



ALL INDIA INSTITUTE OF MEDICAL SCIENCE, BHUBANESWAR, ODISHA

NOTICE INVITING QUOTATION

FOR

**Name of the work : Supply, Installation, Testing and
Commissioning of Electrical wiring and LED light Items for
Biochemistry Lab & Microbiology lab (Central lab) at Hospital
Complex of AIIMS, Bhubaneswar.**

NIQ No	:	AIIMS/BBSR/ENGG/ELEC/NIQ-03/2022
Estimated Cost	:	Rs. 1,48,801.00/-
EMD	:	Rs. 3000/-
Issue Date	:	22.06.2022
Last Date & time of Submission	:	29.06.2022 at 15.00 hours
Date & Time of Opening	:	29.06.2022 at 15.30 hours
Duration of Work	:	15 days

**Executive Engineer, Electrical
AIIMS, Bhubaneswar**



All India Institute of Medical Sciences
Ministry of Health & Family Welfare, Government of India
Bhubaneswar (Odisha) - 751 019

AIIMS/BBSR/ENGG/ELEC/NIQ-03/2022

Date: 22/06/2022

NOTICE INVITING QUOTATION

NAME OF THE WORK: Supply, Installation, Testing and Commissioning of Electrical wiring and LED light Items for Biochemistry Lab & Microbiology lab (Central lab) at Hospital Complex of AIIMS, Bhubaneswar.

Sealed quotations are invited from the interested electrical contractors having valid licences (MV or above), who had never been black listed /debarred by any of the Govt. Department /Govt. Organization /Central PSUs /state PSUs and who will submit an undertaking at “Annexure-A” attached at page No 10 and should have completed similar nature of work in Central Govt/State Govt/Autonomous Body during last three years. A list of completed work be enclosed with filled quotations supported with performance/completion certificate. Contractor should have valid electrical (MV or above) license and self-attested copy of the same must be submitted with the quotations.

Estimated Cost work is Rs 1,48,801.00/-

- **Original EMD (Earnest money Deposit) of value ₹ 3,000.00/- (Rupees Three Thousand only) (2% of estimated value) Shall payable to AIIMS Bhubaneswar through DD(Demand Draft) /Bankers Cheque (BC) along with NIQ which will be refunded back as per general condition of contract of CPWD Works Manual 2019.**

Document to be submitted with NIQ as Eligible Criteria:

- (a) Demand Draft of any scheduled Bank against EMD in favour of AIIMS, Bhubaneswar.
- (c) Certificates of Work Experience & Completion Certificate of Similar Work from Client not below the Rank of Executive Engineer or equivalent, as mentioned in Ser No - 1, Page No. - 3 refer under Eligibility Criteria.
- (d) Certificate of Registration for GST and acknowledgement of up to date filed return if required.
- (e) Copy of PAN Card.
- (f) Copies of Balance Sheets
- (g) Copies of valid **Electrical License(MV or above)**
- (h) Copies of ESI Registration.
- (i) Copies of EPF Registration.
- (j) The Bidder should have their Registered Office/Branch in Bhubaneswar. If not, an Office should be opened in Bhubaneswar within 7 (Seven) Days of the award of Work. Details of Address Proof of Office located at Bhubaneswar should be given.
- (k) Declarations to be given by the Tenderers (as per Page 10.).
- (l) **Each page of NIQ-(E) documents should be duly signed with seal.**

The quotation duly filled up with schedule of quantities along with all necessary documents, in a sealed envelope super scribing the name of work shall be submitted to the office of the Executive Engineer(Electrical), 3rd floor, Academic building, AIIMS, Bhubaneswar, At-Sijua, Patrapada, Pin-751019 up to 3:00 PM on **29.06.2022** and the same will be opened at **3:30 PM** on the same day at office of the Executive Engineer(Electrical), 3rd floor, Academic Building, AIIMS Bhubaneswar in presence of Quotationers/Contractors who may wish to be present at the time of opening. The duration of submission of NIQ will be **07 (Two)Days** from the date of publication of NIQ. If the last date of submission is a holiday then the last date will be considered as the next working day. However, the opening time will remain Unchanged.

TERMS & CONDITIONS

1. Intending Quotationers/Contractors is eligible to submit the quotation provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works. The similar work means, **“Supply, Installation, Testing and Commissioning of Electrical items, internal and external electrical wiring/cabling and Illumination Work or Supply of Electrical items and accessories.”**
 - (a) Three (03) similar completed works each of value **not less than 40%**(i.e. for **Rs 59,520.00/-**) of estimated cost put to quotation or Two (02) similar completed works each of value **not less than 60%** (i.e. for **Rs 89,281.00/-**) of estimated cost put to quotation or one (01) similar completed work of value **not less than 80%** (i.e. for **Rs 1,19,041.00/-**) of estimated cost put to quotation in **last 07 (Seven) Years ending 31st March 2022.**
2. Works should be executed as per CPWD specifications.
3. Water charge @1% will be deducted from the bill (If use of Water from AIIMS, Bhubaneswar)
4. Labour CESS @ 01% will be deducted from the Bill.
5. All T&P required for the work shall be arranged by the contractor at his own cost.
6. The rates are inclusive of all lead & lifts etc.
7. All taxes income Tax, Work contract Tax (except service tax) as applicable will be deducted as per Govt. Rule from the contractor bill.
8. **PBG (Performance Bank Guarantee:** The contractor will have to deposit **3% of lowest quoted total value (In case of lowest quotationer) in the form of BG** made in any nationalized bank and to be deposited before receiving Work order. The same will be refunded back as per CPWD rule.
9. **2.5% Security Deposit** will be deducted from the gross bill amount & will be released after the defect liability period of six months which will be reckoned from the date of successful completion of the work. In case any defect is found in the said work within the defect liability period, the same shall be rectified by the contractor immediately at his own cost.
10. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids, the means of access to the site and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequence to any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost, all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of bid by a Quotationers/Contractors implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions.

11. Contractor will be fully responsible to labour payments, accident, mis-happening, damages & other labour welfare & safety measures. AIIMS, Bhubaneswar will not be responsible in any case.
12. **Time allowed for completion of work is 15 days from the date of issue of Work Order.**
13. The above shown quantities are tentative & may vary as per site condition. This will be decided by engineer in charge but the variation if goes beyond estimated quantity then that will be paid as per the quoted price.
14. **Payment will be done as per actual measurement at site after completion of work and verification of bill.**
15. The quoted rates must be included of all Taxes. Service Tax will not be payable.
16. In the event of any of the documents found fabricated/forged/tampered/alterd/manipulated in the NIQ, then he would be debarred for participating in AIIMS, Bhubaneswar in future.
17. The BOQ must be filled up with quoted rates. No over writing/correction will be entertained and in case of so the quotation will be rejected.
18. The All India Institute of Medical Sciences, Bhubaneswar reserves the right to accept or reject all/ any part of the quotation without assigning any reason there-of.
19. The Quotation will be considered subject to fulfilment of eligible criteria. Incomplete quotation with reference to NIQ (Notice Inviting Quotation) will be rejected.
20. The work shall be carried out as per the General specification of electrical cable work CPWD.
21. Electrical Charges as per actual meter reading shall be deducted from the bill. If connection is taken directly without installation of meter with prior permission from the executive engineer (Electrical) then as per the usage shall be deducted from the gross amount as suggested by executive engineering (Elect).
22. All the work shall be completed within 15 days from the date of issue of the work order by the institute. All the aspects of safe installation shall be the exclusive responsibility of the contractor. If the contractor fails to complete the work on or before the stipulated date, then penalty at the rate of 2% per month of delay to be computed on per day basis of the total order value shall be levied subject to maximum of 10% of the total order value.
23. **Goods and Services Tax (GST).**
 - (a) **GENERAL REMARKS ON TAXES & DUTIES:** In view of GST Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax Entry Tax and other indirect taxes and duties have been submerged in GST. Accordingly, reference of Excise Duty, service Tax, VAT, Sales Tax, Entry or any other form of indirect Tax except of GST mentioned in the bidding document shall be ignored.
 - (b) Bidders are required to submit copy of the GST Registration certificated while submitting the bids wherever GST (CGST & SGST/UTGST or IGST) is applicable.
 - (c) "GST shall mean Goods and services Tax charged on the supply of material(s) and services. The term 'GST' shall be construed to include the integrated Goods and Services Tax (Hereinafter referred to as "IGST") or central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and services Tax (Hereafter referred to as "SGST") or union Territory Goods and services Tax (hereinafter referred to as "UTGST").
 - (d) Quoted price/rate(s) should be inclusive of all taxes and duties, except GST (i.e. IGST or CGST and SGST /UTGST applicable in case of interstate supply or intra state supply respectively and cess on GST if applicable) on the final service. However, GST rate (including cess) to be provided in the respective places in the price Bid. Please note that the responsibility of payment of GST (CGST & SGST or IGST or UTGST) lies with the supplier of Goods/services (service provider) only. Supplier of Goods/Service (Service provider) providing taxable service shall issue an invoice/Bill, as the case

may be as per rules/regulation of GST. Further, returns and details required to be filled under GST laws & rules should be timely filed by supplier of Goods /services (Service provider) with requisite details.

24. The bid submitted shall become invalid if:

- (i) The bidder is found ineligible.**
- (ii) The bidder does not submit documents as mentioned in page-2**
- (iii) Bidder not submitting the original EMD.**

25. Vendor shall submit following documents along with bill after execution of work:

- i. Work Completion declaration.
- ii. Colour Photos of Executed work.
- iii. No-Objection Certificate (NOC) regarding work
- iv. GST return up to date Voucher.
- v. Bank Account Details
- vi. 36(i) Certificate for engagement of Technical staff

**Executive Engineer, Electrical
AIIMS, Bhubaneswar**

TECHNICAL SPECIFICATION

WIRING

1. GENERAL

Technical specifications in this section cover the Internal Wiring Installations comprising of :
Wiring for convenience socket outlet in surface/concealed conduit.

2. STANDARDS AND CODES.

Latest upto date Indian Standard (IS) and Code of practice will apply to the equipment and the work covered by the scope of this contract. In addition, the relevant clauses of the Indian Electricity Act 1910 and Indian Electricity Rules 1956 as amended upto date shall also apply. Whereever, appropriate Indian Standards are not available, relevant British and/or IEC Standard shall be applicable.

3.0 LT CABLES

3.1 GENERAL

LT Cables shall be supplied, inspected, laid, tested and commissioned in accordance with specifications, relevant Indian Standards Specifications, and cable manufacturer's instructions. The cable shall be delivered at site in original drums with manufacturer's name clearly written on the drums. The recommendations of the cable manufacturer with regard to jointing and sealing be strictly followed.

3.2 MATERIAL

The L.T. Cables shall be XLPE insulated FRLS aluminium conductor armoured cable, PVC inner sheathed, overall PVC sheathed in conformity to latest technical specification and as per latest ISCode.

3.3 LT CABLE LAYING

3.3.1. The cable shall be laid directly in cable tray clamped with 40mm x 3mm MS flat clamp, in HDPE pipe below 750 mm from ground level and in cable trench. The cable laying work will be done as per CPWD specification of electrical works.

3.3.2. Underground Cable Laying procedure

A trench of about 1.5 meters deep and 45 cm wide is to be dug as per required. Then the trench is to be covered with a 10 cm thick layer of fine sand. The cable is to be laid over the sand bed. The sand bed protects the cable from the moisture from the ground. Then the laid cable shall again be covered with a layer of sand of about 10 cm thick. When multiple cables are to be laid in the same trench, a horizontal or vertical spacing of about 30 cm is to be provided to reduce the effect of mutual heating. Spacing between the cables also ensures a fault occurring on one cable does not damage the adjacent cable. The trench is then to be covered with bricks and soil to protect the cable from mechanical injury.

3.4 INSPECTION.

All cables shall be inspected at site and checked for any damage during transit.

3.5 JOINTS IN CABLES

The Contractor shall take care to see that the cables received at site are apportioned to various locations in such a manner as to ensure maximum utilization and avoiding of cable joints. This apportioning shall be got approved from Engineer-In-Charge before the cables are cut to lengths.

4.0 **TESTING OF CABLES**

4.1 Prior to installation of cables, following tests shall be carried out. Insulation test between phases, phase & neutral, phase & earth for each length of cable.

- a) **Before laying**
- b) **After laying**
- c) **After jointing**

4.2 On completion of cable laying work, the following tests shall be conducted in the presence of the Engineer-in-Charge.

- a) **Insulation Resistance Test (Sectional and overall).**
- b) **Continuity Resistance Test.**
- c) **Earth Continuity Test.**

4.3 All tests shall be carried out in accordance with relevant Indian Standard code of practice and Indian Electricity Rules. The contractor shall provide necessary instruments, equipment's and labour for conducting the above tests & shall bear all expenses of conducting such tests without any extra charge.

5. **CONDUITS.**

5.1. **MS CONDUITS.** Wiring shall be carried out in surface/concealed conduits. The MS conduits conform to Latest and shall be ISI embossed. The conduits shall be heavy gauge (minimum 2 mm wall Thickness) and the interiors of the conduits shall be free from all obstructions. All joints in conduits shall be tightening properly with socket. Damage conduits/fittings shall not be used. Cut ends of conduits shall not have sharp edges.

5.2. **BENDS.** As far as possible, the conduit system shall be so laid out that it shall obviate use of tees, elbows and sharp bends. No length of conduit shall have more than the equivalent of two quarter bends from inlet to outlet.

5.3 **CONDUIT ACCESSORIES**

5.3.1 **STANDARD ACCESSORIES.** The conduit wiring system shall be completed in all respects, including their accessories. Bends, couplers, Dip junction Boxes etc. shall be solid or inspection type as required, in surface type or works. The accessories shall conform in all respects to the relevant IS. Samples shall be got approved by Executive Engineer (Electrical) before use.

5.3.2. **FABRICATED ACCESSORIES.** Wherever required, outlet boxes of required sizes shall be fabricated from 1.6 mm thick MS sheets which shall be fabricated from minimum 3 mm thick sheets. The outlet boxes shall be of approved quality, finish and manufacture. Suitable means of fixing connectors etc., if required, shall be provided in the boxes. The boxes shall be protected from rust by zinc phosphate primer process. Boxes shall be finished with minimum 2 coats of enamel paint of approved colour. A screwed brass stud shall be provided in all boxes as earthing terminal.

6. **WIRES.** Wiring shall be carried out with FRLS insulated 660/1100-volt grade unsheathed single core wires with electrolytic annealed standard copper (unless otherwise stated) conductors conforming to latest IS Code. All wire rolls shall be ISI marked. All wires shall bear manufacturer's

label and shall be brought to site in new and original packages. Manufacturer's certificate, certifying that wires brought to site are of their manufacture shall be furnished as required.

7. LAYING OF CONDUITS

- Conduits shall be laid on surface/concealed on walls and ceilings as required.
- Same rate shall apply for surface/concealed Conduiting in this contract.
- Stranded copper conductor insulated wire of size as per schedule of quantities shall be provided in entire conducting for loop earthing.

8. SURFACE/CONCEALED CONDUITING

Wherever so desired, conduit shall be laid in surface over finished concrete and/or plastered brickwork. Suitable GI/MS Hook of approved make and finish shall be fixed to the finished Structural surface along the conduit route at intervals not exceeding 600 mm. Holes in concrete or brick work for fixing the saddles shall be made neatly by electric drills using masonry drill bits. Conduits shall be fixed on the saddles by means of good quality heavy duty MS clamps screwed to the saddles by counter sunk screws. Neat appearance and good workmanship of surface conduiting work is of particular importance. The entire conduit work shall be in absolute line and plumb. The MS conduit should be painted with primer initially and then with two coats of approved make colour before laying the conduit.

8.1 FIXING OF CONDUIT FITTINGS AND ACCESSORIES

For surface/concealed Conduiting work, the fittings and accessories shall be completely embedded on finished wall/ceiling surface in a workman like manner. Loop earthing wire shall be connected to a screwed earth stud inside outlet boxes to make an effective contact with the metal body.

8.2 CLEANING OF CONDUIT RUNS

The entire conduit system including outlets and boxes shall be thoroughly cleaned after completion of erection and before drawing in of cables.

8.3 PROTECTION AGAINST DAMPNES.

All outlets in conduit system shall be properly drain and ventilated to minimize chances of condensation/sweating.

8.4 EXPANSION JOINTS.

When crossing through expansion joints in buildings, the conduit sections across the joint shall be through approved quality heavy duty metal flexible conduits of the same size as the rigid conduit. The expansion joint crossing shall be done as approved by Engineer-in-Charge.

8.5 LOOP EARTHING.

Loop earthing shall be provided by means of insulated stranded copper conductor wires of sizes as per Schedule of Quantity laid alongwith wiring inside conduits for all wiring outlets. Earthing terminals shall be provided inside all switch boxes, outlet boxes and draw boxes etc.

9. LAYING AND DRAWING OF WIRES.

9.1. BUNCHING OF WIRES

Wires carrying current shall be so bunched in conduits that the outgoing and return wires are drawn into the same conduit. Wires originating from two different phases shall not be run in the same conduit.

9.2 DRAWING OF WIRES.

The drawing of wires shall be done with due regard to the following precautions: No wire shall be drawn into any conduit, until all work of any nature, that may cause injury to wire is completed. Burrs in cut conduits shall be smoothen before erection of conduits. Care shall

be taken in pulling the wires so that no damage occurs to the insulation of the wire. Approved type bushes shall be provided at conduit terminations. Before the wires are drawn into the conduits, conduits shall be thoroughly cleaned of moisture, dust, dirt or any other obstruction by forcing compressed air through the conduits if necessary. While drawing insulated wires into the conduits, care shall be taken to avoid scratches and kinks which cause breakage of conductors. There shall be no sharp bends. The Contractor shall, after wiring is completed, provide a blank metal/sunmica plate on all switch/outlet/junction boxes for security and to ensure that wires are not stolen till switches/ outlets etc. are fixed at no extra cost the contractor shall be responsible to ensure that wires and loop earthing conductors are not broken and stolen. In the event of the wire been partly/fully stolen, the contractor shall replace the entire wiring along with loop earthing at no extra cost. No joint of any nature whatsoever shall be permitted in wiring and loop earthing.

9.3 TERMINATION/JOINTING OF WIRES.

Sub-circuit wiring shall be carried out in looping system. Joints shall be made only at distribution board terminals, switches for socket outlets. No joints shall be made inside conduits or junction/draw/inspection boxes. Switches controlling socket outlets shall be connected in the phase wire of the final sub circuit only. Switches controlling socket outlets shall be connected in the neutral wire. Wiring conductors shall be continuous from outlet to outlet. Joints where unavoidable, due to any special reason shall be made by approved connectors. Specific prior permission from Engineer-in-Charge in writing shall be obtained before making such joint. Insulation shall be shaved off for a length of 15 mm at the end of wire like sharpening of a pencil and it shall not be removed by cutting it square or wringing. Strands of wires shall not be cut for connecting terminals. All strands of wires shall be twisted round at the end before connection. Conductors having nominal cross-sectional area exceeding 1.5 Sq. mm shall always be provided with crimping sockets. Tinning of the strands shall be done wherever crimping sockets are not available as per instructions of the Executive Engineer (Electrical). All wiring shall be labelled with appropriate plastic ferrules for identification. At all bolted terminals, brass flat washer of large area and approved steel spring washers shall be used. Brass nuts and bolts shall be used for all connections. The pressure applied to tighten terminal screws shall be just adequate, neither too less. Switches controlling socket outlets shall be connected to the phase wire of circuits only. Only certified valid license holder wiremen shall be employed to do wiring/jointing work.

9.4 LOAD BALANCING.

The contractor shall plan the load balancing of circuits in 3 phase installation and get the same approved by the Engineer-in-Charge before commencement of the work.

9.5 COLOUR CODE OF CONDUCTORS.

Colour code shall be maintained for the entire wiring installation – red, yellow, blue for three phases, blank for neutral and green for earth.

10. PERFORMANCE.

Should the above tests not comply with the limits and requirements as above the contractor shall rectify the faults until the required results are obtained. The contractor shall be responsible for providing the necessary instruments and subsidiary earths for carrying out the tests. The above tests are to be carried out by the contractor without any extra charge

11. MINIATURE CIRCUIT BREAKERS.

The MCB's shall be of the completely moulded design suitable for operation at 240/415 Volts 50 Hz system. The MCB's shall have a rupturing capacity of 10 KA at 0.5 pf. The MCB's shall have inverse time delayed thermal overload and instantaneous magnetic short circuit protection. The MCB time current characteristic shall coordinate with XLPE cable characteristic. Type test certificates from independent authorities shall be submitted with the tender.

12. APPROVED MAKE LIST

Sl. No.	Description of Items	Make
1	PVC conduit and accessories	AKG/ BEC or Approved make
2	Wires & Cables	Polycab/KEI/ Havells / RR Cable or Approved make
3	G.I Modular Box and Modular Base Plate, Cover plate	Legrand / Anchor/ Crabtree or Approved make
4	Switch, Socket	Legrand / Anchor/ Crabtree or Approved make
5	MCB & DB	Legrand / L&T/Havells/ Crabtree/Schneider or Approved make
6	LED Fittings	Havells/Crompton/Bajaj/Philips or approved make

Note: The make approval must be taken from Engineer-in-charge/ExecutiveEngineer(Electrical)/Assistant Engineer(Electrical) before installation.

Executive Engineer, Electrical
AIIMS, Bhubaneswar

All India Institute of Medical Sciences
Engineering Branch, Bhubaneswar (Odisha)-751019
www.aiimsbhubaneswar.edu.in

BIDDERS UNDERTAKING
(In Rs.100.00 Stamp paper)

NIQ for the work of:- : Supply, Installation, Testing and Commissioning of Electrical wiring and LED light Items for Biochemistry Lab & Microbiology lab (Central lab) at Hospital Complex of AIIMS, Bhubaneswar.

To be submitted :

Time and date of Opening of NIQ. : 29/06/2022 (15:30 Hours).

NOTICE INVITING QUOTATION (NIQ)

I/We.....(Name of quotationer with address)have been doing the works for the Govt. Departments/central PSUs/State PSUs for the lastyears and I/we certify that i/we have never been blacklisted/debarred by any of Govt. Department/central PSUs /State PSUs on account of any of the default on our part in execution of the projects/works. I/we also undertake to mention that if at any point of time it comes to notice of AIIMS, Bhubaneswar that the above undertaking given by me/Us is false then AIIMS, Bhubaneswar will be at liberty to forfeit security deposit and also to terminate the contract. In this case we/I will shall be debarred from participating in any NIQ at AIIMS, Bhubaneswar in future.

Dated:* _____

Signature of Contractor
with full Postal Address

Witness: *

Address: *

(* To be filled in by the Contractor.)

Occupation: *

Format for Agreement
(To be made on Rs 100/- Judicial Stamp Paper)

This Agreement is made at.....on this.....day of.....2022.

BETWEEN

Director, AIIMS, Bhubaneswar represented through Superintending Engineer, AIIMS, BHUBANESWAR,, (Hereinafter referred as the Address) **“Principal/Owner”**, which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

AND

..... (Name and Address of the Individual/firm/Company) through..... (Hereinafter referred to as the (Details of duly authorized signatory)

“Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

Preamble

WHEREAS, the Principal/Owner has floated the NIQ (NIQ No.)

(here in after refer read to as “NIQ”) and intends towards, under laid down organizational procedure, contract for: : **“ Supply, Installation, Testing and Commissioning of Electrical wiring and LED light Items for Biochemistry Lab & Microbiology lab (Central lab) at Hospital Complex of AIIMS, Bhubaneswar”**. hereinafter referred to as the **“Contract”**.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the Land, Rules & Regulations, Economic use of resources and of fairness/ transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose afore said both the parties have agreed to enter to this Agreement (hereinafter referred to as **“Pact”**), the terms and conditions of which shall also be read as integral part and parcel of the NIQ/Bid documents and Contract between the parties.

NOW, THEREFORE, inconsideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under: -

Article - 1: Commitment of the Principal/Owner.

1. The Principal/Owner commit itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the NIQ, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the NIQ process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the NIQ process, provide to all Bidder(s) the same information and will not provide to any Bidder(s)

confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the NIQ processor the Contract execution.

(c) The Principal/Owner shall endeavor to exclude from the NIQ process any person, whose conduct in the past has been of biased nature.

2. If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC)/Prevention of Corruption Act, 1988 (P C Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article - 2: Commitment of the Bidder(s)/Contractor(s)

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standard and makes, and report to the Government/Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the NIQ process and throughout the negotiation or award of a contract.

2. The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the NIQ process and during the Contract execution: -

(a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the NIQ process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind what so ever during the NIQ process or during the execution of the Contract.

(b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

(c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

(d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either, the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a NIQ but not both. Further, in cases where an agent participates in a NIQ on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel NIQ for the same item.

(e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to, or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a wilful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, there on to the use of efforts directly or indirectly, where potential or actual injury may be fall up on a person, his/her reputation or property to influence their participation in the NIQ process).

Article - 3: Consequences of Breach.

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:-

1. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article-2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the NIQ process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may before vigor for a limited period as decided by the Principal/Owner.**
2. **Forfeiture of Performance Bank Guarantee/EMD/Security Deposit :** If the Principal/Owner has disqualified the Bidder(s) from the NIQ process prior to the award of the Contract or terminated/determined the Contractor has accrued the right to terminate/determine the Contract according to Article-3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
3. **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article - 4: Previous Transgression.

1. The Bidder declares that no previous transgressions occurred in the last 05 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the NIQ process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the NIQ processor action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.

3. If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/ Owner may, at its own discretion, revoke the exclusion prematurely.

Article - 5: Equal Treatment of all Bidders/Contractors/Sub-contractors.

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
2. The Principal/Owner will enter in to Pacts on identical terms as this one with all Bidders and Contractors.
3. The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the NIQ or violate its provisions at any stage of the NIQ process, from the NIQ process.

Article - 6: Duration of the Pact.

1. This Pact begins when both the parties have legally sign edit. It expires for the Contractor/Vendor 12 months after the completion of work under the contractor till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.
2. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, AIIMS, Bhubaneswar.

Article - 7: Other Provisions.

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the **Bhubaneswar** of the Principal/Owner, who has floated the NIQ.
2. Changes and supplements need to be made in writing. Side agreements have not be unmade.
3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
4. should one or several provisions of this Pact turnout to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Agreement/Pact, any action taken by the Owner/Principal in accordance with this **Agreement/Pact or interpretation thereof shall not be subject to arbitration.**

Article - 8: LEGAL AND PRIOR RIGHTS.

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the

sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the NIQ/Contact documents with regard any of the provisions covered under this Pact.

IN WITNESS WHEREOF the parties have signed and executed this Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of Principal/Owner) (For and on behalf of Bidder/Contractor)

WITNESSES:

1. (Signature, Name and address)	1. (Signature, Name and address)
2. (Signature, Name and address)	2. (Signature, Name and address)

Place :

Dated :

FORM OF PERFORMANCE SECURITY (BANK GUARANTEE)

1. Inconsideration of the Director, AIIMS, Bhubaneswar (here in after called “the Government “) having offered to accept the terms and conditions of the proposed agreement between and (hereinafter called “ the said Contractor(s)”) for the work (hereinafter called “ the said agreement”) having agreed to production of a irrevocable Bank Guarantee for Rs. (Rupees only) as a security/ guarantee from the contractor(s) for compliance of his obligation in accordance with the terms and conditions in the said agreement.

I/We here in after referred to as Bank hereby (Indicate the name of the Bank) undertake to pay to the Government an amount not exceeding Rs. _____ (Rupees only) on demand by Government.

2. I/We do Here by under take to pay the (Indicate the name of the Bank) amount due and payable under this Guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.(Rupees _____ only).

3. I/We the said bank undertake to pay to the Government any money so demanded not withstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating there to, our liability under this present being absolute and unequivocal.

4. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

5. I/ We further agree that the guarantee here in contained (Indicate the name of Bank) shall remain in full force and effect during the period that would be taken for the performance of the said agreement and it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged ,or till Engineer-in- charge on behalf of the Government, certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.

6. I/We further agree with the Government that the (Indicate the name of Bank) Government shall have the fullest liberty without our consent ,and without affecting any manner our obligations here under, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forebear or force any of the terms and conditions relating to the said agreement & we shall not be relieved from our liability by reasons of any such variation or extension being granted to the said contractor (s) or for any for bearance, act of omission on that part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would , but for this provision, have effect of so relieving us.

7. The guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

8. We lastly undertaken to revoke this (Indicate the name of Bank) guarantee except with the previous consent of the Government in writing.

9. This Guarantee shall valid up to _____ unless extended on demand by Government, not withstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. _____ (Rupees _____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this Guarantee all our liabilities under the Guarantee shall stand discharged.

Dated the _____ day of _____ for _____

(Indicate the name of Bank)

PROFORMA OF SCHEDULES

SCHEDULE A'

(Reference to General conditions of Contract.)

Name of Work :- **Supply, Installation, Testing and Commissioning of Electrical wiring and LED light Items for Biochemistry Lab & Microbiology lab (Central lab) at Hospital Complex of AIIMS, Bhubaneswar.**

Estimated Cost of Work: - **Rs. 1,48,801.00/-**

(a)	Earnest Money	=	3,000.00/-
(b)	Performance Guarantee	=	<u>3% of Tendered Value</u>
(c)	Security Deposit	=	<u>2.5% of Tendered Value</u>

SCHEDULE 'B'

GENERAL RULES & DIRECTIONS:

Officer Inviting Tender:- Executive Engineer, (Elect.), Project Cell, AIIMS, Bhubaneswar

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined: -

In accordance with Clause -12.2 &12.3 = 50%

Definitions

See below

2 (v)	Engineer-in-Charge	Superintending Engineering AIIMS, Bhubaneswar
2(viii)	Accepting Authority	Director AIIMS, Bhubaneswar
2(x)	Percentage on cost of materials and labour to cover all over heads and profit	15%
2(xi)	Standard Schedule of Rates	Central Public Works Department Schedule of Rates - 2018 at Delhi with up to date correction slips
9(ii)	Standard AIIMS Contract Form	GCC for CPWD Works - 2014 as amended and up to and including correction slip
(i)	Time allowed for submission of Performance guarantee, Program Chart (Time & Progress) and applicable Labor Licenses, Registration with EPFO, ESIC & BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance	07 Days
(ii)	Maximum allowable Extension with late fee @ 0.1% of Performance guarantee amount beyond the period provided in (i) above.	01 to 15 days.

Clause – 2.

Authority for fixing compensation under Clause 2 : Director, AIIMS, Bhubaneswar

Clause – 2A.

Whether Clause 2A shall be applicable : **No**

Clause – 5.

Time allowed for execution of work : **FIFTEEN (15 Days)**(AFTER
ISSUE OF WORK ORDER).

Time of start of work: Within two days after issue of work order.

Number of days from the date of issue of letter of acceptance for reckoning date of start : **07 Days**

Authority to decide fair & reasonable extension of time for completion of work : **Superintending Engineer, AIIMS, Bhubaneswar**

Clause – 6A.

Whether Clause 6A shall be applicable : **No.**

Clause – 7A.

Whether clause 7A shall be applicable : **YES.**

Clause – 10B(ii).

Whether Clause 10B(ii) shall be applicable : **No.**

Clause – 10C. : **Not applicable.**

Clause – 10CA. : **Not applicable.**

Clause – 16.

Competent Authority for deciding reduced rates : **Superintending Engineer
AIIMS, Bhubaneswar**

Clause – 25.

Settlement of dispute & Arbitration : **Director, AIIMS, Bhubaneswar**

Clause – 36(i). Requirement of Technical Staff and rate of recovery incase of non-compliance shall be as per the following table: -

Value of Work	Ser. No	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience in years	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause36(i)	
							(Figures)	(Words)
For Agreement amount upto Rs150 Lakhs	(a)	Graduate Engineer OR Diploma Engineer	Electrical	Principal Technical representative	02yearsfor Graduate Engineer/ 05 years for Diploma Engineer	1	Rs 15000/-	Rs Fifteen Thousand only

Financial Bid (schedule of quantities)

NIQ NO.: AIIMS/BBSR/ENGG/ELEC/NIQ-03/2022

Name of the Work:- Supply, Installation, Testing and Commissioning of Electrical wiring and LED light Items for Biochemistry Lab & Microbiology lab (Central lab) at Hospital Complex of AIIMS, Bhubaneswar.

Item No.	Description of items	Unit	Qty.	Rate	Amount	Remarks
1.	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required					
(i)	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Mtr	60			
(ii)	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Mtr	30			
(iii)	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Mtr	20			
2.	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.					
(i)	12 Module (200mmX150mm)	Each	1			
3.	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
(i)	15/16 A switch	Each	4			
(ii)	6 pin 15/16 A socket outlet	Each	4			
4.	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	1			
5.	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB					

	distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required .					
(i)	8 way (4 + 24), Double door	Each	1			
6.	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
(i)	Single pole (16 Amp)	Each	12			
(ii)	Triple pole and neutral (32 Amp)	Each	2			
7.	Supplying and fixing 63 A rating, 240/415 V, 10 kA, "C" curve, TPN miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Each	2			
8.	Supply and installation of 2' X 2' 36watt Surface mount Led Fitting.	Each	30			
	Grand Total (Including GST)					

**Total in words (Rupees -----
----only)**

Note : The rates quoted should be inclusive of GST as applicable

Signature of Bidder with stamp