



INDIAN INSTITUTE OF MANAGEMENT SAMBALPUR

Sambalpur University Campus, Jyoti Vihar,
Burla, Sambalpur, Odisha-768019

Tender No: IIMSBP/2017-18/RP/05

Date: 24 April 2018

Notice Inviting Tender for Supply and Installation, Testing & Commissioning (SITC) of Electrical Panel and allied works at IIM Sambalpur

Indian Institute of Management Sambalpur (IIM Sambalpur) invites **offline bids** in two- bid system from reputed, experienced and financially sound parties for the following work:

Brief Details of Tender:

<i>Item Description</i>	<i>Estimated Value (Rs.)</i>	<i>EMD (Rs.)</i>	<i>Tender Fee(inclusion of taxes)</i>
Supply & Installation, Testing & Commissioning of Electrical Panel and allied works	19,50,000/-	39,000/-	500/-

The Tender Document can be downloaded from institute website: <http://www.iimsambalpur.ac.in> and Central Public Procurement (CPP) Portal <http://eprocure.gov.in/epublish/app> and bid is to be submitted offline up to the last date and time of submission of tender.

Critical Dates of Tender:

S/N	Particulars	Date	Time
01	Date and Time of Online Publication / Download of Tender	25-04-2018	1530 Hrs.
02	Bid Submission Start Date and Time	25-04-2018	1530 Hrs.
03	Bid Submission Close Date and Time	09-05-2018	1530 Hrs.
04	Closing date and time for Submission of original EMD/Tender Fee	09-05-2018	1530 Hrs.
05	Opening of Technical Bids	10-05-2018	1600 Hrs.

1. ABOUT IIM SAMBALPUR

IIM Sambalpur was registered as a Society under Societies Registration Act, XXI of 1860 on August 19, 2015. The temporary campus of IIM Sambalpur is at Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur - 768019. IIM Sambalpur has been allotted a piece of land measuring over 200 acres in Basantpur, for the permanent campus by the Government of Odisha.

2. SCOPE OF WORK

Supply, Installation, Testing & Commissioning (SITC) of **Electrical Panel and allied works at IIM Sambalpur** as per the **Bill of Quantities (BoQ) placed at Annexure-VI**. The bidders are required to visit the designated places of IIM Sambalpur to understand the detailed requirement w.r.t. above mentioned BoQ.

LIST OF DRAWINGS ATTACHED:

SR NO	DRAWINGS	DRAWING NO
1	ELECTRICAL LAYOUT PLAN FOR GROUND AND FIRST FLOOR	D1a, D1b
2	ELECTRICAL LAYOUT PLAN FOR HOSTEL	D2
3	ELECTRICAL LAYOUT PLAN FOR AUDITORIUM	D3
4	PLYWOOD BAND FOR ELECTRIC WIRING	D4

3. TENDER FEE AND EARNEST MONEY DEPOSIT DETAILS

- a) **Tender Fee of Rs. 500/- (Rupees five hundred only) and EMD of Rs. 39,000/- (Rupees Thirty Nine Thousand only)** to be submitted through NEFT/RTGS in favour of **Indian Institute of Management Sambalpur by due date & time**. The bank details are mentioned below:

BANK DETAILS:

Name: Indian Institute Management Sambalpur
Bank Name: State Bank of India
Account Number: 36134431122
IFS Code: SBIN0030525

- b) Micro and Small Enterprises (MSEs) firms as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or the firms registered with the Central Purchase Organisation or the concerned Ministry or Department or Startups as recognized by Department of Industrial Policy & Promotion (DIPP), are exempted from Tender fee/EMD. However, they have to enclose valid self-attested registration certificate(s) along with the tender to this effect.

- c) EMD of all unsuccessful bidders (if any) will be returned after finalization of the tender. EMD of the successful bidder will be returned only after receipt of Security Deposit towards Performance Guarantee as per **Sl. No. 15 (a)**.
- d) In case of successful tenderer, the EMD (if any) may be adjusted towards the Performance Security deposit on request.
- e) The amount of EMD (if any) is liable to be forfeited, if the tenderer withdraws from the offer after submission of the tender or after the acceptance of the offer and fails to remit the Performance Security Deposit.
- f) No interest will be paid on the EMD (if any) / Performance Security deposited / remitted.
- g) The details pertaining to Tender fee/EMD (if any) are to be filled as per Annexure-I.

4. OTHER IMPORTANT DOCUMENTS, ELIGIBILITY CRITERIA AND TECHNICAL CRITERIA

4.1 Important Documents – Copy of Firm Registration Certificate, PAN Card, GST are to be provided along with Annexure-VIII.

4.2 Eligibility Criteria

- a) The Bidder should give self-declaration certificate for acceptance of all terms and conditions of tender documents. A duly completed certificate to this effect is to be submitted as per the **Annexure-II**.
- b) The firm should be neither blacklisted by any government department nor should there be any criminal case registered/pending against the firm or its owner/partners anywhere in India. A duly completed certificate to this effect is to be submitted as per **Annexure-III**.
- c) The firm should attach list of Work Orders/ documentary evidence where the similar type of work has been executed during previous seven years in CPWD/BSNL/Postal/Orissa State Govt. from the date of publication of tender as detailed below

(I) One similar works of 50% of the estimated cost

The details of the same along with supporting document are to be submitted as per the **Annexure-IV**.

- d) Copy of Income Tax Return file for the last three years as per **Annexure-V**.
- e) **The bidder should have all valid statutory documents such Electrical License for successful execution of tendered work. Supporting documents are to be submitted along with the technical bid.**

4.3 Technical Criteria

Bidders should comply with the specification of the tendered item in all respect, No deviations are acceptable. The detailed format is attached at **Annexure-VI**. The bidder is to complete the same in all respect and submit accordingly.

5. FINANCIAL BID DETAILS

Financial bid (i.e. BOQ) given with tender is to be submitted after filling all relevant information. The priced BOQ should be submitted strictly **as Annexure-VII** available with the tender failing which the offer is liable for rejection. Kindly quote your price on for IIM Sambalpur (inclusive of all taxes and charges).

The vendor should quote prices in BOQ only, offers indicating rates anywhere else shall be liable for rejection.

6. TIME SCHEDULE

S/N	Particulars	Date	Time
01	Date and Time of Online Publication / Download of Tender	25-04-2018	1530 Hrs.
02	Bid Submission Start Date and Time	25-04-2018	1530 Hrs.
03	Bid Submission Close Date and Time	09-05-2018	1530 Hrs.
04	Closing date and time for Submission of original EMD/Tender Fee	09-05-2018	1530 Hrs.
05	Opening of Technical Bids	10-05-2018	1600 Hrs.

7. AVAILABILITY OF TENDER

The Tender Document can be downloaded from institute website <http://www.iimsambalpur.ac.in> and Central Public Procurement (CPP) Portal <https://eprocure.gov.in/epublish/app>. to be submitted offline only up to the last date and time of submission of tender.

8. BID VALIDITY PERIOD

The bid will remain valid for 90 days from the date of opening of financial bid as prescribed by IIM Sambalpur. A bid valid for a shorter period shall be rejected, being non-responsive.

9. OFFLINE BID SUBMISSION

All technical documents related to tender along with the proof of EMD/Tender fee submission are to be covered in one sealed envelope duly superscripting "Technical Bid – NIT for Electrical Panel & allied works".

Financial Bid as per the attached BoQ Filled with all relevant information as per Annexure-VII is to be sealed in separate envelope duly subscribing "Financial Bid – NIT for Electrical panel and allied works".

Both Technical and Financial bids are to be put in a single envelope duly sealed and subscribing "NIT for Electrical Panel and allied works" are to submitted by due date & time

addressed to:

Administrative Officer
Indian Institute of Management Sambalpur
Sambalpur University Campus,
Jyoti Vihar, Burla, Sambalpur
Odisha 768019, India
Mb: 07064410810
Email id: procurement@iimsambalpur.ac.in

10. BID OPENING

- a) Technical Bids will be opened on 10-05-2018 at 1600 Hrs.
- b) Financial Bids of the eligible bidders will be opened on a later date. The date and time for the opening of Financial Bids will be announced later.
- c) Bids should be summarily rejected, if the tender is not submitted within stipulated date/time.

11. BID EVALUATION

Based on results of the Technical evaluation IIM Sambalpur evaluates the Commercial Bid of those Bidders who qualify in the Technical evaluation. **IIM Sambalpur reserves the right to place the order to overall lowest bidder or split the order to more than one bidder at the respective lowest price.**

12. PAYMENT TERMS

No advance payment will be made in any case. Bills in duplicate should be sent and payment shall be released as per the work done generally within 30 days, only after it is ensured that the SITC of items supplied to entire satisfaction of IIM Sambalpur. In case any product is found defective, or not of desired quality etc., the same should be returned by the firm (s) immediately (maximum 7 days) for which no extra payment shall be made.

13. WARRANTY OF QUALITY AND QUANTITY

- (a) The awardee shall give minimum one-year onsite warranty on the executed works.
- b) The awardee shall give warranty that all items are as per specification(s), conforming to the specified design and there are no defects in the process of manufacturing, packaging, transportation and delivery.
- c) Upon receipt of notice from IIM Sambalpur for defective material, the firm shall within 7 days of receipt of the notice, replace the defective material, free of cost at the destination. The firm shall take over the defective material at the time of their replacement. No claim whatsoever shall lie on IIM Sambalpur for the replaced goods

thereafter. If the firm fails to replace the defective goods within a reasonable period, IIM Sambalpur may proceed to take such remedial actions as may be necessary, at the company's risk and expense.

14. LIQUIDITY DAMAGES

In case of delay in SITC by the stipulated date, IIM Sambalpur reserves the right of imposing Liquidated Damages (LD) @ 0.5 % per week, subject to maximum 10 % of the total cost of supply order.

15. PERFORMANCE SECURITY DETAILS

- (a) The successful bidder will have to deposit the performance guarantee in the form of Bank Guarantee/D.D. at the rate of 10% of the total value of order immediately on receipt of order in favour of IIM Sambalpur, and the same will remain with IIM Sambalpur until expiry of warranty period (**15 Months**). No interest will be paid by IIM Sambalpur on the deposit.
- (b) Performance Security will be refunded to the supplier, after it duly performance completes the contract/warranty period in all respects.
- (c) Performance Security will be forfeited if the firm fails to perform/abide by any of the terms or conditions of the contract.
- (d) In case, the firm fails to SITC the required goods/items within specified delivery period, the same goods/items will be procured from open market and the difference of cost, if any, will be recovered from Performance Security or from pending bill(s) of the defaulting firm or from both in case the recoverable amount exceeds the amount of Performance Security.
- (e) In case of non-receipt of Security Deposit within the stipulated time, EMD will be converted into Security Deposit and the balance amount will be recovered from the bill submitted for the payment.

16. DELIVERY SCHEDULE

The successful bidder should complete the SITC of the respective ordered items within 30 days at IIM Sambalpur from the receipt of the purchase order. In case of any damage/defect found, the item(s) should be replaced within 7 days at IIM Sambalpur. The bidder has to make own arrangement for unloading of the items.

17. TERMS AND CONDITIONS

17.1 Force Majeure

a) Should any force majeure circumstances arise, each of the contracting parties be excused for the non- fulfilment or for the delayed fulfilment of any of its contractual obligations, if the affected party within 7 days of its occurrence informs in a written form to the other party.

b) Force Majeure shall mean fire, flood, natural disaster or other acts such as war, turmoil, sabotage, explosions, epidemics, quarantine restriction, strikes, and lockouts i.e. beyond the control of either party.

17.2 Termination for Insolvency

The IIM Sambalpur may at any time terminate the Contract by giving a written notice to the awarding firm, without compensation to the firm, if the firm becomes bankrupt or otherwise insolvent as declared by the competent Court, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the department.

The courts of Sambalpur alone will have the jurisdiction to try any matter, dispute or reference between the parties arising out of this purchase. It is specifically agreed that no court outside and other than Sambalpur Court shall have jurisdiction in the matter

18.3 ARBITRATION

In the event of any dispute or difference arising under this supply, the Director, IIM Sambalpur or his nominee is the arbitrator and the decision of the arbitration will be binding on both parties.

17.4 OTHER CONDITIONS

a) IIM Sambalpur reserves the right to accept or reject any or all the tenders in part or in full or may cancel the tender, without assigning any reason thereof.

b) IIM Sambalpur reserves the right to relax / amend / withdraw any of the terms and conditions contained in the Tender Document without assigning any reason thereof. Any inquiry after submission of the quotation will not be entertained.

c) IIM Sambalpur reserves the right to modify / change / delete / add any further terms and conditions prior to issue of work order.

d) IIM Sambalpur reserves the right to place repeat order upto 100% of the quantities within a period of 12 months from the date of successful completion of work order at the same rates and terms subject to the condition that there is no downward trend in prices.

e) In case the bidders/successful bidder(s) are found in breach of any condition(s) at any stage of the tender, Earnest Money/Performance Security shall be forfeited.

f) Conditional tenders will not be considered in any case.

g) In case of doubt in material, the expenditure on testing of equipment will be borne by the tenderer.

- h) IIM Sambalpur shall not be responsible for any postal delay in submitting the complete bid by due date and time.
- i) **IIM Sambalpur reserves the right to place the order to overall lowest bidder or split the order to more than one bidder at the respective lowest price.**
- j) **IIM Sambalpur may issue corrigendum to tender documents before due date of Submission of bid. The bidder is required to read the tender documents in conjunction with the corrigendum, if any, issued by IIM Sambalpur. The bidder is not supposed to modify the tender document.**
- k) **Contractor has to make its own arrangement for compliance of all prevailing safety norms for undertaking the contract awarded. All works are to be completed in compliance to prevailing statutory norms. IIM Sambalpur in no way responsible for any default on account of contractor's non-compliance to statutory norms for the works awarded/completed.**
- l) The competent authority does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
- m) **This works comes under Works contract. The taxes as applicable shall be deducted from each bill paid to the contractor.**
- n) **The specifications, Terms & Conditions, other regulations which are not herein mentioned will be guided by relevant CPWD guidelines, manual, specifications / BIS / IS/ Other Central / State Govt. norms applicable for IIM Sambalpur & as prescribed by the OEM and the decision in this regard will be guided by the decision of the respective authority of IIM Sambalpur which shall be final and binding to the contractor.**
- o) **Inspection of materials/work at site:** The IIM Sambalpur's engineer and /or his representative shall inspect the materials at site after delivery before the same is used in the work. The IIM's engineer and /or his representative shall have free and full access at any time during execution of the contract to the contractor's works or site. In case of execution of work for the aforesaid purpose, and IIM's engineer may require the contractor to make arrangements for inspection of work or any part thereof or any material at his premises or at any other place specified by the IIM Sambalpur's Engineer.
- p) **The IIM Sambalpur's Engineer shall have the power-**
- i) To reject any equipment or parts submitted, as not being in accordance with the specification;

- ii) To reject the whole/part of the items & materials tendered for inspection, if after inspection of such portion thereof, as he may in his discretion think fit, he is satisfied that the same is unsatisfactory; and
- iii) To mark the rejected items / materials or parts with a rejection mark so that it may easily be identified if re-submitted.

q) Maintenance & guarantee/warranty of the system:

- i) The rate quoted should be inclusive of charges of all the accessories and fittings including supply, installation & commissioning of the system at earmarked / specified locations including maintenance of the system during Defect Liability Period of 01 (ONE) year. During the Defect Liability Period of ONE year, IIM Sambalpur reserve the right to cross check the performance of the systems with the minimum performance levels specified in the specifications.
- ii) Any defect / fault noticed in the installed systems shall be rectified within 7days (Maximum) time to put back the system into operation. Any delay more than 7 days will be viewed seriously and may call for proportionate extension of warranty period and may also be linked with penalty of Rs. 500/- per day of delay or both.
- iii) Defective/ non-functioning part of the system shall be repaired / replaced free of cost by the successful bidder within the Defect Liability Period of ONE Year for proper, sustained & reliable operation of the System.
- iv) One copy of the operation and maintenance manual in English for the system as per standard format is to be supplied to IIM Sambalpur. The operation and maintenance manual should get approved from IIM SAMBALPUR by the successful bidder.
- v) The contractor shall be responsible for the satisfactory performance of the system during ONE years of defect liability period. Any complaint received from IIM SAMBALPUR must be attended within seven days from the receipt of complaint in writing or telephonically, failing which IIM SAMBALPUR will make the system functional and debit the expenditure to the party which will be deducted from the remaining payment due to the manufacturer and the defaulter contractor will be blacklisted.

Any damage of the existing structure, building etc. made by the successful bidder during execution of this work shall be made good as it was at his own cost & risk.

Safety Codes

1. Cutting / drilling machine and other electrically operated equipments used at site shall be plugged into correctly rated electrical outlets.
2. Only ISI marked 3 pin plug and other appliances and equipments shall be used.
3. Electrical power cables/wires used shall not have any joints and shall be properly rated.
4. All electrical appliances i.e. welding, drilling, cutting machine etc. shall be safely and securely earthed to prevent leakage current while in operation.

5. Before commencing the welding work for the first time on any day, fire section shall be informed and only after the site inspection by the Fire officers/Personnel, work shall be started.
6. Two buckets of water and sand shall be kept in an easily accessible area on the site.
7. Fire extinguishers recommended and issued by fire officers shall be kept on the site.
8. Used paint drums shall be stored in specified store only after closing them properly.
9. Personal protective equipments such as safety shoes, hand gloves, welder's mask, ear plug etc. depending upon the requirement of the work shall be provided by the contractor to the workmen to prevent occupational health hazards.
10. The safety belt shall be provided by the contractor and used by the workmen while working from height for more than 10" from Ground level.
11. Passages near lift lobby and staircases shall be used for stacking / dumping any kind of materials/waste.
12. None of the fire extinguishers shall be removed/shifted from its designated location.
13. Power supply shall be switched off from the mains when equipment is not in use.
14. Wood-shavings and saw-dust generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
15. Any debris generated from the work shall be collected on daily basis, removed from site and stored at the designated place in proper manner.
16. Battery operated emergency light/torches shall be provided by the contractor to the workmen while working beyond office hours.

Dismantled Material IIM Sambalpur Property: The contractor shall treat all materials obtained during dismantling of a structure, excavation of the site for a work, etc. as IIM Sambalpur's property and such materials shall be disposed off to the best advantage of IIM Sambalpur according to the instructions in writing issued by the Engineer-in-Charge.

Work to be executed in Accordance with Specifications, Drawings, Orders etc.

The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by the Engineer-in-Charge and the contractor shall be furnished free of charge one copy of the contract documents together with specifications, designs, drawings and instructions as are not included in the standard specifications of Central Public Works Department specified in Schedule "F" or in any Bureau of Indian Standard or any other, published standard or code or, Schedule of Rates or any other printed publication referred to elsewhere in the contract.

The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

Labour Laws to be complied by the Contractor: The contractor shall obtain a valid licence under the Contract Labour (R&A) Act, 1970, and the Contract Labour (Regulation

and Abolition) Central Rules, 1971 before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986.

The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996. Any failure to fulfil these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.

No labour below the age of fourteen years shall be employed on the work.

Minimum Wages Act to be Complied With: The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed thereunder and other labour laws affecting contract labour that may be brought into force from time to time.

The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than fair wages as defined in the C.P.W.D. Contractor's Labour Regulations or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.

Employment of skilled/semi-skilled workers: The contractor shall, at all stages of work, deploy skilled/semi-skilled tradesmen who are qualified and possess certificate in particular trade from CPWD Training Institute/Industrial Training Institute/National Institute of Construction Management and Research (NICMAR)/ National Academy of Construction, CIDC or any similar reputed and recognized Institute managed/ certified by State/Central Government.

Unfiltered water Supply and Electricity: The contractor(s) shall make his/their own arrangements for water and electricity required for the work and nothing extra will be paid for the same.

The contractor shall provide all necessary superintendence during execution of the work and all along thereafter as may be necessary for proper fulfilling of the obligations under the contract. The contractor shall immediately after receiving letter of acceptance of the tender and before commencement of the work, intimate in writing to the Engineer-in-Charge, the name(s), qualifications, experience, age, address(s) and other particulars along with certificates, of the principal technical representative to be in charge of the work and other technical representative(s) who will be supervising the work.

The quantities of various items incorporated in the tender are approximate. However, the payments shall be made to the contractors on the basis of actual measurements taken at site.

In order to achieve the targeted date of completion the contractor may have to work in multiple shifts, round the clock including public and gazetted holidays and nothing extra shall be paid on this account.

The contractor shall be responsible for all statutory provisions and deductions towards ESI, PF or any other, as the case may be or any other levies and taxes shall be borne by the contractors. The TDS and Contract Tax or any other statutory levels/taxes incorporated from time to time shall be deducted

After completion of work and before issuance of certificate of virtual completion the contractor shall submit eight (8) sets to the Engineer-in-charge, layout drawing drawn at appropriate scale indicating the complete system 'as installed'.

The contractor shall prepare and produce instruction, operation and maintenance manuals in English for the use, operation and the maintenance of the supplied equipment and installations and submit to the Engineer-in-charge at the time of handing over.

The tenderer should in his own interest visit the site and familiarizes himself with the site conditions before tendering.

List of Approved Makes (Electrical)

Sr.No.	Component	Approved Make
1	PVC rigid casing and cabling/casing and cabling & Accessories	1.5 mm thick Precision Plastic Co. ISI and FIA approved
2	a) L.T. Cables	RR Kable/ Avocab / Polycab
	b) Wires (FRLS)	R R Kable / Finolex /avocab
3	Main Distribution Boards	MDS Legrand / ABB / Schenider
4	Miniature Circuit Breaker	MDS Legrand / ABB / Schenider
5	ELMCB / RCCB	MDS Legrand / ABB / Schenider
6	Domestic fittings (Colour of cover plates shall be selected by Architects / Consultants / Client)	
	a) 5A one / two way switch	M. K. India Make (Wraparound) / MDS Legrand Mosiac / ABB Modular
	b) 15A switch socket	M. K. India Make (Wraparound) / MDS Legrand Mosiac / ABB Modular
	c) 5A 5 pin socket	M. K. India Make (Wraparound) / MDS Legrand Mosiac / ABB Modular
	e) 15A switch	M. K. India Make (Wraparound) / MDS Legrand Mosiac / ABB Modular
	f) 5A switch / socket	M. K. India Make (Wraparound) / MDS Legrand Mosiac / ABB Modular
	g) Adhesive Tape	Bhor (Steel Grip) or approved or equivalent
	h) Holders / ceiling roses	Anchor Make
	i) Telephone (RJ 11) / T.V. sockets (Co-axial)	M. K. India Make (Wraparound) / MDS Legrand Mosiac / ABB Modular
	j) Cable Management System /PVC Trunking	M. K. India / MDS
7	10 - 30 A Polycarbonate Socket & Top	MDS

8	Telephone Wires / Cable	R R Kable / Finolex
9	T.V. Co-Axial Cable	R R Kable / Finolex
10	Telephone tag block	Krone tags with standard box with Locking arrangement
11	Cable Lugs	Dowell
12	Cable gland Single / Double Compression	Comet
13	Cable gland FLP Double Compression	Comet
14	Lighting Fixtures	Philips / Wipro
15	Lighting Fixtures (Flame Proof)	Baliga
16	Wall Fans / Air- Circulator fan	Crompton / Almonard
17	Ceiling fans	Crompton / Bajaj / Khaitan make.
18	Exhaust fan (Light duty)	Crompton / Khaitan make.
19	Exhaust fan (Heavy duty)	Crompton / GEC / Alstom make.
20	Exhaust fan (Heavy duty)Flame proof	Crompton / FCG / Baliga / Flexpro make.
21	Switch gears	ABB / L & T / Seimens make.
22	HRC fuses	GE / L& T / Seimens make.
23	MCCB	ABB / Merilin Gerin / MDS Legrand make
24	Ammeter / Voltmeter (Digital Type)	AE /Enercon make.
25	Selector switches	L & T salzer / Kaycee make.
26	Indicator lamps	LED type Teknic .
27	HRC fuse back-up and holder	GEC / Standard / L&T
28	Connector strips	Elmex make.
29	Load Manager Energy Management System	Enercon / L&T
30	KWH Meter	Enercon
31	Relays (Protection)	Siemens
32	Push Button Station	Baliga
33	HT Cable termination	Raychem
34	Misc. Hardwares	As approved by EIC / Client / Consultants

ANNEXURE – I

To

Administrative Officer
Indian Institute of Management Sambalpur
Sambalpur University Campus
Jyoti Vihar, Sambalpur - 768019
Odisha

Sub: - Tender and EMD Details.

Ref: - Tender No. IIMSBP / 2017-18 / RP/ 05 dated 24-04-2018

(Notice Inviting Tender for Supply, installation, testing & commissioning of Electrical Panel and allied works at IIM Sambalpur).

Dear Sir,

The followings are NEFT/RTGS details towards EMD/Tender Fee:

Particulars	Amount	NEFT/RTGS Reference	NEFT/RTGS Date	Bank Name
EMD	Rs. 39,000/-			
Tender Fee	Rs.500/-			

Thanking you

Yours faithfully,

(Authorised Signatory with Seal)

ANNEXURE – II

To

Administrative Officer
Indian Institute of Management Sambalpur
Sambalpur University Campus
Jyoti Vihar, Sambalpur - 768019
Odisha

Sub: - Self Declaration Certificate

Ref: - Tender No. IIMSBP / 2017-18 / RP/ 05 dated 24-04-2018
(Notice Inviting Tender for Supply, installation, testing & commissioning of Electrical Panel and allied works at IIM Sambalpur)

Dear Sir,

With reference to the above, I am/ We are offering our competitive bids for Notice Inviting Tender for (Notice Inviting Tender for Supply, installation, testing & commissioning of Electrical Panel and allied works at IIM Sambalpur), I / We hereby reconfirm and declare that I / We have carefully read, understood and complying the above referred tender document including instructions, terms and conditions, specifications, schedule of quantities and all the contents stated therein.

I / We also confirm that the rates quoted by me/us are inclusive of all taxes, duties etc, applicable as on date and are for IIM Sambalpur, and free delivery, and installation at IIM Sambalpur Campus, Sambalpur University Campus, Jyoti Vihar, Burla, Sambalpur.

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:

Email ID:

ANNEXURE – III

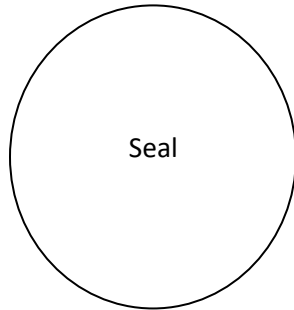
CERTIFICATE
(To be provided on letterhead of the firm)

I hereby certify that the above firm neither blacklisted by any Central / State Government / Public Undertaking / Institute nor is any criminal case registered/pending against the firm or its owner/ partners anywhere in India.

I also certify that the above information is true and correct in any every respect and in any case, at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

Date:

Place:



Authorized Signatory

Name:

Designation:

Contact No.:

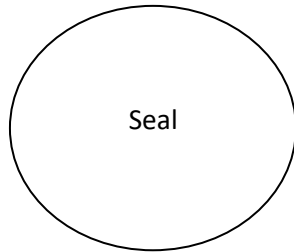
ANNEXURE – IV

Work Order Details:

S. No.	<i>Evaluation Criteria</i>	<i>Name of the Client</i>	<i>Order No. and Date</i>	<i>Amount</i>	<i>Remark</i>
	List of Work Order where the similar type of Work executed by you during the 7 years from the date of publication of tender				Satisfactory completion certificate from client along with copy of relevant work orders are to be enclosed.
1	One similar works of 50% of the estimated value	1.			

Date:

Place:



Authorized Signatory

Name:

Designation:

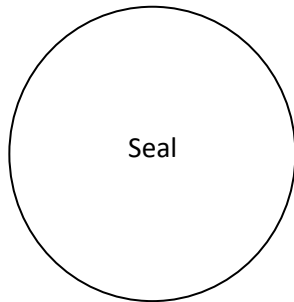
Contact No.:

ANNEXURE – V

INCOME TAX RETURN DETAILS:

Evaluation Criteria			Remark
Bidder's Income Tax Return for last three financial years 2013-14 to 2015-16 OR 2014-15 to 2016-17	Financial Year	Income Tax Return	-
	2016-17		Supporting Documents are to be attached along with the Annexure-V
	2015-16		
	2014-15		
	2013-14		

Date:



Place:

Authorized Signatory:

Name:

Designation:

Contact No.:

ANNEXURE –VIII

Statutory Documents

Name of the Party		
Date of Incorporation / Establishment		
PAN Number		
Sales / Service Tax Registration Number		
Registered Office Address		
Authorized Signatory Details	Name	
	Designation	
	Email	
	Phone	
Details of Contact other than Authorized Signatory	Name	
	Designation	
	Email	
	Phone	

Signature and Seal of the Tenderer:

Name in Block Letter:

Designation:

Contact no.

Date:

Full Address:

ANNEXURE –VI

TECHNICAL BID

Sr. No	Descriptions	Unit	Qty			Complied Yes / No.	Bidder's offered Make & Model	Remarks
			ACADEMIC	HOSTEL	AUDITORIUM + TOILET			
A	MAIN PANELS							
1	Supply , installation, testing and commissioning of Main as per drawing and specifications. of Panel should be dust and vermin proof (IP-52). Panel shall be fabricated from 14 /16 SWG CRCA sheet metal duly painted with seven tank process of approved paints. Panel consisting of following.....							
1a	MAIN PANELS							
	- Incomming-1 : 630 A FP MCCB, 50kA Microprocessor based							
	- 630 A, 440V, TPN, Alu. Busbars.							
	- 40 x 6 mm Alu. Earth Busbars							
	- Load managers with all accessories.							
	- indicating lamps							
	- 630 A FP Change Over switch							
	<i>Outgoing Feeders : (Note : All MCCBs shall be Ics = 100 % Icu)</i>							
	- 80 A TP MCCB, T/M, 25 kA, (4 nos)							
	- 63/40 A FP MCB, 10 kA (13 no)	no	1					

	TOTAL- A - MAIN PANELS							
B	LIGHTING, POWER & COMPUTER POWER SUPPLY DISTRIBUTION BOARDS							
	(QUANTITIES TO BE RE-CONFIRMED BEFORE ORDERING)							
2	Supply , installing, testing and commissioning of metallic double door type distribution board with following MCBs / ELMCBs / RCCBs / etc. with all necessary connections, remaining blank area shall be covered with blanking (dummy) plates etc. complete. (All DBs shall be installed concealed							
2a	4-WAY TPN DB : (ACDBs) (light Dinning and kitchen)							
	Incoming : 63 A FP MCB							
	Outgoing : 6 to 32 A SP MCB (12 nos)	nos.	4	3	2			
2b	4-WAY VTPN DB : (ACDBs)							
	Incoming : 80 A TP MCCB							
	Outgoing : 6 to 32 A SP MCB (12 nos)	nos.	4					
	TOTAL - B - FOR DISTRIBUTION BOARDS							
D	INTERNAL WIRING -							

	<p>NOTE : ALL JARIES OR CHASES IN WALLS / COLUMNS / SLABS SHALL BE MADE BY MACHINE AND THE ELECTRICAL CONTRACTOR FOR INSTALLATION OF CASING AND CABLING/Casing and cabling/ S.B. / BOXES ETC. THE FILLING OF THE SAME IS IN THE SCOPE OF THE ELECTRICAL CONTRACTOR INCLUDING ALL NECESSARY MATERIAL AND LABOUR COMPLETE. THE RATE SHOULD BE QUOTED ACCORDINGLY.</p>							
	<p>THE SCOPE OF CONTRACTOR INCLUDES PACKING / UNPACKING / SHIFTING / LOADING / UN-LOADING OF ALL CLIENT SUPPLIED MATERIALS.</p>							
5	<p>Providing and making point wiring in surface / concealed in slab, walls, furnitures and for above false ceiling, or on ceiling, on beams shall be fixed with saddles and spacers etc., with casing and cabling/casing and cabling taken in/on slab with 20 mm dia., 2mm thick PVC rigid FIA approved ISI marked casing and cabling/casing and cabling with bends, tees, elbows, junction boxes etc., with 650 / 1100 V grade ISI marked PVC insulated copper conductor wires i.e. 2 Nos. of 1.5 sq.mm and 1 no of 1.0 sq.mm multi-stranded flexible type single PVC insulated copper conductor wires all</p>							

	accessories screws and washers, modular series switches with all accessories of M.K. India make wraparound / MDS Legrand / ABB make such as 5 amp, 5 pin, socket, one or two way switch all mounted on modular cover plate with flush company made metal box and outlet box of 16 SWG GI with its accessories, angle holder / batten holder / ceiling rose, 3 mm thick hylam cover plates for outlet box etc., electrical point to be complete in all respect to the satisfaction of E.I.C.							
	a) One 5A switch controlling primary light point	pts.	50	12	18			
	b) Secondary light point looped from nearest primary light point	pts.	34	12	8			
	c) Two way controlling light point	pts.	1					
	d) One 5A switch controlling one fan point with fan hook using double fastner fan hook and step control humfree Fan Regulator complete	pts		10				
	e) 5A socket outlet (5 pin) with 5A SP switch (on common board).	pts	25	4	4			
	f) 5A socket outlet (5 pin) with 5A SP switch (as an independent point) .	pts	207	22	10			

6	Supply and installation of 5/15A (6 pin) switch socket of M.K. India make Wraparound series / MDS Legrand / ABB make with flush metal box of company made with modular cover plate complete duly concealed with all necessary terminations complete to the satisfaction of E.I.C. (Without wiring)	nos	13	2	15			
7	Supply and installing 32 A, 230V, Industrial polycarbonate socket outlet with top all enclosed in pre-fabricated powder coated box company made complete duly concealed with all necessary terminations complete to the satisfaction of EIC (For AC). (Without wiring)	nos	83	4	12			
8	Supply and installation of 32A DP switch of M.K. India make Wraparound series / MDS Legrand / LK pace English model make with flush metal box of company made with modular cover plate complete duly concealed with all necessary terminations complete to the satisfaction of E.I.C. (for AC On/Off)	nos	83	4	12			

9	Providng, installing, testing, commissioning of mains / sub-mains of following sizes PVC insulated copper conductor multi-stranded flexible type wires with 20 / 25mm dia., 1.5 mm thick FIA approved ISI marked PVC casing and cabling/casing and cabling with all accessories complete with following wires.							
	a) 2 nos. of 2.5 sq mm wires and 1 no. of 1.0 sq mm PVC Insulated copper conductor wires (DB TO SB & SB TO SB).	rmt	125	75	45			
	b) 2 nos. of 4.0 sq mm wires and 1 no. of 2.5 sq mm PVC Insulated copper conductor wires (15 A / Split AC power plugs).	rmt	1200	120	220			
	c) 4 nos. of 4.0 sq mm wires and 1 no. of 2.5 sq mm PVC Insulated copper conductor wires	rmt	100					
	d) 4 nos. of 6.0 sq mm wires and 1 no. of 4.0 sq mm PVC Insulated copper conductor wires			50	30			
	e) 4 nos. of 16.0 sq mm wires and 1 no. of 10.0 sq mm PVC Insulated copper conductor wires In PVC Trunking minimum 50 x 50 mm insize	rmt	200					

10	Providng, installing, testing, commissioning of mains / sub-mains of 2 x 2.5 sq.mm and 1 x 1.0 sq.mm PVC insulated copper conductor multi-stranded flexible type FRLS wires in existing casing and cabling//casing and cabling / trunking / raceways. Including ferrule numbering to identify the wires in each piece of wire at both the ends etc. complete to the satisfaction of EIC (looping from existing JB with wiring done for 5 A sockets)	rmt	250	75	65			
	TOTAL - D - FOR INTERNAL WIRING							
E	LIGHTING FIXTURES							
11	Supply, installation, testing and commissioning of following Light fixtures etc. Including supply and installation of flexible cords, ball sockets, down rods, hardwares etc. Excluding supply and fabrication of structural steel supports for industrial fixtures in plant bldgs. but inclusive of erection of fixtures with all necessary structural steel supports and to be welded or nut-bolting with all necessary fabrication and drilling etc.complete.							
11a	10 W LED light fixture with control driver duly mounted on wall / ceiling	nos.	4					

	etc. complete (LAFIT MAKE CAT. No.ZEUS, LFWL 758)							
11b	30 W LED light fixture with control driver duly mounted on wall / ceiling etc. complete (LAFIT MAKE CAT. No.COASTA LFCL900A UP DOWN)	nos.	6					
11c	2000 lumens, 20 W LED batten light fixture with control driver duly mounted on wall / ceiling etc. complete (PHILIPS MAKE CAT. No.BN 550 WLED 6)	nos.	42	5	18			
11d	Recessed false ceiling mounted LED FullGlow 600 x 600 mm panel fixture with necessary assembly lamp, drivers, diffusers etc complete (CROMPTON MAKE LED34S - 6500 3400 LUMEN)	nos.	125					
11e	Surface ceiling mounted 1200 Lumens LED downlight fixture with necessary assembly lamp, drivers, diffuser etc complete (PHILIPS MAKE CAT NO. DN193B LED12S -1200 LUMEN) (ONLY INSTALLATION)	nos.	62	27	18			
	TOTAL - E - LIGHTING FIXTURES							
F	FANS / EXHAUST FANS							

12	Supply, testing and commissioning of following Fans / Exhaust fans / Wall fans etc. Including supply and installation of flexible cords, hardwares etc. Excluding supply and fabrication of structural steel supports for industrial fixtures in plant bldgs. but inclusive of erection of fans with all necessary structural steel supports and to be welded or nut-bolting with all necessary fabrication and drilling etc.complete. (Structural steel supports shall measure and paid extra as per the item in this tender)							
	(NOTE : QUANTITIES FOR FANS / EXHAUST FANS / AIRCULATING FANS TO BE RE-CONFIRMED BEFORE ORDERING)							
12a	Ceiling Fan with condensor A.C. 230V. 50 Cys. 1200 mm sweep complete having 3 blades aluminium body and blade sets without regulator, canopy with necessary down rod upto 1000 mm long erected with 3 core 1.5 qs.mm flexible cable with earthing. (Crompton make High Speed / Bajaj) ONLY INSTALLATION	nos.	88	30				
12b	300 mm dia. Exhaust fan heavy duty with louvers with all required hardwares complete (Crompton / Bajaj)	nos.	8	10	4			

	TOTAL - F - FANS / EXHAUST FANS							
H	POWER & CONTROL CABLES :							
15	Supply , laying, installation, testing and commissioning of armoured XLPE insulated FRLS type, aluminium / copper conductor of the following sizes in existing cable trench / pull - through pipes / on cable tray including supply and fixing aluminium tag numbers at every two meter etc, complete to the satisfaction of EIC (Verify the actual length as per the cable schedule and preparing the drum length before procurement)							
15a	3.5 x 185 sq.mm Alu. A2XFY cable	mts	60					
	TOTAL -H - POWER & CONTROL CABLES :							
I	END TERMINATIONS							
16	End termination of following PVC / XLPE insulated armoured cables including supply and fixing of brass heavy duty double compression type cable glands with PVC hoods and crimping type long barrel heavy duty copper / alluminum lugs (as per conductor of cable) suitable for terminations of armoured cables, including making connection /							

	terminations of all leads of cables, including drilling and tapping of equipment for cable entries as required and including all labour and materials complete to the satisfaction of E.I.C							
16a	3.5 x 185 sq.mm Alu. A2XFY cable	nos	4					
	TOTAL - I - END TERMINATIONS							
J	FIRE DETECTIONS AND ALARM SYSTEM (DIGITAL ADDREASIBLE) -							
	GENERAL: Supply, installation, connection, testing and commissioning of wiring for fire detection and Alarm system as per IS:2189 specification and drawings. (BOSCH MAKE = SUITABLE FOR EXISTING ALREADY INSTALLED BOSCH FIRE DETECTION SYSTEM)							
17	Providing and fixing PVC insulated copper conductor ISI marked armoured cable (IS:1554) 2 x 1.5 sq mm complete with neccessary saddling and clamping complete - as actual quantity measured.	mtr.	750					

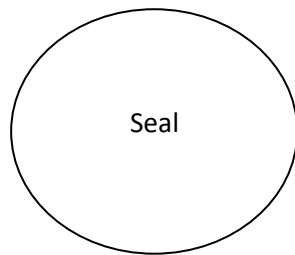
18	Supply, installation, testing and commissioning of Analog Addressable Intelligent optical detector with decentralized intelligence, automatic function self test, soft addressable Photo type with inbuilt fault isolator, complete with base as required for using below False Ceiling	nos.	30					
19	Supply, installation, testing and commissioning of Analog Addressable Intelligent Automatic adaptable to varying environment conditions, multi sensor detector with two inbuilt optical smoke sensors with backward & forward scattering light angles as well as additional heat detector sensor with decentralized intelligence, soft addressable Photo thermal type with inbuilt fault isolator complete with base suitable surface mounted as required for using above False Ceiling.	nos.	31					
20	Supply, installation, testing and commissioning of Analog Addressable Intelligent Automatic adaptable to varying environment conditions, Heat Detector with fixed & rate of rise temperature function with decentralized intelligence, soft addressable type, with inbuilt fault isolator complete with base as required.	nos.	1					

21	Supply, installation, testing and commissioning of Addressable Manual Call Point soft addressable type with inbuilt fault isolator complete as required.	no.	4					
22	Supply, installation, testing and commissioning of Addressable Hooter/Strobe (sound output of minimum 101 db) cum strobe (strength of light 10 cd) complete as required.	no.	4					
23	Supply, installation, testing and commissioning of Microprocessor based 1 loop panel fire alarm control panel fully networkable with each loop capable of taking a minimum 120 addresses, 8 line x 40 character alpha-numeric liquid crystal display . The panel shall be soft addressable type & capable of taking loop length minimum 3.0 km . The panel shall be able to give pin point location of all fire/fault conditions. The panel shall have in built rectifier, Loop cards, LCD unit to indicate Fire/Fault Signal with address and analog output, integral SMF lead acid batteries with sealed cells of 24 V capable of running for a minimum of 24 hours with integral battery charger complete as required and as per	no.	1					

	specification.							
	TOTAL - J - FIRE DETECTION AND ALARM SYSTEM							

Date:

Place:



Authorized Signatory

Name:

Designation:

Contact No.:

ANNEXURE –VII

FINANCIAL BID

SCHEDULE OF QUANTITIES AND ESTIMATE FOR ELECTRIFICATION WORKS IIM SAMBALPUR ACADEMIC BLOCK

Sl. No.	Description	Unit	Qty	Supply		Installation		Total Amount
				Rate (Rs.)	Amount (Rs.)	Rate (Rs.)	Amount (Rs.)	
A	MAIN PANELS							
1	Supply , installation, testing and commissioning of Main as per drawing and specifications. of Panel should be dust and vermin proof (IP-52) . Panel shall be fabricated from 14 /16 SWG CRCA sheet metal duly painted with seven tank process of approved paints. Panel consisting of following:							
1a	MAIN PANELS - Incoming-1 : 630 A FP MCCB, 50kA Microprocessor based - 630 A, 440V, TPN, Alu. Busbars. - 40 x 6 mm Alu. Earth Busbars - Load managers with all accessories. - indicating lamps - 630 A FP Change Over switch <i>Outgoing Feeders : (Note : All MCCBs shall be Ics = 100 % Icu)</i> - 80 A TP MCCB, T/M, 25 kA, (4 nos)							

	- 63/40 A FP MCB, 10 kA (13 no)	no	1					
	TOTAL- A - MAIN PANELS							
B	LIGHTING, POWER & COMPUTER POWER SUPPLY DISTRIBUTION BOARDS (QUANTITIES TO BE RE-CONFIRMED BEFORE ORDERING)							
2	Supply , installing, testing and commissioning of metallic double door type distribution board with following MCBs / ELMCBs / RCCBs / etc. with all necessary connections, remaining blank area shall be covered with blanking (dummy) plates etc. complete. (All DBs shall be installed concealed							
2a	4-WAY TPN DB : (ACDBs) (light Dinning and kitchen) Incoming : 63 A FP MCB Outgoing : 6 to 32 A SP MCB (12 nos)	nos.	4					
2b	4-WAY VTPN DB : (ACDBs) Incoming : 80 A TP MCCB Outgoing : 6 to 32 A SP MCB (12 nos)	nos.	4					
	TOTAL - B - FOR DISTRIBUTION BOARDS							
C	INTERNAL WIRING - NOTE : ALL JARIES OR CHASES IN WALLS / COLUMNS / SLABS SHALL BE MADE BY MACHINE AND THE ELECTRICAL CONTRACTOR FOR INSTALLATION OF CASING AND CABLING / S.B. / BOXES ETC. THE FILLING OF THE SAME IS IN THE SCOPE OF THE ELECTRICAL CONTRACTOR INCLUDING ALL NECESSARY MATERIAL AND LABOUR COMPLETE. THE RATE SHOULD BE QUOTED ACCORDINGLY. THE SCOPE OF CONTRACTOR INCLUDES PACKING / UNPACKING / SHIFTING / LOADING / UN-LOADING OF ALL CLIENT SUPPLIED MATERIALS.							

5	<p>Providing and making point wiring in surface / concealed in slab, walls, furnitures and for above false ceiling, or on ceiling, on beams shall be fixed with saddles and spacers etc., with casing and cabling taken in/on slab with 20 mm dia., 2mm thick PVC rigid FIA approved ISI marked casing and cabling with bends, tees, elbows, junction boxes etc., with 650 / 1100 V grade ISI marked PVC insulated copper conductor wires i.e. 2 Nos. of 1.5 sq.mm and 1 no of 1.0 sq.mm multi-stranded flexible type single PVC insulated copper conductor wires all accessories screws and washers, modular series switches with all accessories of M.K. India make wraparound / MDS Legrand / ABB make such as 5 amp, 5 pin, socket, one or two way switch all mounted on modular cover plate with flush company made metal box and outlet box of 16 SWG GI with its accessories, angle holder / batten holder / ceiling rose, 3 mm thick hylam cover plates for outlet box etc., electrical point to be complete in all respect to the satisfaction of E.I.C.</p>							
	a) One 5A switch controlling primary light point	pts.	50					
	b) Secondary light point looped from nearest primary light point	pts.	34					
	c) Two way controlling light point	pts.	1					
	d) One 5A switch controlling one fan point with fan hook using double fastner fan hook and step control humfree Fan Regulator complete	pts	0					
	e) 5A socket outlet (5 pin) with 5A SP switch (on common board).	pts	25					
	f) 5A socket outlet (5 pin) with 5A SP switch (as an independent point) .	pts	207					

6	Supply and installation of 5/15A (6 pin) switch socket of M.K. India make Wraparound series / MDS Legrand / ABB make with flush metal box of company made with modular cover plate complete duly concealed with all necessary terminations complete to the satisfaction of E.I.C. (Without wiring)	nos	13					
7	Supply and installing 32 A, 230V, Industrial polycarbonate socket outlet with top all enclosed in pre-fabricated powder coated box company made complete duly concealed with all necessary terminations complete to the satisfaction of EIC (For AC). (Without wiring)	nos	83					
8	Supply and installation of 32A DP switch of M.K. India make Wraparound series / MDS Legrand / LK pace English model make with flush metal box of company made with modular cover plate complete duly concealed with all necessary terminations complete to the satisfaction of E.I.C. (for AC On/Off)	nos	83					
9	Providng , installing, testing, commissioning of mains / sub-mains of following sizes PVC insulated copper conductor multi-stranded flexible type wires with 20 / 25mm dia., 1.5 mm thick FIA approved ISI marked PVC casing and cabling with all accessories complete with following wires.							
	a) 2 nos. of 2.5 sq mm wires and 1 no. of 1.0 sq mm PVC Insulated copper conductor wires (DB TO SB & SB TO SB).	rmt	125					
	b) 2 nos. of 4.0 sq mm wires and 1 no. of 2.5 sq mm PVC Insulated copper conductor wires (15 A / Split AC power plugs).	rmt	1200					
	c) 4 nos. of 4.0 sq mm wires and 1 no. of 2.5 sq mm PVC Insulated copper conductor wires	rmt	100					
	d) 4 nos. of 6.0 sq mm wires and 1 no. of 4.0 sq mm PVC Insulated copper conductor wires							

	e) 4 nos. of 16.0 sq mm wires and 1 no. of 10.0 sq mm PVC Insulated copper conductor wires In PVC Trunking minimum 50 x 50 mm in size	rmt	200					
10	Providing , installing, testing, commissioning of mains / sub-mains of 2 x 2.5 sq.mm and 1 x 1.0 sq.mm PVC insulated copper conductor multi-stranded flexible type FRLS wires in existing casing and cabling / trunking / raceways. Including ferrule numbering to identify the wires in each piece of wire at both the ends etc. complete to the satisfaction of EIC (looping from existing JB with wiring done for 5 A sockets)	rmt	250					
TOTAL - C - FOR INTERNAL WIRING								
D	LIGHTING FIXTURES							
11	Supply, installation , testing and commissioning of following Light fixtures etc. Including supply and installation of flexible cords, ball sockets, down rods, hardwares, etc. Excluding supply and fabrication of structural steel supports for industrial fixtures in plant bldgs. but inclusive of erection of fixtures with all necessary structural steel supports and to be welded or nut-bolting with all necessary fabrication and drilling etc. complete.							
11a	10 W LED light fixture with control driver duly mounted on wall / ceiling etc. complete (LAFIT MAKE CAT. No.ZEUS, LFWL 758)	nos.	4					
11b	30 W LED light fixture with control driver duly mounted on wall / ceiling etc. complete (LAFIT MAKE CAT. No.COASTA LFCL900A UP DOWN)	nos.	6					
11c	2000 lumens, 20 W LED batten light fixture with control driver duly mounted on wall / ceiling etc. complete (PHILIPS MAKE CAT. No.BN 550 WLED 6)	nos.	42					

11d	Recessed false ceiling mounted LED FullGlow 600 x 600 mm panel fixture with necessary assembly lamp, drivers, diffusers etc complete (CROMPTON MAKE LED34S - 6500 3400 LUMEN)	nos.	125					
11e	Surface ceiling mounted 1200 Lumens LED downlight fixture with necessary assembly lamp, drivers, diffuser etc complete (PHILIPS MAKE CAT NO. DN193B LED12S -1200 LUMEN) (ONLY INSTALLATION)	nos.	62					
TOTAL - D - LIGHTING FIXTURES								
E	FANS / EXHAUST FANS							
12	Supply , testing and commissioning of following Fans / Exhaust fans / Wall fans etc. Including supply and installation of flexible cords, hardwares etc. Excluding supply and fabrication of structural steel supports for industrial fixtures in plant bldgs. but inclusive of erection of fans with all necessary structural steel supports and to be welded or nut-bolting with all necessary fabrication and drilling etc.complete. (Structural steel supports shall be measured and paid extra as per the item in this tender) (NOTE : QUANTITIES FOR FANS / EXHAUST FANS / AIRCULATING FANS TO BE RE-CONFIRMED BEFORE ORDERING)							
12a	Ceiling Fan with condensor A.C. 230V. 50 Cys. 1200 mm sweep complete having 3 blades alluminium body and blade sets without regulator, canopy with necessary down rod upto 1000 mm long erected with 3 core 1.5 qs.mm flexible cable with earthing. (Crompton make High Speed / Bajaj) ONLY INSTALLATION	nos.	88					
12b	300 mm dia. Exhaust fan heavy duty with louvers with all required hardwares complete (Crompton / Bajaj)	nos.	8					
TOTAL - E - FANS / EXHAUST FANS								

F	POWER & CONTROL CABLES :						
15	Supply , laying, installation, testing and commissioning of armoured XLPE insulated FRLS type, aluminium / copper conductor of the following sizes in existing cable trench / pull - through pipes / on cable tray including supply and fixing aluminium tag numbers at every two meter etc, complete to the satisfaction of EIC (Verify the actual length as per the cable schedule and preparing the drum length before procurement)						
15a	3.5 x 185 sq.mm Alu. A2XFY cable	mts	60				
TOTAL - F - POWER & CONTROL CABLES :							
G	END TERMINATIONS						
16	End termination of following PVC / XLPE insulated armoured cables including supply and fixing of brass heavy duty double compression type cable glands with PVC hoods and crimping type long barrel heavy duty copper / aluminium lugs (as per conductor of cable) suitable for terminations of armoured cables, including making connection / terminations of all leads of cables, including drilling and tapping of equipment for cable entries as required and including all labour and materials complete to the satisfaction of E.I.C						
16a	3.5 x 185 sq.mm Alu. A2XFY cable	nos	4				
TOTAL - G- END TERMINATIONS							
H	FIRE DETECTIONS AND ALARM SYSTEM (DIGITAL ADDRESSABLE) -						

	GENERAL : Supply, installation, connection, testing and commissioning of wiring for fire detection and Alarm system as per IS:2189 specification and drawings. (BOSCH MAKE = SUITABLE FOR EXISTING ALREADY INSTALLED BOSCH FIRE DETECTION SYSTEM)							
17	Providing and fixing PVC insulated copper conductor ISI marked armoured cable (IS:1554) 2 x 1.5 sq mm complete with necessary saddling and clamping complete - as actual quantity measured.	mtr.	750					
18	Supply , installation, testing and commissioning of Analog Addressable Intelligent optical detector with decentralized intelligence, automatic function self test, soft addressable Photo type with inbuilt fault isolator, complete with base as required for using below False Ceiling	nos.	30					
19	Supply , installation, testing and commissioning of Analog Addressable Intelligent Automatic adaptable to varying environment conditions, multi sensor detector with two inbuilt optical smoke sensors with backward & forward scattering light angles as well as additional heat detector sensor with decentralized intelligence, soft addressable Photo thermal type with inbuilt fault isolator complete with base suitable surface mounted as required for using above False Ceiling.	nos.	31					
20	Supply , installation, testing and commissioning of Analog Addressable Intelligent Automatic adaptable to varying environment conditions, Heat Detector with fixed & rate of rise temperature function with decentralized intelligence, soft addressable type, with inbuilt fault isolator complete with base as required.	nos.	1					
21	Supply , installation, testing and commissioning of Addressable Manual Call Point soft addressable type with inbuilt fault isolator complete as required.	no.	4					

22	Supply, installation, testing and commissioning of Addressable Hooter/Strobe (sound output of minimum 101 db) cum strobe (strength of light 10 cd) complete as required.	no.	4					
23	Supply , installation, testing and commissioning of Microprocessor based 1 loop panel fire alarm control panel fully networkable with each loop capable of taking a minimum 120 addresses, 8 line x 40 character alpha-numeric liquid crystal display . The panel shall be soft addressable type & capable of taking loop length minimum 3.0 km . The panel shall be able to give pin point location of all fire/fault conditions. The panel shall have in built rectifier, Loop cards, LCD unit to indicate Fire/Fault Signal with address and analog output, integral SMF lead acid batteries with sealed cells of 24 V capable of running for a minimum of 24 hours with integral battery charger complete as required and as per specification.	no.	1					
TOTAL - H - FIRE DETECTION AND ALARM SYSTEM								
	TOTAL (Excluding Taxes)							
	Discount (%)							
	Discount (Amount in Rs.)							
	GST/IGST Rate (%)							
	Tax Amount							
	Grand Total (With Taxes)							

SCHEDULE OF QUANTITIES AND ESTIMATE FOR ELECTRIFICATION WORKS - IIM SAMBALPUR HOSTEL

Sl. No.	Description	Unit	Qty	Supply		Installation		Total Amount
				Rate (Rs.)	Amount (Rs.)	Rate (Rs.)	Amount (Rs.)	
A	MAIN PANELS							
1	Supply , installation, testing and commissioning of Main as per drawing and specifications. of Panel should be dust and vermin proof (IP-52). Panel shall be fabricated from 14 /16 SWG CRCA sheet metal duly painted with seven tank process of approved paints. Panel consisting of following.							
1a	MAIN PANELS - Incomming-1 : 630 A FP MCCB, 50kA Microprocessor based - 630 A, 440V, TPN, Alu. Busbars. - 40 x 6 mm Alu. Earth Busbars - Load managers with all accessories. - indicating lamps - 630 A FP Change Over switch <i>Outgoing Feeders : (Note : All MCCBs shall be Ics = 100 % Icu)</i> - 80 A TP MCCB, T/M, 25 kA, (4 nos) - 63/40 A FP MCB, 10 kA (13 no)	no						
	TOTAL- A - MAIN PANELS							
B	LIGHTING, POWER & COMPUTER POWER SUPPLY DISTRIBUTION BOARDS <i>(QUANITIES TO BE RE-CONFIRMED BEFORE ORDERING)</i>							

2	Supply , installing, testing and commissioning of metallic double door type distribution board with following MCBs / ELMCBs / RCCBs / etc. with all necessary connections, remaining blank area shall be covered with blanking (dummy) plates etc. complete. (All DBs shall be installed concealed						
2a	4-WAY TPN DB : (ACDBs) (light Dinning and kitchen) Incoming : 63 A FP MCB Outgoing : 6 to 32 A SP MCB (12 nos)	nos.	3				
2b	4-WAY VTPN DB : (ACDBs) Incoming : 80 A TP MCCB Outgoing : 6 to 32 A SP MCB (12 nos)	nos.					
TOTAL - B - FOR DISTRIBUTION BOARDS							
D	INTERNAL WIRING - NOTE : ALL JARIES OR CHASES IN WALLS / COLUMNS / SLABS SHALL BE MADE BY MACHINE AND THE ELECTRICAL CONTRACTOR FOR INSTALLATION OF CASING AND CABLING/ S.B. / BOXES ETC. THE FILLING OF THE SAME IS IN THE SCOPE OF THE ELECTRICAL CONTRACTOR INCLUDING ALL NECESSARY MATERIAL AND LABOUR COMPLETE. THE RATE SHOULD BE QUOTED ACCORDINGLY. THE SCOPE OF CONTRACTOR INCLUDES PACKING / UNPACKING / SHIFTING / LOADING / UN-LOADING OF ALL CLIENT SUPPLIED MATERIALS.						

5	<p>Providing and making point wiring in surface / concealed in slab, walls, furnitures and for above false ceiling, or on ceiling, on beams shall be fixed with saddles and spacers etc., with casing and cabling taken in/on slab with 20 mm dia., 2mm thick PVC rigid FIA approved ISI marked casing and cabling with bends, tees, elbows, junction boxes etc., with 650 / 1100 V grade ISI marked PVC insulated copper conductor wires i.e. 2 Nos. of 1.5 sq.mm and 1 no of 1.0 sq.mm multi-stranded flexible type single PVC insulated copper conductor wires all accessories screws and washers, modular series switches with all accessories of M.K. India make wraparound / MDS Legrand / ABB make such as 5 amp, 5 pin, socket, one or two way switch all mounted on modular cover plate with flush company made metal box and outlet box of 16 SWG GI with its accessories, angle holder / batten holder / ceiling rose, 3 mm thick hylam cover plates for outlet box etc., electrical point to be complete in all respect to the satisfaction of E.I.C.</p>							
	a) One 5A switch controlling primary light point	pts.	12					
	b) Secondary light point looped from nearest primary light point	pts.	12					
	c) Two way controlling light point	pts.						
	d) One 5A switch controlling one fan point with fan hook using double fastener fan hook and step control hum free Fan Regulator complete	pts	10					
	e) 5A socket outlet (5 pin) with 5A SP switch (on common board).	pts	4					
	f) 5A socket outlet (5 pin) with 5A SP switch (as an independent point)	pts	22					

6	Supply and installation of 5/15A (6 pin) switch socket of M.K. India make Wraparound series / MDS Legrand / ABB make with flush metal box of company made with modular cover plate complete duly concealed with all necessary terminations complete to the satisfaction of E.I.C. (Without wiring)	nos	2					
7	Supply and installing 32 A, 230V, Industrial polycarbonate socket outlet with top all enclosed in pre-fabricated powder coated box company made complete duly concealed with all necessary terminations complete to the satisfaction of EIC (For AC). (Without wiring)	nos	4					
8	Supply and installation of 32A DP switch of M.K. India make Wraparound series / MDS Legrand / LK pace English model make with flush metal box of company made with modular cover plate complete duly concealed with all necessary terminations complete to the satisfaction of E.I.C. (for AC On/Off)	nos	4					
9	Providing , installing, testing, commissioning of mains / sub-mains of following sizes PVC insulated copper conductor multi-stranded flexible type wires with 20 / 25mm dia., 1.5 mm thick FIA approved ISI marked PVC casing and cabling with all accessories complete with following wires.	rmt						
	a) 2 nos. of 2.5 sq mm wires and 1 no. of 1.0 sq mm PVC Insulated copper conductor wires (DB TO SB & SB TO SB).	rmt	75					
	b) 2 nos. of 4.0 sq mm wires and 1 no. of 2.5 sq mm PVC Insulated copper conductor wires (15 A / Split AC power plugs).	rmt	120					
	c) 4 nos. of 4.0 sq mm wires and 1 no. of 2.5 sq mm PVC Insulated copper conductor wires	rmt						
	d) 4 nos. of 6.0 sq mm wires and 1 no. of 4.0 sq mm PVC Insulated copper conductor wires	rmt	50					

	e) 4 nos. of 16.0 sq mm wires and 1 no. of 10.0 sq mm PVC Insulated copper conductor wires In PVC Trunking minimum 50 x 50 mm in size	rmt						
10	Providing , installing, testing, commissioning of mains / sub-mains of 2 x 2.5 sq.mm and 1 x 1.0 sq.mm PVC insulated copper conductor multi-stranded flexible type FRLS wires in existing casing and cabling / trunking / raceways. Including ferrule numbering to identify the wires in each piece of wire at both the ends etc. complete to the satisfaction of EIC (looping from existing JB with wiring done for 5 A sockets)	rmt	75					
TOTAL - D - FOR INTERNAL WIRING								
E	LIGHTING FIXTURES							
11	Supply, installation , testing and commissioning of following Light fixtures etc. Including supply and installation of flexible cords, ball sockets, down rods, hardwares etc. Excluding supply and fabrication of structural steel supports for industrial fixtures in plant bldgs. but inclusive of erection of fixtures with all necessary structural steel supports and to be welded or nut-bolting with all necessary fabrication and drilling etc.complete.							
11a	10 W LED light fixture with control driver duly mounted on wall / ceiling etc. complete (LAFIT MAKE CAT. No.ZEUS, LFWL 758)	nos.						
11b	30 W LED light fixture with control driver duly mounted on wall / ceiling etc. complete (LAFIT MAKE CAT. No.COASTA LFCL900A UP DOWN)	nos.						
11c	2000 lumens, 20 W LED batten light fixture with control driver duly mounted on wall / ceiling etc. complete (PHILIPS MAKE CAT. No.BN 550 WLED 6)	nos.	5					

11d	Recessed false ceiling mounted LED FullGlow 600 x 600 mm panel fixture with necessary assembly lamp, drivers, diffusers etc complete (CROMPTON MAKE LED34S - 6500 3400 LUMEN)	nos.						
11e	Surface ceiling mounted 1200 Lumens LED downlight fixture with necessary assembly lamp, drivers, diffuser etc complete (PHILIPS MAKE CAT NO. DN193B LED12S -1200 LUMEN) (ONLY INSTALLATION)	nos.	27					
TOTAL - E - LIGHTING FIXTURES								
F	FANS / EXHAUST FANS							
12	Supply , testing and commissioning of following Fans / Exhaust fans / Wall fans etc. Including supply and installation of flexible cords, hardwares etc. Excluding supply and fabrication of structural steel supports for industrial fixtures in plant bldgs. but inclusive of erection of fans with all necessary structural steel supports and to be welded or nut-bolting with all necessary fabrication and drilling etc.complete. (Structural steel supports shall measure and paid extra as per the item in this tender) (NOTE : QUANTITIES FOR FANS / EXHAUST FANS / AIRCULATING FANS TO BE RE-CONFIRMED BEFORE ORDERING)							
12a	Ceiling Fan with condensor A.C. 230V. 50 Cys. 1200 mm sweep complete having 3 blades alluminium body and blade sets without regulator, canopy with necessary down rod upto 1000 mm long erected with 3 core 1.5 qs.mm flexible cable with earthing. (Crompton make High Speed / Bajaj) ONLY INSTALLATION	nos.	30					
12b	300 mm dia. Exhaust fan heavy duty with louvers with all required hardwares complete (Crompton / Bajaj)	nos.	10					
TOTAL - F - FANS / EXHAUST FANS								

H	POWER & CONTROL CABLES :						
15	Supply , laying, installation, testing and commissioning of armoured XLPE insulated FRLS type, aluminium / copper conductor of the following sizes in existing cable trench / pull - through pipes / on cable tray including supply and fixing aluminium tag numbers at every two meter etc, complete to the satisfaction of EIC (Verify the actual length as per the cable schedule and preparing the drum length before procurement)						
15a	3.5 x 185 sq.mm Alu. A2XFY cable	mts					
TOTAL -H - POWER & CONTROL CABLES :							
I	END TERMINATIONS						
16	End termination of following PVC / XLPE insulated armoured cables including supply and fixing of brass heavy duty double compression type cable glands with PVC hoods and crimping type long barrel heavy duty copper / aluminium lugs (as per conductor of cable) suitable for terminations of armoured cables, including making connection / terminations of all leads of cables, including drilling and tapping of equipment for cable entries as required and including all labour and materials complete to the satisfaction of E.I.C						
16a	3.5 x 185 sq.mm Alu. A2XFY cable	nos					
TOTAL - I - END TERMINATIONS							
J	FIRE DETECTIONS AND ALARM SYSTEM (DIGITAL ADDRESSABLE) -						

	GENERAL : Supply, installation, connection, testing and commissioning of wiring for fire detection and Alarm system as per IS:2189 specification and drawings. (BOSCH MAKE = SUITABLE FOR EXISTING ALREADY INSTALLED BOSCH FIRE DETECTION SYSTEM)							
17	Providing and fixing PVC insulated copper conductor ISI marked armoured cable (IS:1554) 2 x 1.5 sq mm complete with necessary saddling and clamping complete - as actual quantity measured.	mtr.						
18	Supply , installation, testing and commissioning of Analog Addressable Intelligent optical detector with decentralized intelligence, automatic function self test, soft addressable Photo type with inbuilt fault isolator, complete with base as required for using below False Ceiling	nos.						
19	Supply , installation, testing and commissioning of Analog Addressable Intelligent Automatic adaptable to varying environment conditions, multi sensor detector with two inbuilt optical smoke sensors with backward & forward scattering light angles as well as additional heat detector sensor with decentralized intelligence, soft addressable Photo thermal type with inbuilt fault isolator complete with base suitable surface mounted as required for using above False Ceiling.	nos.						
20	Supply , installation, testing and commissioning of Analog Addressable Intelligent Automatic adaptable to varying environment conditions, Heat Detector with fixed & rate of rise temperature function with decentralized intelligence, soft addressable type, with inbuilt fault isolator complete with base as required.	nos.						
21	Supply , installation, testing and commissioning of Addressable Manual Call Point soft addressable type with inbuilt fault isolator complete as required.	no.						

22	Supply, installation, testing and commissioning of Addressable Hooter/Strobe (sound output of minimum 101 db) cum strobe (strength of light 10 cd) complete as required.	no.						
23	Supply , installation, testing and commissioning of Microprocessor based 1 loop panel fire alarm control panel fully networkable with each loop capable of taking a minimum 120 addresses, 8 line x 40 character alpha-numeric liquid crystal display . The panel shall be soft addressable type & capable of taking loop length minimum 3.0 km . The panel shall be able to give pin point location of all fire/fault conditions. The panel shall have in built rectifier, Loop cards, LCD unit to indicate Fire/Fault Signal with address and analog output, integral SMF lead acid batteries with sealed cells of 24 V capable of running for a minimum of 24 hours with integral battery charger complete as required and as per specification.	no.						
TOTAL - J - FIRE DETECTION AND ALARM SYSTEM								
TOTAL (Excluding Taxes)								
Discount (%)								
Discount (Amount in Rs.)								
GST/IGST Rate (%)								
Tax Amount								
Grand Total (With Taxes)								

SCHEDULE OF QUANTITIES AND ESTIMATE FOR ELECTRIFICATION WORKS - IIM SAMBALPUR. AUDITORIUM

Sr. No No.	Description	Unit	Quantity	Supply		Installation		Total Amount
				Rate (Rs.)	Amount (Rs.)	Rate (Rs.)	Amount (Rs.)	
A	MAIN PANELS							
1	Supply , installation, testing and commissioning of Main as per drawing and specifications. of Panel should be dust and vermin proof (IP-52) . Panel shall be fabricated from 14 /16 SWG CRCA sheet metal duly painted with seven tank process of approved paints. Panel consisting of following.....							
1a	MAIN PANELS - Incoming-1 : 630 A FP MCCB, 50kA Microprocessor based - 630 A, 440V, TPN, Alu. Busbars. - 40 x 6 mm Alu. Earth Busbars - Load managers with all accessories. - indicating lamps - 630 A FP Change Over switch <i>Outgoing Feeders : (Note : All MCCBs shall be Ics = 100 % Icu)</i> - 80 A TP MCCB, T/M, 25 kA, (4 nos) - 63/40 A FP MCB, 10 kA (13 no)	no						
	TOTAL- A - MAIN PANELS							
B	LIGHTING, POWER & COMPUTER POWER SUPPLY DISTRIBUTION BOARDS <i>(QUANTITIES TO BE RE-CONFIRMED BEFORE ORDERING)</i>							

2	Supply , installing, testing and commissioning of metallic double door type distribution board with following MCBs / ELMCBs / RCCBs / etc. with all necessary connections, remaining blank area shall be covered with blanking (dummy) plates etc. complete. (All DBs shall be installed concealed						
2a	4-WAY TPN DB : (ACDBs) (light Dinning and kitchen) Incoming : 63 A FP MCB Outgoing : 6 to 32 A SP MCB (12 nos)	nos.	2				
2b	4-WAY VTPN DB : (ACDBs) Incoming : 80 A TP MCCB Outgoing : 6 to 32 A SP MCB (12 nos)	nos.					
TOTAL - B - FOR DISTRIBUTION BOARDS							
D	INTERNAL WIRING - NOTE : ALL JARIES OR CHASES IN WALLS / COLUMNS / SLABS SHALL BE MADE BY MACHINE AND THE ELECTRICAL CONTRACTOR FOR INSTALLATION OF CASING AND CABLING/ S.B. / BOXES ETC. THE FILLING OF THE SAME IS IN THE SCOPE OF THE ELECTRICAL CONTRACTOR INCLUDING ALL NECESSARY MATERIAL AND LABOUR COMPLETE. THE RATE SHOULD BE QUOTED ACCORDINGLY. THE SCOPE OF CONTRACTOR INCLUDES PACKING / UNPACKING / SHIFTING / LOADING / UN-LOADING OF ALL CLIENT SUPPLIED MATERIALS.						

5	<p>Providing and making point wiring in surface / concealed in slab, walls, furnitures and for above false ceiling, or on ceiling, on beams shall be fixed with saddles and spacers etc., with casing and cabling taken in/on slab with 20 mm dia., 2mm thcik PVC rigid FIA approved ISI marked casing and cabling with bends, tees, elbows, junction boxes etc., with 650 / 1100 V grade ISI marked PVC insulated copper conductor wires i.e. 2 Nos. of 1.5 sq.mm and 1 no of 1.0 sq.mm multi-stranded flexible type single PVC insulated copper conductor wires all accessories screws and washers, modular series switches with all accessories of M.K. India make wraparound / MDS Legrand / ABB make such as 5 amp, 5 pin, socket, one or two way switch all mounted on modular cover plate with flush company made metal box and outlet box of 16 SWG GI with its accessories, angle holder / batten holder / ceiling rose, 3 mm thick hylam cover plates for outlet box etc., electrical point to be complete in all respect to the satisfaction of E.I.C.</p>							
	a) One 5A switch controlling primary light point	pts.	18					
	b) Secondary light point looped from nearest primary light point	pts.	8					
	c) Two way controlling light point	pts.						
	d) One 5A switch controlling one fan point with fan hook using double fastner fan hook and step control humfree Fan Regulator complete	pts						
	e) 5A socket outlet (5 pin) with 5A SP switch (on common board).	pts	4					
	f) 5A socket outlet (5 pin) with 5A SP switch (as an independent point) .	pts	10					

6	Supply and installation of 5/15A (6 pin) switch socket of M.K. India make Wraparound series / MDS Legrand / ABB make with flush metal box of company made with modular cover plate complete duly concealed with all necessary terminations complete to the satisfaction of E.I.C. (Without wiring)	nos	15					
7	Supply and installing 32 A, 230V, Industrial polycarbonate socket outlet with top all enclosed in pre-fabricated powder coated box company made complete duly concealed with all necessary terminations complete to the satisfaction of EIC (For AC). (Without wiring)	nos	12					
8	Supply and installation of 32A DP switch of M.K. India make Wraparound series / MDS Legrand / LK pace English model make with flush metal box of company made with modular cover plate complete duly concealed with all necessary terminations complete to the satisfaction of E.I.C. (for AC On/Off)	nos	12					
9	Providing , installing, testing, commissioning of mains / sub-mains of following sizes PVC insulated copper conductor multi-stranded flexible type wires with 20 / 25mm dia., 1.5 mm thick FIA approved ISI marked PVC casing and cabling with all accessories complete with following wires.							
	a) 2 nos. of 2.5 sq mm wires and 1 no. of 1.0 sq mm PVC Insulated copper conductor wires (DB TO SB & SB TO SB).	rmt	45					
	b) 2 nos. of 4.0 sq mm wires and 1 no. of 2.5 sq mm PVC Insulated copper conductor wires (15 A / Split AC power plugs).	rmt	220					
	c) 4 nos. of 4.0 sq mm wires and 1 no. of 2.5 sq mm PVC Insulated copper conductor wires	rmt						
	d) 4 nos. of 6.0 sq mm wires and 1 no. of 4.0 sq mm PVC Insulated copper conductor wires		30					

	e) 4 nos. of 16.0 sq mm wires and 1 no. of 10.0 sq mm PVC Insulated copper conductor wires In PVC Trunking minimum 50 x 50 mm insize	rmt					
10	Providng , installing, testing, commissioning of mains / sub-mains of 2 x 2.5 sq.mm and 1 x 1.0 sq.mm PVC insulated copper conductor multi-stranded flexible type FRLS wires in existing casing and cabling / trunking / raceways. Including ferrule numbering to identify the wires in each piece of wire at both the ends etc. complete to the satisfaction of EIC (looping from existing JB with wiring done for 5 A sockets)	rmt	65				
TOTAL - D - FOR INTERNAL WIRING							
E	LIGHTING FIXTURES						
11	Supply, installation , testing and commissioning of following Light fixtures etc. Including supply and installation of flexible cords, ball sockets, down rods, hardwares etc. Excluding supply and fabrication of structural steel supports for industrial fixtures in plant bldgs. but inclusive of erection of fixtures with all necessary structural steel supports and to be welded or nut-bolting with all necessary fabrication and drilling etc.complete.						
11a	10 W LED light fixture with control driver duly mounted on wall / ceiling etc. complete (LAFIT MAKE CAT. No.ZEUS, LFWL 758)	nos.					
11b	30 W LED light fixture with control driver duly mounted on wall / ceiling etc. complete (LAFIT MAKE CAT. No.COASTA LFCL900A UP DOWN)	nos.					
11c	2000 lumens, 20 W LED batten light fixture with control driver duly mounted on wall / ceiling etc. complete (PHILIPS MAKE CAT. No.BN 550 WLED 6)	nos.	18				

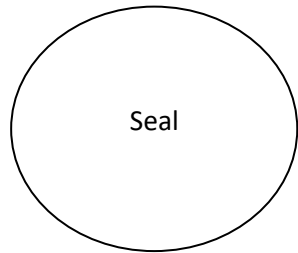
11d	Recessed false ceiling mounted LED FullGlow 600 x 600 mm panel fixture with necessary assembly lamp, drivers, diffusers etc complete (CROMPTON MAKE LED34S - 6500 3400 LUMEN)	nos.						
11e	Surface ceiling mounted 1200 Lumens LED downlight fixture with necessary assembly lamp, drivers, diffuser etc complete (PHILIPS MAKE CAT NO. DN193B LED12S -1200 LUMEN) (ONLY INSTALLATION)	nos.	18					
TOTAL - E - LIGHTING FIXTURES								
F	FANS / EXHAUST FANS							
12	Supply , testing and commissioning of following Fans / Exhaust fans / Wall fans etc. Including supply and installation of flexible cords, hardwares etc. Excluding supply and fabrication of structural steel supports for industrial fixtures in plant bldgs. but inclusive of erection of fans with all necessary structural steel supports and to be welded or nut-bolting with all necessary fabrication and drilling etc.complete. (Structural steel supports shall measure and paid extra as per the item in this tender) (NOTE : QUANTITIES FOR FANS / EXHAUST FANS / AIRCULATING FANS TO BE RE-CONFIRMED BEFORE ORDERING)							
12a	Ceiling Fan with condensor A.C. 230V. 50 Cys. 1200 mm sweep complete having 3 blades alluminium body and blade sets without regulator, canopy with necessary down rod upto 1000 mm long erected with 3 core 1.5 qs.mm flexible cable with earthing. (Crompton make High Speed / Bajaj) ONLY INSTALLATION	nos.						
12b	300 mm dia. Exhaust fan heavy duty with louvers with all required hardwares complete (Crompton / Bajaj)	nos.	4					
TOTAL - F - FANS / EXHAUST FANS								

H 15 15a	POWER & CONTROL CABLES : Supply , laying, installation, testing and commissioning of armoured XLPE insulated, aluminium copper conductor of the following sizes in existing cable trench / pull - through pipes / on cable tray including supply and fixing aluminium tag numbers at every two meter etc, complete to the satisfaction of EIC (Verify the actual length as per the cable schedule and preparing the drum length before procurement) 3.5 x 185 sq.mm Alu. A2XFY cable	mts						
TOTAL -H - POWER & CONTROL CABLES :								
I 16 16a	END TERMINATIONS End termination of following PVC / XLPE insulated armoured cables including supply and fixing of brass heavy duty double compression type cable glands with PVC hoods and crimping type long barrel heavy duty copper / aluminium lugs (as per conductor of cable) suitable for terminations of armoured cables, including making connection / terminations of all leads of cables, including drilling and tapping of equipment for cable entries as required and including all labour and materials complete to the satisfaction of E.I.C	nos						
TOTAL - I - END TERMINATIONS								
J	FIRE DETECTIONS AND ALARM SYSTEM (DIGITAL ADDREASIBLE) -							

	GENERAL : Supply, installation, connection, testing and commissioning of wiring for fire detection and Alarm system as per IS:2189 specification and drawings. (BOSCH MAKE = SUITABLE FOR EXISTING ALREADY INSTALLED BOSCH FIRE DETECTION SYSTEM)							
17	Providing and fixing PVC insulated copper conductor ISI marked armoured cable (IS:1554) 2 x 1.5 sq mm complete with necessary saddling and clamping complete - as actual quantity measured.	mtr.						
18	Supply , installation, testing and commissioning of Analog Addressable Intelligent optical detector with decentralized intelligence, automatic function self test, soft addressable Photo type with inbuilt fault isolator, complete with base as required for using below False Ceiling	nos.						
19	Supply , installation, testing and commissioning of Analog Addressable Intelligent Automatic adaptable to varying environment conditions, multi sensor detector with two inbuilt optical smoke sensors with backward & forward scattering light angles as well as additional heat detector sensor with decentralized intelligence, soft addressable Photo thermal type with inbuilt fault isolator complete with base suitable surface mounted as required for using above False Ceiling.	nos.						
20	Supply , installation, testing and commissioning of Analog Addressable Intelligent Automatic adaptable to varying environment conditions, Heat Detector with fixed & rate of rise temperature function with decentralized intelligence, soft addressable type, with inbuilt fault isolator complete with base as required.	nos.						
21	Supply , installation, testing and commissioning of Addressable Manual Call Point soft addressable type with inbuilt fault isolator complete as required.	no.						

22	Supply, installation, testing and commissioning of Addressable Hooter/Strobe (sound output of minimum 101 db) cum strobe (strength of light 10 cd) complete as required.	no.						
23	Supply , installation, testing and commissioning of Microprocessor based 1 loop panel fire alarm control panel fully networkable with each loop capable of taking a minimum 120 addresses, 8 line x 40 character alpha-numeric liquid crystal display . The panel shall be soft addressable type & capable of taking loop length minimum 3.0 km . The panel shall be able to give pin point location of all fire/fault conditions. The panel shall have in built rectifier, Loop cards, LCD unit to indicate Fire/Fault Signal with address and analog output, integral SMF lead acid batteries with sealed cells of 24 V capable of running for a minimum of 24 hours with integral battery charger complete as required and as per specification.	no.						
TOTAL - J - FIRE DETECTION AND ALARM SYSTEM								
	TOTAL (Excluding Taxes)							
	Discount (%)							
	Discount (Amount in Rs.)							
	GST/IGST Rate (%)							
	Tax Amount							
	Grand Total (With Taxes)							

Date:



Place:

Authorized Signatory

Name:

Designation:

Contact No.:

ANNEXURE –IX

MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER

Date:

To
The Accounts Officer,
Indian Institute of Management, Sambalpur
Sambalpur41

Sub: Authorization for release of payment / dues from Indian Institute of Management, Sambalpur through Electronic Fund Transfer/RTGS Transfer.

1. Name of the Institute:
2. Address of the Party:

City:..... Pin Code:

E-Mail ID: Mob No:

Permanent Account Number:

3. Particulars of Bank

Bank Name		Branch Name	
Branch Place		Branch City	
PIN Code		Branch Code	
MICR No			
(9 Digit number appearing on the MICR Bank of the Cheque supplied by the Bank, Please attach a Xerox copy of a cheque of your bank for ensuring accuracy of the bank name , branch name and code number)			
IFS Code:(11 digit alpha numeric code)			
Account Type	Savings	Current	Cash Credit
Account Number:			

DECLARATION

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information I shall not hold officer, Indian Institute of Management Sambalpur responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS Transfer.

Place:

Date:

Signature & Seal of the Authorized Signatory of the Party

Certified that particulars furnished above are correct as per our records

Stamp:

Date: _____

Signature of the Authorized Person

N.B: Please fill in the information in CAPITAL LETTERS, computer typed; please TICK wherever it is applicable

