

## कार्यालय महानिदेशक

दीनदयाल उपाध्याय राज्य ग्राम्य विकास संस्थान, इन्दौराबाग,  
बख्शी का तालाब, लखनऊ

दूरभाष/फैक्स : 05212-298209 / 291 / 292, वेबसाइट : [www.sirdup.in](http://www.sirdup.in)

### निविदा सूचना

महानिदेशक दीनदयाल उपाध्याय राज्य ग्राम्य विकास संस्थान, इन्दौराबाग, बख्शी का तालाब, लखनऊ द्वारा, तकनीकी रूप से सुदृढ़ एवं अनुभवी फर्म/संगठनों से लखनऊ पर स्थित संस्थान परिसर में अग्नि एवं विद्युत सुरक्षा के लिए विद्युत आपूर्ति इस्टालेशन एवं कमीशनिंग कार्य हेतु पृथक से तकनीकी एवं वित्तीय प्रस्ताव (बिड) आमंत्रित किये जाते हैं।

टेण्डर प्रपत्र का शुल्क : ₹ 1000/-

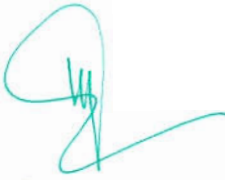
बयाना/धरोहर राशि : ₹ 50,000/-

विस्तृत टर्मस ऑफ रिफरेंसेस, कार्य का क्षेत्र एवं विशेषतायें, मॉडयूल और विभिन्न वस्तुओं की मात्राएँ इत्यादि विवरण सहित निविदा प्रपत्र वेबसाइट : [www.sirdup.in](http://www.sirdup.in) पर दिनांक 16 दिसम्बर, 2014 से उपलब्ध है। कार्य में रुचि रखने वाले बिडर (बोलीदाता) अधिक जानकारी हेतु निविदा प्रपत्र वेबसाइट पर/से, देख/डाउनलोड कर सकते हैं, तथा अपनी बिड निम्न तिथि एवं समयानुसार जमा कर सकते हैं।

- (ख) बिड जमा करने की अन्तिम तिथि और समय : 03 जनवरी, 2015 अपरान्ह 02:00 तक
- (ग) तकनीकी बिड खोलने की तिथि एवं समय : 03 जनवरी, 2015 अपरान्ह 03:00
- (घ) वित्तीय बिड खोलने की तिथि एवं समय (केवल तकनीकी रूप से योग्य बोली दाता) : 05 जनवरी, 2015 अपरान्ह 03:00
- (ङ) तकनीकी एवं वित्तीय बिड खोले जाने का स्थान : संस्थान कार्यालय लखनऊ।

रूचिकर बोलीदाताओं द्वारा पूर्ण हस्ताक्षरित एवं समस्त संलग्नकों सहित निविदा प्रपत्र कार्यालय महानिदेशक दीनदयाल उपाध्याय राज्य ग्राम्य विकास संस्थान, इन्दौराबाग, बख्शी का तालाब, लखनऊ को दिनांक : 03 जनवरी, 2015 अपरान्ह 02.00 बजे तक प्रेषित किये जा सकते हैं। इसके उपरान्त निविदा पर विचार नहीं किया जायेगा। महानिदेशक दीनदयाल उपाध्याय राज्य ग्राम्य विकास संस्थान, को बिना कोई कारण बताए किसी भी या सभी निविदाओं को अस्वीकार करने का अधिकार होगा। इस संबंध में महादिनेशक का निर्णय अन्तिम और बाध्यकारी होगा।

महानिदेशक

  
डॉ० ओ० पी० पाण्डेय  
संयुक्त निदेशक

**Tender Notice**  
**Office of Director General**  
**Deen Dayal Uppadhya State Institute of Rural Development**  
**BakshiKaTalab, Lucknow**

Tel.No.,TeleFax: 05212 298209/ 291/ 292, Website: [www.sirdup.in](http://www.sirdup.in)

The Director General Deen Dayal Uppadhya State Institute of Rural Development (UPSIRD), Bakshi KaTalab, Lucknow invites Bids from technically competent and experienced firms/ organizations in two parts- **Technical and Financial** for Supply, Installation and Commissioning of electrical, fire fighting and electrical safety works in the premises of the institute at Lucknow.


**Fee of tender Document:** Rs. 1000

**Earnest Money:** Rs. 50,000

The tender document containing scope of works, detailed TOR and specifications, makes, modules and quantity of various items, is available at website [www.sirdup.in](http://www.sirdup.in) from 16<sup>th</sup> December, 2014. Interested bidders may view, download the Bid document, seek clarification and submit their Bid up to the date and time mentioned as below :

- (b) **Bid submission end date & time:** 3<sup>rd</sup> January, 2015 upto 2.00 PM
- (c) **Technical Bid opening date & time:** 3<sup>rd</sup> January, 2015 at 3.00 PM
- (d) **Financial Bid opening date & time (Only of technically qualified bidder):-** 5<sup>th</sup> January, 2015 at 3.00 PM
- (e) **Venue of opening of Technical & Financial Bids:** Institute office Lucknow

Bid documents along with enclosures duly signed by the intended bidders must reach the Office of Director General Deen Dayal Uppadhya State Institute of Rural Development Bakshi Ka Talab, Lucknow upto 3<sup>rd</sup> January, 2015 (02.00 PM), failing which the tender shall not be considered. Director General, Deen Dayal Uppadhya State Institute of Rural Development reserves the right to reject any or all tenders without assigning any reason thereof. The decision of Director General, UPSIRD regarding this will be final and binding.

  
Deen Dayal Uppadhya  
State Institute of Rural Development  
Lucknow

Director General

**Deen Dayal Upadhyay State Institute of Rural development,**  
**Bakshi Ka Talab, Lucknow**

**TOR**

**Supply, Installation and Commissioning of electrical, fire fighting and electrical safety works at the premises of the institute at Lucknow**

**1. Introduction of the Project:**

A Detailed study was conducted at Deen Dayal Uppadhya State Institute of Rural Development, Bakshi Ka Talab, Lucknow based on energy audit, fire audit and electrical safety audit through an outside agency. The Detailed Project Report was submitted to Ministry of Rural Development, Government of India for administrative and financial approval. The required sanction has been received from Govt of India and work of Supply, Installation and Commissioning of electrical, fire fighting and electrical safety works has to be carried at the premises of the institute at Lucknow. For implementation of the proposed works the Institute is seeking services of a competent firm/ agency/ organization.

**2. Qualifying Requirements:**

1. The firm should be an Individual / Partnership firm / Company.
2. The bidder should have experience of consultancy or work execution of similar works.
3. Bidder should have at least one Certified Energy auditor
4. Bidder should have minimum two degree holder engineers having experience of more than 10 years in power sector
5. The firm should have positive network.
6. The Bidder should qualify based on Weightage Criterion as mentioned follows:

Sl No.	Particulars	Weightage
1	Bidder Experience in similar assignment	(Max. 35)
	(a) Three works namely , Electrical, Fire safety & Electrical safety works	35
	(b) Any two works of above	24
	(c) Any one work of above	12
2	Bidder should have at least one Certified Energy auditor	15
3	The bidder should have empanelment with any Central /State Govt. PSU such Rural Electrification Corp. , Power Finance Corporation, State Govt. Energy related authority	10
4	Qualification of staff in Power Sector	(Max. 40)
	(a) Min. two degree holder engineer having experience of more than 25 years in power sector	40
	(b) Min. two degree holder engineer having experience of more than 15 years in power sector	26
	(c) Min. two degree holder engineer having experience of more than 10 years in power sector	13
	<b>TOTAL</b>	<b>100</b>

Minimum qualifying total score for technical bid shall be 75 out of 100 marks; otherwise the financial offer of the bidder shall not be opened.

7. Documentary proof in support of all above requirements such as Certificate of Incorporation, proof of experience, copy of Energy auditor certificate, Empanelment and CV of the personal etc. shall have to be enclosed with the tender.

### 3. Terms and Conditions:

1. The bid in sealed envelope shall have to be submitted in two parts. The first part will have earnest money and qualifying documents. The second part will have price part i. e. Rate schedule. These parts should be super scribed as Part-1 (Earnest money and qualifying documents) and Part-2 (Price part) respectively. Both envelopes should be placed in separate big size sealed envelope, subscribing as Tender for **Supply, Installation and Commissioning of electrical, fire fighting and electrical safety works in the premises of the institute at Lucknow.**

2. Each page of the bid document shall be signed by the bidder along seal of the firm.

3. No overwriting/ cutting will be allowed and such bids shall be rejected. In case of difference in totaling and difference in digits and words, the prices in favour of the institute shall be considered.

4. Bidder has to quote for all items, no part offer shall be accepted. Rate of all the items should include charges for cartage, loading & unloading of material at site.

5. Quantity of individual item may vary as per requirement, but total cost of the work will remain same.

6. The bidder should have either Service tax or Sale tax registration. In case of need of both, the same shall have to be made available within one week of award of work. The copy of the same should be enclosed.

7. Bidder should have valid PAN no. The copy of the same along with copy of Income Tax return of last three years shall have to be enclosed.

8. The bidder shall have to follow all rules and regulations. All documents required in respect of same, shall have to be produced before carrying the work.

9. Earnest money of Rs. 50,000 in favour of .....The Director General, Deen Dayal Upadhyay State Institute of Rural Development, bakshi Ka Talab, Lucknow.... shall have to be enclosed along with the bid.

10. The Director General reserve the right of rejecting the bid without assigning any reason.

11. Makes of items to be used by the contractor will be as follows:



Sl No	Name of Item	Make
1	11/0.4 KV Transformer 100 KVA Three star rated	MARSHAL/MODERN/KOTSON/INTERNATIONAL TRANSFORMER/VIJAY ELECTRICAL
2	M.S PIPE	JINDAL /Prakash
3	PUMPS / MOTORS	KIRLOSKAR/ MATHER + PLATT
4	NON-RETURN VALVE	KORO/CASTLE/SANT
5	BUTTER FLY VALVE	KORO/CASTLE/SANT
6	RRL HOSE PIPE	OMEX/ NEWTECH/Geetech
7	LANDING VALVES	OMEX/ NEWTECH/Geetech
8	SHORT BRANCH PIPE	OMEX/ NEWTECH/Geetech
9	MALE/FEMALE COUPLINGS	OMEX/ NEWTECH/Geetech
10	FIRE BRIGADE INLET/DRAW-OUT	OMEX/ NEWTECH/Geetech
11	FIRE EXTINGUISHERS	OMEX/ NEWTECH/Geetech
12	HOSE REEL DRUM	OMEX/ NEWTECH/Geetech
13	RUBBER HOSE FOR HOSE REEL	JYOTI/ISI Mark
14	HOOTER/SOUNDER	SYSTEM SENSOR/AGNI
15	FIRE ALARM PANELS	SYSTEM SENSOR/AGNI
16	MANUAL CALL POINT	SYSTEM SENSOR/AGNI
17	SPRINKLER HEAD	NX/TYKO/ STAR
18	DETECTORS	SYSTEM SENSOR/APOLLO ENGLAND
19	HOSE CABINET BOX	FABRICATED
20	FIRE PUMPS PANEL COMPONENTS	L&T / SIEMENS/HAVELS
21	WIRE/CABLE	POLYCAB/FINOLEX/HAVELS
22	PVC /M.S CONDUIT	SETIA/AGK /VIKAS/BEC
23	PAINT/RED OXIDE	BERGER/NEROLAC
24	WELDING ELECTRODES	MARUTI/ MANGALAM
25	PRESSURE SWITCH	INDFOSS/DENFOSS
26	PRESSURE GAUGE	H. GURU
27	UNDER GROUND PIPE PROTECTION	PYPKOTE/IWL
28	SUPPORTS FOR PIPE	M.S.FABRICATED
29	SLUICE VALVES	CASTEL / KARTAR/KIRLOSKAR
30	FOOT VALVE	KIRLOSKAR/ EQUIVOLENT
31	LED LIGHTS FOR HIGH MASH TOWERS	HAVELLS/ OSRAM/ PHILIPS/SUNRISE
32	CFL	OSRAM/PHILIPS/HAVELLS/SURYA
33	T5 TUBELIGHTS, CHOKES	OSRAM/PHILIPS/HAVELLS/ANCHOR
34	FANS	HAVELLS/CROMPTON/USHA/ORIENT/BAJAJ
35	FRLS PVC INCULATED COPPER CONDUCTOR	HAVELLS/POYCAB/FINOLEX/ RR KABIL
36	AIR CONDITIONERS	GENERAL/DIKEN/CARRIER/MITSUBISI
37	DIESEL GENERATOR SET	KIRLOSKAR/JAKSON/LAYLEND
38	ELECTRICAL SWITCHES, SOCKETS, MODULAR PLATES, BOXES, HOLDERS, REGULATORS, ETC	ANCHOR/ HAVELS/LEGRAND
39	MCB, MCCB, DISTRIBUTION BOARD	ANCHOR/ HAVELS/LEGRAND/L&T
40	SERVO SYSTEM	JINDAL RECTIFIER/MACRO POWERTECH /AUTOMATIC ELECTRIC/ VOLTAMP

**Deen Dayal Upadhyay State Institute of Rural development,**  
**Bakshi Ka Talab, Lucknow**

Rate Schedule for Supply, Installation and Commissioning of electrical, fire fighting and electrical safety works at the premises of the institute at Lucknow

**1. Construction of 141 meter of 11 KV ABC conductor Line on existing/new Poles**

S. No	Particulars	Unit	Qty.	Rate (Rs.)		Amount (Rs.)		
				Supply	Works	Supply	Works	Total
1	2	3	4	5	6	7	8	9
1.	Laying of 11 KV 3*50 Sq. mm ABC cable by mounting on clamps such as suspension clamps, eye hooks, dead end clamps etc. on existing/new poles and connecting through cable jointing kits as per standard practice.	Metres	142					
2.	Re adjustment of existing LT ABC conductor including material		L S					
3	Erection of PCC supports 8.5 meters long and their grouting with brick bats	Nos	3					
	<b>Grand Total</b>							

**2. Construction of 11/.433 KV Sub-station of 100 KVA capacity**

Sl. No	Particular	Unit	Qty.	Rate (Rs.)		Amt. (Rs.)		
				Supply	Works	Supply	Works	Total
1	2	3	4	5	6	7	8	9
1	PCC Poles 8.5 M. Long	Nos.	2					
2	MS Channel 100x50x2028 mm(Dropper for fuse set)	Nos.	2					
3	Stone pad 300x300x75M	Nos.	2					
4	Clamps for LT T-off with bolts & nuts	Nos.	1					
5	Holding clamps for top channel TPMS & fuse set	Nos.	12					

	etc. with bolts & nuts							
6	MS angle 75x75x6x2028(T &F base)	Nos.	2					
7	MS Channel 125x65x2240 (Top)	Nos.	1					
8	11 KV Disc Insulator T&C type 4500 Kg. with fitting complete	Nos.	3					
9	MS Channel 125x65x1300mm (T- off)	Nos.	1					
10	11 KV Pin insulator with pins	Nos.	3					
11	11/0.4 KV T/F 100 KVA (Three Star rated)	Nos.	1					
12	11 KV TPMO	Nos.	1					
13	11 KV Fuse Set	Nos.	1					
14	LT incoming Panel with metering equipment & fixing arrangement	Nos.	1					
15	LT PVC Cable 3.5x150/70 Sq.mm	M	20					
16	Danger board Barbed wire including jumper	Nos.	1					
17	Stay complete	Nos.	2					
18	Concreting of Pole	Nos.	2					
20	Ear thing complete	Nos.	2					
	<b>Total cost</b>							

### **3. Installation of Fire Fighting System:**

Sl.No.	Material Description	Unit	Qty.	Rate (Rs.)		Amount (Rs.)		
				Supply	Works	Supply	Works	Total
1	2	3	4	5	6	7	8	9
1	Supply and fixing of ERW M.S pipes 'Medium' Class through welded							

	<p>joints, including all fittings like bends, elbows, offsets, M.S. Angle, Fasteners, tees, flanges etc. Required cutting holes and chases in brick/ RCC walls or floors, with painting and making good complete</p>							
<b>A</b>	<p>80 mm dia. (IS:1239)</p>	R.Mtr.	438					
<b>B</b>	<p>100 mm dia. (IS:1239)</p>	R.Mtr.	160					
<b>2</b>	<p>Providing and fixing dust &amp; vermin proof cubicle type Motor control panel fabricated from powder coated 18 SWG MS sheet complete with incoming main MCCBs, fully taped aluminium bus bar, volt meter, rotary selector switch for reading voltage between phases. Amp. Meter with selector, 3 phase indication light, , 3 phase preventions of suitable, auto/manual off selector, colour coded internal wiring from main to bus bar, complete in all respect.(For both Pumps).</p>	Nos.	1					



3	Main Pump: Supplying and fixing single stage horizontal Mono block Pumping set with volute bronze impeller, Electric Motor suitable for 410/440 volts, 3 phase cycles AC supply as per the details given below: Capacity 1050 LPM, Head 40 Mtrs. , HP 15, Single stage, RPM 3000.	Nos.	1					
4	Jockey Pump: Supplying and fixing single stage horizontal Mono block Pumping set with volute bronze impeller, Electric Motor suitable for 410/440 volts, 3 phase cycles AC supply as per the details given below: Capacity: 180 L.P.M , Head : 40 Mtr. , HP : 7.5	Nos.	1					
5	Providing and fixing dial type Pressure gauge and pressure switch IPS 100, with isolation cock and copper pipe at hydrant station.	Set	2					
6	Providing and fixing C.I. Butter fly valves PN I.0 complete with bolts, nuts 1.5 mm thick compressed asbestos gasket companion flange							

	etc. complete,							
A	80 mm dia.	Nos.	1					
B	100 mm dia.	Nos.	1					
7	Providing and fixing cast iron dual plate wafer type Non return valves of PN.1.0 including nuts, bolts. 1.5 mm thick compressed asbestos gasket including matching flanges etc. complete.							
A	80 mm dia.	Nos.	1					
B	100 mm dia.	Nos.	1					
8	Providing and Fixing First aid fire hose reel wall mounting swinging type fitted with 20 mm dia. x 30 m long high pressure hose with G.M./PVC shut-off nozzle conforming to IS. 884-1969.	Nos.	5					
9	Providing and fixing Stainless steel Landing valve (hydrant Valve) conforming to IS 5290 with 63 mm dia. instantaneous female coupling on the outlet. Blank cap and chain necessary companion flanges, nuts, bolts, washer and gasket complete as per specification. (ISI marked), Single	Nos.	9					

	Outlet.							
10	Providing and fixing standard short size S.S. Branch pipe with nozzle 16 mm dia. outlets with standard instantaneous type 63 mm dia. Male coupling. (ISI marked)	Nos.	9					
11	Providing and fixing 63 mm dia. 15 mtr. long Rubberized fabric lined hose including S.S. male and female instantaneous type coupling, machine wound with S.S. Wire complete in all respects. Hose shall confirm to IS 636 Type A.	Nos.	5					
12	Providing and fixing Fire hose cabinet fabricated from M. S. Sheet with double front door and locking arrangement, Red painted including suitable supports to place 900 mm above ground level, (Suitable to house two lengths of canvas hose with couplings & branch pipe for external/internal hydrants).	Nos	9					

13	Providing and fixing C. I. Fire brigade inlet breaching 2 way head as per I.S.: 904 specification tested for 20 kg/cm <sup>2</sup> with 63 mm dia. instantaneous type inlet and 150/100 mm dia. flanged outlet with built-in check valve for Fire brigade connection including companion flanges, nuts, bolts etc.	Nos	9					
14	Supply, fixing, testing and commissioning of Micro Processor Based <b>Fire Alarm Control Panel</b> with power supply unit, complete with battery and battery charger, with required indicators like Fire and Faults, Low battery, Power Supply etc. complete suitable for 2 zones.							
A	2 Zones	Nos.	2					
B	4 Zones	Nos.	3					
15	Supply, fixing, testing and commissioning of push button type break glass <b>Manual Call point</b> , flush mounting complete.	Nos.	9					



16	Supply, fixing, testing and commissioning of <b>Electronic Hooter</b> complete with MS cabinet and high sound speaker.	Nos.	5					
17	Supply, Laying, Connecting and testing of following sizes of <b>Copper wire</b> , Size : 2 x 1.5 sq. mm.	R. Mtr.	600					
18	Supplying laying, and fixing of <b>MS conduit</b> complete with fitting accessories, size : 20/25 mm dia.	R. Mtr.	600					
19	Construction of Underground Sump RCC 50,000 Litres capacity including material	no	1					
<b>Total</b>								

#### 4. Installation of Three nos. of High Mast Lightening Towers:

Sl No.	Name of Item	Quantity	Rate(Rs.)	Cost (Rs.)
1	Supply of hot dip galvanized high mast 16.0 Mtr. long, having bottom dia-356mm & top 150mm, thickness 4/3mm,two section, with Base plate 540x25mm & PCD 460,foundation bolts M25x750mmx 8nos.Anchore plate, template,& Including motor, winch & steel wire rope and Trailing cable and head frame, lantern carriage for 04nos.luminaries,Junction box, lightning arrestor, luminaries mounting arms, C.G. box mounting arms & Other hardware fittings etc.	3		
2	Supply of 100 WATTS AC LED HIGH MAST LIGHT Technical specs: Wattage: 100W Lumens: 23200 lumens LED: High Power Fixture: Aluminium Die Cast Lamp Efficiency: 135 lm /W or more. Beam Angle : 170 degree. Colour Temperature: Cool White >6500K. Life Of LED :>50,000 burning hrs. Power Supply: Constant Current. Colour Index (CRI)	12		

	:> 70.			
<b>3</b>	<b>Total cost of material</b>			
4	Construction of Civil Foundation including material	3 job		
5	Erection ,Testing & Commissioning	3 Job		
	GRAND TOTAL(3+4+5)			

**5. REPLACEMENT/LAYING OF NEW WIRING & OTHER ELECTRICAL MATERIAL**  
**IN THE INSTITUTE**

Sl No	Description	Unit	Qty.	Rate (Rs.)		Amount (Rs.)		
				Supply	Works	Supply	Works	Total
1	2	3	4	5	6	7	8	9
1	(a)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.	Point	1705					
	(b) 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 concealed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing	Point	568					

	the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.							
2	Dismantling of old wiring/other material as mentioned in item no 1 above ,except concealed conduit, and depositing in store	Point	2273					
3	Supply and fixing of Bulb/CFL Holder	Nos	930					
4	Disconnection of fans/b tube lights/ call bells from old points and reconnection from new point	Nos	1025					
5	(a)Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required	Metre	420					
	(b)Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in concealed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single	Metre	130					

	core cable for loop earthing as required							
6	(a) Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required							
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	1460					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	3850					
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	2950					
	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	435					
	(b) Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in concealed medium class PVC conduit as required							
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	490					
	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	1250					
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	1000					
	2 X 6 sq. mm + 1 X	Metre	145					



	6 sq. mm earth wire							
7	Dismantling of old wiring material as mentioned in item no 6 above ,except concealed conduit, and depositing in store	Metre	1158 0					
8	(a) Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.							
	5/6 amps switch	Each	965					
	15/16 amp switch	Each	381					
	3 pin 5/6 amp socket outlet	Each	965					
	6 pin 15/16 amp socket outlet	Each	379					
	(b) Supplying and fixing following piano switch/socket on existing switch box including connections along with plate							
	5/6 amps switch	Each	100					
	15/16 amp switch	Each	40					
	3 pin 5/6 amp socket outlet	Each	100					
	6 pin 15/16 amp socket outlet	Each	40					
9	Dismantling of all old switches/sockets against new switches as mentioned in item no 8 above and deposition in store	Nos	2972					

10	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	365					
11	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	888					
12	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.							
	1 or 2 Module (75mmX75mm)	Each	88					
	3 Module (100mmX75mm)	Each	100					
	4 Module (125mmX75mm)	Each	122					
	6 Module (200mmX75mm)	Each	241					
	8 Module (125mmX125mm)	Each	355					
	12 Module (200mmX150mm)	Each	360					
13	Dismantling of all old cover plates against new cover plates as mentioned in item no 12 above and deposition in store	Nos	1266					

14	Supplying and fixing following way prewired vertical type TP&N MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, terminal connectors for all incoming and outgoing circuits, duly prewired with adequate size of FRLS PVC insulated copper conductor upto the terminal connector/ neutral link, earthing etc. as required (But without MCB/ RCCB/ Isolator).						
	4 way Double door	Each	5				
	6 way Double door	Each	14				
	8 way Double door	Each	11				
	12 way Double door	Each	5				
15	Dismantling of all old Distribution board against new Distribution board as mentioned in item no 14 above and deposition in store	Nos	35				
16	Providing and fixing following rating and breaking capacity and pole MCCB in						

	existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.							
	100 Amp, 16 KA,TPMCCB	Each	26					
	125 Amp, 16 KA,TPMCCB	Each	26					
	160 Amp, 16 KA,TPMCCB	Each	10					
17	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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.							
	Single pole	Each	1147					
	Single pole and neutral	Each	110					
	Double pole	Each	30					
	Triple pole	Each	40					
	Triple pole and neutral	Each	40					
18	Dismantling of all old MCB against MCB as mentioned in item no14 above and deposition in store	Nos	1367					
19	Dismantling of all old fan/tubelight points/regulators and depositing in store							
		nos	1479					



20	Supply and erection of following size XLPE/ PVC Aluminium LT three phase cables and their fixing with clamps:							
	(a) 25 sq mm	Mtrs	200					
	(b) 35 sq mm	Mtrs	200					
	(c) 50 Sq mm	Mtrs	100					
	(d) 70 sq mm	Mtrs	75					
	(e) 100 sq mm	Mtrs	25					
	<b>GRAND TOTAL</b>							

#### 6.Replacement of Energy Efficient Equipment

Sl. No	Description	Unit	Qty.	Rate (Rs)		Amount (Rs.)		
				Supply	Works	Supply	Works	Total
1	2	3	4	5	6	7	8	9
1	Replacement of 100 W Incandescent Bulbs to 20 W CFL	Nos.	256					
2	Replacement of 40 W traditional Tube lights to energy efficient T5 Tube litres (28 w)	Nos.	180					
3	Replacement of chokes of tube lights with energy efficient electronic chokes	Nos.	179					
4	Replacement of old fans with new energy efficient fans	Nos.	140					
5	Replacement of energy efficient ceiling fan regulator in place of resistant type regulators including material, in fitting switch box including connection	Each	280					

6	Replacement of old 1.5 tons Air Conditioners with new energy efficient Five star Air Conditioners	Nos.	50					
7	Filter cleaning of Air Conditioners	Nos.	79					
8	Installation of Master switch key system for all Hostel rooms	nos.	46					
9	Installation of Maximum Demand Controller	No	1					
<b>Total Cost of Work</b>								

### 7. Installation of Generator for Auditorium

Sl. No.	Item Particulars	Qty	Rate (Rs.)	Amount (Rs.)
1	Supplying installation testing and commissioning of silent type D.G. Set 125 KVA capacity, AMF Panel, Bus Trunking /cables from DG Set to essential panel, control cable, Ear thing of DG Set and AMF Panel, DG set exhaust piping as per CPCB norms and minor allied works.	1 set		
2	Erection ,Testing & Commissioning	1 Job		
<b>GRAND TOTAL(1+2)</b>				

### 8. Installation of Servo on Mains

Sl No.	Name of Item	Quantity	Rate (Rs.)	Amount
1	Supply of 150 KVA Servo System capable of maintaining 440 volts as per relevant ISS along with cable	1		
2	Erection ,Testing & Commissioning	1 Job		
<b>GRAND TOTAL(1+2)</b>				

### Terms & Conditions:

1. Sale Tax:
2. Service Tax:
3. Payment Terms:
4. Completion Time:



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