HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No:- PW-Elect. MND-TA-NIT/2026:- 7778-92 Dated:- 16-03-2026

To

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

Subject: - Publishing of tender Notice.

Sir,

Enclosed please find herewith the tender notice a/w schedule of quanitity of work as given in the Notice Inviting Tender for uploading on Department website as Per Notification No.Pr. Secy. (PW), to the Govt. of H.P. letter No.PBW(B) A(3)1/2020 dated Shimla-2 the 16th July, 2021 as the work mentioned in the tender notice are urgent in nature and in public interest.

DA:- Notice Inviting Tender.

Executive Engineer,
Electrical Division,
HP.PWD.,Mandi

Copy forwarded to the following for information please.

1. The Engineer-in-Chief, HP.PWD., Nirman Bhawan, Nigam Vihar Shimla-1.
2. The Deputy Commissioner, Mandi Distt. Mandi H.P.
3. The Chief Engineer (MZ), HP.PWD., Mandi.
4. The Superintending Engineer 1st Electrical Circle, HP.PWD., Shimla H.P.
5. The Executive Engineer (IT) O/o Engineer-in-Chief, HP.PWD., Shimla through email (eeict-pwd-shi@hp.gov.in) a/w copies of schedule of quantities for uploading the same on HP.PWD., web portal.
6. The Sub-Divisional Officer (Civil) Mandi Distt. Mandi H.P.
7. All the Assistant Engineer (Electrical), under this Division.
8. All the Head of Branches in this office.
9. Notice Board.

Executive Engineer,
Electrical Division,
HP.PWD.,Mandi.

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HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT
"NOTICE INVITING TENDER"

Sealed **Percentage rate** tender on form **"6&8"** are invited by the Executive Engineer, Electrical Division, H.P.PWD. Mandi for the following work from the approved and eligible contractors enlisted in H.P.PWD, Electrical (Wing) Department, so as to reach in his office on or before **24.03.2026 upto 11.00 A.M.** and will be opened on the same day at **3.00 P.M.** in the presence of interesting contractors or their authorized representatives who may like to be present. If it happen to be holiday the tenders will be open on next working day. The application for obtaining the tender form will be received up to **11:00 A.M. on 24.03.2026** and EMD should be attached during the submission of application for obtaining the tender form, without Earnest Money & Cost of tender form, the application will not be accepted.

The earnest money in the shape of FDR National Saving Certificate/Time deposit accounts/Saving account in any of the Post Office and Banks of Himachal Pradesh duly pledged in favour of the Executive Engineer must accompany with each tender. Conditional tender and the tender received without earnest money will summarily be rejected. The earnest money should be attached with application. The offer of the tender shall be kept open for **90 days**. The Executive Engineer reserves the right to reject the tender without assigning any reason:-

Sr. No.	Name of Work	Estimated Cost	EMD	Cost of tender	Eligible Class of Contractor	Time limit
1	Providing wiring and other electrical accessories for lift in MCH building at Sunder Nagar Distt. Mandi (H.P.).	99,854	2000	350	C&D	One Month
2	Providing and fixing LED post top at Rest House Kothi, inspection hut Naggar and Circuit House Manali, Distt. Kullu (HP).	80,514	1600	350	C&D	One Month
3	Special repair and maintenance of E.I. in various N/R Building UESD Mandi Distt Mandi (HP).	25,412	500	350	C&D	One Month
4	C/O Middle School Building at Naulakha Tehsil Sunder Nagar, District Mandi HP. SH:- Providing LED fixture & celling fan therein.).	74,689	1500	350	C&D	A/w Civil work
5	Annual repair and maintenance of various Air Conditioner installed in N/R building under electrical Sub Division Kullu (H.P.) (SH:- AMC of Air conditioner installation in various HP.PWD., Rest House & Division office under electrical Section Kullu and Banjar (HP).	94,500	1900	350	C&D	One Year
6	Providing E.I. in Renovated Health Sub Center Building at Bhambala Tehsil Baldwara District Mandi (HP).	99,933	2000	350	C&D	One Month
7	C/O Additional Room at Veterinary Dispensary Building Bhunter Distt. Kullu (HP). (Providing E.I. therein).	98,339	2000	350	C&D	A/w Civil work
8	C/O Ayurvedic Health Center building at Luhakhar Distt. Mandi H.P.(SH:-Providing Accessories and LED fixtures therein)	48,605	1000	350	C&D	A/w Civil work
9	C/O Toilet Block for Disabled and Transgender at Judicial Court Complax Kullu (SH:- Prov. E.I. therein in).	71,593	1450	350	C&D	A/w Civil work
10	Providing ceiling fan. LED Fixture in Renovating Health Sub center Chowk at Baldwara Tehsil Sarkaghat Distt. Mandi (HP).	33,461	700	350	C&D	One Month
11	Providing wiring and other electrical accessories for lift in MCH Building at Sunder Nagar Distt Mandi (HP).	99,854	2000	350	C&D	One Year

It is, certified that the above tenders i.e. Sr. No. 1 to 11 is of very Urgent Nature, so may be uploaded on department website in public interest.

Note:- The Contractors/Firms should possess the following documents (Photo copy to be attached).

1. The Contractor/Firm should be enlisted with the HP.PWD. Electrical (Wing) Department having valid Electrical License & Registration/Renewal copy attached.
2. The tender forms will not be issued to those contractors whose performance is not found satisfactory.
3. The list of similar type of work executed and work done performance certificate issued by the concerned Executive Engineer required to be produced by the contractor along with application.
4. **Only two tenders shall be issued to each contractor.**
5. The rates must be quoted in **percentage (Above/Below)** to the amount put to tender both in figures as well as in words otherwise tender will not be considered.
6. The contractor will not have more than two works in hand at the time of tender and only up to completion of work satisfactory including adherence to quality parameters further work will be awarded to him. All undertaking/affidavit along with application that he is not having more than two works in hand in HP.PWD for execution failing which the application for issuing the tender forms shall not be accepted.
7. The contractor/firm shall be issued tenders on the production of valid GST/EPF/Income Tax clearance certificate/copy attached.
8. No contractor or his accredited agent shall be permitted to participate in the competition unless he holds a valid wiring license and have been duly registered in appropriate class in the HP.PWD., Department (Electrical).
9. As per Govt. Notification No.PBW (B)A(3)1/2020-I dated 07.10.2021, in case the tendered amount of the lowest bidder comes more than 5% in 1st call the negotiation can be conducted with him but the negotiated amount should remain within 5% of the amount put to tender (on market rate).

Executive Engineer,
Electrical Division,
HP.PWD., Mandi.

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	Job-			Estimated Cost:- Rs.99854/-only.
				Earnest Money :- Rs.2000/-only.
				Time :- One

Draft Schedule of Quantity

Name of work:- Providing wiring and other electrical accessories for lift in MCH building at Sunder Nagar Distt.Mandi H.P

Sr. No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In 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 medium class Cassing Capping , 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 as per entire satisfaction of Engineer- in- Charge. **i) Group C Make:-Havells, Finolex, RR Kable, KEI, Grandley, Plaza,SSK**	9	Each	1283.00	11547.00	Rupees Eleven Thousand Five Hundred FourtySeven Only
2	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required as per entire satisfaction of Engineer- in- Charge. **Make :- Havells(REO) , (Athena), Goldmedal(Air)(GIFa),Anchor(Penta),Legrand (arteor),L&T(Entice),SSK**	7	Each	431.00	3017.00	Rupees Three Thousand Seventeen Only
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required as per entire satisfaction of Engineer- in-Charge. **Make :- Havells(REO)(Athena), Goldmedal(Air)(GIFa),Anchor(Penta),Legrand (arteor),L&T(Entice)**	1	Each	544.00	544.00	Rupees Five Hundred FourtyFour Only
4	S/F of LED bulk head IP 66 rated with aluminium body/PDC housing the fitting should be installed on existing surface the Job includes carriage, erection, making connections testing and fommissioning of the fittings.s required as per entire satisfaction of Engineer- in- Charge. **Make;bajaj, havells, Goldmedal, panasonic, Philips,Wipro, Changi**	6	Each	1126.00	6756.00	Rupees Six Thousand Seven Hundred FiftySix Only
5	S/E of LED batten with polycarbonate body and diffuser the fitting should be installed on existing Surface /recess the Job includes carriage, erection, making connection testing and commissioning etc.s required as per entire satisfaction of Engineer- in- Charge. **Make;bajaj,havells,Goldmedal,panasonic,Philips,Wipro,Changi**	2	Each	610.00	1220.00	Rupees One Thousand Two Hundred Twenty Only

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6	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface medium class Cassing Capping as required as per entire satisfaction of Engineer- in- Charge. **Make:-Havells, Finolex, RR Kable, KEI, Grandley, Plaza,SSK .**					
6.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	20	Per Metre	209.00	4180.00	Rupees Four Thousand One Hundred Eighty Only
6.02	2 X 4 sq. mm + 1 X 4 sq. mm earth Wire	20	Per Metre	315.00	6300.00	Rupees Six Thousand Three Hundred Only
6.03	2 X 6 sq. mm + 1 X 6 sq. mm earth Wire	4	Per Metre	425.00	1700.00	Rupees One Thousand Seven Hundred Only
7	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required .complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) Single pole Make:- Havells, ABB, Legrand, L&T, schneider,C&S , SSK**	2	Each	241.00	482.00	Rupees Four Hundred EightyTwo Only
8	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit braker suitable for inductive load of following poles in the exsisting MCB DB complete with connections, testing and commissioning etc. as required .complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) 40 A DP Make:- Havells, ABB, Legrand, L&T, schneider,C&S ,SSK .**	1	Each	1330.00	1330.00	Rupees One Thousand Three Hundred Thirty Only
9	Supplying and fixing following rating, follwing pole, 240/415 V(four pole), 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 .complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) 63 A Four Pole Make:- Havells, ABB, Legrand, L&T, schneider,C&S ,SSK .**	1	Each	2950.00	2950.00	Rupees Two Thousand Nine Hundred Fifty Only
10	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) as required .complete in all respect as per entire satisfaction of Engineer-in- Charge. **Make:- Havells, ABB, Legrand, L&T, schneider,C&S , SSK**					
10.01	6 way , Double door	2	Each	2187.00	4374.00	Rupees Four Thousand Three Hundred SeventyFour Only
11	S/E of MCCB 4 Pole 415 Volt. with Microprocesser Release for overload and short circuit protection breaking Capacity (Ics=100% Icu with positive isolation) with/ without Spreader/ Rotary Handle. as required .complete in all respect as per entire satisfaction of Engineer- in-Charge.					
11.01	MCCB 40- 100 Amp. 36 ka 4 Pole Release with rotary handle	1	Each	29322.00	29322.00	Rupees TwentyNine Thousand Three Hundred TwentyTwo Only

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12	Providing and laying of one number additional PVC insulated and PVC sheathed armoured / XLPE power cable of 1.1 KV grade of following size direct in cable tray including accessories clamping. as required .complete in all respect as per entire satisfaction of Engineer- in-Charge. **Make:- Universal Cables, KEI,Havells,Grandley**					
12.01	Armoured cable 35 sq. mm (3.5 core)	20	Per Metre	456.00	9120.00	Rupees Nine Thousand One Hundred Twenty Only
13	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. without charcoal/ coke and salt as required .complete in all respect as per entire satisfaction of Engineer- in- Charge.	2	Each	7036.00	14072.00	Rupees Fourteen Thousand SeventyTwo Only
14	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 .complete in all respect as per entire satisfaction of Engineer- in- Charge.	70	Per Metre	42.00	2940.00	Rupees Two Thousand Nine Hundred Fourty Only
	Total				99854.00	Rupees NinetyNine Thousand Eight Hundred FiftyFour Only

Draft Schedule of quantity checked and approved for Rs. 99,854/- only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP)

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	Job-			Estimated Cost:- Rs.80514/-only.
				Earnest Money :- Rs.1600/-only.
				Time :- One Month

Draft Schedule of Quantity

Name of work:-Providing and fixing LED post top at Rest house kothi , inspection hut naggar and circuit house manali , DISTT. Kullu.(HP)

Sr. No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In words
1	Supplying and fixing of Post Top Lantern With integrated LED, cast aluminium spigot, spun aluminium canopy, uv stabilized PC/PMMA diffuser, complete with all accessories , including making connections, testing etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	9	Each	8946.00	80514.00	Rupees Eighty Thousand Five Hundred Fourteen Only
1.01	**Makes:-twinkle LED POST TOP - genius v - ROUND LuxMax-PT-153/wipro/bajaj or eqivalent**					
	Total				80514.00	Rupees Eighty Thousand Five Hundred Fourteen Only

Draft Schedule of Quantity checked and approved for RS. 80,514/ only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP).

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	Job-			Estimated Cost:- Rs.25412/-only.
				Earnest Money :- Rs.500/-only.
				Time :- One Month

Draft Schedule of Quantity

ame of Work:-Special repair and maintenance of E.I. in Various N/R Building UESD Mandi distt Mandi H.P

r. No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In words
1.00	Supplying and fixing LED Post Top PC Globe Duly wired with B-22d/E-27 Lamp Holder as required complete in all respect. as per entire satisfcation of engineer in charge. **MAKE:- Twinkle ,Bajaj, Hevells, Panasonic.**	12	Each	951.00	11412.00	Rupees Eleven Thousand Four Hundred Twelve Only
2.00	Providing and fixing LED Lamp 9 watt in an existing Lamp Holder B22/E27 Lamp Holder as required complete in all respects and to the best satisfaction of Engineer-in-charge. **Make Twinkle / Bajaj / Great White / Phillips , Panasonic , Hevells , Wipro .**	12	Each	117.00	1404.00	Rupees One Thousand Four Hundred Four Only
3.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as per entire satisfcation of engineer in charge. **Make:-Hevells / Finolex / RR Cable /KEI /Grandley/SSK.**					
3.01	3 x 1.5 sq. mm	40	Per Metre	93.00	3720.00	Rupees Three Thousand Seven Hundred Twenty Only
4.00	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 per entire satisfcation of engineer in charge.t **Make : Anchor / AKG / RKG / Precision / Diplast.**					
4.01	25 mm dia	40	Per Metre	125.00	5000.00	Rupees Five Thousand Only
5.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge.**Make :- Havells ,ABB , Legrand , L&T , Schneider , C&S .**	2	Each	241.00	482.00	Rupees Four Hundred EightyTwo Only
5.01	Single pole					

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6.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit braker suitable for inductive load of following poles in the exsisting MCB DB complete with connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge.**Make :- Havells ,ABB , Legrand , L&T , Schneider , C&S .**					
6.01	40 DP	1	Each	1330.00	1330.00	Rupees One Thousand Three Hundred Thirty Only
7.00	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. (But without MCB/RCCB/Isolator) as required complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make :- Havells ,ABB , Legrand , L&T , Schneider , C&S .**					
7.01	4 way , Double door	1	Each	2064.00	2064.00	Rupees Two Thousand SixtyFour Only
	Total				25412.00	Rupees TwentyFive Thousand Four Hundred Twelve Only

Draft schedule of quantity checked and approved for RS. 25,412/ only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP).

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	Job-			Estimated Cost:- Rs.74689/-only.
				Earnest Money :- Rs1500./-only.
				Time :- Along with Civil work

Draft Schedule of Quanitity

Name of work:-C/o Middle Schooi Building at Naulakha Tehsil Sunder Nagar, District Mandi HP SH:-Providing LED fixture & ceiling fan there in.)

No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In words
1	.Supply, Installation, Testing and Commissioning of following sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.85, Air delivery minimum 215 CMM, 300 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote/ BLDC electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etcas required complete in all respect. as per entire satisfcation of engineer in charge **i) Ceiling Fan 1200 mm sweep Make : Usha / Bajaj / Anchor Panasonic.**	16	Each	3843.00	61488.00	Rupees SixtyOne Thousand Four Hundred EightyEight Only
2	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 complaince fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required complete in all respect. as per entire satisfcation of engineer in charge .**Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max .**	13	Each	649.00	8437.00	Rupees Eight Thousand Four Hundred ThirtySeven Only
3	Providing and installation of following type of Surface mounting round type of 9/10 watts LED Downlight with PDC/CRCA housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100 lm/Watt with minimum 50000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 complaince from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required complete in all respect. as per entire satisfcation of engineer in charge**Make : Bajaj /Siska/Jaquar/ Phillips.**	3	Each	1588.00	4764.00	Rupees Four Thousand Seven Hundred SixtyFour Only
	Total				74689.00	Rupees SeventyFour Thousand Six Hundred EightyNine Only

Draft schedule of Quantity checked and approved for RS. 74,689/ only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP).

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	Job-			Estimated Cost:- Rs.94500/-only.
				Earnest Money :- Rs.1900/-only.
				Time :- One Year

Draft Schedule of Quanitity

NAME OF WORK :- Annual repair and maintenance of various Air Conditioner installed in N/R building under electrical Sub Division Kullu H.P (SH:-AMC of Air conditioner installation in various HPPWD Rest house & Division office under electrical Section Kullu and Banjar H.P)

Sr. No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In words
1	Annual Repair and Maintenance of various make/type and different capacity window/split AC with four number mandetory quaterly services and all emergency breakdown services and when required from time to time as per the best satisfactionof Engineer in charge.					
	The AMC shall include following:- Rewiring/repair of compressor thermostat,relay,OLP fan motor,timer,heater,air damper, temperature sensor, evaporator,condensors, refrigerate,charging drives,capillairy boiler, blower,fan blade,control box,electrical switches, transformers, diodes, capacitor, wire harness,electrical valves,remote PCB including the cost of their replacement and filling/refilling of F22 gas as required but excluding burnt compressor/motor PCB board which are beyond repair. All defective components should be replaced with compatible working parts and defective parts shall be firms responsibility shall have to attend the complaintswithin 24 hours from the acknowledgement of complaints.					
ii)	Split AC 2.0 ton	21.00	Each	4500.00	94500.00	Rupees NinetyFour Thousand Five Hundred Only
	Total				94500.00	Rupees NinetyFour Thousand Five Hundred Only

Draft schedule of quantity checked and approved for RS. 94,500/ only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP).

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	Job-			Estimated Cost:- Rs.99933/-only.		
				Earnest Money :- Rs.2000/-only.		
				Time :- One Month		

Draft Schedule of Quanitity

Name of Work:-Providing E.I in Renovated Health sub Centre Building at Bhambla Tehsil Baldwara District Mandi (H.P.)

Sr. No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In words
1.00	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 medium class Cassing Capping , 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 as per entire satisfaction of Engineer- in- Charge. **i) Group C Make:-Havells, Finolex, RR Kable, KEI, Grandley, Plaza,SSK**	20	Each	1162.00	23240.00	Rupees TwentyThree Thousand Two Hundred Fourty Only
2.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required as per entire satisfaction of Engineer- in- Charge. **Make :- Havells(REO) , (Athena), Goldmedal(Air)(GIFa),Anchor(Penta),Legrand (arteor),L&T(Entice),SSK**	8	Each	431.00	3448.00	Rupees Three Thousand Four Hundred FourtyEight Only
3.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required as per entire satisfaction of Engineer- in- Charge. **Make :- Havells(REO)(Athena), Goldmedal(Air)(GIFa),Anchor(Penta),Legrand (arteor),L&T(Entice)**	6	Each	544.00	3264.00	Rupees Three Thousand Two Hundred SixtyFour Only
4.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required .complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) Single pole Make:- Havells, ABB, Legrand, L&T, schneider,C&S**	10	Each	241.00	2410.00	Rupees Two Thousand Four Hundred Ten Only
5.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit braker suitable for inductive load of following poles in the exsisting MCB DB complete with connections, testing and commissioning etc. as required .complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) 63 AmpMake:- Havells, ABB, Legrand, L&T, schneider,C&S**	1	Each	1479.00	1479.00	Rupees One Thousand Four Hundred SeventyNine Only

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6.00	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) .complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) 12 way Double Door Make:- Havells, ABB, Legrand, L&T, schneider,C&S**	1	Each	2300.00	2300.00	Rupees Two Thousand Three Hundred Only
7.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface medium class Cassing Capping as required as per entire satisfaction of Engineer- in- Charge. **Make:- Havells, Finolex, RR Kable, KEI, Grandley, Plaza**					
7.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	45	Per Metre	182.00	8190.00	Rupees Eight Thousand One Hundred Ninety Only
7.02	2 X 4 sq. mm + 1 X 4 sq. mm earth Wire	50	Per Metre	309.00	15450.00	Rupees Fifteen Thousand Four Hundred Fifty Only
8.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit / PVC Cassing Capping as required complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:-Havells, Finolex, RR Kable, KEI, Grandley, Plaza**					
8.01	3 x 1.5 sq. mm	25	Per Metre	91.00	2275.00	Rupees Two Thousand Two Hundred SeventyFive Only
8.02	3 x 4 sq. mm	20	Per Metre	205.00	4100.00	Rupees Four Thousand One Hundred Only
9.00	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 complete in all respect as per entire satisfaction of the Engineer in charge **i) Ceiling fan 1200 mm sweep (Category - A) Make :- atomberg (Efficio), Havells(Efficia Neo),Orient(hector 500),Gold Medal(Maruti),Bajaj(efficia)**	3	Each	2802.00	8406.00	Rupees Eight Thousand Four Hundred Six Only
10.00	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 complete in all respect as per entire satisfaction of the Engineer in charge **i) Exhaust Fan, Light duty, (Domestic) 300 mm sweep Make:-atomberg ,Havells,Orient,Gold Medal, Bajaj**	2	Each	2495.00	4990.00	Rupees Four Thousand Nine Hundred Ninety Only

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11.00	Providing and installation of following type of Surface mounting square type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver; relevent LM 79/80 complaince from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required complete in all respect as per entire satisfaction of the Engineer in charge.**Make :-bajaj, havells, Goldmedal, panasonic, Philips,Wipro,Changi**					
11.01	Square LED Down Light 24W Surface	2	Each	1164.00	2328.00	Rupees Two Thousand Three Hundred TwentyEight Only
12.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 complaince fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required in all respect as per entire satisfaction of the Engineer in charge.**Make :-bajaj, havells, Goldmedal, panasonic, Philips,Wipro,Changi**					
12.01	LED Batten Light 20W	6	Each	631.00	3786.00	Rupees Three Thousand Seven Hundred EightySix Only
13.00	Supplying & fixing High perfomance 25 watt LED Street light in aluminium pressure die cast housing with toughened glass cover (IP66 rating) complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.in all respect . **Make :-bajaj, havells, Goldmedal, panasonic, Philips ,Wipro ,Changi**	2	Each	3022.00	6044.00	Rupees Six Thousand FourtyFour Only
14.00	Supplying and fixing PVC batten/ angle holder including connections etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. **Make: ANCHOR , CONA , ESS ESS KAY .**	5	Each	89.00	445.00	Rupees Four Hundred FourtyFive Only
15.00	Providing and fixing LED Lamp 9 watt Having Luman Output 840 lm, Colour temp 3000K in an existing Lamp Holder B22 Lamp Holder of Havells Make having cat No.LHLDEUEEMC8R009 as required complete in all respects and to the best satisfaction of Engineer-in-charge. **Make :-bajaj, havells, Goldmedal, panasonic, Philips ,Wipro ,Changi**	5	Each	138.00	690.00	Rupees Six Hundred Ninety Only
16.00	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required complete in all respect as per entire satisfaction of Engineer- in- Charge.	1	Each	6458.00	6458.00	Rupees Six Thousand Four Hundred FiftyEight Only

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17.00	Supplying and laying 8 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge.	15	Each	42.00	630.00	Rupees Six Hundred Thirty Only
	Total				99933.00	Rupees NinetyNine Thousand Nine Hundred ThirtyThree Only

Draft schedule of Quantity checked and approved for Rs. 99933/ only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP).

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	Job-			Estimated Cost:- Rs.98339/-only.
				Earnest Money :- Rs.2000/-only.
				Time :- Along wirh civil work

Draft Schedule of Quantity

Name of work:--C/O Additonal room at Veterinary Dispensary building Bhuntar Distt. Kullu (HP) {Providing E.I. there in}

Sr. No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In 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.complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) Group C Make:- Havells, Finolex,RR Kable,KEI,Grandley,Plaza,SSK**	11	Each	1283.00	14113.00	Rupees Fourteen Thousand One Hundred Thirteen Only
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.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make;- Havells, Finolex,RR Kable,KEI,Grandley,Plaza,SSK**					
2.01	**2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire**	30	Per Metre	209.00	6270.00	Rupees Six Thousand Two Hundred Seventy Only
2.02	**2 X 4 sq. mm + 1 X 4 sq. mm earth wire**	40	Per Metre	315.00	12600.00	Rupees Twelve Thousand Six Hundred Only
2.03	**2 X 6 sq. mm + 1 X 6 sq. mm earth wire**	15	Per Metre	425.00	6375.00	Rupees Six Thousand Three Hundred SeventyFive Only
2.04	**4 X 4 sq. mm + 2 X 4 sq. mm earth wire**	15	Per Metre	523.00	7845.00	Rupees Seven Thousand Eight Hundred FourtyFive Only
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 A modular socket outlet and 5/6 A modular switch, connections etc as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:- Havells,ABB,Legrand,L&T,schneider,C&S, SSK**	5	Each	431.00	2155.00	Rupees Two Thousand One Hundred FiftyFive Only
4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:- Havells,ABB,Legrand,L&T,schneider,C&S, SSK**	3	Each	544.00	1632.00	Rupees One Thousand Six Hundred ThirtyTwo Only

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5	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.complete in all respect as per entire satisfaction of Engineer- in- Charge. (But without MCB/RCCB/Isolator) **i) 12 way , Double door Make:- Havells,ABB,Legrand,L&T,schneider,C&S, SSK**	1	Each	2300.00	2300.00	Rupees Two Thousand Three Hundred Only
6	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) Single pole Make:- Havells,ABB, Legrand, L&T, schneider, C&S, SSK**	6	Each	241.00	1446.00	Rupees One Thousand Four Hundred FourtySix Only
7	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit braker suitable for inductive load of following poles in the exsisting MCB DB complete with connections, testing and commissioning etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) 63 A DP Make:- Havells,ABB, Legrand, L&T,schneider,C&S, SSK**	1	Each	1479.00	1479.00	Rupees One Thousand Four Hundred SeventyNine Only
8	Supplying and fixing following rating, follwing pole, (single phase and neutral), 240/415 V(four pole), 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.complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) 63 A DP Make:- Havells,ABB,Legrand,L&T,schneider,C&S, SSK**	1	Each	2812.00	2812.00	Rupees Two Thousand Eight Hundred Twelve Only
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. with charcoal/ coke and salt as required.complete in all respect as per entire satisfaction of Engineer- in- Charge.	1	Per set	6458.00	6458.00	Rupees Six Thousand Four Hundred FiftyEight Only
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.complete in all respect as per entire satisfaction of Engineer- in- Charge.	30	Per Metre	42.00	1260.00	Rupees One Thousand Two Hundred Sixty Only
11	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes with 8 bar pressure rating Five star BEE rating and safety valve installation by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) 25 Liter capacity water heater (Cat-A) Make:- havells, racold, bajaj,Goldmedal,jaguar**	1	Each	14683.00	14683.00	Rupees Fourteen Thousand Six Hundred EightyThree Only

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12	Supply, Installation, Testing and Commissioning of following sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.85, Air delivery minimum 215 CMM, 300 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote/ BLDC electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.complete in all respect as per entire satisfaction of Engineer- in-Charge. **i) Ceiling Fan 1400 mm sweep Make:- atomberg (Efficio),Havells(Efficia Neo),Orient(hector 500),Gold Medal(Maruti),Bajaj(efficia)**	1	Each	3008.00	3008.00	Rupees Three Thousand Eight Only
13	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:- Havells,Goldmedal,Anchor,**	1	each	91.00	91.00	Rupees NinetyOne Only
14	S/E of LED Downlighter(recess)round type with polycarboante body and diffuser The fitting should be installed on existing surface/recess The job includes carriage, erection, making connections testing and commissioning of the fittings. as required.complete in all respect as per entire satisfaction of Engineer- in-Charge. **Make:- bajaj, havells, Goldmedal, panasonic,Philips,Wipro,Changi**					
14.01	Specification of LED fittings:					
14.02	Wattage of LED fittings As per following parameter.					
14.03	Lumen output of the fitting as below					
14.04	Diffuser Polycarbonate diffuser.					
14.05	Operating voltage 140 V to 270 V, AC supply or better.					
14.06	Input frequency 50 Hz + 1 Hz					
14.07	Power factor Minimum 0.90					
14.08	Luminaire efficacy >85 lm/w					
14.09	Color rendering index CRI shall be greater than 80					
14.1	Working/ operating temperature 00 to + 450c or better					
14.11	Color temperature 60000K + 10%					
14.12	Electronic Driver					
14.13	Drive current (LED) As per OEM.					
14.14	Operating voltage 140 V to 270 V, AC supply or better.					
14.15	Type of driver Constant current output driver					
14.16	THD Less than 15%					

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14.17	Surge Protection 2.5 KV minimum					
14.18	Efficiency Driver >85%					
14.19	Protection Shall have under voltage and over voltage protection.					
14.20	Guarantee of LED fittings including LED driver 2 years against manufacturing defect.					
14.21	Fixture Should comply with LM 79 test from UL/NABL lab.					
14.22	LED Type/ Make/ Model Power CREE/ OSRAM/ NICHIA/ Philips LUMILED with life more than 25,000 burning hours @70% lumen maintenance complying with LM 80 test report from the manufacturer.					
14.23	Life of LED 25000 burning hours at 70% lumen maintenance					
14.24	**LED Downlighter round type recess> 1275 Lumens**	2	Each	974.00	1948.00	Rupees One Thousand Nine Hundred FourtyEight Only
14.25	**LED Downlighter round type recess> 2040 Lumens**	5	Each	1164.00	5820.00	Rupees Five Thousand Eight Hundred Twenty Only
15	Supplying & fixing High perfomance LED Street light in aluminium pressure die cast housing with toughened glass cover (IP66 rating) complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.**i) LED Street light 25W Make;- bajaj,havells, Goldmedal, panasonic, Philips, Wipro,Changi**	2	Each	3022.00	6044.00	Rupees Six Thousand FourtyFour Only
	Total				98339.00	Rupees NinetyEight Thousand Three Hundred ThirtyNine Only

Draft schedule of quantity checked and approved for RS. 98,339/ only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP).

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	Job-			Estimated Cost:- Rs.48605/-only.		
				Earnest Money :- Rs.1000/-only.		
				Time :- Along with civil work		

Draft Schedule of Quantity

Name of work:- C/O Ayurvedic Health Center building at Luhakhar District Mandi H.P (SH:- Providing Accessories and LED fixtures there in)

Sr. No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In words
1	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of Expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, providing and fixing of Non-return valve, Dead weight safety valve, 2 No C.P. connection rods 18" long, making good the damages, electrical connections, safety valve connections, testing and commissioning etc. as required.complete in all respect as per entire satisfaction of Engineer- in-Charge. **i) 10 Liter capacity water heater (Cat-A) Make : - Bajaj,Racold/ Crompton**	1	Each	12285.00	12285.00	Rupees Twelve Thousand Two Hundred EightyFive Only
2	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 complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) Ceilling Fan 1200 mm sweep, Category-A MAKE :- USHA/BAJAJ/ CROMPTON**	4	Each	3843.00	15372.00	Rupees Fifteen Thousand Three Hundred SeventyTwo Only
3	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc as required.complete in all respect as per entire satisfaction of Engineer- in-Charge. **i) Exhaust Fan, Light duty, (Domestic) 300 mm sweep MAKE :- USHA/BAJAJ/ CROMPTON**	2	Each	2253.00	4506.00	Rupees Four Thousand Five Hundred Six Only
4	Supplying and fixing Ding-Dong / Electronic musical bell, suitable for D.C./A.C. single phase,230 volts complete as required complete in all respect as per entire satisfaction of Engineer- in- Charge. **.MAKE :- SSK/MK/CONA**	1	Each	208.00	208.00	Rupees Two Hundred Eight Only
5	Providing and installation of following type of Surface mounting round type LED Downlight with PDC/CRCA housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100 lm/Watt with minimum 50000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 complaince from UN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make bajaj, havells, panasonic, Philips, Wipro, LT,Chengi**	2	Each	1940.00	3880.00	Rupees Three Thousand Eight Hundred Eighty Only

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6	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 complaince fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make bajaj,havells,panasonic,Philips,Wipro,LT,Chengi**	4	Each	649.00	2596.00	Rupees Two Thousand Five Hundred NinetySix Only
7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providng and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings). **MAKE :- Havells, ABB, Legrand, L&T,schneider,C&S**	1	Each	713.00	713.00	Rupees Seven Hundred Thirteen Only
8	Supplying & fixing LED Mirror Light 1 FEET TUBE 5 W 6500 K,PC BATTEN, ,complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.**Makes:-jaquar GLAZE LED BATTEN (Cat no LGLZ01X010XW) /C&S/ Crompton/bajaj or Equivalent make.**	1	Each	371.00	371.00	Rupees Three Hundred SeventyOne Only
9	Supplying & fixing LED P 25 watt street light made up of pressure die cast aluminium housing with acrylic cover as diffuser with IP 66 Protection and impact resistance complete in all respect and to the best satisfaction of Engineer-in-charge.**Makes:-Twinkle** (Cat **NoLuxMax -PT-SLB -25 40XW)Wipro , Bajaj, Jaquar**	2	Each	3992.00	7984.00	Rupees Seven Thousand Nine Hundred EightyFour Only
10	Providing and fixing LED Lamp 9 watt Having Luman Output 840 lm, Colour temp 3000K in an existing Lamp Holder B22 Lamp Holder of Havells **Make having cat No.LHLDEUEEMC8R009** as required complete in all respects and to the best satisfaction of Engineer-in-charge. **Make:-bajaj, havells, panasonic. Philips, Wipro, LT,Chengi**	5	Each	138.00	690.00	Rupees Six Hundred Ninety Only
	Total				48605.00	Rupees FourtyEight Thousand Six Hundred Five Only

Draft schedule of quantity checked and approved for Rs. 48605/ ores

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP).

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	Job-			Estimated Cost:- Rs.71593/-only.		
				Earnest Money :- Rs.1450./-only.		
				Time :- Along wirh civil work		

Draft Schedule of Quantity

Name of work:-- C/O Toilet Block for Disabled and Transgender at Judicial Court Complex Kullu {Sh:- Prov. E.I there in.}

Sr. No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In words
1.00	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.complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) Group CMake:- Havells, Finolex,RR Kable, KEI, Grandley, Plaza,SSK**	25	Each	1283.00	32075.00	Rupees ThirtyTwo Thousand SeventyFive Only
2.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:- Havells, Finolex,RR Kable,KEI,Grandley,Plaza,SSK**					
2.01	**2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire**	40	Per Metre	209.00	8360.00	Rupees Eight Thousand Three Hundred Sixty Only
3.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.complete in all respect as per entire satisfaction of Engineer- in- Charge **Make:- Havells, Finolex,RR Kable,KEI,Grandley,Plaza,SSK**					
3.01	**3x1.5 Sq. mm.**	20	Per Metre	93.00	1860.00	Rupees One Thousand Eight Hundred Sixty Only
4.00	Providing and installation exhaust fan of following sizes in the existing opening, Double ball bearing type metal frame including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make :atomberg ,Havells, Orient, Gold Medal, Bajaj**					

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4.01	**Exhaust Fan, Light duty, (Domestic) 300 mm sweep**	5	Each	2495.00	12475.00	Rupees Twelve Thousand Four Hundred SeventyFive Only
5.00	Providing and installation of following type of LED Batten with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 100lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver;relevent LM 79/80 complaince fromUN/NABL Lab suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make;- bajaj,havells, Goldmedal, panasonic, Philips, Wipro,Changi**					
5.01	**LED Batten Light 10W**	5	Each	547.00	2735.00	Rupees Two Thousand Seven Hundred ThirtyFive Only
6.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required complete in all respect as per entire satisfaction of Engineer- in-Charge. **Make:- Havells,ABB, Legrand, L&T, schneider, C&S, SSK**					
6.01	**Single pole 10 Amp Cat-A.**	4	Each	241.00	964.00	Rupees Nine Hundred SixtyFour Only
7.00	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V. residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **.Make:- Havells,ABB, Legrand, L&T, schneider, C&S, SSK**					
7.02	**40 Amps.(Category-A)**	1	Each	2729.00	2729.00	Rupees Two Thousand Seven Hundred TwentyNine Only
8.00	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit braker suitable for inductive load of following poles in the exsisting MCB DB complete with connections, testing and commissioning etc. as required **Make:- Havells,ABB, Legrand, L&T, schneider, C&S, SSK**					
8.01	**40 Amp Double pole.(Category-A)**	1	Each	1330.00	1330.00	Rupees One Thousand Three Hundred Thirty Only

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9.00	upplying 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.complete in all respect as per entire satisfaction of Engineer- in- Charge. (But without MCB/RCCB/Isolator) **Make: Havells,ABB, Legrand, L&T, schneider, C&S, SSK**					
9.01	**8 way , Double door**	1	Each	2300.00	2300.00	Rupees Two Thousand Three Hundred Only
10.00	Providing and installation of following type of Surface mounting round type LED Downlight with polycarbonate housing ,anti glare polycarbonate diffuser,surge protection 2.5 KV luminaire efficacy > 85lm/Watt with minimum 25000 burning hours,THD<15% in white finish and seprated energy efficient constant current, non-integral, electronic driver relevent LM 79/80 complaince from UN/NABL Lab; suitable for input voltage: AC 140-270 V, 50/60Hz, complete with all accessories, connections, testing etc. as required: of Approved Make .**Make;- bajaj,havells, Goldmedal, panasonic, Philips, Wipro,Changi**					
10.10	**Round LED Down Light 12W Surface**	10	Each	631.00	6310.00	Rupees Six Thousand Three Hundred Ten Only
11.00	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.complete in all respect as per entire satisfaction of Engineer- in- Charge.**Make:- Havells,Goldmedal,Anchor,**	5	Each	91.00	455.00	Rupees FiftyFive Only
	Total				71593.00	Rupees SeventyOne Thousand Five Hundred NinetyThree Only

Draft schedule of Quantity checked and approved for RS. 71593/- only

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP).

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	Job-			Estimated Cost:- Rs.33461/-only.		
				Earnest Money :- Rs.700/-only.		
				Time :- One Month		

Draft Schedule of Quanitity

Name of Work:Providing ceiling fan . LED Fixture in Renovating Health Sub centre Chowk at Baldwara Tehsil Sarkaghat Distt Mandi

Sr. No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In words
1.00	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.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make : atomberg (Efficio),Havells(Efficia Neo),Orient(hector 500),Gold Medal(Maruti),Bajaj(efficia)**					
1.01	Ceiling fan 1200 mm sweep (Category -A)	3	Each	2655.00	7965.00	Rupees Seven Thousand Nine Hundred SixtyFive Only
2.00	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.complete in all respect as per entire satisfaction of Engineer- in- Charge.**Make :atomberg ,Havells,Orient,Gold Medal,Bajaj**					
2.01	Exhaust Fan, Light duty, (Domestic) 300 mm sweep	3	Each	2244.00	6732.00	Rupees Six Thousand Seven Hundred ThirtyTwo Only
3.00	Providing and fixing recess mounted Square/Round LED downlight 6 Watt with Al die-cast body finish with drop down PC diffuser to deliver low glare illumination with optimized heat sink for efficient heat dissipation complete with Connection,testing commissioning etc as required in all respect as per entire satisfaction of the Engineer in charge. **Make : bajaj,havells,panasonic,Philips,Wipro,LT,Changi**	3	Each	810.00	2430.00	Rupees Two Thousand Four Hundred Thirty Only
4.00	Providing and fixing LED SURFACE 24 W LED 6500 K Of (HevellsTrim Cosmo surface Square/ Round Panel) Make having cat No LHEAABP7IL1W024) (LHEAABP7IN1W024) with aluminium die cast housing of superior quality complete with Connection,testing commissioning as required complete in all respect as per entire satisfaction of the Engineer in charge. **Make : bajaj, havells, panasonic, Philips, Wipro, LT, Changi**	4	Each	2365.00	9460.00	Rupees Nine Thousand Four Hundred Sixty Only

5.00	Supplying & fixing Decorative ultra slim aluminium LED TUBE 22 W LED 6500 K LHEXACP7IN1S022,PC BATTEN, ,complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge. **Make : bajaj, havells, panasonic, Philips, Wipro, LT, Changi**	2	Each	608.00	1216.00	Rupees One Thousand Two Hundred Sixteen Only
6.00	Supplying and fixing brass batten/angle holder including connections etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge.	2	Each	88.00	176.00	Rupees One Hundred SeventySix Only
7.00	Supplying & fixing 25 Watt LED Street light in aluminium pressure die cast housing with toughened glass cover (IP66 rating) complete with all accessories ,connections, testing and commissioning etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.**(Make : Wipro / Bajaj / Phillips / Jaquar / (Twinkle) Lux Max ,Hevells)**	2	Each	2544.00	5088.00	Rupees Five Thousand EightyEight Only
8.00	Providing and fixing LED BULB 10 W B22 / E27/E14 base cap connections, etc.as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make : bajaj, havells, panasonic, Philips, Wipro, LT, Changi**	2	Each	197.00	394.00	Rupees Three Hundred NinetyFour Only
	Total				33461	Rupees ThirtyThree Thousand Four Hundred SixtyOne Only

Deaft schedule of Quantity checked and approved for RS. 33461/ only.

Executive Engineer,
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(11)

	Job-			Estimated Cost:- Rs.99854/-only.
				Earnest Money :- Rs.2000/-only.
				Time :- One Year

Draft Schedule of Quantity

Name of work:- Providing wiring and other electrical accessories for lift in MCH Building at Sunder Nagar Distt Mandi HP

Sr. No.	Description	Qty.	Units	Estimated rate with all taxes includng GST etc. In Rs. P	Total amount with all taxes including GST etc. In Rs. P	Total amount with all texes including GSTetc. In 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.complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) Group C Make:- Havells, Finolex, RR Kable, KEI, Grandley, Plaza,SSK**	9	Each	1283.00	11547.00	Rupees Eleven Thousand Five Hundred FourtySeven Only
2	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:- Havells(REO)(Athena),Goldmedal(Air)(GIFa),Anchor(Penta),Legrand (arteor),L&T(Entice),SSK**	7	Each	431.00	3017.00	Rupees Three Thousand Seventeen Only
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:- Havells(REO) (Athena), Goldmedal(Air) (GIFa), Anchor (Penta), Legrand (arteor),L&T(Entice),SSK**	1	Each	544.00	544.00	Rupees Five Hundred FourtyFour Only
4	S/E of LED bulk head IP 66 rated with aluminium body/PDC housing The fitting should be installed on existing surface The job includes carriage, erection, making connections testing and commissioning of the fittings as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:- bajaj,havells, Goldmedal, panasonic, Philips,Wipro, Changi.**	6	Each	1126.00	6756.00	Rupees Six Thousand Seven Hundred FiftySix Only

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5	S/E of LED Batten with polycarboante body and diffuser The fitting should be installed on existing surface/recess The job includes carriage, erection, making connections testing and commissioning etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:- bajaj, havells,Goldmedal,panasonic,Philips,Wipro,Changi**	2	Each	610.00	1220.00	Rupees One Thousand Two Hundred Twenty Only
6	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:- Havells, Finolex, RR Kable, KEI, Grandley, Plaza,SSK**					
6.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	20	Per Metre	209.00	4180.00	Rupees Four Thousand One Hundred Eighty Only
6.02	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	20	Per Metre	315.00	6300.00	Rupees Six Thousand Three Hundred Only
6.03	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	4	Per Metre	425.00	1700.00	Rupees One Thousand Seven Hundred Only
7	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) Single pole Make:- Havells,ABB, Legrand, L&T,schneider ,C&S, SSK**	2	Each	241.00	482.00	Rupees Four Hundred EightyTwo Only
8	Supplying and fixing following rating, followings poles 10ka 240/415v 'C' curves miniature circuit braker suitable for inductive load of following poles in the exsisting MCB DB complete with connections, testing and commissioning etc. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) 40 A DP Make:- Havells,ABB,Legrand,L&T,schneider,C&S, SSK**	1	Each	1330.00	1330.00	Rupees One Thousand Three Hundred Thirty Only
9	Supplying and fixing following rating, follwing pole, 240/415 V(four pole), 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.complete in all respect as per entire satisfaction of Engineer- in- Charge. **i) 63 A Four Pole Make:- Havells,ABB,Legrand, L&T, schneider ,C&S, SSK**	1	Each	2950.00	2950.00	Rupees Two Thousand Nine Hundred Fifty Only
10	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.complete in all respect as per entire satisfaction of Engineer- in- Charge. (But without MCB/RCCB/Isolator) **i) 6 way , Double door Make:- Havells,ABB,Legrand,L&T,schneider,C&S, SSK**	2	Each	2187.00	4374.00	Rupees Four Thousand Three Hundred SeventyFour Only

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11	S/E of MCCB 4 Pole 415 Volt. with Microprocesser Release for overload and short circuit protection breaking Capacity (Ics=100% Icu with positive isolation) with/ without Spreader/ Rotary Handle. as required.complete in all respect as per entire satisfaction of Engineer- in- Charge. **Make:- Havells, ABB, Legrand, L&T,schneider,C&S, SSK**					
11.01	MCCB 40- 100 Amp. 36 ka 4 Pole Release with rotary handle	1	Each	29322.00	29322.00	Rupees TwentyNine Thousand Three Hundred TwentyTwo Only
12	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.complete in all respect as per entire satisfaction of Engineer- in-Charge. **i) Armoured cable 35 sq. mm (3.5 core) Make:- Universal Cables,KEI,Havells,Grandley**	20	Per Metre	456.00	9120.00	Rupees Nine Thousand One Hundred Twenty Only
13	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.complete in all respect as per entire satisfaction of Engineer- in- Charge.	2	Each	7036.00	14072.00	Rupees Fourteen Thousand SeventyTwo Only
14	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.complete in all respect as per entire satisfaction of Engineer- in- Charge.	70	Per Metre	42.00	2940.00	Rupees Two Thousand Nine Hundred Fourty Only
	Total				99854.00	Rupees NinetyNine Thousand Eight Hundred FiftyFour Only

Draft schedule of quantity checked and approved for Rs. 99854/ only.

Executive Engineer,
Electrical Division,
HPPWD Mandi (HP).

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