HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT

No.:PW/EDP/CB/TA/CONT/2022-23/ 4/31-39

Dated: 05 8 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-26th July 2021.

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

DA/NIT, SQs

Executive Engineer
Electrical Division
HPPWD Palampur

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

1. The Superintending Engineer, 2nd Electrical Circle, HPPWD Dharamshala.

2. The Drawing Branch in this office.

3. All the Assistant Engineers working under this division.

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 17.08.2022 up to 11.00 AM, and the same shall be opened on the same day at 11.30 A.M. in the presence of intending contractors or their authorized representatives. The tender documents can be had from hppwd.gov.in.

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

Conditions:

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

2. The contractor should have to attach work done certificate, GST registration certificate & EPF registration

certificate with each tender, failing which the tender will be rejected.

Sr.	Name of Work	Estimate	Earnes	Time Limit	Form	Cost of
No		d Cost	t		No.	Form
			Money			
. 1	Additional Alteration to Civil Hospital at	331746/-	6700/-	One Year	8	350/-
	Nurpur in Tehsil Nurpur Distt. Kangra					
	(H.P)(SH:- C/o Toilet Block at Ground, 1st &					
	2nd Floor) (SH:- Providing E.I. therein).	1001001	4000/	т	8	250/
2	Repair & Maintenance of E.I. to various Govt.	198400/-	4000/-	Two Months	8	350/-
	Non-Residential buildings of 500 bedded		,	MONUS		
	Hospital Dr. RPGMC Kangra at Tanda. (SH: Rewinding of ceiling fans, replacement of fan		1			
	condensers, fan regulators, extra down fan					
	rods and ball bearing etc. in various Wards of					
	Ground floor to fourth floor and OPD area					
	therein).			100		
3	Repair & Maintenance of HVAC system	498850/-	10000/-	One year	8	350/-
	installed in Auditorium Building Dr. RPGMC					
	Kangra at Tanda (SH: Replacement of	,				
	defective valves/insulation of chilled water	2.				
	lines, rewinding of motor, servicing of AHUs			-		
22	and overhauling of chilled water pumps					
4	thereof). Providing Earthing/lighting arrester to various	318526/-	6400/-	One Month	8	350/-
4	blocks at NIFT Chheb Campus at Kangra	3103207-	04007-	One Month	0	330/-
	(H.P.).	9/				
5	Repair & Maintenance of Portable Fire	113715/-	2300/-	One Month	8	350/-
	Extinguishers of different capacity and types	- Al	200711 O (SAN (KO-42000-))			
	in G,F. to 5 th floor, Service area & Fire Pump	420				
	Room of SSB therein for the year 2022-2023	37.				
6	Providing & fixing Split type 2.0 Ton Air	100227/-	2000/-	Three	8	350/-
	Conditioner (Hot & Cold type) in the chamber	Asy.		Months		
	of Superintending Engineer (B&R) 9 th Circle					
	HPPWD Nurpur Distt. Kangra H.P.	115000/	2200/	One Month	8	350/-
7	Hiring of DG set 125 KVA for Audio system in	115000/-	2300/-	One Worth	0	350/-
	HPCA Cricket Stadium Dharamshala (i.e. cost of hiring DG set for 8 days).					
	cost of filling DG set for 6 days).		1			

8	Providing & fixing 125 Kva DG sets for Audio System in HPCA Cricket Stadium.	288534/-	5800/-	One Month	8	350/-
9	Providing & Fixing Campus Lighting and fixing of Security Lights in backside of Minister Block in Circuit House at Dharamshala.	316066/-	6400/-	One Month	8	350/-
10	Providing & Fixing Flood Lights in Police Ground, Sai Ground, and Running Operation of E.I. to HPCA Cricket Stadium Dharamshala during Hon'ble' Prime Minister tour (National Conference of Chief Secretaries).	130234/-	2600/-	One Month	8	350/-
11	R/M of E.I to Various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HP PWD Palampur Distt. Kangra (H.P) for the year 2022-2023.	261856/-	5300/-	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/c 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 1 No. Type-IV Doctor Qtr. at PHC Dhameta in Teh. Fatehpur, Distt. Kangra (SH:- Providing El there in)	102950/-	2100/-	One year	8	350/-
16	Repair and Maintenance of Tower type A.C in ICU, Ward I, II and spilt AC in Dr. Duty room etc. installed in Makeshift Covid Hospital Dr. RPGMC Kangra at Tanda for the year 2022-23.	202150/-	4200/-	One Year	8	350/-
17	Providing and fixing of 3.5 KVA UPS inverter in Minister Block Circuit House HPPWD at Dharamshala, Distt. Kangra, HP.	100784/-	2100/-	One Month	8	350/-
	*is			97		

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NAME OF WORK :- Add Nurpur Distt. Kangra (H (SH:- Prov. E.I. therein)	NAME OF WORK :- Additional Alteration to Civil Hospital at Nurpur in Tehsil Nurpur Distt. Kangra (HP) (SH:- C/O Toilet Block at Ground, Ist & 2nd Floor) (SH:- Prov. E.I. therein)	Job	Job No. 1	ESTIMATED COST: Rs.3,31,746/-only EARNEST MONEY: Rs. 6700/-only TIME ALLOWED: One Year	Rs.3,31,746/-on Rs. 6700/-only ne Year	ıly.
Sr.	DESCRIPTION	QTY.	F	RATES	TINU	AMOUNT
No.			FIGURES	WORDS		
1 Wiring sq.mm	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 /	l.		£		
reces	recessed steel conduit, with modular switch, modular plate, suitable GI box					
and	earthing the point with 1.5 sq.mm FRLS PVC insulated copper					
condu	conductor single core cable etc. as required. Make: KEI/Plaza/Anchor/					
Anch	Anchor (Roma Plus)/Schneider (Livia)/ Legrand (Myrius) /L&T(Entice).					
i) Group C	C.	48			Per Point	6
2 Supplying	ing and fixing suitable size GI box with modular plate and cover in		¥		30	
modu	modular socket outlet and 5/6 amps modular switch, connection etc. as	ω			Each	
requi	required. Make: Anchor (Roma Plus)/Schneider (Livia)/ Legrand				,	
(Myri						
3 Wirin	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper		A Zee			
condu	conductor single core cable in surface/ recessed steel conduit alongwith 1))			Der Meter	*
No 4	No 4 sq. mm FRLS PVC insulated copper conductor single core cable for	1				
loop	loop earthing as required. Make: KEI/Plaza/Anchor/ SCI.					
4 Wirin	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper				i	
cond	conductor single core cable in surface/ recessed steel conduit alongwith 2	သ	1	4.	Per Meter	
. Nos	Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for	, (
loop porthing of required Make: KEI/Diaza/Anchor/SCI			-45-80			-

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Providing and fixing LED Bulk head of following rating with pressure die casting aluminium housing and it should be compatible with specification i.e. Power Factor ≥ 0.9, Harmonic Distortion <20% and efficacy ≥ 100 Lumens per watt, CRI rating> 70 suitable for input voltage: 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning etc. as required.	LED Down Light 18 watt, (Make: Panasonic Cat no PPAM17187)/Bajaj/Wipro	Providing and installation of following type of Surface mounting Square/round type LED down light luminaire CCT(K)- 6500 with specifications i.e. Power factor > 0.9 , Harmonic Distortion < 20% and efficacy > 100 lumens per watt, CRI rating>80, suitable for Input voltage: AC 220-240 V, 50/60 HZ complete with all accessories, including connections, testing and commissioning etc.as required complete in all respects.	3x1.5 Sq. mm.	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. Make: KEI/Plaza/Anchor/SCI.		iii) 4 X 10 sq. mm + 2 X 6 sq. mm earth wire	ii) 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. Make: KEI/Plaza/Anchor/SCI.	Bullyon of or organization with the minimum and switch earth wife with the lollowing
	12		36		15		75		
	*20	¥.	×				7		
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		2 m x							
	Each	,	Per Meter		Per Meter	Per Meter	Per Meter		
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j	12	_	11	ij	10		9	i)
Single pole (Make:- Anchor/ Schneider/ Legrand/L&T)	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	i) 25 Liter capacity water heater (Cat-A)	Providing and installation of stationary storage type Electric water heater (Geyser) of various sizes by means of expansion-bolts with nuts and washers, including embedding of expansion-bolts in the wall, making good the damages, electrical connections, testing etc. complete as required:-	Exhaust Fan, Light duty, (Domestic) 300 mm sweep (Make: Usha, Model: Aeroclean LD)/Bajaj (Model: Bahar)/Anchor (Model: Anmol).	Providing and installation exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required.	no.BCLAB 20	Supplying & fixing following type of Surface mounted luminaires, white power coated CRCA housing diffusser to avoid glaire, it should be compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion < 20% and efficacy > 100 Lumens per watt, CRI rating> 70 suitable for input voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections, testing and commissioning at a great required	10 Watt, Bulk Head LED (Make:-Bajaj cat no. BIBWP 10W LED)/ Panasonic/Wipro
10	3	4	227	0	<i>w</i>	12	// 10 10	18
			tes		×			
-		W						
Each		Each	,	each	À.	Each		Each
					385			

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18	17	16		35	j)	14	i)	-à
Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.		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.	i) Double door-8 way	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) (Make:- Anchor/ Schneider/ Legrand/L&T)	40 Amps. (Make:- Anchor/ Schneider/ Legrand/L&T)	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.	i) 40 Amps. (Make:- Anchor/ Schneider/ Legrand/L&T)	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.
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		* Z.M	* 1			The state of the s		
	•							
Per Meter	Per Meter	Per Set	Each		Each		Each	

				· -					
i) Enclosure for MCCB	24 Providing and fixing Enclosure for MCCBs suitable for 3 MCCBs etc. as required. Make: Anchor/ Legrand/L&T.	i) 63 Amp 10KA	23 Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. Make: Anchor/ Legrand/L&T.	switch box excluding modular plate as required.	21 Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess i/c providing and fixing 25 amp modular socket outlet and 25 Amps modular SP MCB, "C" curve including connection, painting etc. as required. Make: Anchor (Roma Plus)/Schneider (Livia)/ Legrand (Myrius)/L&T(Entice).	i) 25 mm. dia	20 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:- (Make: BEC Plast/Anchor)	i) 25 mm. dia	or cutting the wall and making good the same in case of recessed conduit as required. (Make: Sidharth/BEC)
	3Pole & 4Pole		capacity MCCB with existing cubicle panel g connections, etc. as			(J)	along with the and making good (Make: BEC	On	surface conduit, essed conduit as
3 -	12	<u> </u>	,	10	4	51		01	
		* to		2					
							4		
each		each	,	each	each	Per Meter		Per Meter	

			26		<u>-</u>			100
TOTAL	the fixing of SFU including painting and bonding to the existing earth as required:-	minus 5mm, welded frame work made of M.S. angle iron 35mm x 35mm x	Supplying and erection of wall mounted metal frame structure for switch gear mounting of suitable size, with permissible variation in size of plus		i) 63 A Copper Busbar Chambers 15" (SS Enclosure)	other accessories including drilling holes on the board, making connections, earthing etc. as required.	suitable for following current carrying capacities, enclosure made of sheet steel, dust protected, duly powder painted with detachable gland plate and	capacity with 4 No. copper strip bus-bars each of length and x-section
		0.5	ž.		_			
	a		1					
14		Per Sq. mtr.			each			
-				+				

NAME Reside (SH: R extra c	NAME OF WORK: Repair and Maintenance of E.I. to various Govt. Non-Residential Buildings of 500 Bedded Hospital Dr. RPGMC Kangra at Tanda. (SH: Rewinding of ceiling fans, replacement of fan condensers, fan regulators, extra down fan rods and ball bearing etc. in various Wards of ground floor to fourth floor and OPD area therein)	Jok	Job No. 2	ESTIMATED COST: Rs1,98,400/-only. EARNEST MONEY: Rs.4000/-only TIME ALLOWED: Two Months	,98,400/-only 4000/-only lonths	Ÿ.
Sr.	DESCRIPTION	VIC		RATES		
NO.			FIGURES	WORDS	2	ANICON
			RATE			
⊢	Rewinding of ceiling fan 1200/1400 mm sweep new model with copper insulated wire HTP-34 number including varnishing, capacitor, ball bearing etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	251			Each	
2	Providing and fixing extra conduit down rod of 20mm dia. x 60 cm with 16/0.20 mm twin twisted flexible, cotton braided, copper cable including painting, connections etc. as required:-	10	2	3 [™] N	Each	×
ω	Replacement of Fan Condenser 2.5 MFD of Philips/Bajaj or equivalent make suitable for 1200/1400 ceiling fans as required complete in all respects and to the best satisfaction of Engineer-in-charge.	250			Each	
4	Supplying and fixing stepped type fan regulator on the existing modular box including making connections etc. as required.	50		×	Each	
	Total		* Les			

	4			7		
	Each	12c		ω	line complete in all respects and to the best satisfaction of Engineer-in-charge.	
	Each		*2	o	complete in all respects and to the best satisfaction of Engineer-in-charge. Supplying and fixing of stainless steel strainers for 'V' striners as required for chiller line.	
	Per Meter		x d	48	respects and to the best satisfaction of Engineer-in-charge. Supplying and fixing of program for the same states and the same states are same states and the same states are same states and same states are same states are same states and same states are same states are same states are same states and same states are	D (
	Per Job		*	O	respects and to the best satisfaction of Engineer-in-charge. Replacement of defective inculation of Engineer in all incomplete in all inc	υ t
	Each			11		٠ .
	Per Job			<u> </u>	of 3 phase, 7 varnishing and ation of Engine	N
	Per Job			ωĺ	Overnauling of chilled water pumps i.e. dismantling and refixing of water pumps along with repair and replacement of water pump seal, bearing etc. as required complete in all respects and to the best satisfaction of Engineer-in-charge.	-
		WORDS	FIGURES			ا ا
AMOUNT	UNIT	RATES		QTY.	DESCRIPTION	Sr.
ily.	1,98,850/-on 10000/-only nths	ESTIMATED COST: Rs.4,98,850/-only. EARNEST MONEY: Rs. 10000/-only TIME ALLOWED: Six Months	No 3	Job	NAME OF WORK: Repair & Maintenance of HVAC system installed in Auditorium Building Dr. RPGMC Kangra at Tanda. (SH: Replacement of defective valves/insulation of chilled water lines, rewinding of motor, servicing of AHUs and overhauling of chilled water pumps thereof)	NAME Audito defect of AHI
			YTI	OF QUANTI	LE	

	SCHEDULE OF QUANTIT	UANTI	YT		
NAME NIFT C	NAME OF WORK :- Providing Earthing/Lighting arrester to various blocks at NIFT Chheb Campus at Kangra(H.P).	dob	Job No. 4	ESTIMATED COST: Rs.3,18,526/-only EARNEST MONEY: Rs. 6400/-only TIME ALLOWED: One Month	.3,18,526/-only. . 6400/-only Vlonth
Sr.	DESCRIPTION	QTY.		RATES	TNDOMA
		-	FIGURES	WORDS	
				4	
⊢	Earthing with copper earth plate 600 mmx600 mmx 3 mm thick, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/coke and salt complete as required.	8			Per Set
2	Providing and fixing of lightning conductor finial, made of 25 mm dia. 300 mm long copper tube, having single prong at top, with 85 mm dia 3 mm thick copper base plate including holes etc. complete as required.	∞			Each
ω	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for horizontal run)	150			Per Meter
4	Supplying and fixing copper tape 20mmx3mm thick on parapet or surface of wall for lightning conductor as required (for vertical run)	100	55		Per Meter
	TOTAL			~	

	1				
	.			Refilling of Fire extinguishers DCP type Trollye on mounted wheel 25 kg Capacity.	c
	4.		3	Refilling of Portable Fire extinguishers Mechanical Foam type 9 liters Capacity. Complete in all respect.	0 00
	,		2	of Portable Fire city complete in all	7
	,		13	of Portable Fire city complete in all	o
		Files	<u> </u>	of Portable Fire complete in all re	On On
	~		_	Refilling of Portable Fire extinguishers ABC type(filled with 50 Map Powder) 1 kg capacity complete in all respec	4
			13	Refilling of Portable Fire extinguishers Water Co2 Gas Cartridge type capacity 9 litrs. Complete in all respect,	ω
			6	Refilling of Fire extinguishers,CO2 type 9.0 kg. Capacity complete in all respect.	N
			32	Refilling of Portable Fire extinguishers,CO2 type 4.5 kg. Capacity complete in all respect.	
	WORDS	FIGURES			
	RATES		QTY.	DESCRIPTION	Sr.
Rs.1	ESTIMATED COST: Rs.1,13,715/-only. EARNEST MONEY: Rs.2300/-only TIME ALLOWED: One Month	Job No. 5	Job	NAME OF WORK: Repair and Maintenance of Portable Fire Extinguishers installed in the Super Specialty Block Dr. RPGMC at tanda(SH: Refilling of Portable Fire Extinguishers of different Capacity and types in G.F. to 5th floor, Srvice Area & Fire Pump Room of SSB theirin for the Year 2022-2023	NAMI insta Porta Srvic
		YTI	UANT	SCHEDULE OF QUANTITY	Γ

Replacement of Co2 Cylinder 9.0 kg. cap. Discharge pipe with flexible Hose complete in all respect 3	Cylinder 9.0 kg. cap. Discharge pipe with flexible Hose
J. J. J.	

	SCHEDULE OF QUANTIT	JANTITY				
NAME & Cold HPPWI	NAME OF WORK :- Providing and fixing Split type 2.0 Ton Air Conditioner (Hot & Cold type) in the chamber of Superintending Engineer (B&R) 9th Circle HPPWD Nurpur Distt. Kangra HP.	Job No.	9	ESTIMATED COST: Rs.1,00,227/-only EARNEST MONEY: Rs. 2000/-only TIME ALLOWED:Three Months	00,227/-or 000/-only onths	ıly.
Sr.	DESCRIPTION	QTY.		RATES	TINU	AMOUNT
No.		-	FIGURES	WORDS		
		l				
1. 0	Supplying, installation, testing and commissioning of 2.0 Ton (Hot & Cold) Invertor Split type Air-Conditioning unit of following make confirming to I.S.I1391 PART-1992 with ammendment No. 1 (expect power consumption norms) fitted with hermatically shielded air-compressor as required complete in all respects.					
i)	A.C. Unit 2.0 Ton capacity				1	
	Makes: Daikin 1.8 Ton (Hot &Cold) Invertor Split type (Model No. : FTHT60/Mitsubishi/Voltas				Each	
2.0	S/F wall mounting voltage stabilizer 5 KVA (Microtek make) automatic type with output 240 Volts with voltage regulator range from 130 volts to 300 volts and Auto cut off beyond this range and time delay operation for the surges and fluctuations suitable for 1.5 TR capacity Split AC making connections etc. as required.	26	\$ 255		4	, ,
ij	Make: V- Guard (CAT No. VGB 500 Digital 15 Amp, 130 to 300 Volt)/ Whirlpool/Godrej.		a. Fi		Each	
3.0	P/F of M.S out door heavy duty stand powder coated suitable to hang 1.5/2 TR split A.C with six Nos. Anchor bolts as required complete in all respects and as per direction of Engineer - in- charge.	1		•	Each	
4.0	S/F of Copper tube with insulation for A.C 1.5 TR capacity complete in all respects as required.	4		4	p/Mtr.	
5.0	S/F of PVC Drain pipe of size 1 Dia (25mm) complete with elbows tees,socket etc. of superior quality as per satisfacation of Engineer-In-Charge.	4		2	P/Mtr.	,

	=	6.0
Total	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	6.0 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. Make: KEI/Plaza/Anchor.
	12	
	1	
	P/Mtr.	

	No.				Total	
_						1
y	P/Day			00	*	
					Dharamshala complete in all respect as required at site	
				N. S.	Hirmon of DG cat 125 VVA for 8 Dans at the size 1 TIDGA G 11 Car.	
		WORDS	FIGURES			
UNIT AMOUNT	UNI	RATES		QTY.	DESCRIPTION	Sr.
nly	2300/-or onth	EARNEST MONEY: Rs.2300/-only TIME ALLOWED: One Month	5 No. 7	Job	Stadium Dilaramshala (i.e. cost of niring DG set for 8 Days)	ladin
)/-only.	,15,000	ESTIMATED COST: Rs 1,15,000/-only.	200		NAME OF WORK:Hiring of D G set 125 KVA for Audio System in HPCA Cricket	AME
			ATITA	OF QUA	DRAFT SCHEDULE OF QUANTITY	

	(E)	2												-	H			Sr.	HPCA	2 2 2
MCCB 400A 4P 36KA TMR With O/L & S/C & E/F Protection	Incomer (A)		Assembly Charges of Accessories like Gasket, Doorlocks, Copper Flexible door earth, legend plates etc.Conforming IS :8623 Par-I 1993	of control wire shall be 2.5 sq. mm copper flexible for C.T. Circuit & 1.0 sq. mm for Control & 1.0sq. mm for Scada Wiring) with thimbles printed sleeves, tie & belt etc.	fields side are supported by conical, L & Finger type insulators of adequate size to support & sustain the weight of cables. Control Wiring with Copper Flexible Wire (size	& ACB/ SWITCH to field side for Cable termination duly covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black. All Interconnections of	Approximate Size of Panel H- (750+450)H X 750L X 350 D. Assembly Charges of Aluminium/Copper solid/ Copper flexible wire intercopperation Bushar to ACD/SWITCH	Busbar supports shall be DMC epoxy Insulators. All Busbars Links shall be covered, insulated with Heat Shrinkable sleeves of coloured coded. Red. Yellow: Rlue & Rlack	Vertical) & Earth strip throughout the length of Panel (current density of Aluminium Busbar shall be lmmx1mm=1.0 Amp.) Aluminium shall be Electric Grade E-91E.	Grey Powder Coated paint, Assembly Charges of 400A 4 strip Aluminium Busbar (properly supported compartmentalized bus-bars, interconnection between bus bars and switchgear with auxiliary bus bars/insulated conductors/strips etc. It shall be fabricated in	arrangement for incoming and outgoing cables/bus ducting, switchgear, insulated and	Supplying, Installation, Testing and Commissioning of outdoor single door, Cubical type L.T. main panel. The Panel shall be compartmentalized type having space and	Armoured cable 70 sq. mm (3.5 core)	wall surface as required.	Providing & Laying of one number aluminium conductor, PVC insulated and		DESCRIPTION	NAME OF WORK:Providing and Fixing 125 KVA DG sets for Audio System in HPCA Cricket Stadium Dharamshala	
		3	***			tie.	_							140				QTY.	Job	3000
		10.00	.6			* zu			w	r							FIGURES		Job No. 8	
3.		4	4				-			70 A					4		WORDS	RATES	ESTIMATED COST: Rs 2,88,534/-only EARNEST MONEY: Rs.5800/-only TIME ALLOWED: One Month	
			4				P/Job		8	,= -				P/Mtr				UNIT	2,88,534/-c .5800/-only Month	
													4					AMOUNT	only.	

		(ii)				(i)	ω																						(ii)	
Total	Busbar will be of Aluuminium,Bus bar 300 Amp Size 30x10x1x3.5 R		BUSBAR OF FEEDER - CABLE TERMINATION DIRECT TO SPREADERS	Automation of ATS	Change over switch 250 Amp			door earth, legend plates etc.Conforming IS:8623 Par-1 1993	& belt etc. Assembly Charges of Accessories like Gasket, Doorlocks, Copper Flexible	1.0 sq. mm for Control & 1.0sq. mm for Scada Wiring) with thimbles printed sleeves, tie	Flexible Wire (size of control wire shall be 2.5 so mm conner flexible for C.T. Circuit &	All Interconnections of fields side are supported by conical, L & Finger type insulators of	insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue & Black.	ACB/ SWITCH & ACB/ SWITCH to field side for Cable termination duly covered/	Charges of Aluminium/Copper solid/ Copper flexible wire interconnection Busbar to	Black. Approximate Size of Panel H- (750+450)H X 750L X 350 D . Assembly	covered/ insulated with Heat Shrinkable sleeves of coloured coded Red, Yellow, Blue &	91E, Busbar supports shall be DMC epoxy Insulators. All Busbars Links shall be	Aluminium Busbar shall be 1mmx1mm=1.0 Amp.) Aluminium shall be Electric Grade E-	Busbar (Vertical) & Earth strip throughout the length of Panel (current density of	with Siemens Grey Powder Coated paint, Assembly Charges of 400A 4 strip Aluminium	fabricated in 14G/16G CRCA sheet,(750+450)H X 750L X 350 D angle duly painted	bus bars and switchgear with auxiliary bus bars/insulated conductors/strips etc. It shall be	insulated and properly supported compartmentalized bus-bars, interconnection between	having space and arrangement for incoming and outgoing cables/bus ducting, switchgear,	comprising of Automatic Transfer Switch The Panel shall be compartmentalized type	Supplying, Installation, Testing and Commissioning of outdoor double door Panel	Busbar will be of Aluuminium, Bus bar 500 Amp Size 50x10x1x3.5 R	Outgoing	BUSBAR OF FEEDER - CABLE TERMINATION DIRECT TO SPREADERS
***					100											_		l												
					*2	ď.			*	2																				
	14"											,							The second second											
							,		sr.			10 m				P/Job														

	SCHEDULE OF Q	QUANTI	YTI			
NAME Lights	NAME OF WORK:Providing and Fixing Campus Lighting and fixing of Security Lights in backside of Minister Block in Circuit House at Dharamshala	Job	b No. 9	ESTIMATED COST: Rs 3,16,066/-only. EARNEST MONEY: Rs.6400/-only TIME ALLOWED: One Month	3,16,066/-o 3400/-only onth	nly.
Sr.	DESCRIPTION	QTY.		RATES	FIN	200
			FIGURES	WORDS) in Column
_	Providing and erection of LED Post Top 35 watt Street light luminaires powder coated pressure die-cast aluminium with heat resistant toughened glass including connections, testing and commissioning etc. as required.	ź		4		
i)	LED Post Top light - 35 watt. Make:- Wipro (Cat. No. LP07-431-XXX-57-CL) / Bajaj/ Panasonic					
		10			Each	
Ν.	Providing and erection of LED Post Top 60 watt Street light luminaires powder coated pressure die-cast aluminium with heat resistant toughened glass including connections, testing and commissioning etc. as required.					
j)	LED Post Top light - 60 watt. Make:- Wipro (Cat. No.LP05-711-XXX-65-XX) / Bajaj/ Panasonic	ω		5		
				-	200	
c	Supplying and fixing 6 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	<u> </u>	* Zes			
ij	Single pole (Make:- Anchor/ Schneider/ Legrand/L&T)	10			Each	
4	Supplying and fixing Polycorbonate Box including din bar to fix MCB & Cable termination link, complete with fixing in the existing wall including making good the damages etc. as required complete in all respects. Make: Sintex or equivalent	10		-	Each	
77	& Joving of one pumpher of the control of the contr	1				
-	and PVC sheathed unarmoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.	Sy.			5	
=	Un Armoured cable 4 sq. mm (twin core)	700			P/Mtr	/

Г	T	T		
	Į	7		0
Total	Armoured cable 6 sq. mm (twin core)	and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes on wall surface as required.	Armoured cable 6 sq. mm (Twin core)	Providing & Laying of one number aluminium conductor, PVC insulated and PVC sheathed armoured/ XLPE power cable, 1.1 KV grade of following sizes direct in ground including excavation and refilling the trench etc as required, but excluding sand cuishioning and protective covering.
	24		95	
				100 mg
	P/Mtr		P/Mtr	

	SCHEDULE OF QUANTITY	LNAU	ΥT	
NAME OF Ground, and during Hol	NAME OF WORK: Providing and Fixing Flood Lights in Police Ground Sai Ground, and Running Operation of E.I. to HPCA Cricket Stadium Dharamshala during Hon`ble Prim Minister tour (National Conference of Chief Secretaries)	Job N	No. 10	ESTIMATED COST: Rs 1,30,234/-only. EARNEST MONEY: Rs.2600/-only TIME ALLOWED: One Month
Sr.	DESCRIPTION	QTY.		RATES
NO.		1	FIGURES	WORDS
1 Pro	Providing and erection of LED Flood Light 90 watt Street light luminaires powder coated pressure die-cast aluminium with heat resistant toughened glass including connections, testing and commissioning etc. as required.			
i) LED FI	LED Flood light - 90 watt. Make:- Panasonic (Cat. No. PFLM18908) / Bajaj/ Jaquar	σ		
2 Pro con in a	Providing & Laying of PVC insulated/Unsheathed cable solid aluminium conductor, 1.1 KV grade of following sizes on surface as required. Comlete in all respect			
i) soli	solid aluminium conductor cable 10 sq. mm (Flate twin core)	400		,
3 Sup exis	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	4	# ZA	
4 Sup	Supplying and fixing E-14 and E-27 LED Bulb Complete in all respect as required			
i) E-1	E-14 LED Bulb 3 watt	ω		32
ii E-2	E-27 LED Bulb 5 watt	ω		ų.
≡ E-2:	E-27 LED Bulb 14 watt	5		۵.
Mal	Make :- Wipro or its eqivalent		10000	

	Ch
Total	Running Operation of E.I. to HPCA Cricket Stadium Dharamshala during Hon`ble Prim Minister(National Conference of Chief Secretaries)
	7-
	p/Job

	DRAFT SCHEDULE OF QUANTITY	F QUAI	YTITY		
NAME OF WO Kangra under w.e.f. 2022-23.	NAME OF WORK: R/M of EI to various Govt. Non residential building in Distt. Kangra under Electrical Sub-Division HP PWD Palampur Distt. Kangra (HP) w.e.f. 2022-23.	Job No.	No. 1)	ESTIMATED COST: Rs. 2,61,856/-only. EARNEST MONEY: Rs. 5300/-only TIME ALLOWED: One year	. 2,61,856 . 5300/-or
Sr.	DESCRIPTION	QTY.		RATES	CNIT
		_	FIGURES	WORDS	
		Ĺ			
_	Engagement of temporary basis of Computer operator in the Office of Executive Engineer, Electrical Division, HPPWD Palampur during working hours (10.00 a.m. to 5.00 p.m.) or as & when required by the office in charge.	334			Per Job
	Total				
	Terms & condition	dition			1
_	The agency shall have to provide services as required in schedule of work	Ř.		×	
2	The services is required during normal working hours i.e. 10.00 AM to 5.00 PM or as required	00 PM or	as require	d.	
ω	The services have to be provided as per direction of office in-charge.				
4	The agency shall have to pay /provided minimum wages / rest / holiday as per HP State Govt.labour norms applicable for daily paid	as per HP	State Gov	t.labour norms applicat	ole for dai
5	Nothing extra shall have to pay / issued on account of liberies, T&P soap, duster etc.	duster etc			
6	The services are required temporarily and can be terminated at any time without assiging any reason.	e without a	ssiging ar	ny reason.	,
7	Nothing extra shall have to paid for absent period.		c		
8	Nothing extra shall be made on monthly basis.		EM.		
9	The staff shall have to report daily to concerned office in-charge.	200	ď		
10	Period of service depends upon the requirement of work and can be increased /decreased / terminated without assigning any reason.	reased /de	creased /	terminated without assi	anina an
11	The worker should be fully insured				0

NAME	7	CUANIII	IIIY	
Tehsil No.Cla	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. 2	
Sr.	DESCRIPTION	QTY.		
			FIGURES	-
4			RATE	
_	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.	1		
	Group C.	32		18
Ν	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required. Make: KEI/Plaza/Anchor		,	
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	30		
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	20	en en	
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	2		
ω	Supplying and drawing following size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make:KEI/Plaza/Anchor			. 1.16
	3x2.5 Sq. mm.	8		- E
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 is Charles.	N		

						7			<i>s</i>			-
, , , , , , , , , , , , , , , , , , ,					∞		-			7	C	70
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 ≥ 0.9, harmonic distortion ≤ 10% and efficacy ≥ 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	Calino FFAMI/12/R1	LED 12 Watt Square	Make:-Bajaj/Panasonic/ Wipro	surface application with the use of the latest technology 6/12/18 Watt (600/1200/1800 lumen) 6500K and it should be compatible with specifications i.e. power factor ≥ 0.9, harmonic distortion ≤ 10% and efficacy ≥ 100 lumens per watt, CRI > 80, suitable for input voltage AC 220-240V, 50/60 Hz complete with all accessories, connections, testing and commissioning etc. as required.		Cat No: BCLAB 20W LED P	LED Tube Fixture 20Watt	Make:-Bajaj/Panasonic/Wipro.	suitable for LED tube up to 20Watt (2000 lumen) 6500K and it should be compatible with specifications i.e. power factor ≥ 0.9, harmonic distortion ≤ 10% and efficacy ≥ 100 lumens per watt, CRI > 80, suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required	sweep Make:- Usha (Emergia ISI 1 Star) / (I	frigularing 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 flixible, cotton braided cable, including providing and fixing phenolic laminated sheet cover on the fan box and earthing etc. as required.	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.
· 1	-	7	in the second		11					£ &	v, 42 °C ()	N
		9 20		*zs							J.	
						A	4			7		
	1	Each			Each					Each		Each
Mark Control												

			Total	
		20	Supplying and laying 6 SWG G.I. wire at 0.50 mtr. below ground level for earth electrode conductor, including soldering etc. as required.	15
			watering pipe of 2.7 metre long etc. with charcoal/ coke and salt) as required.	5
	*u	1	and providing masonry enclosure with cover plate having locking arrangement and	
	y.		Earthing with G.I. earth plate 600 mmx600 mmx 6 mm thick, including accessories	4
		_	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.	13
,		_	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)	12
	<i>*</i> .	თ	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)	= =====================================
	7		Double door-12 way	=
	<i>III</i>		distribution board, 240 volts, on surface / recess, complete with tinned copper busbar, 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)	: 7
		o	and fiving of following way single pole	10

NAME OF W	NAME OF WORK: Construction of Public Parking (Shoping Complex) in HPPWD Sub Division Holi In District Chamba (H.P) (S.H:-Providing E.I. therein).). Joi	0 No./3	ESTIMATED COST: Rs2,90,120/-only. EARNEST MONEY: Rs.5800/-only TIME ALLOWED: One Months
Sr.	DESCRIPTION	QTY.	7	RATES
			FIGURES	WORDS
1 Wirin	for light point (s		RATE	
insula coppe modu HRFF	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.		5	
Make	Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Plus)			
Group C	°C.	28		
Wiring flame in surf	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular		,	
insulat	plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.			
Group C	Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Classic) Group C.			
C		2	* Est	
2 Wiring retarda surface	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core			
Polycab.	Polycab.	11	ê	
2 X 2.5	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	60		
2 X 4 sc	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	64		

0	_	_	0.00	7				0	Cī	4		ω
Cat No: PPAM16127R1	LED 12 Watt Round	Make:-Bajaj/Panasonic/ Wipro	polycarbonate diffuser and seprated 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.	Providing and installation of following type of surface mounting round type LED panel Light with aluminium die cast housing in white finish with	Cat No: BCLAB 20W LED P	LED Tube Fixture 20Watt	suitable for LED tube up to 20Watt (2000 lumen) 6500K and it should be compatible with specifications i.e. power factor ≥ 0.9, harmonic distortion ≤ 10% and efficacy ≥ 100 lumens per watt, CRI > 80, suitable for input voltage AC 220-240V, 50/60 Hz, including one no. tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required. Make:-Bajaj/Panasonic/Winco	plate and cover in recess including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps, modular switch, connections etc. as required.Make:-Legrand (Myrius)/Schneider(Livia) /Anchor Roma (Classic) Providing and fixing decorative extruded tube fixture basing back with modular socket outlet and 15/16 amps, modular switch, connections etc. as required.Make:-	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 requiredMake:-Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Classic) Supplying and fixing G I Modular box of (Along Towns)	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular	retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required. Make: Plaza/ KEI/ Polycab.	S DEFO
	10	- 8	1		2			00	16	10	n N	65
			3	P.A.			*					
		,										
	Each				Each			Each	Each	Per metre		Per metre
			Y 3-					7		те		tre

Carl NorPPAM16187R1 Providing and errection of LED 45 wast Street light luminaries powder coaled pressure de-cast aluminium SMake:-aquiar/Panasonic/ WippoMDLED Street light with heat resistant toughened glass including connections, testing and commissioning etc. as required complete in all respects Make:-Bajaj/Panasonic/ LED Street Light, 45 Watt LED Street Light, 45			MCB DB compl Cat-A.Make: At 13 Supplying and 1				Supplying and distribution bor bar, wire-set, r cable, identific including earth		LED Street Light, 45 Watt	Providing and pressure die-cowith heat resis commisioning Wipro	
		lete with connections, testing and commissioning etc. as required. In the desiring of the state	ixing 40 Amps. rating, double pole, 240 volts, isolator in the existing ete with connections, testing and commissioning etc. as required: 1chor, Legrand, Schneider.	iXing 25 Amps. rating, double pole (single phase & neutral) 240 volts, circuit breaker (RCCB), having a sensitivity current up to 300 ie existing MCB DB complete with connections, testing and etc. as required:- Cat-A. Make: Anchor, Legrand, Schneider.	t breaker suitable for inductive load of following poles in the t breaker suitable for inductive load of following poles in the t breaker suitable for inductive load of following poles in the existing lete with connections, testing and commissioning etc. as Anchor, Legrand, Schneider.	way	Ifixing of following way, single pole and neutral sheet steel MCB ard, 240 volts, on surface / recess, complete with tinned copper buseutral link, earth bar, din-bar, detachable gland plate, blanking plate, ation labels interconnections, phosphatized and powder painted, ing etc. as required:- Make: Anchor, Legrand, Schneider.	127458	ht, 45 Watt	2 C C	16187R1
	微	2	00	∞ 	16	œ		ž.	2		
Each Each Each		3		* Zes						The second	
Each Each Each Each			500								
		Each	Each	Each	Each	Each	A.		each		

			capacity with 4 No. coppe area (16mmx3.17mm), enc dimensions (530mmx350r connections, earthing the b
Total	electrode conductor, including soldering etc. as required.	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.	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
Pin	50	2	2
		The state of the s	
	Per metre	Set	Each

	- 1	QUANT	ΥTI			
for SR	NAME OF WORK: Replacement of switchgear system into new one 2 No Suit for SRU Moti Tibba in Tehsil Dalhousie Distt. Chamba(H.P)	Jo	Job No. 15	ESTIMATED COST: Rs2,99,973/-only EARNEST MONEY: Rs.6000/-only TIME ALLOWED:Six Months	,99,973/-on 6000/-only nths	ıly.
No.	DESCRIPTION	QTY.		RATES	TINU	AMOUNT
			FIGURES	WORDS		
			RATE			
_	Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit with modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.					
	Make:- Legrand (Myrius)/ Schneider(Livia)/Anchor Roma (Plus)					
	Group C.	42			Per point	
2	Wiring for twin control light point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) connect conductor policy.				4	
	in surface/recessed steel conduit with 2-way, 5/6 amps. modular switch, modular plates, suitable G.I. box and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC		*	H _a si	je.	
	Make:- Legrand (Myrius)Schneider(Livia)//Anchor Roma (Plus)					
	Group c.	4.			- 1	
		2	* Est		Per point	
. ω	Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.Make KEI/Anchar/Plaza	The same of the sa	9		1	
. No.	2x1.5 Sq. mm.+ 1 X 1.5 sq. mm earth wire	20			Per metre	
=:	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	64			Per metre	7
		97				

		10			· ·		o							0	=:		U	4.	
TV. socket outlet, modular	Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)	Supplying and fixing following rating Modular switch /socket in the existing switch box / cover plate including connections etc. as required.	2 modules (78mmx78mmx50mm)	Make:- Legrand (Myrius)/Schneider(Livia)/Anchor Roma (Plus)	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)	supplying and tixing 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).	wake:- Legrand (Myrius)Schneider(Livia)/ /Anchor Roma (Plus)	socket outlet and 15/16 amps, modular switch, connections etc. as required.	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular plate and cover in recess including providing the state of the supplying and th	Make:- Legrand (Myrius)/Schneider(Livia) /Anchor Roma (Plus)	socket outlet and 5/6 amps, modular switch, connections etc. as required.	plate and cover in recess including providing and fixing 5 pin 5/6 amps modular	Supplying and fixing G.I. Modular box of (140mmx78mmx50mm) size with modular	3x2.5 Sq. mm.	PVC insulated HRFR LS Copper conductor 1.5 Sq. mm.	supplying and drawing tollowing size of PVC insulated, heat resistant, flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in existing surface / recessed, Steel/PVC conduit as required.	circuit / sub-main with 4 (HRFR) and low smoke cessed steel conduit alor single core copper condusingle	
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		4.0													T				
E 200			Each				Each	ic.	Each			2	Each		Per metre			Per metre	Per metre

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IAI			C	E	Q	=	3	a C p G s			m	- -		3		3
make:-bajaj/Panasonic/Wipro.	suitable for LED tube up to 20Watt (2000 lumen) 6500K and it should be compatible with specifications i.e. power factor ≥ 0.9, harmonic distortion ≤ 10% and efficacy ≥ 100 lumens per watt, CRI > 80, suitable for input voltage AC 220-240V, 50/60 Hz, including one no tube rod 20 Watt complete with all accessories, connections, testing and commissioning etc. as required.	ecorative extrided tube fixture	Cat No: PPAM16187R1	LED 18 Watt Round	Cat No: PPAM16127R1	LED 12 Watt Round	Make:-Bajaj/Panasonic/ Wipro	application /1800 lumer or ≥ 0.9, ha suitable for s, connections,	Supplying and fixing surface mounting following size LED solution suitable for	Section of the sweet	Exhaust Fan, Light duty (Domestic) 300 mm sween	Providing and installation of exhaust fan of following sizes in the existing opening, including making the hole to suit the size of the above fan, making good the damages, connections, testing and commissioning etc. as required: Make Usha/Rajai/Anchor	single phase,230 volts complete as required:-		surface / recess including cutting the wall and making good the same in case of recessed conduit as required:-Make:-Anchor/BEC/Diplast	conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface / recessed, steel / PVC conduit as requiredMake:- KEI/Anchar/Plaza
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		La Company														
			3	Each		Each	,	*	100	Each			Each	Per mtr		Per mtr
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Cat No: LL20-111-111-XXX-65NE3	Mirror lightLED 10Watt	suitable for LED tube up to 10Watt (Mirror Light)(1000 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 10 Watt complete with all accessories, connections, testing and commissioning etc. as required. Make:-Jaquar/Panasonic/Wipro	Providing and fixing decoration actually talks and the same and the sa	Cat No: PSTM27458	Providing and errection 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 commisioning etc; as required complete in all respects. Make:-Bajaj/Panasonic/Wipro	LED Bulk nead 10Watt Cat No: BIBWP 10W LED	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 ≥ 0.9, harmonic distortion ≤ 10% and efficacy ≥ 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	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	Wall light fixture Polycarbonate Body,Suitabe For 9 W retrofit LED lamp B22 base		Cat No: BCLAB 20W I
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Each				each	,	Each		Each	Each		Each
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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)	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)	Double door-16 way	Supplying and fixing of following way, single pole and neutral sheet steel MCB distribution board, 240 volts, on surface / recess, complete with tinned copper busbar, 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)		15 Liter capacity water heater (Cat-A)	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	Supplying & fixing suitable size GI box wih 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)	9 Watt LED, B-22 Makes:- Tisva (Cat.No.AL916611R 9W/ B22) /Panasonic / Osram.	polycarbonate diffuser and aluminium heat sink as required complete in all respects.
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Each	Each	Each	3	Each	Each		Each	Each	

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	Total	一
Per metre	electrode conductor, including soldering etc. as required.	O
	ground level for earth	
	Supplying and Javing 6 SMC C1	S
	watering pipe of 2.7 metre long etc. with charcoal/ coke and salt) as row incl.	5
Sph	and providing masonry enclosure with cover plate having locking arrangement and	Ø
	Earth with G.I. earth plate 600 mmx600 mmx 6 mm thick, including accessories	Г
	Earthing with C 1 - code - 1-t- code	7
Each	(Make:- Anchor/Legrand/Schoolder)	
	MCB DB complete with compating double pole, 240 volts, isolator in the existing	-

NAME OF WORK :- C/O 1 No. Type-IV Docter Qtr. at PHC Dhameta in Teh-Fatehpur , Distt- Kangra (SH:- Providing EI there in) SR. DESCRIPTION
point /
Wiring for light point / fan point / exhaust fan / call bell point with 1.5 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed steel conduit and earthing the light point with 1.5 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable as required.
Wiring for power plug with 2x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.
Wiring for power plug with 4x4 Sq. mm. PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 2 No.4 Sq.mm. HRFRLS/PVC insulated single core copper conductor cable for earthing as required.
Wiring for circuit/sub-main with following size PVC insulated heat resistant flame retardant (HRFR) and low smoke single core (flexible) copper conductor cable in surface/recessed PVC conduit along with 1 No.HRFRLS/PVC insulated single core copper conductor cable of same size for earthing as required.
(i) 2x1.5 Sq. mm.
(ii) 2x10 Sq. mm.
5 Supplying and fixing following rating Piano-type switch /soc

9	4	3	10	(3)	9	00	7	0	(ii)	3
40 Amps. Cat-A.	Supplying and fixing following rating, double pole (single phase & neutral) 240 volts, residual current circuit breaker (RCCB), having a sensitivity current up to 300 miliampers in the existing MCB DB complete with connections, testing and commissioning etc. as required.	63 Amps. Cat-A.	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Single pole. Cat-A.	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:-	Supplying and fixing call bell / buzzer, suitable for D.C./A.C. single phase,230 volts complete as required:-	Supplying and fixing bakelite batten/angle holder including connections etc. as required:-	Supplying and fixing metal box of 180mmx100mmx60mm deep (nominal size) on surface/recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 6 pin 15/16 amps socket outlet and 15/16 amps, piano type switch, connections, painting etc. as required.	5 pin 5/6 Amps socket outlet, porcelain base/ piano type.	S.P. 5/6 Amps one way switch, piano type.
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	4000		16	(3)				5		15	14		13	(I)	Ī
complete in all respect prewired with stater trigger circuit, surge protection circuit lumen output of 100 lumens per watt complete with all accessories connectionstesting and commissioning as required	CRL>80. sultable for Input voltage AC 220-240v ,50/60 HZ omplete with all accesseries, including connections, testing and commissioning etc.as required	Sheet steel housing, diffuser to avoid glaire, with specifications i.e. Power factor > 0.9, Harmonic distortion < 10% and efficacy > 100 tumens per watt,	Providing and Fixing Following type of LED Wall bracket light coated CRCA	LED Batten 20W, 4 feet long Cat no.PBTM01207	Panasonic or any other approved by Engineer-in-charge.	testing and commissioning etc. as required. Make: C&S, Philips, Havells,	voltage: AC 220-240 V, 50 Hz, complete with all accessories, connections.	compatible with specification i.e. Power Factor > 0.9, Harmonic Distortion <	power coated CRCA housing diffusser to avoid glaire, it should be	Supplying & fixing following type of Surface mounted luminaires, white	Providing and fixing 6 SWG (4 mm dia.) G.I. wire on surface or in recess for loop earthing as required.	Extra for using salt and charcoal for pipe earth electrode complete as required.	Earthing with G.I earth pipe 4.5 mtr. long and 40mm dia, including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) complete as required.	Double door-12 way	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:-
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Chrome Finishing Wall Light 4 W x1 Makes:-Jaquar, Panasonic, Changi, {at par with Jaquar cat no. KWB-CHR-MBB0471C) Providing and installation of Light Duty, plastic body, exhaust fan of following size in the existing opening by means of suitable rag-both nuts, 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 respects to the best satisfaction of Engineer-in-charge. Make: Havelis, Bajaj, Crompton or any other equivalent as approved by Engineer-in-charge. Makes:-Havells, Panasonic, Usha, Bajaj, Anchor By Panasonic, {at par with Havelis Ventil Air DX White) Providing, Installation, testing and commissioning of ceiling fan with step type electronic fan regulator, including wiring the down rods of standard length (up to 30 cm) with 160.20 mm twin twisted flexible, cotton braided, copper cable, including and fixing phenotic laminated sheet cover on the fan box Ceiling Fan 1200 mm sweep, Category-A Each Each Each Each Each Each
Each
Each Each

LED Downlighter 10 watt, (Make:- Panasonic) Equivalent 20 Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required:- 25 mm. dia 21 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:- 25 Liter capacity water heater (Cat-A) Each
sizes of PVC conduit along with the ding cutting the wall and making good as required:- 15 ary storage type Electric water heater is of Expansion-bolts with nuts and pansion-bolts in the wall, providing and jth safety valve, 2 No C.P. connection singles, electrical connections, safety ssioning etc. as required:- 16 17 18 19 19 19 10 10 11 11
Each Per Meter
Each Per Meter

A 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	SCHEDULE OF QUANTI	UANTI	Υ	, 11		
and s	NAME OF WORK: Repair and Maintenance of Tower type A.C in ICU, Ward I,II and split AC in Dr. Duty room etc. installed in makeshift covid hospital Dr. RPGMC Kangra at Tanda for the year 2022-23.	Jol	Job No. 16	ESTIMATED COST: Rs 2,02,150/-only. EARNEST MONEY: Rs.4100/-only TIME ALLOWED:One Months	2,02,150/-or 4100/-only onths	ıly.
Sr.	DESCRIPTION	OT V		RATES		
		,	FIGURES	WORRS	CN	AMOUNI
			RATE	***************************************		
₽	Conditioning Units 3.8 T.R. capacity (Panasonic/Daikin make) Hot & Cold including maintenance of accessories extra copper pipes with sleeves, wire, insulation and battens etc. with Drain Pipe, servicing, cleaning the filters, charging/topping up of refrigerant R-410A/R-32 Gas when required throughout the year, but excluding the replacement of the compressor of A.C. Units. The repair and maintenance has been done as per instructions and directions to the best satisfaction of Engineer-in-charge. Repair & Maintenance (Routine and Preventive) of Split / window type Air-Conditioning Units of following capacity 2 T.R. /15 T.R. capacity.	3			Each	
2	Repair & Maintenance (Routine and Preventive) of Split / window type Air-Conditioning Units of following capacity 2 T.R /1.5 T.R. capacity (LG/Panasonic/Voltas make) Hot & Cold incaluding accessories extra copper pipes with sleeves, wire, insulation and battens etc. with Drain Pipe, servicing, cleaning the filters, charging/topping up of refrigerant/R-22 Gas when required throughout the year, but excluding the replacement of the compressor of A.C. Units . The repair and maintenance has been done as per instructions and directions to the best satisfaction of Engineer-in-charge.		ew en			2 10 2
2.1	Split type A.C 1.5 T.R capacity	ω	考		T	
2.2	split type A.C 2.0 T.R capacity	2				
2.3	window type A.C 2.0 T.R/1.5 T.R capacity	2			T 2	
	Total	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			- 20	

	SCHEDULE OF QUANTIT	UAN-	TITY			
NAME Block	NAME OF WORK :- Providing and fixing of 3.5 kva ups Inverter in Minister Block Circuit House HPPWD at DharamshalaDistt Kangra (H.P.)		t	ESTIMATED COST: Rs.1,00,784/-only. EARNEST MONEY: Rs. 2100/-only TIME ALLOWED: One Month	84/-only. -only	
SR.	DESCRIPTION	QTY.		RATES	TINU	AMOUNT
NO.			FIGURES	WORDS		
_	Supplying, erection, testing & commissioning of Inverter having following capacity					
	suitable for AC single phase input voltage standard range 110 V to 280 V and nerrow range 180 V to 260 V 50 Hz and AC single phase input same as input on mains mode and 180 V to 230 v (+ 10 V) on invertor mode , pure sinewave microcontroller based design with automatic switchover from mains to invertor and invertor to mains with transfer time, 15 sec. efficiency on battery mode > 80% suitable for backup of power supply with One Year warrenty as required complete in all respects and to the best satisfection of Engineer-in Charge.				Ž/	
	Microtek 3.5 KVA Jumbo UPS Inverter	_				
					Each	
	Makes:- Luminous/Microtek/Delta power/V-guard or any other make approved by Engineer-in-Charge.					
2	Supplying, erection, testing & commissioning of tall tubular Battery 12V 150Ah extra					
	lead acid battery with thicker tubes suitable for inverter as required complete in all respects and to the best satisfaction of Engineer-in-Charge.	1	EN.			
	Battery 12V 150 AH.	ω			Each	ù
	Makes:- Luminous/Microtek/Sukam/Exide/ Quanta or any other make					
ω	Supplying and fixing the Rack for mounting 3 Nos 150Ah Battery as required complete in all respect.				Each	
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.	20	A		Each	,
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	· 大				

Total	5 Supplying ar on surface c socket outlet Anchor (Ron
	Supplying and fixing suitable size GI box with modular plate and cover in FRLSont on surface or in recess, including providing and fixing 6 pin 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required. Make: Anchor (Roma)/ L&T or any other as approved by Engineer-in-Charge.
	N
	#
>	Each