Each	
iii)	6 Module (200mmX75mm)	6					Each	
iv)	8 Module (125mmX125mm)	10					Each	
v)	12 Module (200mmX150mm)	24					Each	



Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) (Make:- Anchor/						
4	Schneider/ Legrand/L&T)					
	4 way , Double door					
i)		2			Each	
	8 way , Double door					
ii)		2			Each	
	12 way , Double door					
iii)		5			Each	
	16 way , Double door					
iv)		6			Each	
Total						419543

Executive Engineer  
 Electrical Division  
 HPPWD Palampur

## SCHEDULE OF QUANTITY

**NAME OF WORK :-** C/O Govt. Arya degree College at Nampur in Tehsil Nampur, Distt. Kangra, HP (SH: Providing E.I. therein) (SH:- Supplying and Laying Conduit pipe in First & Second Floor there in)

**Job No 18**

**ESTIMATED COST:** Rs.3,59,576/-only.  
**EARNEST MONEY:** Rs.7200/-only  
**TIME ALLOWED:** One Month

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. (Make: Sidharth/BEC)					
i)	25 mm. dia	870			Meter	
ii)	50 mm. dia	35			Meter	
2	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. (Make: BEC Plast/Anchor)					
i)	25 mm. dia	373			Meter	
3	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. Make:- KEI/Plaza/SCI/Anchor/ Anchor (Roma Plus)/Schneider (Livia)/ Legrand (Myrius) /L&T(Entice).					
i)	2 Module (75mmX75mm)	12			Each	
ii)	4 Module (125mmX75mm)	15			Each	
iii)	6 Module (200mmX75mm)	5			Each	
iv)	8 Module (125mmX125mm)	10			Each	
v)	12 Module (200mmX150mm)	21			Each	

4	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) (Make:- Anchor/ Schneider/ Legrand/L&T)					
i)	4 way , Double door	6			Each	
ii)	8 way , Double door	6			Each	
iii)	12 way , Double door	7			Each	
	Total					

  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur



## SCHEDULE OF QUANTITY

NAME OF WORK :- C/O Shaheed Surinder Singh Govt. I.T.I. Building (Block-B) at Jawali Distt Kangra (HP) (SH:- Providing E.L. therein ) (SH: Supplying and laying conduit pipe in GF, FF & SF therein)					ESTIMATED COST: Rs.4,42,591/-only. EARNEST MONEY: Rs.8900/-only TIME ALLOWED: One Months	
SR. NO.	DESCRIPTION	QTY.	job No 19		UNIT	AMOUNT
			FIGURES	RATES WORDS		
1	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. (Make: Sidharth/BEC)					
i)	25 mm. dia	1130			Meter	
ii)	40 mm. dia	35			Meter	
2	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. (Make: BEC Plast/Anchor)					
i)	25 mm. dia	500			Meter	
3	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. Make: KEI/Plaza/SCI/Anchor/ Anchor (Roma Plus)/Schneider (Liviva)/ Legrand (Myrius) /L&T(Entice).					
i)	2 Module(75mmX75mm)	10			Each	
ii)	4 Module (125mmX75mm)	20			Each	
iii)	6 Module (200mmX75mm)	6			Each	
iv)	8 Module (125mmX125mm)	10			Each	
v)	12 Module (200mmX150mm)	23			Each	

4	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) (Make:- Anchor/ Schneider/ Legrand/L&T)					
i)	4 way , Double door	1			Each	
ii)	8 way , Double door	3			Each	
iii)	12 way , Double door	5			Each	
iv)	16 way , Double door	5			Each	
	<b>Total</b>					

  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur

## DRAFT SCHEDULE OF QUANTITY

**NAME OF WORK :-** C/O Govt. degree College at Rey in Tehsil Fatehpur, Distt Kangra (HP) (S.H.:- Providing E.I. therein) (SH:- Supplying and laying Conduit Pipe in Basement Floor & Ground Floor therein )

job No 020

**ESTIMATED COST:** Rs.3,02,919/-only.  
**EARNEST MONEY:** Rs.6100/-only  
**TIME ALLOWED:** Two Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. <b>Make: BEC, Finolex</b>					
i)	25 mm. dia	700			Meter	
ii)	40 mm. dia	75			Meter	
2	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. <b>Make: BEC, Diplast, Finolex</b>					
i)	25 mm. dia	200			Meter	
3	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. <b>Make: Anchor, L&amp;T, Havells</b>					
i)	4 Module (125mmX75mm)	12			Each	
ii)	6 Module (200mmX75mm)	10			Each	
iii)	8 Module (125mmX125mm)	10			Each	
iv)	12 Module (200mmX150mm)	16			Each	
4	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) <b>Make: L&amp;T, Legrand, Schneider.</b>					



i)	8 way , Double door	2				Each	
ii)	12 way , Double door	7				Each	
iii)	16 way , Double door	3				Each	
Total							

  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur

## SCHEDULE OF QUANTITY

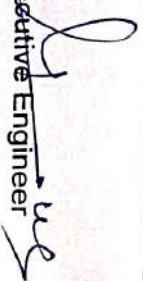
**NAME OF WORK :-** C/O Additional Block of 100 Bedded Civil Hospital at Nurpur Distt Kangra (HP) (S.H.:- Providing E.I. therein)  
(SH:- Supplying and laying Conduit Pipe in GF & FF there in )

Job No ~~1221~~

ESTIMATED COST: Rs.4,42,591/-only.  
EARNEST MONEY: Rs.8900/-only  
TIME ALLOWED: One Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. (Make: Sidharth/BEC)					
i)	25 mm. dia	1130			Meter	
ii)	40 mm. dia	35			Meter	
2	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. (Make: BEC Plast/Anchor)					
i)	25 mm. dia	500			Meter	
3	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. Make: KEI/Plaza/Anchor/SCI/ Anchor (Roma Plus)/Schneider (Livvia)/ Legrand (Myrius) /L&T(Entice).					
i)	2 Module(75mmX75mm)	10			Each	
ii)	4 Module (125mmX75mm)	20			Each	
iii)	6 Module (200mmX75mm)	6			Each	
iv)	8 Module (125mmX125mm)	10			Each	
v)	12 Module (200mmX150mm)	23			Each	

4	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator) (Make:- Anchor/ Schneider/ Legrand/L&T)									
	i)	4 way , Double door								
	ii)	8 way , Double door	1					Each		
	iii)	12 way , Double door	3					Each		
	iv)	16 way , Double door	5					Each		
Total										

  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur



## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Replacement of Old Heating Points, Light Points, Tube Fixture and Sub main Control into new one at HRTC Building Patti In Tehsil Bharmour Distt. Chamba (H.P)

job No ~~1029~~ 29

**ESTIMATED COST:** Rs 1,08,188/-only.  
**EARNEST MONEY:** Rs.2200/-only  
**TIME ALLOWED:** Six Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRRFLS/PVC insulated single core copper conductor cable of same size for earthing as required. <b>Make:- KEI/Anchor/Plaza/SCI</b>					
i	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	82.5			Per metre	
2	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRRF) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. <b>Make:KEI/Plaza/Anchor/SCI</b>					
i	3x1.5 Sq. mm.	35			Per mtr.	
ii	3x10 Sq. mm.	24			Per mtr.	
3	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 3 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connection, painting etc. as required. <b>Make: Anchor (Panta)/SSK(Touch)or any other as approved by Engineer-in-Charge.</b>	5			Each	
4	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in FRLSont including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required. <b>Make: Anchor (Panta)/ SSK(Touch)or any other as approved by Engineer-in-Charge.</b>	10			Each	

5	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase, 230 volts complete as required:-	1			Each	
6	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required:- <b>Make:-Usha/Bajaj/Anchor</b>					
i	Exhaust Fan, Light duty, (Domestic) 300 mm sweep					
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 $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ 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.	2			Each	
	<b>Make:-Bajaj/Panasonic/Wipro</b>					
i	LED 12 Watt Square	6			Each	
	Cat No: PPAM17127R1					
8	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 $\geq 0.9$ , harmonic distortion $\leq 10\%$ and efficacy $\geq 100$ 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.					
	<b>Make:-Bajaj/Panasonic/Wipro.</b>					
i	LED Tube Fixture 20Watt	6			Each	
	Cat No: BCLAB 20W LED P					
9	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	12			Each	
10	Supplying and fixing LED retrofit lamp suitable for B-22 holder base fittings with polycarbonate diffuser and aluminium heat sink as required complete in all respects.					



	9 Watt LED, B-22					Each	
	Makes:- Tisva (Cat.No.AL916611R 9W/ B22) /Panasonic / Osram.	12					
11	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper bus- bar, wire-set, neutral link, earth bar, din-bar, detachable gland plate, blanking plate, cable, identification labels interconnections, phosphatized and powder painted, including earthing etc. as required:- (Make:- Anchor/ Legrand/ Schneider)						
i	Double door-12 way	3				Each	
12	Supplying and erection of 6 amps. to 32 amps. rating, 10 KA breaking capacity, 240 volts, 'C' curves, miniature circuit breaker of Single pole in the existing MCB DB complete with connections etc. as required:- Cat-A. (Make:- Anchor/ Legrand/ Schneider)	16				Each	
13	Supplying and fixing 63 Amps. rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- Anchor/ Legrand/ Schneider)	3				Each	
14	Supplying and fixing 63 Amps. rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. (Make:- Anchor/ Legrand/ Schneider)	3				Each	
	<b>Total</b>						

Executive Engineer  
 Electrical Division  
 HPPWD Palampur



## SCHEDULE OF QUANTITY

**NAME OF WORK :-** C/O Warehouse of Electronic Voting Machine (EVM) and VVPATs at Chamba Distt. Chamba .(HP).(SH:- Balance work of Fire Fighting system therein).

**job No** ~~23~~ 23

**ESTIMATED COST:** Rs.3,88,698/-only.  
**EARNEST MONEY:** Rs.7800/-only  
**TIME ALLOWED:** Three Months

SR. NO.	DESCRIPTION	QTY.	RATES		UNIT	AMOUNT
			FIGURES	WORDS		
1.00	Providing, laying, jointing and testing in following sizes of MS Class 'C' (heavy class) pipes Conforming to IS: 1239/3589 with accessories like fittings including tees, elbows, reducers, flanges gaskets, G.I. nus, blots complete with all accessories as required. <b>Make :- Jindal/Tata/Surya Tube.</b>					
1.01	80 mm dia	80			P/RM	
2.00	Providing Cast iron /steel Foot Valve Confirming to type P.N 1.6 of I.S 13095-1991 Complete with Flanges bolt ,nuts ,gasket etc. As per table 'E' specification complete in all respect hydraulically test to 20 K./sqcm. <b>Make SANT,ZOLOTO,LEADER</b>					
2.01	150 mm	1			Each	
3.00	Providing, fixing of 63 mm dia, 15 mtr long non-percolating flexible hose (RRL- type A) as per IS : 636, Type A with Gunmetal male & female instantaneous type coupling (IS 903). <b>Make:- Minimax /SEASE/Tyco</b>	14			Each	
4.00	Providing and fixing angle sport for MS ring line Pipe For Bountry wall .size 32x5mm	80			Each	
5.00	Supply, installation, testing & commissioning of : Gun metal ISI marked odlique pattern hydrant landing valve with 80 mm dia flanged inlet and 63 mm dia instantaneous type female outlet complete with gunmetal cap and G.I. chain, twist release type plug and all accessories as per IS: 5290-1983 (Type 'A') . <b>Make:- Minimax /SEASE/Tyco</b>	2			Each	

6.00	Providing & fixing 63 mm dia Gun metal Branch pipe with Gun metal with 20 mm (nominal internal dia) Size Gun metal Nozzle with standard inlet instantaneous lack type 63 mm dia Coupling Branch Pipe & Nozzle shall Confirm I.S 903..Make:- Minimax /SEASE/Tyco	2			Each	
7.00	Providing & fixing fibre glass reinforced Fire Hose Cabinet ( 30"x24"x10") out door type, made out of sheet having glazed door with 6mm thick clear Glass including necessary Locking arrangement with allen Key, powder coating with Post Office Red Paint and for Hoseing 2 Nos .RRL Hose Pipe, 1 No Branch pipe including grounding and suitable inscribing the words" Hose Cabinet" on the Box complete as required. .Make:- Minimax /SEASE/Tyco	2			Each	
TOTAL						

  
 Executive Engineer  
 Electrical Division  
 HPPWD Palampur