



भारतीय राष्ट्रीय महासागर सूचना सेवा केंद्र
पृथ्वी विज्ञान मंत्रालय, भारत सरकार
"ओशियन वैली", प्रगति नगर (बी. ओ.), निज़ामपेट (एस. ओ.), हैदराबाद - 500 090
दूरभाष सं. 040-2388 6002 / 23886074 फैक्स : 040-2389 2910 / 2389 5001
INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES
Ministry of Earth Sciences, Government of India
"Ocean Valley", Pragathi Nagar (BO), Nizampet (SO), Hyderabad - 500 090
Phone No.040-2388 6002/23886074

ईकोईस:क्रय:98/2025
Ref. INCOIS: PUR: 98/2025

दिनांक:17.08.2026
Date: 17. 08. 2026

सरकारी ई बाज़ार द्वारा निविदा सूचना आमंत्रण
Notice Inviting Tender through Government E Market Place (GeM)

भारतीय राष्ट्रीय महासागर सूचना सेवा केंद्र, हैदराबाद भारत सरकार के पृथ्वी विज्ञान मंत्रालय के अंतर्गत एक स्वायत्त निकाय है।
Indian National Centre for Ocean Information Services (INCOIS), Hyderabad is an autonomous body under Ministry of Earth Sciences, Government of India.

निम्न विवरणों के लिए पंजीकृत विक्रेताओं से निविदाओं/बोलियों को आमंत्रित किया जाता है। जीईएम की एक अधिप्राप्ति होने के नाते बोलियों को केवल सरकारी ई बाज़ार (जीईएम) <http://gem.gov.in/> द्वारा ऑनलाइन से ही जमा किया जाए। एनआईटी का संक्षिप्त विवरण नीचे दिया जा रहा है।

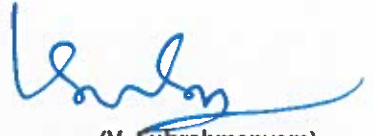
Tenders/Bids are invited from registered vendors of GeM for the following items. Being a GeM procurement, the bids has to be submitted online through **Government E- Market Place (GeM)** <http://gem.gov.in/> only. The brief details of NIT are appended below.

क्र. सं. S I. No	कार्य का नाम Name of the Work	बोली संदर्भ सं. Bid Reference No.	बोली संख्या एवं दिनांक Bid Number and Date	बोली समाप्ति की तारीख और समय Bid end date and Time
(1)	ईकोईस कैंपस, हैदराबाद में इलेक्ट्रिकल इंफ्रास्ट्रक्चर के लिए कॉम्प्रेहेंसिव एनुअल मेंटेनेंस कॉन्ट्रैक्ट (CAMC) Comprehensive Annual Maintenance Contract (CAMC) for Electrical Infrastructure at INCOIS Campus, Hyderabad	ईकोईस:क्रय: 98/2025 INCOIS:PUR: 98/2025	जीईएम/2026/बी/7927292 दिनांक: 17.08.2026 GEM/2026/B/7927292 dated 17.08.2026	07.09.2026 19:30:00

जीईएम की एक अधिप्राप्ति होने के नाते बोलियों को केवल जीईएम पोर्टल अर्थात बोली/आरए के खाने के अंतर्गत <http://gem.gov.in/> द्वारा ऑनलाइन से ही जमा किया जाए। किसी भी प्रकार की सहायता के लिए कृपया जीईएम पोर्टल की हेल्प लाइन से संपर्क करें। निम्न अधिकारियों से भी संपर्क किया जा सकता है: श्री वी सुब्रह्मण्यम (ईमेल: manyam@incois.gov.in; दूरभाष सं. 040 2388 6022)/ श्री दसारी प्रसाद (ईमेल: dasariprasad@incois.gov.in दूरभाष सं 040-2388 6082)

Being a GeM procurement, the bid has to be submitted online through the GeM portal i.e., <http://gem.gov.in> under the Bids/RAs column. For any assistance, please contact help line of GeM portal. The following officials may also be contacted: Mr. V. Subrahmanyam (email: manyam@incois.gov.in; Phone No. 040 2388 6022)/Mr. Dasari Prasad (email: dasariprasad@incois.gov.in Phone No. 040-2388 6082).




(V. Subrahmanyam)
(प्रशासनिक अधिकारी (क्रय)/ Administrative Officer (Purchase)
निविदा आमंत्रण प्राधिकारी, ईकोईस/
Tender Inviting Authority, INCOIS



बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	07-09-2026 19:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	07-09-2026 19:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	120 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Earth Sciences
विभाग का नाम/Department Name	Department Of Earth Sciences
संगठन का नाम/Organisation Name	Earth Sciences Secretariate
कार्यालय का नाम/Office Name	Indian National Centre For Ocean Information Servi
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :bala@incois.gov.in Buyer Email id: dasariprasad@incois.gov.in
वस्तु श्रेणी /Item Category	Operation and Maintenance Of Electrical Systems/Electrical Installations - As per scope of work of Tender Document
अनुबंध अवधि /Contract Period	3 Year(s)
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	80 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
इसी तरह की सेवाओं का पिछला आवश्यक अनुभव है/Past Experience of Similar Services required	Yes
टर्नओवर पात्रता मानदंड/Turnover eligibility criteria	GeM verified turnover
टर्नओवर के लिए एमएसई को छूट प्राप्त है / MSE Relaxation for Turnover	Yes Complete
टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है / Startup Relaxation for Turnover	Yes Complete
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer

बिड विवरण/Bid Details	
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
बिड से रिवर्स नीलागी सक्रिय किया/Bid to RA enabled	No
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	4 Days
अनुमानित निविदा मूल्य (सभी करों सहित) भारतीय रुपये में / Estimated Bid Value in INR (Inclusive of all taxes)	15950400
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मूल्य दर्शाने वाला वित्तीय दस्तावेज ब्रेकअप आवश्यक है / Financial Document Indicating Price Breakup Required	Yes
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	319000

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (x)/ePBG Percentage(%)	5.00

ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).

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(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने हैं। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

(c). ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :

DIRECTOR INCOIS

Indian National Centre for Ocean Information Services, Ministry of Earth Sciences, Gol, Pragathi Nagar, Hyderabad-90

(Director Incois)

UIN Number NCTGC2415P

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई अनुपालन/MII Compliance

एमआईआई अनुपालन/MII Compliance	Yes
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एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ / Purchase Preference to MSE OEMs/ Service Provider available upto price within $L1+X\%$	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	100

1. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.

2. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall

upload the supporting documents to prove his eligibility for Relaxation.

3. The minimum average annual financial turnover of the bidder during the last three financial years, ending on 31st March of the previous financial year, should be as indicated in the bid document. The turnover of the bidder shall be validated by the system based on the financial data available on the GeM portal. The average turnover shall be calculated based on the last three financial years where data is available; in case data is available for only two of the last three financial years, the average shall be computed based on those two years. In case the date of constitution / incorporation of the bidder is less than three years old, the average turnover in respect of the completed financial years after the date of constitution / incorporation shall be taken into account for this criterion. No separate documentary evidence is required to be uploaded by the bidder for this criterion, as the system shall derive and validate the turnover figures from the data available on the GeM portal.

4. Years of Past Experience required: The bidder must have experience for number of years as indicated above in bid document (ending month of March prior to the bid opening) of providing similar type of services to any Central / State Govt Organization / PSU. Copies of relevant contracts / orders to be uploaded along with bid in support of having provided services during each of the Financial year.

5. **Purchase preference to Micro and Small Enterprises (MSEs):** Purchase preference will be given to MSEs having valid Udyam Certificate and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service, and Buyer will decide eligibility for purchase preference based on documentary evidence submitted in case of product bids, whereas in case of services the eligibility is automatically validated. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 100% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No.1 4 2021 PPD dated 18.05.2023 for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

6. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

7. Past Experience of Similar Services: The bidder must have successfully executed/completed similar Services over the last three years i.e. the current financial year and the last three financial years(ending month of March prior to the bid opening): -

1. Three similar completed services costing not less than the amount equal to 40% (forty percent) of the estimated cost; or
2. Two similar completed services costing not less than the amount equal to 50% (fifty percent) of the estimated cost; or
3. One similar completed service costing not less than the amount equal to 80% (eighty percent) of the estimated cost.

एक्सेल में अपलोड किए जाने की आवश्यकता /Excel Upload Required :

PRICE BID - 1786970165.xlsx

अतिरिक्त योग्यता /आवश्यक डेटा/Additional Qualification/Data Required

Minimum number of employees on the payroll of service provider and documentary evidence required.: Minimum manpower deployment : The Contractor prices all manpower within the Part A lump-sum and deploys at least the following. Every shift post has a nominated reliever; no shift is left uncovered. Deployment of fewer staff attracts action under Section 8. The Contractor deploys additional personnel whenever the PPM calendar or breakdown load requires, at no extra cost to INCOIS.

Additional Compliance Documents required by buyer: Additional Compliance Documents are required as per the Tender Document

List of consumable/Material or spare parts as applicable1786970324.pdf

Please upload scope of work:[1786970329.pdf](#)

If you want to add additional conditions in addition to standard SLA then please mention the clauses of additional SLA:[1786970345.pdf](#)

If you want to add additional conditions in addition to standard SLA then please upload approval from competent authority:[1786970350.pdf](#)

List, quantity, type, specifications and other details of Machines/Product:[1786970412.pdf](#)

Additional Technical documents:[1786970418.pdf](#)

Format to be uploaded by buyer for the breakup of components on cost/price offered by Service Provider in the Bid:[1786970431.pdf](#)

This Bid is based on Least Cost Method Based Evaluation (LCS). The technical qualification parameters are:-

Parameter Name	Max Marks	Min Marks	Evaluation Document	Seller Document Required
As per Stage-II (Section 3.2) of Tender Document	100	70	View file	Yes

Total Minimum Passing Technical Marks: 70

Pre Bid Detail(s)

मूल्य भिन्नता खंड दस्तावेज़/Pre-Bid Date and Time	प्री-बिड स्थान/Pre-Bid Venue
25-08-2026 11:00:00	INCOIS HYDERABAD

Operation And Maintenance Of Electrical Systems/Electrical Installations - As Per Scope Of Work Of Tender Document (1)

तकनीकी विशिष्टियाँ /Technical Specifications

विवरण/ Specification	मूल्य/ Values
कोर / Core	
Operation And Maintenance Service Is Required For	As per scope of work of Tender Document
Type of Annual Maintenance Service Provider required	Comprehensive Annual Maintenance Contract
Status/condition of equipment/machine/system (At the time of bid)	Under AMC and functional
Cost of consumable/Material	Consumables to be provided by service provider (inclusive in contract cost)
Cost of spare parts	Spare parts to be provided by service provider (inclusive in contract cost and spare parts should be of OEM or OEM authorized/equivalent only)
एडऑन /Addon(s)	

विवरण/ Specification	मूल्य/ Values
अतिरिक्त विवरण /Additional Details	
Number of Dedicated managerial/supervisory staff required	1
Duty hours of dedicated managerial/supervisory staff	9
Working days in a week for managerial/supervisory staff	6

क्रेता द्वारा निर्धारित न्यूनतम मूल्य/Minimum Floor Price defined by Buyer

क्रेता द्वारा निर्धारित न्यूनतम मूल्य/Minimum Floor Price defined by Buyer	No
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अतिरिक्त विशिष्टि दस्तावेज़ /Additional Specification Documents

प्रेषिती/रिपोर्टिंग अधिकारी /Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	संसाधनों की मात्रा / Quantity(Please select 1 in case operation and maintenance service is required for complete system, otherwise mention actual quantity for each line item)	अतिरिक्त आवश्यकता /Additional Requirement
1	Reddipalli Velangini Giridhar	500090, Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences, Government of India, Ocean valley, Pragathi Nagar BO, Nizampet SO, Hyderabad - 50090 INDIA	1	Number of months for which Operations & Maintenance service is required during contract period : 36

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE 50% : The buyer can increase or decrease the contract quantity or contract duration up to 50 percent at the time of issue of the contract. However, once the contract is issued, the contract quantity or contract duration can only be increased up to 50 percent. Bidders are bound to accept the revised quantity or duration.

For lumpsum-based service contracts, the buyer may increase the scope of work and contract value up to 50 percent with the consent of the service provider

2. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

Comprehensive Annual Maintenance Contract (CAMC) for Electrical Infrastructure at IN COIS Campus, Hyderabad for a period of 3 years

EMD: Rs. 3,19,000/- (Rupees three lakhs and nineteen thousand only)

Site visits shall be permitted on all working days from the date of tender publication up to two working days before the bid submission deadline, between 1000 to 1600 hrs, on a prior e-mail request

Contract period: The CAMC is for 3 (three) years from the date of commencement, extendable by INCOIS in writing up to 2 (two) more years on the same terms, subject to satisfactory performance.

Payment terms:

Payment is made monthly in arrears, only upon satisfactory completion of the month's services, by RTGS / NEFT to the registered account; no advance is paid. The Contractor raises the Part A invoice for the previous month accompanied by the PPM completion documents for that month as per the approved schedule (the signed PPM checklists and the OEM / ASP service reports for the critical equipment), together with the attendance / deployment record, the EPF and ESI challans, the statutory compliance certificate, the KPI tracker and the monthly performance report. Part B item-rate and one-time works are taken up only against a specific written work order or instruction of the Engineer-in-Charge issued before the work starts; no Part B item is taken up on the Contractor's own initiative. Each item is paid on its quoted Part B unit rate for the quantity actually executed, jointly measured and entered in the Measurement Book, after the prescribed testing, commissioning and acceptance of that item by the Engineer-in-Charge. Payment for a completed item is released in full on its satisfactory completion and acceptance; no advance and no separate retention are payable, the Performance Guarantee at Section 11, point 6 covering any default. A work found necessary but not in the Part B schedule is paid on a rate derived from the nearest scheduled item or on a rate negotiated and recorded in writing before execution. INCOIS releases payment within 30 days of a correct and complete invoice with all the above documents, after deduction of penalties (Section 8), statutory dues and TDS; an invoice not accompanied by the scheduled PPM documents is treated as incomplete. GST is paid extra at actuals against a valid tax invoice. Pro-rata deduction applies for any Part A service not rendered for part of a month.

Dispute Resolution: (a) Any dispute or difference arising out of or in connection with this contract shall first be settled amicably by discussion between INCOIS and the Contractor, within 30 days of a written dispute notice by either party. (b) Failing amicable settlement, the dispute shall be referred to a Dispute Resolution Committee comprising representatives of INCOIS and the Contractor, chaired by an officer nominated by the Director, INCOIS, which shall Endeavour to resolve the matter within 30 days of its constitution. (c) Failing resolution under (b), the parties may by mutual written consent refer the dispute to mediation under the Mediation Act, 2023. (d) Arbitration shall not be a method of dispute resolution under this contract. Disputes not resolved through (a) to (c) shall be adjudicated by the courts at Hyderabad, Telangana, which alone shall have jurisdiction. This contract is subject to the laws of India alone.

3. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working

Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and
- All operative provisions of the erstwhile Labour Laws until their complete substitution.

All obligations relating to wages, social security, safety, working conditions, Industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

This Bid is governed by the सामान्य नियम और शर्तें/General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to this Service as provided in the Marketplace. However in case if any condition specified in सामान्य नियम और शर्तें/General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।/In terms

of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---





INCOIS: PUR: 98/2025

17-08-2026

Open Tender Enquiry for "Comprehensive Annual Maintenance Contract (CAMC) for Electrical Infrastructure at INCOIS Campus, Hyderabad".

Dear Sirs,

On behalf of Director, INCOIS tenders are invited under "Two Bid System" (Part-I Techno-Commercial Bid, Part-II Price Bid) from experienced and financially capable contractors having an established track record of comprehensive operation and maintenance of large institutional / mission-critical electrical installations with HT switchgear, transformers, DG sets and UPS systems, for the award of a Comprehensive Annual Maintenance Contract (CAMC) for the entire Electrical Infrastructure at the INCOIS campus, Hyderabad, for an initial period of Three (3) Years, extendable up to Two (2) more years on the same terms and conditions subject to satisfactory performance

1.	Name of the work	:	Comprehensive Annual Maintenance Contract (CAMC) for Electrical Infrastructure at INCOIS Campus, Hyderabad
2.	BID Reference No.	:	INCOIS: PUR: 98/2025 dated 17 August 2026
3.	Earnest Money Deposit (EMD)	:	Rs. 3,19,000/- (Rupees three lakhs and nineteen thousand only)
4.	Last date for seeking clarifications	:	24-08-2026 1600 Hrs
5.	Pre Bid Conference (Hybrid)	:	25-08-2026 1100 Hrs at INCOIS
6.	Site Visit (Mandatory)	:	Site visits shall be permitted on all working days from the date of tender publication up to two working days before the bid submission deadline, between 1000 to 1600 hrs, on a prior e-mail request
7.	Due date Bid submission	:	07-09-2026 1900 Hrs
8.	Bid opening date	:	07-09-2026 1930 Hrs

The offers, in the prescribed format, shall be submitted through online Government e- Marketplace at <http://gem.gov.in>

Postal/ Location Address

Indian National Centre for Ocean Information Services (INCOIS),
Ministry of Earth Sciences, Govt. of India,
Ocean Valley, Pragathi Nagar (BO), Nizampet (SO),
Hyderabad - 500 090
Ph.No.040-2388 6000

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1. Introduction:

The Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, is an autonomous body under the Ministry of Earth Sciences, Government of India. It is the operational nodal agency for round-the-clock ocean information services, ocean-state forecasts, tsunami early warnings, storm-surge advisories and potential-fishing-zone advisories for the Indian Ocean region. As a 24x7 mission-critical national facility, the reliability and continuity of the campus electrical infrastructure is fundamental to the INCOIS mandate.

INCOIS operates from a purpose-built, multi-block campus at Pragathi Nagar, Hyderabad 500090, of about 3,00,000 sq.ft. built-up area across the Main Building (operations centre, Glass Room data centre, Tsunami Warning Centre, research laboratories, administration), the ITCO Academic Block, the Hostel Block, the Amenity Building, the Multi-Purpose Hall, the Oceansat-2 Building, the Guest House and the Director's Residence and the residential quarters. The campus is fed at 11 kV from TGSPDCL through the HT yard. The complete equipment inventory is at Annexure VI.

INCOIS invites bids for a Comprehensive Annual Maintenance Contract (CAMC) for the Electrical Installations for an initial period of three (3) years, extendable up to two (2) more years on the same terms, subject to satisfactory performance. The scope is comprehensive: it covers a Resident Electrical Site Supervisor and the technical manpower, preventive, predictive, breakdown and corrective maintenance, all spares and consumables (except those specifically excluded), all tools, instruments, calibration, statutory testing and reporting needed to keep every asset in safe, reliable and continuously available service.

The Glass Room (Data Centre), the Tsunami Warning Room, the research wing and the guest houses must be powered continuously through the HT supply, the DG standby and the UPS chain as designed. INCOIS expects

zero tolerance to avoidable downtime, tripping, breakdown or schedule slippage. The service levels and penalties at Section 8 reflect this, and every clause is to be read with this overriding requirement of uninterrupted power in mind.

This is one of a coordinated set of four INCOIS facility contracts. INCOIS separately engages an Operations contractor for round-the-clock plant operation (DG starting during a grid outage, daily switching, metering and control-room duties). This CAMC does not duplicate operations manpower; the Resident Supervisor coordinates closely with the Operations contractor and the Civil & PHE and HVAC CAMC contractors, so that every electrical asset runs to design intent, every breakdown is closed within SLA and every preventive task is delivered on time.

2. Instructions to Bidders

These instructions govern the preparation and submission of bids. They are read with the General Conditions of Contract at Section 11.

2.1. Mandatory pre-bid site visit and pre-bid meeting

A pre-bid site visit is mandatory; the site-visit certificate (Annexure-I), signed by an authorized INCOIS officer, must be enclosed. INCOIS holds a pre-bid meeting on the notified date; queries received by GeM only up to the notified time. Replies and any corrigendum are issued only through GeM and become part of the tender. Site visits shall be permitted on all working days from the date of tender publication up to two working days before the bid submission deadline, between 1000 to 1600 hrs, on a prior e-mail request. The site-visit certificate shall be issued on the spot to every visiting bidder; no request made within the window shall be refused.

2.2. Clarifications and amendment

Clarifications are sought only through GeM. INCOIS may amend the tender by corrigendum before the due date and may extend the due date to give bidders reasonable time to respond to an amendment.

2.3. Evaluation and award

Evaluation is in two stages: Stage-1 pass/fail eligibility, then Stage-2 technical scoring out of 100 with a minimum qualifying score of 70. The Price Bid will be opened only for bidders scoring 70 or more, and the contract is awarded to the lowest evaluated price (L1) among the technically qualified bidders.

2.4. Integrity and falsification

Any falsification or suppression of information leads to disqualification and forfeiture, and action as per rules. A non-blacklisting and integrity declaration (Annexure II) is mandatory.

3. Eligibility and Technical Evaluation

3.1 Stage-1 — Mandatory Eligibility (Pass / Fail)

A bidder must meet every criterion below. Non-submission or non-compliance on any one criterion leads to rejection at Stage-1. INCOIS may seek clarification on a submitted document, but no new document is accepted after the due date for Stage-1 compliance.

Sl.	Criterion	Documentary proof
1	Indian legal entity (Company / LLP / Partnership / Proprietorship) with valid PAN and GSTIN.	Incorporation / registration + PAN + GSTIN
2	Valid EPFO and ESIC registration with current contributions (ECR / challans not older than 90 days from bid due date).	EPFO + ESIC registration + latest 3 months ECR / challans with UTR
3	Labour-law compliance undertaking (Annexure III).	Signed, stamped undertaking on letterhead
4	Non-blacklisting and integrity declaration (Annexure II): firm not blacklisted / debarred by any Government Department / PSU / autonomous body / GeM / CVC.	Notarized affidavit / self-declaration
5	Average annual turnover $\geq$ ₹0.80 Crore from electrical / MEP O&M or facility-management services, in the last 3 completed FYs (2023-24, 2024-25, 2025-26).	CA-certified FY-wise turnover certificate + audited P&L and Balance Sheet (3 FYs)
6	Net profit (before tax) in at least 2 of the last 3 FYs.	CA certificate / audited financials

7	Solvency / banker's certificate $\geq$ ₹0.64 Crore from a Scheduled Commercial Bank (cooperative banks not accepted), not older than 6 months.	Banker's solvency certificate
8	Similar work in the last 7 years: comprehensive maintenance of HT switchgear ($\geq$ 11 kV) AND transformers AND DG sets (cumulative $\geq$ 1000 kVA) AND UPS (cumulative $\geq$ 200 kVA) AND LT distribution at an institutional / multi-block / large commercial campus, in one or more eligible works, cumulatively meeting the stated capacities. One work $\geq$ ₹1.28 Cr, OR two each $\geq$ ₹0.80 Cr, OR three each $\geq$ ₹0.64 Cr.	Work orders + completion / client certificates (scope, value, dates) + client contacts
9	Valid Class-A (or higher) TSELB Electrical Contractor's License AND a valid 11 kV Electrical Supervisor's Certificate of Competency held by a permanent employee, both valid through the contract period.	Contractor's License + Supervisor Certificate + employment proof
10	OEM / OEM-authorized (ASP) tie-up for the critical equipment families (DG, UPS, HT switchgear, Transformers, LT switchgear / relays), OR a written undertaking to enter a back-to-back ASP agreement within 30 days of award.	ASP letters / Lols, OR undertaking
11	Hyderabad presence of at least 1 year, OR a signed undertaking to set up a functional Hyderabad office within 15 days of award.	Lease + utility bill / Udyam / Shops & Establishment / Hyderabad CLRA, OR undertaking
12	Mandatory pre-bid site visit completed.	Site-visit certificate (Annexure I)
13	EMD as in the NIT, or MSE / Startup exemption.	DD / BG / online proof, OR Udyam / DPIIT certificate
14	Unconditional acceptance of the tender, signed on every page.	Signed tender / acceptance letter
15	Restrictions on procurement from a bidder of a country which shares a land border with India: the bidder shall be eligible only if registered with the Competent Authority (the DPIIT Registration Committee) in terms of Department of Expenditure O.M. No. F.7/10/2021-PPD dated 23.02.2023 read with O.M. F.No. 6/18/2019-PPD dated 23.07.2020 and amendments thereto; a certificate to this effect shall be submitted (see GCC).	DPIIT Registration Committee registration certificate where applicable, and signed certificate to this effect

MSME / Startup relaxation: MSEs with valid Udyam registration are relaxed from the Turnover (Sl. No. 5) and EMD and DPIIT-recognized Startups are exempt from the Turnover (Sl. 5) and Similar Work (Sl. 8) criteria at Stage-1 and from EMD, and are given a deemed 50% of the marks for the corresponding Stage-2 parameters. All other criteria, including the statutory license at Sl. 9, remain mandatory for all bidders (PPP-MSE Order 2012; GFR 2017). The 25% purchase preference and price-matching under the PPP-MSE Order 2012 are not separately applied to this composite service; eligible MSEs and DPIIT-recognized Startups are instead granted the EMD, turnover and similar-work exemptions and the Stage-2 relaxations stated above.

3.2 Stage-2 — Technical Scoring (100 marks; minimum qualifying 70)

Only bidders who clear all Stage-1 criteria are scored at Stage-2, out of 100 marks, on the parameters below. The scoring slabs make clear what earns full marks. The Price Bid will be opened only for bidders scoring 70 or more. The same framework is used across all four INCOIS tenders so that bidders and the committee read them alike.

Sl.	Parameter and scoring slabs	Max	Self-score
1	Similar HT / LT electrical O&M experience (multi-block campus / institution; last 7 years; verifiable). [+15] Stage-1 minimum (1 work $\geq$ ₹1.28 Cr, OR 2 $\geq$ ₹0.80 Cr, OR 3 $\geq$ ₹0.64 Cr) [+20] base + 1 additional qualifying work [+25] base + 2 additional works [+30] base + 3 or more works, OR a multi-site HT-side O&M	30	

	contract over 3+ campuses Bonus (within 30): data-centre / mission-critical experience +2; CEA approval-renewal experience +1.		
2	Average annual turnover (last 3 FYs; electrical / MEP / FM only). [+10] meets the Stage-1 minimum (₹0.80 Cr) [+15] two times the minimum or more [+20] three times the minimum or more MSE / Startup: deemed 10 where Stage-1 turnover is waived.	20	
3	Solvency / banker's certificate (Scheduled Commercial Bank, ≤ 6 months old). [+6] ₹0.64 to < ₹1.00 Cr; [+8] ₹1.00 to < ₹2.00 Cr; [+9] ₹2.00 to < ₹3.00 Cr; [+10] ≥ ₹3.00 Cr	10	
4	Local service capability — Hyderabad presence and 24x7 response. [+2] undertaking to set up office within 15 days only [+4] existing Hyderabad office [+7] existing office + dedicated full-time Supervisor + documented trade-wise standby pool [+10] all the above + named 24x7 escalation manager + locally stocked critical spares + Hyderabad OEM / ASP tie-up	10	
5	Technical infrastructure and key personnel depth. Sub-A tools and capability (max 5): +2 general profile; +3 dedicated electrical O&M division + test instruments (5/10 kV megger, earth tester, TTR, injection test sets, IR thermography camera, tan-delta set, micro-ohmmeter, calibrators); +5 plus 2 or more concurrent HT/LT contracts and named visiting OEM specialists. Sub-B key personnel (max 5): +2 CV of Supervisor; +3 plus a Senior Technician; +5 plus a named Helper, with 2 or more trade certifications across the team.	10	
6	ISO certifications (additive; NABCB / IAF-MLA; scope Electrical / MEP / FM). [+2] ISO 9001:2015; [+2] ISO 45001:2018; [+1] ISO 14001:2015	5	
7	Statutory license and OEM tie-ups. Sub-A (max 5): +3 Stage-1 minimum (Class-A TSELB + 11 kV Supervisor Cert); +5 plus verifiable HT-side experience at multiple institutional sites. Sub-B (max 5): +3 ASP tie-up for 3 of the 5 critical families; +5 all 5 families + documented OEM spares.	10	
8	Client references and past performance (last 5 years; Govt / PSU / institutional preferred). [+1] 1 verified reference ... [+5] 5 or more (same client counts once).	5	
	TOTAL	100	

All claimed evidence is verifiable. INCOIS may verify any claim with clients, OEMs, certifying bodies or banks, and may make a verification visit, before finalizing scores. Self-assessed scores are for reference; the committee decides the final score.

4. Scope of Work: The Contractor shall maintain the entire electrical infrastructure of the campus, comprehensively, to keep every asset in the inventory safe, reliable and continuously available. All work complies with the OEM service manuals and the relevant IS / IEC standards, the CEA (Measures relating to Safety and Electric Supply) Regulations, the Indian Electricity Rules, CPWD General Specifications for Electrical Works and NBC 2016 Part 8. The equipment-wise scope and the line-by-line exclusions are at Annexure V; the asset inventory is at Annexure VI; the PPM schedule and checklists are at Section 7 and Annexure VII.

4.1. Resident Electrical Site Supervisor

The Contractor shall deploy one Resident Electrical Site Supervisor who leads all work under this CAMC. The Supervisor is on-site every working day, Monday to Saturday, in the general shift 0900 to 1800 hrs (common to all four INCOIS contracts), excluding declared holidays, and is on-call 24x7 for every emergency that affects power continuity: HT-side trip, transformer trip, DG starting failure during a grid outage, UPS failure feeding the Glass Room or Tsunami Room, AMF / synchronising failure, major LT fault, fire / smoke / earth-fault signal, lightning incident or panel-room flooding. On an emergency call the Supervisor reaches the location within 1 hour during working hours and within 2 hours during off-hours, takes charge, and submits a written incident report within 24 hours.

Qualification: B.E./B.Tech in Electrical Engineering with at least 3 years of HT and LT O&M experience, OR a Diploma with at least 5 years, and a valid 11 kV TSELB Electrical Supervisor's Certificate of Competency. Required working knowledge: protection-relay testing, IR thermography, transformer oil testing, earth-resistance measurement, LT cabling and termination and the BMS / SCADA interface. Working knowledge of AutoCAD 2D and MS Office is desirable, not mandatory; the Contractor is not required to supply any laptop or AutoCAD software, and keeps the service / as-built drawings updated using its own resources, handing over soft copies whenever an asset or layout changes.

- **Documentation and records**

The Supervisor maintains, in hard-bound logbooks and in excel sheets accessible to INCOIS: HT, transformer, DG and UPS daily logbooks; complaint and work-order register; PPM tracker; earth-resistance register (per pit); spares register; calibration and statutory-test-certificate registers (IR, BDV, oil analysis, relay test, contact resistance, earth resistance, battery discharge); PTW / LOTO register; IR-thermography register; switching logbook; and the safety toolbox-talk register. A comprehensive monthly report (HT-side health, transformer condition, DG availability, UPS performance, LT trip log, energy consumption, PPM compliance, KPI self-assessment and the next month's plan) is submitted by the 5th of the following month.

- **Safety, PTW and compliance**

Mandatory PPE for every worker (insulating gloves of the correct class, arc-flash protection per the arc-flash study, insulating mats, helmet, eye / face protection, insulated tools, full-body harness for height work); a formal Permit-to-Work and Lock-out / Tag-out procedure for every HT switching, every transformer / DG / UPS isolation, every panel intervention, cable-jointing and work at height above 2 m. No live work on exposed HT conductors except by an 11 kV-licensed Supervisor under explicit written authorisation and approved live-line procedures. Weekly toolbox talks with attendance; MSDS for transformer oil and battery electrolyte; immediate written reporting of every accident, near-miss and statutory notice.

4.2. 11 kV HT Yard, HT Switchgear and Transformers

Maintain the 11 kV VCBs, CTs / PTs, HT panels and switchboards, the AB switch and HT cable end-terminations, the oil-filled and dry-type transformers and the RTCC panels. Tasks include contact-resistance and timing checks on breakers, relay testing and calibration, IR and polarisation-index measurement, transformer oil testing (BDV, DGA where due), tan-delta, OLTC inspection, bushing and silica-gel breather maintenance, tightening and thermography of all HT joints, and prompt rectification of any defect. All HT operations are under PTW and recorded in the switching logbook. Standards: IS 1818 / IEC 62271 (switchgear), IS 10028 / IEC 60076 (transformers).

4.3. DG Sets, AMF and Synchronising Panels

Maintain the DG sets (600 / 500 / 320 / 160 kVA), the AMF and synchronising panels and the APFC panels: engine and alternator servicing, fuel, lubricating-oil and coolant management, battery and charger upkeep, scheduled

and on-load test runs, AMF and synchronising-logic checks, exhaust and acoustic-enclosure maintenance, and verification that every DG starts and takes load on the first attempt during a grid outage. APFC: capacitor health, contactor and step-controller checks, target power factor maintained.

4.4. UPS Systems and Battery Banks

Maintain the UPS systems (250 / 120 / 80 / 40 / 20 kVA) and their battery banks, input / output and bypass checks, fan and capacitor health, firmware / event-log review, battery terminal cleaning and tightening, periodic discharge / capacity testing, and individual cell / module replacement up to 5% of bank capacity per year within scope. Continuity to the Glass Room and Tsunami Room is mission-critical. Standards: IEC 62040 / IS 13314.

4.5. LT Panels, MCCs, APFC, Distribution Boards and Sub-mains

Maintain the main MV / LT panels, station auxiliary panels, sub-distribution panels by building and floor, the PDB / LDB / UPS-DB pools, bus ducts and sub-mains: thermography and tightening of all joints, ACB / MCCB servicing and testing, breaker and relay checks, busbar and insulation inspection, replacement of defective MCBs / RCBOs / contactors / capacitors / meters within scope, neutral and earth-link integrity, and labelling. Standards: IS / IEC 60947 (switchgear), IS 8623 / IEC 61439 (assemblies). APFC: capacitor health, contactor and step-controller checks, target power factor maintained.

4.6. Internal Wiring, Lighting, Sockets, Switches, Isolators and Fans

Maintain internal wiring, , socket outlets, switches, isolators, ceiling / exhaust / wall / pedestal fans; socket / switch / front-plate replacement, isolator servicing, fan overhaul, and loose-connection rectification found on patrol or by complaint. Lamps, drivers, switches, sockets and fan spares are within Part A. Street lighting and external lighting are dealt with at §4.8 and are outside the scope of this sub-clause.

Gate Motors (K.1 — Main Gate, Roger make; K.2 — Rear Gate, FAAC 741-S): monthly operational test (open/close cycle, limit-switch verification, obstruction-sensor check), annual lubrication of drive mechanism and chain/belt inspection, control-panel fuse and wiring check, and rectification of faults within SLA. Electrical motor winding insulation check to be carried out at the annual statutory testing. The mechanical structure and gate leaves are under the Civil CAMC; the electrical motor, controller, power supply and control wiring are under this CAMC.

EOT Crane (K.8 — 1 Ton, Glider Lab, ITCO): maintain the electrical part of the EOT crane — crane panel, isolator, pendant-control cable and buttons, limit switches (hoist up/down, travel end-stops), motor winding, brake coil, power-bus bar and festoon cable. Monthly operational check (hoist, travel, brakes, limit-switch trip), quarterly insulation-resistance test of motor windings and festoon cable, and annual electrical inspection per IS 3177 / IS 13834. The structural, mechanical and runway-beam inspection is under the Civil CAMC (see §4.11). No load-bank or load test is included in the Part A lump-sum;

Telecommunication & Structured Cabling — Passive (Group M: MDF, SDFs, patch panels, CAT-5E UTP, telephone cables, fibre-optic inter-building backbone, RJ-11 telephone sockets): maintain the passive cabling infrastructure under this CAMC. Scope includes bi-annual visual inspection and cleaning of MDF and all SDFs (dust removal from Krone termination blocks, patch panels and cable management); annual continuity and link-performance test of a representative sample (20%) of CAT-5E and telephone-cable runs using a cable tester (TDR / loop resistance); annual inspection and cleaning of fibre-optic termination boxes and visual check of fibre-optic cable runs for kinks, physical damage or unsecured routing; label verification of all outlets, patches and termination blocks, and rectification of missing or incorrect labels; and repair or re-termination of any passive cable or connector found faulty. Active network equipment (switches, routers, servers) is excluded from this CAMC. The IT Department or IT Systems contractor is responsible for active equipment; co-ordination for any cabling work that requires rack access is arranged through INCOIS.

4.7. Earthing System and Lightning Protection

Maintain the complete earthing system (maintenance-free electrodes, GI-pipe and copper-plate earth stations, earth bus and conductors) and the lightning-protection system (conventional and ESE arrestors, down-conductors, test joints): earth-pit resistance measurement and recording per pit, watering and salt-charging where required, tightening and corrosion treatment of all earth connections, continuity testing of down-conductors, and rectification to keep resistance within the design threshold. Standards: IS 3043 (earthing), IS / IEC 62305 and IS 2309 (lightning protection).

Earth-pit records: the Contractor shall test and record the earth-resistance value of every earth pit, and shall neatly paint, on the cover of each pit, the pit number, the last-tested resistance value and the date of test; a master earth-resistance register (pit-wise, with trend) shall be maintained and produced on demand.

4.8. Street Lighting, External Lighting and Solar Water Heater System

Maintain street and high-mast lighting, external / facade lighting, pillar boxes and timers / photocells, and the Solar Water Heater System. Replacement lamps and luminaires for street and external lighting are procured and supplied by INCOIS; the operations contractor manpower carries out their fitting, wiring and commissioning. The routine maintenance of all street-light and external-light fittings, poles, pillar boxes, photocells and timers — including periodical cleaning, pole-base earthing and gland checks, high-mast lowering-gear servicing and auto on / off verification — is under the scope of this CAMC. For the street-light and high-mast poles, this CAMC covers periodic painting and anti-corrosion treatment of MS and concrete poles only; the galvanised (GI) poles at the ITCO campus do not require painting and are excluded from the painting scope. The Solar Water Heater System collectors and circulation are maintained under this CAMC. The rooftop solar PV plant is excluded (see 4.11).

4.9. Predictive and Condition-Based Maintenance

Carry out scheduled IR thermography of all HT and LT joints, panels and terminations with a thermographic register and trend; protection-relay testing and calibration; transformer oil BDV / DGA; battery impedance / discharge testing; earth-resistance trending; and power-quality / harmonics checks. Defects found are rectified within the SLA, and the analysis informs the next PPM cycle.

4.10. Statutory Compliance, CEA Approvals and Permit-to-Work

Keep the installation compliant with the CEA Regulations and the Electricity Act: maintain statutory test records, facilitate and escort the periodic Electrical Inspectorate / CEA inspection, prepare the test reports and drawings, and rectify any flagged observation within the stipulated time (statutory fees borne by INCOIS). Operate the PTW / LOTO system for all work. Renewal of the CEA / Electrical Inspectorate approval is a Part B item (B-1).

4.11. Exclusions and cross-contract boundaries

To avoid duplication across the four INCOIS contracts, the following are excluded from this CAMC:

- HVAC electrical panels and VFDs (AC main / AHU / MCC-27 / MCC-30 / chiller / cooling-tower / pump panels): under the HVAC CAMC.
- Mechanical and hydraulic part of pumps and STP equipment: under the Civil & PHE CAMC. The electrical motor, panel and control wiring of those pumps stay in this Electrical CAMC.
- Civil and structural inspection of poles, masts, panel rooms and the crane runway: under the Civil CAMC; their electrical part stays here.
- The rooftop solar PV plant: installed on the RESCO model under a Power Purchase Agreement with M/s Cleanmax Solar, who carry out the entire O&M of the solar plant (modules, inverters and the DC / AC system up to the interconnection point). This CAMC covers the grid, DG and LT system up to the solar interconnection metering only.

Works excluded from the Part A lump-sum

Bulk end-of-life replacement of UPS battery banks (day-to-day battery upkeep and up to 5% cell replacement per year remain within Part A).

- Major overhaul or rewinding of transformers, and major engine / top overhaul of DG sets, beyond the routine OEM-scheduled servicing included in Part A.
- Complete replacement of any equipment, panel, luminaire or fixture at end of life (repair and component replacement remain within Part A).
- Supply of street-light and external-lighting lamps and luminaires, arranged by INCOIS (Section 4.8); the Contractor fits and maintains them.
- Statutory inspection and approval fees of the CEA / Electrical Inspectorate (facilitation is a Part B item; the fees are borne by INCOIS).

- Any capital upgradation or addition of new equipment, dealt with under Section 11, point 20 at proportionate or mutually agreed rates.

Payment for Part B works: unless a specific item rate is quoted in the Price Bid (Section 10.2 / Annexure VIII), the Part B item-rate works listed above shall be executed and paid at the current CPWD Delhi Schedule of Rates (E&M) in force on the date of the work order, plus or minus the percentage quoted by the Contractor in the Price Bid; where no DSR item exists, at a rate analysis mutually agreed in writing before execution. This defined mechanism replaces any post-contract negotiated-rate fixation.

Day-to-day operation, watch-and-ward, logbook entry and first-level response on the in-scope assets are by the Operations contractor; this CAMC carries the maintenance, repair and spares. The two work to a single coordinated logbook (Section 4.1) and the coordination obligations at Section 6.

4.12 Item-Rate and One-Time Works (Part B)

The works below are listed at Part B of the Price Bid (Section 10.2). They do not form part of the fixed monthly CAMC. Each is taken up only on a written work order of the Engineer-in-Charge, executed to the scope and specification given here, and paid on the quoted Part B rate for the quantity actually executed and accepted.

B-1 Renewal of CEA / Electrical Inspectorate statutory approval. Scope: facilitation of the periodic statutory approval of the entire 11 kV installation by the Telangana State Electrical Inspectorate / CEA, including preparation and updating of the single-line diagram and test reports, earth-resistance and insulation-resistance testing, breaker and relay test records, and rectification of minor observations raised during the inspection. Execution: the Contractor compiles the test reports and drawings, applies through INCOIS, attends and escorts the Inspector during the visit, and closes the flagged observations within the time allowed. Checking and acceptance: the item is complete on receipt of the renewed approval or inspection clearance; the statutory fee is borne by INCOIS separately (clause 4.11). Standards: Electricity Act 2003, the CEA (Measures relating to Safety and Electric Supply) Regulations, and IS 3043 for earthing.

B-2 Energy audit by a BEE-empaneled auditor. Scope: a detailed energy audit of the electrical installation (HT supply, transformer loading, power-factor and capacitor health, DG and UPS efficiency, lighting power density and harmonics) with a measured-savings report and a prioritized action list, carried out twice in the contract period (Year 1 and Year 3). Execution: the audit is performed by a BEE-Accredited Energy Auditor using calibrated instruments (power-quality analyser, clamp meters, lux meter, thermal imager) over a representative load cycle, without interrupting critical loads. Checking and acceptance: the deliverable is the signed audit report with baseline, findings and a payback-ranked recommendation list, accepted by the Engineer-in-Charge; the fee is paid on submission of the accepted report. Standard: the Energy Conservation Act 2001 and the BEE guidelines.

5. Manpower, Qualifications and Key Performance Indicators

5.1. Minimum manpower deployment

The Contractor prices all manpower within the Part A lump-sum and deploys at least the following. Every shift post has a nominated reliever; no shift is left uncovered. Deployment of fewer staff attracts action under Section 8. The Contractor deploys additional personnel whenever the PPM calendar or breakdown load requires, at no extra cost to INCOIS.

Post	Minimum qualification & experience	Deployment
Resident Electrical Site Supervisor	B.E./B.Tech Electrical + 3 yrs HT/LT O&M (or Diploma + 5 yrs); valid 11 kV TSELB Supervisor Certificate	1, general shift, on-call 24x7

Every deployed person clears police / antecedent verification and INCOIS interview / clearance before deployment (Section 6.5). HT operators hold individual Electrical Supervisor Competency certificates; LT staff hold a Wireman / Electrician licence. The Contractor retains staff for continuity and does not change them frequently; a planned replacement needs 30 days' notice, an equal-or-better qualified and police-verified replacement, and INCOIS approval.

All personnel deployed under this contract shall mark attendance on the biometric attendance system installed / designated by INCOIS, in addition to the Contractor's muster roll. The biometric record shall be the primary basis for verification of deployment, manning penalties and wage-payment certification. Failure of a worker to register on the biometric system without written INCOIS exemption shall be treated as absence for that shift.

5.2 Key Performance Indicators

Performance is assessed monthly against the KPIs below, recorded in the KPI tracker (Annexure IX) and submitted with the monthly report. Where a KPI consequence also appears in Section 8, the Section 8 quantum prevails.

KPI	Target	Measurement
Power continuity to the Glass Room and Tsunami Room (UPS chain)	100%, zero outage attributable to the Contractor	UPS event log; INCOIS incident log
Overall campus power availability	≥ 99.9% per month (excluding TGSPDCL outage covered by DG)	Outage log; metering
DG starting reliability on a grid outage	100%, first attempt	DG / AMF event log
UPS uptime feeding critical loads	≥ 99.9% per month	UPS event log
Critical-complaint response	Within 1 hr (working) / 2 hr (off-hours)	Complaint register
PPM schedule compliance	≥ 95% for non-critical PPM tasks; 100% for critical and statutory tasks, of the approved PPM calendar	PPM tracker, INCOIS-verified
Statutory-test compliance (IR, earth, oil, relay)	100% on the due date	Statutory-test register
Safety: lost-time incidents	Zero	Safety register; incident reports

6. Mobilization, Approved Makes and Site Takeover

6.1 30-day mobilization schedule

All mobilisation is completed within 30 calendar days of the Letter of Award (LoA). A delay against any milestone attracts Rs 2,000 per day per milestone under Section 8.

Milestone	Action required by the Contractor
Day 7	Deploy the Resident Electrical Site Supervisor. Submit the full staff-deployment list (name, designation, qualification, experience).
Day 10	Submit insurance (Workmen's Compensation, third-party liability, all-risk for equipment), EPFO / ESIC registration and latest challans, and the police-verification status of all proposed personnel.
Day 15	Submit the Performance Bank Guarantee. Establish the Hyderabad project office if not already present. Deploy all shift technicians and relievers. Begin full site familiarisation of substations, HT yard, DG / UPS / panel rooms.
Day 21	Submit the baseline as-found condition report (HT switchgear, transformers, DG, UPS, LT) with IR thermography and earth-resistance baselines; updated as-built drawings (HT / LT SLDs, panel schedules, earthing and lightning layout); and stock the initial 30-day spares.
Day 30	Submit the first-year PPM calendar, the emergency-escalation matrix and the statutory-testing plan. Complete the joint as-found inventory sign-off.

6.2 Approved makes and material standards

The Contractor uses reputed makes carrying the ISI / BIS mark where mandatory and OEM or OEM-equivalent spares for branded equipment. Indicative approved makes: switchgear and protection (ABB, Siemens, Schneider, L&T); cables (Polycab, Finolex, KEI, Havells, RR); MCB / RCBO / DB (Legrand, Schneider, Hager, L&T, Havells); LED fittings (Philips, Wipro, Crompton, Bajaj); contactors / capacitors (L&T, Schneider, EPCOS); transformer oil (IS 335 / IEC 60296 from a reputed refiner); UPS / DG spares (OEM: Riello / Emerson; Cummins). Any alternative make is approved in writing by the INCOIS Engineer-in-Charge before procurement; INCOIS may approve or reject any material.

6.3 Joint mutual inspection and takeover of site

Within 14 days of the LoA, a joint mutual inspection of all in-scope installations is carried out by INCOIS, the outgoing agency (where any) and the successful bidder, and a mutually signed as-found inventory and condition

report is recorded; this supersedes the bid inventory. Major deficiencies or defects recorded at takeover are attributable to the outgoing agency; routine servicing and minor defects (lamp / indicator / single-phase switch, socket or MCB replacement, belt replacement, tightening, gas / oil top-up of the in-scope equipment, and the like), even if due at takeover, are within this Contractor's scope. On completion of the contract the Contractor hands over all installations to INCOIS in good working order, with a joint closing inventory. The Contractor stocks sufficient spares, tools and instruments at site so that operation and maintenance, including preventive servicing, is never held up for want of spares.

6.4 Coordination with the other INCOIS contracts

The Contractor works as one team with the Operation & Maintenance Manpower, HVAC CAMC and Civil & PHE CAMC contractors, INCOIS engineers, OEM teams and the utilities. It attends the weekly site-coordination meeting; gives at least 48 hours' written notice of any shutdown affecting another agency or user area and obtains a PTW; maintains entries in the common Coordination Logbook co-signed by all parties; jointly plans every shutdown of HVAC LT panels with the HVAC contractor; coordinates with the Civil contractor for work near panel rooms, cable trenches, transformer plinths, DG rooms, earth pits and lightning down-conductors; monitors that the Operations manpower runs every electrical asset to design intent and gives them induction and refresher training; and liaises with TGSPDCL on HT metering / outages and with the Electrical Inspectorate / CEA on inspections. Where a fault straddles a boundary, the agency on whose side the root cause lies leads the rectification; none disowns a shared task.

6.4-A Master Coordination Clause (common to the four INCOIS facility contracts)

(a) The four contractors (O&M Manpower, Electrical CAMC, HVAC CAMC, Civil & PHE CAMC) function as one facility team under the INCOIS Engineer-in-Charge (EIC). (b) On any breakdown or incident touching more than one contract (illustratively: a pump tripping electrically, an AHU condensate overflow, a panel-room seepage, an STP electrical fault), every contractor summoned by the EIC or the Help-Desk shall attend within 30 minutes during working hours and within 2 hours otherwise, irrespective of its view on ownership. Attendance is without prejudice to the final allocation. (c) Where the contractors do not agree on ownership of a task or the root cause of a failure, the EIC's written allocation is final and binding for execution. A contractor may record its protest in the Coordination Logbook and raise it at the monthly review; it shall not suspend or delay the work. Cost consequences follow the root cause as finally recorded; where the root cause is mixed, the EIC apportions the cost in writing. (d) A Joint Monthly Coordination Review is held on the first working Monday of each month, chaired by the EIC, attended by the Resident Supervisor / Site Engineer-in-Charge of all four contractors. Agenda: open Help-Desk items by contract, boundary disputes, the Joint Shutdown Calendar for the next 60 days, PPM clashes, safety observations and the Coordination Logbook audit. Minutes are binding records. The weekly site-coordination meeting continues as the working-level forum. (e) Handover/takeover of any common asset between contractors (isolation, permit transfer, restoration) is recorded in the Coordination Logbook and countersigned by both Supervisors; the asset is not left in an intermediate state. (f) The escalation chain on the INCOIS side is: Help-Desk → EIC → INCOIS Facility In-charge → Director, INCOIS. The contractor-side chain is per each contract's Annexure IV. (g) Non-attendance under (b), or refusal to execute an EIC allocation under (c), is a penalty event under Section 8 of the defaulting contract (Rs 2,000 per incident, escalating on repetition) and a performance record for Stage-2 scoring in future INCOIS tenders. (h) An annual joint emergency drill involving all four contractors is held as per the O&M Manpower contract, Annexure IX row A-3; attendance is mandatory for all four.

6.5 Police verification and INCOIS clearance before deployment

INCOIS is a restricted establishment. Before any person is deployed, in any category, the Contractor submits the person's police / antecedent verification report (or the acknowledged application) with Aadhaar / photo ID and a photograph; INCOIS may interview, test or verify any proposed person and may reject anyone found unsuitable without assigning reasons; and each person signs a non-disclosure undertaking. No person is deployed until INCOIS clears the deployment in writing.

7. Preventive Maintenance Programme (PPM) and Standards

The Contractor delivers a planned preventive-maintenance programme to the frequency matrix below, against an approved annual PPM calendar (April to March) issued at mobilisation. The detailed daily-to-annual checklists are at Annexure VII. Slippage is dealt with under Section 8; a critical-asset PPM miss is treated as an immediate breach.

OEM / ASP maintenance of critical equipment: the preventive maintenance of the DG sets and the UPS systems on monthly basis and the HT switchgear and transformers shall be carried out by the OEM or an OEM-authorised service provider (ASP) on a quarterly basis, and the OEM / ASP service report, jointly signed, shall be submitted with that month's performance report. The periodicity stated in the frequency matrix and in Annexure VII is the minimum; where an OEM manual specifies a more frequent attention for any equipment, the OEM manual prevails. This monthly OEM / ASP attendance for the critical equipment is included in the Part A lump-sum.

Equipment family	Routine (daily / weekly / monthly)	Periodic (quarterly / half-yearly / annual & statutory)
HT switchgear & transformers	Daily log of HT events, oil / winding temperature, OLTC tap, alarms; monthly visual and breather check	Quarterly thermography and tightening; half-yearly relay and contact-resistance checks; annual oil BDV / DGA, tan-delta, IR and CEA statutory testing
DG sets, AMF & APFC	Daily checks of oil, coolant, fuel, battery; weekly no-load test run; monthly on-load test	Quarterly AMF / synchronising checks; half-yearly full service; annual load-bank test and overhaul as per OEM hours
UPS & battery banks	Daily log of input / output / load / battery; monthly fan and event-log review	Quarterly battery terminal / impedance checks; half-yearly capacity check; annual discharge test
LT panels, MCCs, DBs	Monthly visual, indicator and load check	Quarterly thermography and tightening; annual ACB / MCCB servicing and testing
Wiring, lighting, sockets, fans	Monthly patrol; replace failed lamps / drivers in critical areas within 24 hrs	Quarterly switch-box and socket checks; annual operational test of isolators and emergency lights
Earthing & lightning protection	Monthly visual of earth links and down-conductors	Quarterly earth-pit resistance (sample); annual full earth-resistance test and lightning-system continuity test
Street / external / SWH	Monthly fitting check; replace fused lamps within 48 hrs	Quarterly pole-base earthing and cleaning; annual high-mast lowering-gear service and circuit IR test

7.1. Standards and references

All maintenance, testing and materials conform to the latest editions of, among others: IS 1818 / IEC 62271 (HT switchgear); IS 10028, IEC 60076 and IS 1866 (transformers and oil); IS / IEC 60947 and IS 8623 / IEC 61439 (LT switchgear and assemblies); IEC 62040 / IS 13314 (UPS); IS 3043 (earthing); IS / IEC 62305 and IS 2309 (lightning protection); IS 335 / IEC 60296 (insulating oil); the CEA (Measures relating to Safety and Electric Supply) Regulations and the Electricity Act 2003; CPWD General Specifications for Electrical Works (Part I Internal, Part II External, Part IV Substation); NBC 2016 Part 8; and the relevant OEM service manuals. Where an OEM manual is more stringent than a code, the OEM manual prevails for that equipment.

8. Service Levels and Penalties

Every penalty under this Section is a percentage of the CAMC value of the equipment that failed, taken from the Contractor's own item-wise price schedule at Annexure VIII, and rises in three steps on repetition. The regime is meant to make the Contractor perform, not to earn revenue and not to keep good firms away, and follows normal CPWD and GFR practice. Penalties are without prejudice to the recovery of actual damages, statutory dues and consequential cost.

8.1 Basis of penalty — the Equipment CAMC Value

Equipment CAMC Value (ECV) means the annual CAMC rate quoted by the Contractor against the relevant line of Annexure VIII (Item-wise Electrical CAMC Price Schedule), multiplied by the number of units affected by the failure. The following rules apply:

- The Annexure VIII unit rates bind for the levy of penalty on an individual installation, even where the Part A lump-sum differs from the Annexure VIII grand total. This is already stipulated at Section 10.2 and is confirmed here.
- Where one failure affects more than one Annexure VIII line, ECV is the sum of the affected lines. Where a single line covers a pool of identical units (for example PDBs, LDBs, street-light poles, fans), ECV is the unit rate multiplied only by the number of units actually affected.
- Where a breach cannot be traced to any equipment line — records, housekeeping, manpower, safety, statutory and site-conduct breaches — the flat amounts at Section 8.5 apply instead of a percentage.
- Any Annexure VIII line left blank, quoted zero or marked NA renders the bid non-responsive. At price-bid evaluation INCOIS may call for written justification of any line that appears materially under-quoted or over-quoted against its group sub-total, and may treat the bid as unbalanced and reject it under Rule 173 of GFR 2017.

8.2 The penalty ladder — 2%, 5%, 10%

A breach occurs when the resolution target at Section 8.3 is missed, or when a preventive-maintenance, statutory-test or record obligation is not met by its due date. Breaches are counted against each Annexure VIII line separately, over a rolling period of 12 months.

Breach of the same Annexure VIII line in a rolling 12 months	Penalty	Action alongside the penalty
First breach	2% of ECV	Show Cause Notice. The Contractor has 3 working days to respond; the penalty is waived if the breach is shown not to be attributable to the Contractor.
Second breach	5% of ECV	Levied on occurrence. Show Cause Notice issued for record; the breach is reported in that month's KPI tracker (Annexure IX).
Third breach	10% of ECV	Levied on occurrence, together with a Performance Improvement Notice (PIN) requiring a written corrective-action plan within 7 days.
Fourth and each later breach	10% of ECV	Levied on occurrence. Repeated breach after a PIN is material breach under Section 11, point 27; INCOIS may terminate the contract and forfeit the Performance Guarantee.

Continuing downtime. Where the equipment remains out of service beyond the resolution target, the same percentage is charged again for each further completed 24 hours of downtime, subject to the minimum at Section 8.4 and the caps at Section 8.6. Downtime is counted from the time the fault is logged in the complaint register or observed by INCOIS, whichever is earlier, until the equipment is restored to normal duty. Restoration on a standby or redundant path stops the clock at half rate until full rectification.

Counting. "The same Annexure VIII line" means the same line number, irrespective of which unit under that line failed. Breaches on different lines run independent counters. The counter resets 12 months after each breach.

8.3 Criticality classes, response and resolution targets

Every asset in Annexure VIII falls in one of three classes. The class fixes the response time, the resolution target and the minimum penalty at Section 8.4.

Class	Annexure VIII groups covered	On-site response	Resolution / restoration target
Class I Mission-critical	Group A (11 kV HT, switchgear, transformers, RTCC) · Group B (DG sets, synchronising and APFC panels) · Group C (UPS systems and battery banks) · Group D (LT main distribution panels, bus duct) · and any panel, DB or cable	1 hr in working hours; 2 hrs off-hours	Restore on the standby or redundant path within 4 hrs; full rectification within 24 hrs

	feeding the Glass Room, Tsunami Warning Room, Data Centre or HPC		
Class II Essential	Group E (sub-distribution panels by building and floor) · Group F (PDB / LDB / UPS-DB and pillar-box pools) · Group G (outdoor HT and LT power cables) · Group K (motors, pumps, gate motors, EOT crane) · Group L (earthing, earth stations and lightning protection) · Group N (solar water heater system)	4 hrs	24 hrs from attendance
Class III General	Group H (internal wiring and earthing conductors) · Group I (switches, sockets, isolators, MCBs, fans) · Group J (street, high-mast and external lighting) · Group M (telecommunication and structured cabling, passive)	8 working hrs	72 hrs from attendance

For preventive maintenance, statutory testing and record obligations, the due date in the approved annual PPM calendar (Section 7) is the resolution target. A PPM activity not closed within 7 days of its due date is a breach of the corresponding Annexure VIII line and enters the ladder at Section 8.2.

8.4 Minimum penalty per breach

Because the Contractor fixes its own Annexure VIII rates, a percentage on its own could be reduced to a trivial amount by under-quoting a critical line. The penalty for any breach is therefore the higher of the percentage at Section 8.2 or the minimum below.

Class	Minimum per breach	Minimum per further 24 hrs of continuing downtime
Class I — Mission-critical	Rs 10,000	Rs 5,000
Class II — Essential	Rs 3,000	Rs 1,500
Class III — General	Rs 500	Rs 250

These minima replace the item-by-item rupee schedule of the earlier draft. On the Class I lines — HT switchgear, transformers, DG sets and UPS systems — the percentage will normally exceed the minimum and will govern. On the smaller Class II and Class III lines the minimum will normally govern, which is intended: a failure that leaves a laboratory without light is not excused by the low CAMC value of a light fitting.

8.5 Breaches with no equipment base — flat penalties

The breaches below cannot be tied to any single Annexure VIII line and carry the flat amounts shown. They do not enter the 2 / 5 / 10 ladder, but a second occurrence of the same breach within a rolling 12 months carries twice the amount and a third carries a Performance Improvement Notice.

Breach	Penalty	First action
Mission-critical outcome breaches (immediate levy)		
Power loss to the Glass Room, Tsunami Warning Room or Data Centre on the UPS chain, attributable to the Contractor	Rs 15,000 per event + Rs 5,000 per hour beyond 30 minutes	Immediate; no cure period
Campus power availability below 99.9% in a month, excluding a TGSPDCL outage properly covered by DG	1% of that month's Part A invoice for every 0.1% shortfall	Immediate; no cure period
Safety and statutory breaches (immediate levy)		
Work on live HT or LT without authorisation or without a valid Permit to Work	Rs 10,000 per instance + removal of the person from	Immediate; no cure period

	site	
Reportable electrical accident attributable to Contractor negligence	Rs 25,000 per instance + recovery of damages (outside the caps at 8.6)	Immediate; no cure period
Statutory notice from the CEA or the Electrical Inspectorate attributable to the Contractor	Rs 10,000 + rectification at the Contractor's cost	Immediate; no cure period
Preventable damage to an INCOIS asset by negligence or wrong operation	100% of repair or replacement cost + Rs 2,000 per incident (outside the caps at 8.6)	Immediate; no cure period
Falsified logbook, test record, KPI entry or attendance record	Rs 10,000 per instance + Performance Improvement Notice	Immediate; no cure period
Manpower and mobilisation		
Resident Electrical Site Supervisor or a critical shift post absent without an approved substitute (Section 5.1)	Pro-rata deduction of the post + Rs 2,000 per day	Immediate; no cure period
Deployment of a person without completed police / antecedent verification and INCOIS clearance (Section 6.5)	Rs 5,000 per person + immediate removal from site	Immediate; no cure period
Frequent or unapproved change of deployed manpower	Rs 1,000 per person	Written notice; penalty on repeat
Mobilisation milestone delayed (Section 6.1)	Rs 2,000 per day per milestone	Written notice
Records and upkeep (written notice and cure period first)		
Delayed monthly report, logbook, KPI tracker or statutory-tracker update	Rs 500 per item	Written notice + 7-day cure
Housekeeping and upkeep of substation, panel or DG rooms below standard	Rs 500 per instance	Written notice + 48-hour cure
As-built or service drawing not updated within 7 days of a change	Rs 500 per drawing	Written notice + 7-day cure

8.6 Caps, worst-case exposure and enforcement

- **Caps.** Two ceilings apply so that a bidder can read the worst case at a glance: total penalties in any one month do not exceed **10% of that month's invoice**, and total penalties over the whole contract period do not exceed **10% of the total contract value**. Both are in line with CPWD and GFR norms. Recovery of actual asset damage, third-party damage, consequential cost and statutory shortfalls (wages, PF, ESI) sits outside these caps.
- **Enforcement.** For a first breach and for the record-and-upkeep items at Section 8.5, a Show Cause Notice gives the Contractor 3 working days to respond before any penalty is levied. For a second and later breach, and for every mission-critical, safety and statutory breach, the penalty is levied immediately. Penalties are deducted from the next monthly invoice and notified with the payment advice. A disputed penalty is to be flagged in writing within 7 days of the payment advice and, if upheld in the Contractor's favour, is refunded in the following invoice.
- **Escalation.** Reaching the monthly cap in any 2 months within a rolling 6 months, or any single mission-critical failure, triggers a Performance Improvement Notice with a 7-day corrective-action plan. Breach of the cumulative cap, abandonment of the work, or a repeated critical failure after a PIN is material breach and may lead to termination and forfeiture of the Performance Guarantee under Section 11, point 27.
- **Uniformity.** The 2 / 5 / 10 percentage ladder, the Annexure VIII basis, the criticality classes and the 10% monthly and 10% cumulative caps are fixed and uniform across all four INCOIS facility contracts — Operation & Maintenance Manpower, CAMC Electrical, CAMC HVAC and CAMC Civil & PHE.

8.7 Worked examples (illustrative only)

The figures below are illustrative and do not bind either party. They are given so that bidders price the risk correctly and to avoid pre-bid queries on the method of computation.

Situation	Computation	Penalty payable
A 250 kVA UPS (line C.1, Class I) quoted at Rs 1,20,000 per unit per year fails and is not restored within 24 hrs. First breach on line C.1 in 12 months.	2% x Rs 1,20,000 = Rs 2,400. Class I minimum is Rs 10,000, which is higher.	Rs 10,000
The same UPS line fails a third time in the same 12 months and stays down for 2 further days beyond the 24-hr target.	10% x Rs 1,20,000 = Rs 12,000 for the breach, plus Rs 12,000 for each of the 2 further completed 24-hr periods = Rs 36,000.	Rs 36,000 + PIN
A 2 MVA transformer (line A.7, Class I) quoted at Rs 3,50,000 per unit per year is out of service beyond 24 hrs. Second breach on line A.7.	5% x Rs 3,50,000 = Rs 17,500, which exceeds the Class I minimum.	Rs 17,500
Six ceiling fans (line I.8, Class III) quoted at Rs 400 each per year are not repaired within 72 hrs. First breach on line I.8.	ECV = 6 x Rs 400 = Rs 2,400. 2% = Rs 48. Class III minimum is Rs 500, which is higher.	Rs 500
Quarterly IR thermography of LT panels (Group D) not closed within 7 days of its PPM due date. First breach.	Treated as a breach of the Group D lines affected; 2% of the ECV of those lines, subject to the Class I minimum.	2% of ECV, min Rs 10,000

Bidders should note that the ladder is driven by repetition on the same equipment line, not by the total number of complaints. A Contractor that fixes a fault properly the first time will not reach the 5% or 10% steps at all.

- 9. Contents of the Bid:** The quote should be submitted in two bid format. (i) Technical Bid and (ii) Commercial Bid. Technical bid should contain filled-in Table-1 along with legible documentary proof. Commercial bid should contain filled-in Table-2.

Table 9.1: Technical Compliance Statement

S No	Description	Compliance status Yes / No	Page number of the proof attached	Remarks
1	Name of the bidder, bidder address and contact details like E Mail, Phone etc.,			
2	Full Bank Details: (Note: Bank Details provided cannot be changed during Contract, unless special request from the company)			
3	Single point of Contact Name: E-mail: Ph No.			
4	Indian legal entity (Company / LLP / Partnership / Proprietorship) with valid PAN and GSTIN. (The bidder should provide Incorporation / registration + PAN + GSTIN)			
5	Valid EPFO and ESIC registration with current contributions (ECR / challans not older than 90 days from bid due date). (The Bidder should provide Registrations + latest 3 months ECR / challans with UTR)			

S No	Description	Compliance status Yes / No	Page number of the proof attached	Remarks
6	Labour-law compliance undertaking (Annexure III). (The Bidder should Provide Signed, stamped undertaking)			
7	Non-blacklisting and integrity declaration (Annexure II). (The Bidder Should Provide Notarised affidavit / self-declaration)			
8	Average annual turnover $\geq$ ₹0.80 Crore from electrical / MEP O&M or facility-management services, in the last 3 completed FYs (2023-24, 2024-25, 2025-26). (The Bidder Should Provide CA-certified FY-wise turnover certificate + audited P&L and Balance Sheet (3 FYs)			
9	Net profit (before tax) in at least 2 of the last 3 FYs. (The Bidder Should Provide CA certificate / audited financials)			
10	Solvency / banker's certificate $\geq$ ₹0.64 Crore (Scheduled Commercial Bank, $\leq$ 6 months). (The Bidder should Provide Banker's solvency certificate)			
11	Similar work in the last 7 years: comprehensive maintenance of HT switchgear ($\geq$ 11 kV) AND transformers AND DG sets (cumulative $\geq$ 1000 kVA) AND UPS (cumulative $\geq$ 200 kVA) AND LT distribution at an institutional / multi-block / large commercial campus, in one or more eligible works, cumulatively meeting the stated capacities. One work $\geq$ ₹1.28 Cr, OR two each $\geq$ ₹0.80 Cr, OR three each $\geq$ ₹0.64 Cr. (The Bidder Should Provide Work orders + completion / client certificates (scope, value, dates) + client contacts)			
12	Valid Class-A (or higher) TSELB Electrical Contractor's Licence AND a valid 11 kV Electrical Supervisor's Certificate of Competency held by a permanent employee, both valid through the contract period. (The Bidder Should Provide Contractor's Licence + Supervisor Certificate + employment proof)			
13	OEM / OEM-authorised (ASP) tie-up for the critical equipment families (DG, UPS, HT switchgear, Transformers, LT switchgear / relays), OR a written undertaking to enter a back-to-back ASP agreement within 30 days of award. (The Bidder should Provide ASP letters / Lols, OR undertaking)			

S No	Description	Compliance status Yes / No	Page number of the proof attached	Remarks
14	Hyderabad presence of at least 1 year, OR a signed undertaking to set up a functional Hyderabad office within 15 days of award. (The Bidder Should Provide Lease + utility bill / Udyam / Shops & Establishment / Hyderabad CLRA, OR undertaking)			
15	Mandatory pre-bid site visit completed. (The Bidder Should Provide Site-visit certificate (Annexure I))			
16	EMD as in the NIT, or MSE / Startup exemption. (The Bidder should Provide DD / BG / online proof, OR Udyam / DPIIT certificate)			
17	Unconditional acceptance of the tender; signed on every page; (The Bidder should Provide Signed tender document)			
18	Compliance with the restriction under Rule 144(xi) of GFR 2017 on bidders from a country sharing a land border with India (see clause below). (The Bidder Should Provide DPIIT (Registration Committee) registration certificate, OR self-certificate that the restriction does not apply)			

10. Price Bid

10.1. Contents of the Bid

The bid is submitted in two covers on GeM. Cover-I (Technical / Techno-Commercial Bid) contains only the eligibility and technical documents, with no price. It carries the bidder's profile and bank details, the single point of contact, and the documentary proof against each of the 15 Stage-1 criteria of Section 3.1 and the Stage-2 evidence of Section 3.2, each cross-referenced to its page number in a filled compliance checklist, together with the signed and stamped tender (every page), the EMD proof or, where exempt under point 5 of Section 11, the exemption certificate together with a Bid-Securing Declaration, the TSELB licence and Supervisor certificate, the OEM / ASP letters and the ISO certificates. Offers without legible and relevant proof, or with the price disclosed in Cover-I, or that are partial / conditional / incomplete, are not considered further.

Cover-II (Price Bid) is the Bill of Quantities below, filled only on GeM in the same format as the existing tender, in two parts.

10.2. Price Bid — Bill of Quantities

Contract Period: 3 Years (36 Months), extendable by up to 2 more years on the same terms. General instructions: the bidder quotes every item (no item blank; a zero item is written as Rs 0.00); all rates are firm and fixed for the full 36 months and any extension; rates are inclusive of all costs (manpower with statutory wages, EPF, ESI, bonus, gratuity, leave, uniform, PPE; spares, consumables, transformer-oil top-up, greases, contact cleaners, terminations, lugs, MCB / RCBO / contactor / capacitor / fuse spares, battery electrolyte; calibration and statutory-testing costs; tools, instruments; overheads, insurance and profit); GST is quoted separately. Part B quantities are indicative for evaluation only and are paid on jointly measured quantity against a written instruction.

For the Part A lump-sum CAMC item, the bidder shall enclose a separate detailed item-wise cost break-up at Annexure VIII (Item-wise Electrical CAMC Price Schedule, a spreadsheet), quoting an annual unit rate against every line of the asset inventory. The Grand Total of the break-up shall reconcile with the Part A lump-sum. If the two differ, the lump-sum prevails for award, while the item-wise unit rates are binding for penalty levy on an individual

installation, for pro-rata adjustment under a scope-change order, and for addition / deletion / substitution of equipment during the contract.

Part A — Fixed Monthly CAMC Charges (Lumpsum)

Sl.	Item description	Qty	UoM	Rate (₹)	Amount(₹)
A-1	Comprehensive AMC of all Electrical Installations at the INCOIS campus per the complete equipment inventory (Annexure VI) and the scope at Section 4 — 11 kV HT yard, all HT switchgear, 11 kV/415 V transformers, LT bus duct, all LT panels (Main LT, Main MV, sub-panels), MUPDB / UPS panels, every distribution board (power, lighting, UPS), all internal mains wiring, every isolator, socket, switch and front plate, all ceiling / exhaust fans, external and street lighting, lightning protection, the complete earthing system, the Solar Water Heater System, the EOT crane and all other inventory items; deployment of the Resident Electrical Site Supervisor, per Section 5. Comprehensive: includes all spares, consumables, transformer-oil top-up, lubricants, electrical-grade chemicals, labour, tools, instruments, statutory testing and reporting. A DETAILED EQUIPMENT-WISE COST BREAK-UP SHALL BE SUBMITTED AS A SEPARATE SHEET (Annexure VIII).	36	Months		
	Sub-Total Part A (Monthly CAMC × 36 months) — excluding GST				

Part B — Item-Rate Works (one-time / rate-contracted; paid on actual execution against written instruction)

Sl.	Item description	Qty	UoM	Rate (₹)	Amount(₹)
B-1	Renewal of CEA / Electrical Inspectorate statutory approval for the entire installation (facilitation, test reports and drawings, escort during inspection, minor rectification of flagged observations; statutory fees borne by INCOIS separately).	1	LS		
B-2	BEE-empaneled energy audit of the electrical (and HVAC interface) installations — HT supply, transformer loading, capacitor health, DG / UPS efficiency, lighting power density, harmonics, power factor, with a savings report. Two audits in the contract period (Year 1 and Year 3).	2	LS		
	Sub-Total Part B (at indicative quantities)				

Price Bid Summary

Item	Amount (₹)
Part A — Fixed Monthly CAMC × 36 months (sub-total)	₹art A — Fixed
Part B — Item-rate works (sub-total at indicative quantities)	₹art B — Item-
Grand Total (Part A + Part B) — excluding GST	₹rand
GST @ 18%	₹ST @ 18%
Total bid value including GST	₹total bid valu
Grand Total in words	Rupees _____ only

The amounts must agree exactly with the sub-totals in the Part A and Part B tables. Evaluation is on the Grand Total (Part A + Part B), excluding GST. Any arithmetic discrepancy is referred to the Engineer before award; the lump-sum Part A prevails over the break-up in case of difference.

11. General terms and Conditions

Point No.	Details
1	Validity Period: Bids/Offers shall have the validity period of 120 days from the tender closing date.
2	Contract period: The CAMC is for 3 (three) years from the date of commencement, extendable by INCOIS in writing up to 2 (two) more years on the same terms, subject to satisfactory performance.
3	* Acceptance of the order by successful bidder upon AOC: Within 10 days from the date of issue of the PO/Order. If the acceptance communication is not received within 10 days, then PO would be deemed as accepted and binding to the successful bidder.
4	Payment terms: Payment is made monthly in arrears, only upon satisfactory completion of the month's services, by RTGS / NEFT to the registered account; no advance is paid. The Contractor raises the Part A invoice for the previous month accompanied by the PPM completion documents for that month as per the approved schedule (the signed PPM checklists and the OEM / ASP service reports for the critical equipment), together with the attendance / deployment record, the EPF and ESI challans, the statutory compliance certificate, the KPI tracker and the monthly performance report. Part B item-rate and one-time works are taken up only against a specific written work order or instruction of the Engineer-in-Charge issued before the work starts; no Part B item is taken up on the Contractor's own initiative. Each item is paid on its quoted Part B unit rate for the quantity actually executed, jointly measured and entered in the Measurement Book, after the prescribed testing, commissioning and acceptance of that item by the Engineer-in-Charge. Payment for a completed item is released in full on its satisfactory completion and acceptance; no advance and no separate retention are payable, the Performance Guarantee at Section 11, point 6 covering any default. A work found necessary but not in the Part B schedule is paid on a rate derived from the nearest scheduled item or on a rate negotiated and recorded in writing before execution. INCOIS releases payment within 30 days of a correct and complete invoice with all the above documents, after deduction of penalties (Section 8), statutory dues and TDS; an invoice not accompanied by the scheduled PPM documents is treated as incomplete. GST is paid extra at actuals against a valid tax invoice. Pro-rata deduction applies for any Part A service not rendered for part of a month.
5	Earnest Money Deposit (EMD): Bid Security (BS) Rs.3,19,000/- (Rupees Three Lakhs and Nineteen Thousand only) has to be submitted as per the following form/ options: Demand Draft Insurance Security Bond e-Bank Guarantee Fixed Deposit in favor of Director, INCOIS payable at Hyderabad with validity for a period of 45 days beyond the tender validity period. Online payment through NEFT/RTGS as per Bank details given below: Name of the Bank: SBI, HAL Campus Branch: HAL Campus

	Account Name: Director, INCOIS Account No.: 10442322840 IFSC Code: SBIN0001676 The scanned copy of the same is to be uploaded to the GeM Portal while submitting the tender. Bank Guarantee should be sent by the issuing banker directly to the office of INCOIS, Hyderabad. The original DDs / Financial instruments if any should reach to INCOIS within 5 working days of Bid opening, failing which the bid may be treated as incomplete and may lead to rejection of the bid by buyer without making any reference to the bidder. Start ups recognized by DPIIT and MSEs registered with Udyam / NSIC are exempted from paying EMD subject the submission of valid registration certificate for the services being tendered.
6	Performance Guarantee: Successful Bidder should submit Performance Bank Guarantee for 5% of the total CAMC contract value, valid for 38 months from the date of commencement (that is, the three-year contract period plus a claim period of 60 days), within 15 days from the date of Award of Contract. Where INCOIS extends the contract under point 2, the Contractor shall, not later than 30 days before the expiry of the subsisting guarantee, extend or replace the Performance Bank Guarantee so that it remains valid for 60 days beyond the extended contract period as per the following form/ options: Demand Draft Insurance Security Bond e-Bank Guarantee Fixed Deposit Receipt in favor of Director, INCOIS payable at Hyderabad Online payment through NEFT/RTGS as per Bank details given below: Name of the Bank: SBI, HAL Campus Branch: HAL Campus Account Name: Director, INCOIS Account No.: 10442322840 IFSC Code: SBIN0001676 Performance Guarantee is liable to be invoked in the event of Non-execution contract during validity period of the contract If the service of the successful bidder is found to be unsatisfactory and fails to adhere to our bid terms and conditions Any unilateral revision/decision made by the successful bidder during the validity period of the contract.
7	Successful bidder has to submit the Service Level Agreement in prescribed format on Indian non-judicial stamp paper worth Rs. 200/- duly signed by authorized signatory within 21 days of the acceptance of the order
8	If any loss or damage is caused to INCOIS property by workmen deployed by the successful bidder, the cost of the same will be recovered from the agency/contractor.
9	The Successful Bidder shall ensure safety and security of all workforces employed for this work and equipment provided by him under the Contract until all the works entrusted are completed in all

	respects and taken over by INCOIS. In the event of damages except under force majeure clause i.e., fire, wind, rain, floods or through any hazards, pilferage, other natural calamities etc., the Contractor shall make good the damaged works and restore the same to the original condition at his own cost
10	GST: The Successful bidder should specifically/particularly state GST if any applicable as extra and the rate at which the same is chargeable, failing which, the prices quoted, will be deemed to be inclusive of such levies. If a particular bidder is not registered under the GST Act, the prices quoted by him will be treated as net and inclusive of all taxes and statutory levies and that any future claims made by him for reimbursement of those levies on account of retrospective registration under the GST Act will under no circumstances be entertained by the INCOIS and that liability for payment of these levies will be wholly and exclusively that of the bidder quoting against our tender.
12	Force Majeure Clause: A Force Majeure (FM) means extraordinary events or circumstances beyond human control, such as an event described as an act of God (like a natural calamity) or events such as a war, strike, riots, crimes (but not including negligence or wrong-doing, predictable/seasonal rain and any other events specifically excluded in the clause). An FM clause in the contract frees both parties from contractual liability and obligation when prevented by such events from fulfilling their obligations under the contract. An FM clause does not entirely excuse a party's non-performance but only suspends it for the duration of the FM. The firm must give notice of FM within a reasonable time as the conditions permit (not later than 14 days after its occurrence), and it cannot be claimed ex-post facto. There may be an FM situation affecting the purchase organization only. In such a situation, the purchase organization is to communicate with the supplier along similar lines as above for further necessary action. If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of FM for a period exceeding 90 (ninety) days, either party may, at its option, seek to terminate the contract without any financial repercussion on either side. Notwithstanding the punitive provisions contained in the contract for delay or breach of contract, the supplier would not be liable for imposition of any such sanction so long as the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event covered in the FM clause.
13	Confidentiality, data security and IPR : All personnel maintain strict confidentiality of scientific data, network and security configurations, CCTV and access-control layouts and any information encountered on campus. Nothing is copied, photographed or disclosed without the written permission of the Director, INCOIS. A non-disclosure undertaking is signed before deployment. Any intellectual property arising vests with INCOIS. Breach is material breach and attracts action under the Information Technology Act 2000 and other law.
14	Price and price variation: Quoted rates are firm for the full contract period and any extension, inclusive of all costs except GST. The only escalation allowed is for a statutory increase in minimum wages or statutory levies, paid pro-rata on proof of actual payment to workers. No escalation on account of inflation or any other factor is admissible.
15	Statutory compliance, safety and indemnity: The Contractor is solely responsible for compliance with Code on Wages 2019, the Code on Social Security 2020, the Occupational Safety, Health and Working Conditions Code 2020, Industrial Relations Code 2020 and all other applicable central and state labor laws/rules as amended from time to time, the Minimum Wages and Payment of Wages Acts, the Payment of Bonus Act, the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023 and the applicable PESO / pollution-control norms, and all other applicable law, and maintains the logbooks, wage, attendance, ESI and PF registers for inspection.

	INCOIS is not responsible for any accident, injury or death of the Contractor's personnel; the Contractor indemnifies INCOIS against all claims under the Workmen's Compensation Act 1923 or otherwise, and holds valid insurance (Workmen's Compensation, third-party liability and all-risk for its equipment). Any damage to persons or property of INCOIS attributable to the Contractor is made good by the Contractor.
16	The Bids shall be uploaded only after signed by a duly authorized officer of the firm which is bidding for the tendered requirement, and in the case of a Corporation, seal, or otherwise appropriately executed under seal.
17	Safety, security, site and storage :INCOIS is a restricted area; personnel follow all security regulations, confine themselves to the work area and do not tamper with any user equipment. The Contractor ensures the safety and security of its workforce and equipment until takeover, and makes good any damage (except under force majeure) at its own cost. INCOIS provides storage space without furniture; the Contractor arranges its own storage, tools and instruments and stocks sufficient spares and consumables at site.
18	Before bidding, the bidder inspects the site and acquaints itself with the working conditions, access, and the general and special conditions and specifications. No misunderstanding of any condition entitles the bidder / Contractor to any compensation.
19	Acceptance of the tender rests solely with the Director, INCOIS, who does not bind himself to accept the lowest or any tender and assigns no reasons. INCOIS may cancel the tender at any stage for technical / administrative reasons, and may alter or reduce the scope before or after the work order, without any claim by the bidder.
20	INCOIS may add, delete, modify or substitute any equipment or scope during the contract, including where an existing equipment is replaced by a new one under an upgradation or modernization. Any such change is effected through a written Scope-Change Order. For an item already in the price schedule, the CAMC value is adjusted pro-rata at the item-wise annual unit rate quoted in Annexure VIII, applied on a per-month basis for the balance contract period. For new equipment or a service not covered in the schedule, the rate is fixed by mutual agreement, derived from the nearest comparable item in Annexure VIII or from prevailing CPWD / DSR / market rates and recorded in writing before the work is taken up. Deletion of an item correspondingly reduces the CAMC value on the same basis.
21	If INCOIS requires additional manpower of any category for a specific work, extended hours or a new facility, the Contractor shall provide it within a reasonable time on a written request, engaged in full compliance with the Contract Labour (Regulation and Abolition) Act, the Minimum Wages Act, the EPF and ESI Acts and all applicable labour law, and at terms and conditions mutually agreed and recorded in writing (at rates derived from the Annexure VIII item-wise break-up, or on the prevailing minimum-wage base for the category plus a documented overhead agreed in writing). INCOIS may reject or seek replacement of any person found unsuitable; all additional personnel are subject to the same police verification and INCOIS clearance before deployment.
22	Any bidder from a country which shares a land border with India shall be eligible to bid in this tender only if the bidder is registered with the Competent Authority, i.e. the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT), in terms of Department of Expenditure O.M. No. F.7/10/2021-PPD dated 23.02.2023 read with O.M. F.No. 6/18/2019-PPD dated 23.07.2020 and the amendments thereto. The bidder shall submit a certificate to this effect in the bid. If the certificate is found false, this would be a ground for immediate termination and further legal action in accordance with law.
23	Termination for default: Where the Contractor commits a material breach — including a repeated breach after a Performance Improvement Notice under Section 8, failure to deploy the minimum manpower under §5.1, breach of confidentiality under point 13, a false land-border certificate under point 22, or cumulative penalties reaching the cap in Section 8.6 — INCOIS may, after issuing 15 (fifteen) days' written notice to cure and the Contractor having failed to cure within that period, terminate the contract in whole or in part and forfeit the Performance Guarantee in full. INCOIS may

	additionally get the balance work executed at the Contractor's risk and cost and recover the excess expenditure from any sum due to the Contractor or from the Performance Guarantee. INCOIS may also terminate the contract for convenience on 90 (ninety) days' written notice, in which case the Contractor is paid for services satisfactorily rendered up to the date of termination and the Performance Guarantee is released, with no further claim on either side. Termination does not prejudice any accrued right or remedy of either party.
24	Canvassing in connection with tender is strictly prohibited and any canvassing will render the bid of such Bidders ineligible.
25	Code of Integrity and conflict of interest: The bidder and its personnel shall abide by the Code of Integrity for Public Procurement. No bidder shall offer any inducement, misrepresent facts, collude with other bidders to fix or distort competition, obstruct any INCOIS enquiry or audit, or disclose confidential procurement information. A bidder has a conflict of interest where it has a controlling shareholder, directorship or common partner in common with another bidder for this tender, receives or grants a subsidy from or to another bidder, has the same legal representative as another bidder, or has advised INCOIS on the preparation of this tender. A bidder shall disclose any such interest in its bid. Breach of the Code of Integrity or non-disclosure of a conflict of interest renders the bid liable to rejection, and after award is a material breach attracting action under point 23, forfeiture of the Bid Security or Performance Guarantee and debarment in accordance with law.
26	Dispute Resolution: (a) Any dispute or difference arising out of or in connection with this contract shall first be settled amicably by discussion between INCOIS and the Contractor, within 30 days of a written dispute notice by either party. (b) Failing amicable settlement, the dispute shall be referred to a Dispute Resolution Committee comprising representatives of INCOIS and the Contractor, chaired by an officer nominated by the Director, INCOIS, which shall Endeavour to resolve the matter within 30 days of its constitution. (c) Failing resolution under (b), the parties may by mutual written consent refer the dispute to mediation under the Mediation Act, 2023. (d) Arbitration shall not be a method of dispute resolution under this contract. Disputes not resolved through (a) to (c) shall be adjudicated by the courts at Hyderabad, Telangana, which alone shall have jurisdiction. This contract is subject to the laws of India alone.

Annexure I — Site-Visit Certificate (format)

This is to certify that Shri / Ms _____, representing M/s _____, visited the INCOIS campus on _____, inspected the electrical installations and site conditions and is acquainted with the full scope of work under tender No. INCOIS: PUR:98/2025. Signature and seal of the authorized INCOIS officer; name; designation; date.

Annexure –II Eligibility Declarations

(To be submitted as part of Technical bid)

(On Company Letter-head)

(Along with supporting documents)

Ref: Your Tender Document No. INCOIS: PUR:98/2025; Tender Title: **Comprehensive Annual Maintenance Contract (CAMC) for Electrical Infrastructure at INCOIS Campus, Hyderabad**

Bidder's Name _____

[Address and Contact Details]

Bidder's Reference No. _____ Date _____

Note: The list below is indicative only. You may attach more documents as required to confirm your eligibility criteria.]

Eligibility Declarations

(Please tick appropriate boxes or cross out any declaration not applicable to the bidder)

We hereby confirm that we comply with all the stipulations of tender document and declare as under and shall provide evidence of our continued eligibility to the Procuring Entity as may be requested:

Legal Entity of Bidder: _____

Bidder/ Agent Status: _____

We solemnly declare that we (including our affiliates or subsidiaries or constituents):

- (a) are not insolvent, in receivership, bankrupt or being wound up, not have our affairs administered by a court or a judicial officer, not have our business activities suspended and are not the subject of legal proceedings for any of these reasons;
- (b) (including our Contractors/ subcontractors for any part of the contract):
 - i) Do not stand declared ineligible/ blacklisted/ banned/ debarred by the Procuring Organisation or its Ministry/ Department from participation in its Tender Processes; and/ or
 - ii) Are not convicted (within three years preceding the last date of bid submission) or stand declared ineligible/ suspended/ blacklisted/ banned/ debarred by appropriate agencies of Government of India from participation in Tender Processes of all of its entities, for offences mentioned in Tender Document in this regard. We have neither changed our name nor created a new "Allied Firm", consequent to the above disqualifications.
- (c) Do not have any association (as bidder/ partner/ Director/ employee in any capacity) with such retired public official or near relations of such officials of Procuring Entity, as counter-indicated, in the Tender Document.
- (d) We certify that we fulfil any additional eligibility Criteria mentioned prescribed in Tender Document.
- (e) We have no conflict of interest, which substantially affects fair competition. The prices quoted are competitive and without adopting any unfair/ unethical/ anti-competitive means. No attempt has been made or shall be made by us to induce any other bidder to submit or not to submit an offer to restrict competition.

Restrictions on procurement from bidders from a country or countries, or a class of countries under Rule 144 (xi) of the General Financial Rules 2017:

"We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries, and solemnly certify that we fulfil all requirements in this regard and are eligible to be considered. We certify that:

we are not from such a country or, if from such a country, we are registered with the Competent Authority (copy enclosed). and;

we shall not subcontract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.

MSME Status:

Having read and understood the Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 (as amended and revised till date), and solemnly declare the following:

- a) We are - Micro/ Small/ Medium Enterprise/ SSI/ Govt. Deptt. /PSU/ Others:.....
- b) We attach herewith, Udyam Registration Certificate with the Udyam Registration Number as proof of our being MSE registered on the Udyam Registration Portal. The certificate is the latest up to the deadline for submission of the bid.
- c) Whether Proprietor/ Partner belongs to SC/ ST or Women category. (Please specify names and percentage of shares held by SC/ ST Partners):.....

Start-up Status

we confirm that we are/ are not a Start-up entity as per the definition of the Department of Promotion of Industrial and Internal Trade – DPIIT.

Make in India Status:

Having read and understood the Public Procurement (Preference to Make in India PPP - MII) Order, 2017 (as amended and revised till date) and related notifications from the relevant Nodal Ministry/ Department, and solemnly declare the following:

a) Self-Certification for the category of suppliers:

(Provide a certificate from statutory auditors/ cost accountant in case of Tenders above Rs 10 Crore for Class-I or Class-II Local Suppliers).Details of local content and location(s) at which value addition is made are as follows:

Local Content and %age

Location(s) of value addition

Therefore, we certify that we qualify for the following category of the supplier (tick the appropriate category):

- ☐ Class-I Local Supplier/
- ☐ Class-II Local Supplier/
- ☐ Non-Local Supplier.

b) We also declare that.

- ☐ There is no country whose bidders have been notified as ineligible on a reciprocal basis under this order for the offered Services, or
- ☐ We do not belong to any Country whose bidders are notified as ineligible on a reciprocal basis under this order for the offered Services.

Penalties for false or misleading declarations:

We hereby confirm that the particulars given above are factually correct and nothing is concealed and undertake to advise any future changes to the above details. We understand that any wrong or misleading self-declaration would violate the Code of Integrity and attract penalties as mentioned in this Tender Document.

.....
(Signature with date)

.....
(Name and designation)

Duly authorized to sign bid for and on behalf of

.....
.....

[name & address of Bidder and seal of company]

Annexure III — Labor-Law Compliance Undertaking (format)

Along with the above forms the Bidder has to attach the following Annexure without fail with the technical bid .

We, M/s _____, undertake to comply at all times during the contract period with

- a) Code on Wages 2019,
- b) Code on Social Security 2020,
- c) Occupational Safety, Health and Working Conditions Code 2020,
- d) Industrial Relations Code 2020

and all other applicable central and state labor laws/rules as amended from time to time. We confirm that we employ no child or forced labor, and shall maintain all statutory registers to produce them on demand.

Date:

Signature, Name, Designation, and Seal.

Annexure IV — Escalation Matrix (format)

Level	Name & designation	Mobile / e-mail	Response time
Level 1 — Site	Resident Electrical Site Supervisor	_____	Immediate / 1 hr
Level 2 — Supervisory	Project Manager / Area Manager	_____	Within 2 hrs
Level 3 — Management	Head of Operations / Director (firm)	_____	Within 4 hrs

Annexure V — Equipment-wise Scope and Exclusion Matrix

This matrix states, for each equipment family, what is included in this CAMC and the boundary with the sister contracts. It is read with Section 4 and the inventory at Annexure VI.

Equipment family	In-scope maintenance	Exclusion / boundary
HT switchgear & transformers	Servicing, testing, oil management, relay calibration, thermography, statutory testing	Nil (fully in scope)
DG sets, AMF, APFC	Engine / alternator service, AMF / synchronising, test runs, APFC	Daily DG starting / operation by Operations manpower
UPS & battery banks	Servicing, testing, cell replacement up to 5%/yr	Bulk battery-bank supply by INCOIS and replacement by CAMC vendor.
LT panels, MCCs, DBs	Servicing, thermography, breaker / relay testing, component replacement	HVAC panels & VFDs = HVAC CAMC
Wiring, lighting, sockets, fans	Lamp / driver / fitting / socket / switch / fan upkeep & replacement	Bulk fixture supply by INCOIS and installation by operation contractor.
Earthing & lightning protection	Resistance testing, tightening, continuity, rectification	Civil / structural part of masts by INCOIS
Pumps with panel & fire electrical panel	Motor, panel and control wiring	(fully in scope)
Street / external / SWH	Fittings, poles, high-mast gear, SWH	Nil (fully in scope) O&M of Rooftop solar PV plant = Cleanmax (RESCO PPA)

Annexure VI — Complete Electrical Equipment Inventory

This is the as-known inventory on the date of bid issue, grouped A to M (and the Solar Water Heater System). The bidder verifies every line during the mandatory pre-bid site visit; a joint as-found inventory signed at takeover supersedes this list. No claim arising from a variation in count, capacity, make or location is entertained after bid submission.

Sl.	Equipment description	Make / Model	Qty	UoM	Location
Group A — HT (11 kV) Power Receipt & Transformation					
A.1	11 kV VCB with Control Panels	Stelmec Limited	2	Nos.	Main Electrical Substation
A.2	11 kV CT & PT Unit	Approved make	1	Set	Main Electrical Substation
A.3	Outdoor 3-board HT Panel	Approved make	1	Nos.	Main Electrical Substation
A.4	11 kV, 4-Panel Switchboard	Approved make	1	Nos.	Main Electrical Substation
A.5	11 kV, 5-Panel Switchboard	Approved make	1	Nos.	ITCO Substation
A.6	11 kV AB Switch (TGSPDCL) with HT cable end kits	Approved make	1	Set	Quarters Substation, near OHT
A.7	Transformer, 2 MVA, 11 kV/415 V	PETE	2	Nos.	Main Electrical Substation
A.8	Transformer, 315 kVA, 11 kV/433 V	Approved make	1	Nos.	Residential Quarters Substation
A.9	Dry-Type Transformer, 1000 kVA	Volt-Amp	2	Nos.	Main Electrical Substation
A.10	RTCC Panel for transformers	Approved make	4	Nos.	Main + ITCO Substations
Group B — Standby Power: DG Sets, Synchronisation & APFC					
B.1	DG Set, 600 kVA	Cummins VTA-28-G3-I	2	Nos.	Main Electrical Substation
B.2	DG Set, 500 kVA	Cummins KTAA-19-G10	2	Nos.	ITCO Electrical Substation
B.3	DG Set, 320 kVA	Cummins NTA-855-G2-BC	2	Nos.	Main Electrical Substation
B.4	DG Set, 160 kVA	Cummins 6BTAA5.9-G5	1	Nos.	Quarters Substation
B.5	DG Synchronisation Panel for 2 × 320 kVA + 2 × 600 kVA	Approved make	1	Nos.	Main Electrical Substation
B.6	DG Synchronisation Panel for 2 × 500 kVA	Approved make	1	Nos.	ITCO Electrical Substation
B.7	DG Panel for Quarters DG	Approved make	1	Nos.	Quarters Substation
B.8	APFC Panel, 330 kVAR	Approved make	2	Nos.	Main Electrical Substation
B.9	APFC Panel, 325 kVAR	Approved make	2	Nos.	ITCO Electrical Substation
B.10	APFC Panel (Quarters)	Approved make	1	Nos.	Residential Quarters Substation
Group C — UPS Systems & Battery Charger Banks					
C.1	UPS System, 250 kVA	Approved make	2	Nos.	TEWC / HPC areas
C.2	UPS System, 120 kVA	Approved	4	Nos.	Main Building + ITCO

		make			
C.3	UPS System, 80 kVA	Approved make	2	Nos.	Main Building
C.4	UPS System, 40 kVA	Approved make	2	Nos.	Oceansat-2 / Amenity
C.5	UPS System, 20 kVA	Approved make	2	Nos.	Guest House / Amenity
C.6	Battery Charger with bank, 12 V – 100 Ah, 4 × SMF	Approved make	1	Set	ITCO Electrical Substation
C.7	Battery Charger with bank, 12 V – 65 Ah, 2 × SMF	Approved make	1	Set	Main Electrical Substation
C.8	Battery Charger with bank, 12 V – 42 Ah, 2 × SMF	Approved make	1	Set	Main Electrical Substation
C.9	Battery Charger with bank, 12 V – 42 Ah, 2 × SMF	Approved make	1	Set	11 kV HT Yard, near OHT
Group D — LT Main Distribution Panels — Substations					
D.1	Main MV Panel-1	Approved make	1	Nos.	Main Electrical Substation
D.2	Main LT Panel-2	Approved make	1	Nos.	Main Electrical Substation
D.3	Station Auxiliary Panel	Approved make	1	Nos.	Main Electrical Substation
D.4	Main LT Panel	Approved make	1	Nos.	ITCO Electrical Substation
D.5	Main LT Panel	Approved make	1	Nos.	Residential Quarters Substation
D.6	Main LT Power Distribution Board	Approved make	4	Nos.	All substations (overall pool)
D.7	LT Bus Duct	Approved make	64	RMt	Main Electrical Substation
Group E — Sub-Distribution Panels — by Building & Floor					
E-1 Main Building — G/F Electrical Room					
E.1	MU PDB-1 Panel (UPS)	Approved make	1	Nos.	G/F Main Building
E.2	MU PDB-2 Panel (UPS)	Approved make	1	Nos.	G/F Main Building
E.3	Main Power Switch Board Panel	Approved make	1	Nos.	G/F Main Building
E.4	Main Lighting Switch Board Panel	Approved make	1	Nos.	G/F Main Building
E.5	UPS Panel-1 / HPC New System	Approved make	1	Nos.	G/F Main Building
E.6	UPS Panel-2 / HPC New System	Approved make	1	Nos.	G/F Main Building
E.7	UPS Channel Panel-1A / HPC New System	Approved make	1	Nos.	Glass Room Data Centre, G/F
E.8	UPS Channel Panel-2A / HPC New System	Approved make	1	Nos.	Glass Room Data Centre, G/F
E.9	Main LT Panel-1	Approved make	1	Nos.	TEWC Electrical Room, G/F
E.10	Main LT Panel-2	Approved make	1	Nos.	TEWC Electrical Room, G/F
E.11	6 kVA Single-Phase STS Switches	Emerson	4	Nos.	TEWC Electrical Room, G/F
E.12	UPS Power DB-1	Approved make	1	Nos.	TEWC Electrical Room, G/F

E.13	UPS Power DB-2	Approved make	1	Nos.	TEWC Electrical Room, G/F
E-2 Main Building — F/F Electrical Room					
E.14	UPS Panel-21A	Approved make	1	Nos.	F/F Main Building
E.15	MPSB-21 Panel	Approved make	1	Nos.	F/F Main Building
E.16	MLSB-26 Panel	Approved make	1	Nos.	F/F Main Building
E-3 Oceansat-2 Building					
E.17	Main UPS Input & Output Panel	Approved make	1	Nos.	Oceansat-2 Building
E.18	Antenna Panel	Approved make	1	Nos.	Oceansat-2 Building
E-4 Amenity Building					
E.19	LT Panel SSB-A	Approved make	1	Nos.	G/F Amenity Building
E.20	UPS DB — 160 A MCCB IN; 32 A TP × 3 + 20 A SP × 3 OUT	Approved make	1	Nos.	G/F Amenity Building
E.21	UPS DB — 32 A 4P MCB IN; 10 A SP × 12 OUT	Approved make	1	Nos.	G/F Amenity Building
E.22	SSB-28 Panel	Approved make	1	Nos.	F/F Amenity Building
E-5 Guest House (ITCO)					
E.23	Main LT Panel-25	Approved make	1	Nos.	G/F Guest House
E.24	MPDB-G1 Panel	Approved make	1	Nos.	G/F Guest House
E.25	MLDB-G2 Panel	Approved make	1	Nos.	G/F Guest House
E.26	MPDB-F1 Panel	Approved make	1	Nos.	F/F Guest House
E.27	MLDB-F2 Panel	Approved make	1	Nos.	F/F Guest House
E.28	MPDB-S1 Panel	Approved make	1	Nos.	S/F Guest House
E.29	MLDB-S2 Panel	Approved make	1	Nos.	S/F Guest House
E-6 MP Hall					
E.30	Main Panel	Approved make	1	Nos.	MP Hall
E-7 ITCO Academic Block					
E.31	Academic Block Main Panel	Approved make	1	Nos.	G/F Academic Block, ITCO
E.32	UPS Outgoing Panel	Approved make	1	Nos.	G/F Academic Block, ITCO
E.33	Power Panel — G/F	Approved make	1	Nos.	G/F Academic Block, ITCO
E.34	Lighting Panel — G/F	Approved make	1	Nos.	G/F Academic Block, ITCO
E.35	Power Panel — F/F	Approved make	1	Nos.	F/F Academic Block, ITCO
E.36	Lighting Panel — F/F	Approved make	1	Nos.	F/F Academic Block, ITCO
E-8 ITCO Hostel Block					
E.37	Hostel Block Main Panel	Approved	1	Nos.	Cellar, Hostel Block, ITCO

		make			
E.38	1-Phase kWh Meter Panel	Approved make	1	Nos.	Cellar, Hostel Block, ITCO
E.39	3-Phase kWh Meter Panel	Approved make	1	Nos.	Cellar, Hostel Block, ITCO
E-9 Pump Houses & STP — Electrical Side					
E.40	Pump Panel	Approved make	1	Nos.	Pump House, Main Campus, INCOIS
E.41	Main Pump Panel	Approved make	1	Nos.	Pump House, Main Campus, INCOIS
E.42	Fire Pump Control Panel	Approved make	1	Nos.	Fire Pump House, ITCO
E.43	Main PCC Panel	Approved make	1	Nos.	Old STP Building, Main Campus
Group F — General Distribution Board Pools (PDB / LDB / UPS DB / Pillar Boxes / Quarters)					
F.1	EB Metering Panel — Residential Quarters	Approved make	5	Nos.	Residential Quarters
F.2	Common Panel — Residential Quarters	Approved make	5	Nos.	Residential Quarters
F.3	3-Phase / 1-Phase Power Distribution Board (PDB)	Approved make	47	Nos.	All buildings, campus-wide
F.4	3-Phase / 1-Phase Lighting Distribution Board (LDB)	Approved make	44	Nos.	All buildings, campus-wide
F.5	3-Phase / 1-Phase UPS Distribution Board (UPS DB)	Approved make	40	Nos.	All buildings, campus-wide
F.6	3-Phase Pillar Box Panel (street light feed)	Approved make	4	Nos.	Main Campus, INCOIS
F.7	Street Lights Panel	Approved make	1	Nos.	Near Circle, ITCO
Group G — HT & LT Power Cables — Outdoor					
G.1	11 kV, 3C × 300 sq.mm XLPE Al Armoured Cable	Approved make	320	RMt	HT distribution route
G.2	11 kV, 3C × 240 sq.mm XLPE Al Armoured Cable	Approved make	1878	RMt	HT distribution route
G.3	11 kV, 3C × 95 sq.mm XLPE Al Armoured Cable	Approved make	200	RMt	HT distribution route
G.4	LT, 3.5C × 400 sq.mm XLPE Al Armoured Cable	Approved make	110	RMt	LT distribution
G.5	LT, 3.5C × 300 sq.mm XLPE Al Armoured Cable	Approved make	2000	RMt	LT distribution
G.6	LT, 3.5C × 240 sq.mm XLPE Al Armoured Cable	Approved make	2840	RMt	LT distribution
G.7	LT, 3.5C × 185 sq.mm XLPE Al Armoured Cable	Approved make	1890	RMt	LT distribution
G.8	LT, 3.5C × 150 sq.mm XLPE Al Armoured Cable	Approved make	300	RMt	LT distribution
G.9	LT, 3.5C × 120 sq.mm XLPE Al Armoured Cable	Approved make	300	RMt	LT distribution
G.10	LT, 3.5C × 70 sq.mm XLPE Al Armoured Cable	Approved make	700	RMt	LT distribution
G.11	LT, 3.5C × 25 sq.mm XLPE Al Armoured Cable	Approved make	3600	RMt	LT distribution
G.12	LT, 3.5C × 10 sq.mm XLPE Al Armoured Cable	Approved make	850	RMt	LT distribution
G.13	1C × 120 sq.mm PVC Cu Flexible Cable	Approved make	750	RMt	UPS / earthing route

Group H — Internal Wiring & Earthing Conductors					
H.1	3C × 2.5 / 1.5 sq.mm Copper-conductor Wiring	Approved make	3400	RMt	Internal — all buildings
H.2	3C × 4 sq.mm Cable	Approved make	1350	RMt	Internal — all buildings
H.3	3C × 16 sq.mm Cable	Approved make	1100	RMt	Internal — all buildings
H.4	4C × 2.5 sq.mm Control Cable	Approved make	270	RMt	Panel inter-wiring
H.5	2C × 1.5 sq.mm Armoured Cable	Approved make	350	RMt	Field wiring
H.6	Mains Wiring to 32 A / 63 A DBs — FRLS PVC Cu	Approved make	1850	RMt	DB feeders
H.7	Wiring for Socket Points	Approved make	15000	RMt	Internal — all buildings
H.8	Wiring for Light & Fan Points	Approved make	30000	RMt	Internal — all buildings
H.9	Concealed Conduit Wiring for Power & Lighting	Approved make	10000	RMt	Internal — all buildings
H.10	1C × 120 sq.mm Neutral Earthing Cable — PVC Cu flexible	Approved make	100	RMt	UPS earthing
H.11	50 × 6 mm GI Flat — Main Earth Grid & Equipment Earthing	Approved make	800	RMt	Earth grid
H.12	25 × 6 mm GI Flat — Panel & Secondary Earthing	Approved make	500	RMt	Earth grid
H.13	14 / 8 SWG GI Wire — Equipment Earthing	Approved make	2250	RMt	Equipment earthing
Group I — Final Switchgear, Wiring Accessories & Fans					
I.1	Switches, 6 A / 16 A / 20 A	Approved make	1200	Nos.	Campus-wide
I.2	Socket Outlets, 6 A / 16 A	Approved make	500	Nos.	Campus-wide
I.3	Socket Outlets, 5 A	Approved make	500	Nos.	Campus-wide
I.4	Isolators, 32 A / 63 A / 500 A TPN — metallic enclosure	Approved make	10	Nos.	Campus-wide
I.5	MCB breakers (assorted ratings, 6 A – 63 A)	Approved make	50	Nos.	Campus-wide
I.6	Fuses & Circuit-Protection Devices	Approved make	50	Nos.	Campus-wide
I.7	Exhaust Fans, 305 mm	Approved make	80	Nos.	Campus-wide
I.8	Ceiling Fans, 1200 mm sweep	Approved make	150	Nos.	Campus-wide
I.9	Wall-Mounted Fans	Havells / Crompton	6	Nos.	Campus-wide
I.10	Pedestal Fans	Usha / Greaves / Havells / Polycab / Anchor / Crompton	15	Nos.	Campus-wide
Group J — Outdoor Lighting — Street Lights & High Mast					
J.1	High-Mast Street-Light Pole	Approved	1	Nos.	ITCO Campus

	with Control Panel	make			
J.2	Street Light Pole, 35 W LED	Approved make	51	Nos.	ITCO Campus
J.3	Street Light Pole, 70 W LED	Approved make	45	Nos.	Main Campus, INCOIS
J.4	Street Light Pole, 35 W LED	Approved make	40	Nos.	Residential Quarters
Group K — Motors, Pumps, Gate Motors & EOT Crane					
K.1	Single-Phase Gate Motor — Main Gate	Roger	2	Nos.	Main Gate
K.2	Single-Phase Gate Motor, 500 W — Rear Gate	FAAC 741-S / ENCODER	1	Nos.	Rear Gate
K.3	3-Phase Pump-Set Motor, 10 HP	Kirloskar KS-1012+	1	Nos.	Pump House, Main Campus
K.4	3-Phase Pump-Set Motor, 5 HP	Kirloskar KDS-538+	4	Nos.	Pump House, Main Campus
K.5	3-Phase Pump-Set Motor, 2 HP	Approved make	1	Nos.	Pump House, Main Campus
K.6	3-Phase Open-Well Submersible Pump Motor, 3 / 5 HP	Approved make	4	Nos.	Fire Pump House, ITCO
K.7	3-Phase Pump Motor, 7.5 HP — Gardening (new STP)	Kirloskar	1	Nos.	New STP Building, ITCO
K.8	EOT Crane, 1 TON	Approved make	1	Nos.	Glider Lab, ITCO
Group L — Earthing, Grounding & Lightning Protection					
L.1	Lightning Arrestor	Erico	3	Nos.	Main Campus, INCOIS
L.2	Advanced Lightning Arrestor (ESE type)	Schirtec-ESE	3	Nos.	ITCO Campus
L.3	Maintenance-Free Earth Electrodes, 2.5 m long	Approved make	208	Nos.	Campus-wide earth grid
L.4	GI Pipe Earth Station with 2.5 m × 38 mm GI pipe	Approved make	50	Nos.	Campus-wide earth grid
L.5	Copper Plate Earth Station, 600 × 600 × 3.15 mm	Approved make	8	Nos.	Campus-wide earth grid
L.6	Coil Earthing — Street Lights	Approved make	70	Nos.	Street-light circuits
L.7	Earth Bus & Conductors — Copper flat with crimping	Approved make	2230	RMt	All substations & rooms
L.8	Earth Link, 300 × 25 × 2 mm — Copper	Approved make	4	Nos.	Earth bus terminations
L.9	100 mm PVC Pipe Sleeves — earth conductor protection	Approved make	220	RMt	Earth route
L.10	150 mm Heavy-Duty Hume Pipes — earth conductor protection	Approved make	70	RMt	Earth route, road crossings
Group M — Telecommunication & Structured Cabling (Passive)					
M.1	Main Distribution Frame (MDF) — CRCA with Krone connectors	Approved make	1	Nos.	Main Building MDF Room
M.2	Sub Distribution Frame (SDF) — CRCA with Krone connectors	Approved make	8	Nos.	Floor/Building SDF rooms
M.3	25-Pair Telephone Cable — MDF to SDF	Approved make	950	RMt	MDF–SDF backbone
M.4	2-Pair ATC Cable — in conduit/floor trunking	Approved make	500	RMt	To junction boxes
M.5	CAT-5E UTP Cable, 4-pair —	Approved	8000	RMt	Structured cabling

	conduit/floor trunking	make			
M.6	Fiber-Optic Cable — Main Building to Amenity	Approved make	500	RMt	Inter-building backbone
M.7	24-Port Patch Panel	Approved make	1	Nos.	MDF
M.8	48-Port Patch Panel	Approved make	7	Nos.	MDF / SDFs
M.9	RJ-11 Telephone Sockets	Approved make	520	Nos.	Campus-wide
Group N — Solar Water Heater System					
N.1	Solar Water Heater System — collectors, storage tank, circulation pump, hot-water piping and controls	OEM as installed	1	Set	Guest House / Hostel block roof

Annexure VII — Preventive Maintenance (PPM) Checklists

The Contractor delivers the planned preventive-maintenance regime below, against the approved annual PPM calendar. Acceptance is pass / fail: where met, mark the item; where not, record the action taken and the date of closure.

Preventive maintenance of the critical equipment — DG sets, UPS systems, and HT switchgear and transformers — is carried out by the OEM or an OEM-authorised service provider (ASP) at the periodicity shown (monthly basis for DG, UPS and quarterly basis for HT / transformer servicing) and the jointly-signed OEM / ASP service report is submitted with the monthly invoice. This OEM / ASP attendance is included in the Part A lump-sum.

VII-A Daily

Activity	Acceptance criteria (pass / fail)	Responsibility (Agency)
HT yard / substation round — VCB, transformer, bushings, arrestor, oil-leak, abnormal noise / smell / smoke	No leak, smoke or abnormal noise; lightning-counter logged; anomaly reported within 15 min	Contractor (Technician)
Verify the operations logbooks — HT, transformer, DG, UPS daily readings within band	Within design band; deviations flagged in writing	Contractor (Supervisor)
DG sets — fuel, lube-oil, coolant levels; battery DC; control-panel alarms; air-intake	Day-tank $\geq 50\%$; oil / coolant above min; battery 24-27 V; no alarm	Contractor (Technician)
UPS — input / output voltage, load %, battery DC float, mode, alarms	Online mode; load within rating; float per OEM; no alarm	Contractor (Technician)
APFC — power factor, capacitor-stage cycling, alarms	PF ≥ 0.95 ; stages cycling; no alarm	Contractor (Technician)
Earthing visual — earth bus / bonds at panels; SPD indicator	All bonds intact; SPD green	Contractor (Technician)
Panel / DG / UPS room housekeeping and access; attend complaints within SLA	Rooms clean, dry, access clear; complaints within SLA	Contractor (Supervisor)

VII-B Weekly

Activity	Acceptance criteria (pass / fail)	Responsibility (Agency)
DG sets — 30-minute no-load test run; record oil pressure, coolant temp, vibration, exhaust	Run completed; parameters within OEM spec; logbook signed	Contractor (Technician) + INCOIS witness
UPS — battery cabinet temperature, inter-row voltage, terminal corrosion	Ambient within OEM spec; row variation ≤ 0.2 V; no corrosion	Contractor (Technician)
LT panels — thermography / hand-feel on accessible joints; indicator and load check	No hotspot or abnormal heat; hotspots logged and actioned	Contractor (Technician)
DG fuel pre-filter water-trap drain; fuel sample	Water drained; clean fuel sample	Contractor (Technician)
Earth-pit and substation earth-bus visual; covers and date-paint	Covers intact; no corrosion / loose bolt	Contractor (Technician)
Gate motors (K.1, K.2) — operational open/close cycle; limit-switch and obstruction-sensor check; visual check of motor enclosure and control box	Both gates open/close fully; limit switches trip correctly; no abnormal noise or grinding	Contractor (Technician)
EOT crane (K.8) — operational hoist and travel check; end-stop limit-switch trip; pendant-control buttons; visual festoon cable check	Hoist and travel operate; limit switches trip; controls responsive; no frayed festoon cable	Contractor (Technician)

VII-C Monthly

Activity	Acceptance criteria (pass / fail)	Responsibility (Agency)
OEM / ASP preventive maintenance of DG sets, UPS systems and HT switchgear / transformers	Carried out monthly per the OEM checklist; jointly-signed OEM / ASP service report submitted with the monthly invoice	OEM / ASP
Transformer — breather recharge / silica; marshalling-box; bushing cleaning	Active silica; clean bushings; no tracking	OEM / ASP
DG — full monthly service per OEM (belts, hoses, connections, battery, alternator)	All within OEM spec; defects rectified	OEM / ASP
UPS — event-log download and review; fan and capacitor condition	Logs reviewed; no derating; fans healthy	OEM / ASP
LT side — replace defective MCBs / RCBOs / sockets / switches / front plates	Same-day in critical areas; within 48 hrs otherwise	Contractor (Technician)
Lighting patrol — replace failed lamps / drivers; emergency and exit-fitting battery test	Critical areas within 24 hrs; others within 7 days; emergency lights pass	Contractor (Technician)
Street / external lighting — fitting check; photocell / timer auto on-off (lamps supplied by INCOIS)	All operating; auto on-off verified	Contractor (Technician)
Gate motors (K.1, K.2) — lubrication of drive mechanism and chain/belt; control-panel fuse and terminal check; wiring condition	Lubrication done; fuses healthy; no loose terminals; wiring intact	Contractor (Technician)
Structured cabling / MDF / SDFs (Group M) — visual inspection of MDF and SDF enclosures; check for loose or unpatched leads; label condition	No exposed conductors; patch leads seated; labels legible	Contractor (Technician)

VII-D Quarterly

Activity	Acceptance criteria (pass / fail)	Responsibility (Agency)
IR thermography of all HT and LT joints, panels and terminations; register and trend	No hotspot above threshold; all logged	Contractor (Supervisor)
Switch-boxes / DBs — open (sample), tighten, dust-clean, verify no exposed conductor	No loose / exposed conductor; tightened	Contractor (Technician)
DG quarterly service per OEM hours; AMF / synchronising functional check	Service done; AMF / synchro healthy	OEM / ASP
Battery banks — impedance / inter-cell checks	Within OEM band; weak cells flagged	OEM / ASP
EOT crane (K.8) — insulation-resistance test of motor windings and festoon cable; check of brake coil resistance and limit-switch contacts	IR > 1 MΩ (windings and festoon); brake coil within spec; contacts clean with no pitting	Contractor (Technician)
Structured cabling (Group M) — dust-clean MDF and SDF enclosures and Krone termination blocks; verify patch-panel port labels	Enclosures clean; all labels correct and legible	Contractor (Technician)

VII-E Half-Yearly

Activity	Acceptance criteria (pass / fail)	Responsibility (Agency)
Protection relays — secondary-injection testing and calibration; record settings	Relays operate within tolerance; settings recorded	OEM / ASP
HT switchgear — contact-resistance and breaker-timing checks	Within OEM limits	OEM / ASP
Transformer oil — BDV; DGA where due; IR / polarisation index	BDV and IR within IS limits; DGA reviewed	OEM / ASP / lab
UPS — battery capacity / discharge check (N+1 maintained)	Capacity within OEM threshold	OEM / ASP
Full earth-resistance test of all pits; earth-grid continuity	All pits within threshold; recorded per pit	Contractor (Technician)
Earth-pit records — paint the pit number, last-tested resistance value and date of test on each pit cover; update the pit-wise master register	Every pit legibly marked with value and date; register current	Contractor (Technician)
Structured cabling / MDF / SDFs (Group M) — bi-annual deep cleaning of MDF and all SDF enclosures; visual check of all cable trays and conduits for physical damage, unsecured routing or kinks; verify earthing of MDF / SDF enclosures	Enclosures clean; cable trays and conduits undamaged and properly secured; enclosure earthing intact	Contractor (Technician)

VII-F Annual / Statutory

Activity	Acceptance criteria (pass / fail)	Responsibility (Agency)
ACB / MCCB servicing and testing; busbar tightening and IR	All operate; IR within limits	OEM / ASP
DG annual major service and load-bank test	Takes full load; parameters within OEM spec	OEM / ASP
Transformer — tan-delta; comprehensive oil analysis; OLTC servicing	Within IS limits; OLTC healthy	OEM / ASP
Lightning-protection — down-conductor continuity and earth-termination test	Continuity confirmed; earth within threshold	Contractor (Technician)
Internal circuits — IR test of street-light and major circuits; isolator operational test	IR within limits; isolators operate	Contractor (Technician)
CEA / Electrical Inspectorate statutory testing and approval renewal (Part B item B-1)	Approval renewed; observations closed in time	Contractor (Supervisor) + Inspectorate
Solar Water Heater System — collector cleaning, anode / tank check, circulation pump and controls	System delivering hot water to design; no leak; controls functional	Contractor (Technician)
Gate motors (K.1, K.2) — annual lubrication of all drive mechanism components; insulation-resistance test of motor windings; limit-switch travel adjustment; control-box terminal tightening	IR > 1 MΩ; lubrication done; limit switches correctly set; no loose terminals	Contractor (Technician)
EOT crane (K.8) — annual electrical inspection per IS 3177 / IS 13834: IR	All IR values > 1 MΩ; emergency stop and all limit switches function correctly; crane	Contractor (Supervisor)

test of motor windings, festoon cable and crane panel; functional test of all limit switches, emergency stop, brake coil and pendant controls; check of earthing continuity of crane structure	earth continuity confirmed; inspection report signed	
Structured cabling (Group M) — annual continuity and link-performance test of a 20% sample of CAT-5E and telephone-cable runs (TDR / loop-resistance); inspection and cleaning of fibre-optic termination boxes; label verification of all outlets, patch panels and termination blocks; repair or re-termination of any faulty passive connector found	Sample links pass continuity; fibre termination boxes clean and undamaged; all labels correct; faults rectified within 7 days	Contractor (Technician)

Annexure VIII — Item-wise Electrical CAMC Price Schedule (Part A break-up)

This schedule is the detailed item-wise break-up supporting the Part A lump-sum of the Price Bid (Section 9). The bidder quotes an all-inclusive annual CAMC unit rate against every line; the amount is Qty × rate; GST is added at the applicable rate. The Grand Total reconciles with the Part A lump-sum; if the two differ, the lump-sum prevails for award, while these unit rates bind for penalty levy on an individual installation, pro-rata scope-change adjustment, and addition / deletion / substitution of equipment. Any line left blank, zero or marked NA renders the bid non-responsive. Two further lines are added below, for the Resident Engineer and site supervision deployed under Section 5 and for any other work necessary for the satisfactory completion of the work, so that this break-up reflects the full cost basis of the Part Alump-sum.

Sl.	Equipment description	Qty	UoM	Annual unit rate (₹)	Amount (₹)	GST %	Amount incl. GST (₹)
Group A — HT (11 kV) Power Receipt & Transformation							
A.1	11 kV VCB with Control Panels	2	Nos.			18%	
A.2	11 kV CT & PT Unit	1	Set			18%	
A.3	Outdoor 3-board HT Panel	1	Nos.			18%	
A.4	11 kV, 4-Panel Switchboard	1	Nos.			18%	
A.5	11 kV, 5-Panel Switchboard	1	Nos.			18%	
A.6	11 kV AB Switch (TGSPDCL) with HT cable end kits	1	Set			18%	
A.7	Transformer, 2 MVA, 11 kV/415 V	2	Nos.			18%	
A.8	Transformer, 315 kVA, 11 kV/433 V	1	Nos.			18%	
A.9	Dry-Type Transformer, 1000 kVA	2	Nos.			18%	
A.10	RTCC Panel for transformers	4	Nos.			18%	
	Sub-total — Group A				₹ _____		₹ _____
Group B — Standby Power: DG Sets, Synchronisation& APFC							
B.1	DG Set, 600 kVA	2	Nos.			18%	
B.2	DG Set, 500 kVA	2	Nos.			18%	
B.3	DG Set, 320 kVA	2	Nos.			18%	
B.4	DG Set, 160 kVA	1	Nos.			18%	
B.5	DG Synchronisation Panel for 2 × 320 kVA + 2 × 600 kVA	1	Nos.			18%	
B.6	DG Synchronisation Panel for 2 × 500 kVA	1	Nos.			18%	

B.7	DG Panel for Quarters DG	1	Nos.			18%	
B.8	APFC Panel, 330 kVAR	2	Nos.			18%	
B.9	APFC Panel, 325 kVAR	2	Nos.			18%	
B.10	APFC Panel (Quarters)	1	Nos.			18%	
	Sub-total — Group B				₹ _____		₹ _____
Group C — UPS Systems & Battery Charger Banks							
C.1	UPS System, 250 kVA	2	Nos.			18%	
C.2	UPS System, 120 kVA	4	Nos.			18%	
C.3	UPS System, 80 kVA	2	Nos.			18%	
C.4	UPS System, 40 kVA	2	Nos.			18%	
C.5	UPS System, 20 kVA	2	Nos.			18%	
C.6	Battery Charger with bank, 12 V – 100 Ah, 4 × SMF	1	Set			18%	
C.7	Battery Charger with bank, 12 V – 65 Ah, 2 × SMF	1	Set			18%	
C.8	Battery Charger with bank, 12 V – 42 Ah, 2 × SMF	1	Set			18%	
C.9	Battery Charger with bank, 12 V – 42 Ah, 2 × SMF	1	Set			18%	
	Sub-total — Group C				₹ _____		₹ _____
Group D — LT Main Distribution Panels — Substations							
D.1	Main MV Panel-1	1	Nos.			18%	
D.2	Main LT Panel-2	1	Nos.			18%	
D.3	Station Auxiliary Panel	1	Nos.			18%	
D.4	Main LT Panel	1	Nos.			18%	
D.5	Main LT Panel	1	Nos.			18%	
D.6	Main LT Power Distribution Board	4	Nos.			18%	
D.7	LT Bus Duct	64	RMt			18%	

	Sub-total — Group D				₹ _____		₹ _____
Group E — Sub-Distribution Panels — by Building & Floor							
E-1 Main Building — G/F Electrical Room							
E.1	MU PDB-1 Panel (UPS)	1	Nos.			18%	
E.2	MU PDB-2 Panel (UPS)	1	Nos.			18%	
E.3	Main Power Switch Board Panel	1	Nos.			18%	
E.4	Main Lighting Switch Board Panel	1	Nos.			18%	
E.5	UPS Panel-1 / HPC New System	1	Nos.			18%	
E.6	UPS Panel-2 / HPC New System	1	Nos.			18%	
E.7	UPS Channel Panel-1A / HPC New System	1	Nos.			18%	
E.8	UPS Channel Panel-2A / HPC New System	1	Nos.			18%	
E.9	Main LT Panel-1	1	Nos.			18%	
E.10	Main LT Panel-2	1	Nos.			18%	
E.11	6 kVA Single-Phase STS Switches	4	Nos.			18%	
E.12	UPS Power DB-1	1	Nos.			18%	
E.13	UPS Power DB-2	1	Nos.			18%	
E-2 Main Building — F/F Electrical Room							
E.14	UPS Panel-21A	1	Nos.			18%	
E.15	MPSB-21 Panel	1	Nos.			18%	
E.16	MLSB-26 Panel	1	Nos.			18%	
E-3 Oceansat-2 Building							
E.17	Main UPS Input & Output Panel	1	Nos.			18%	
E.18	Antenna Panel	1	Nos.			18%	
E-4 Amenity Building							
E.19	LT Panel SSB-A	1	Nos.			18%	
E.20	UPS DB — 160 A MCCB IN; 32 A TP × 3 + 20 A SP × 3 OUT	1	Nos.			18%	

E.21	UPS DB — 32 A 4P MCB IN; 10 A SP × 12 OUT	1	Nos.			18%	
E.22	SSB-28 Panel	1	Nos.			18%	
E-5 Guest House (ITCO)							
E.23	Main LT Panel-25	1	Nos.			18%	
E.24	MPDB-G1 Panel	1	Nos.			18%	
E.25	MLDB-G2 Panel	1	Nos.			18%	
E.26	MPDB-F1 Panel	1	Nos.			18%	
E.27	MLDB-F2 Panel	1	Nos.			18%	
E.28	MPDB-S1 Panel	1	Nos.			18%	
E.29	MLDB-S2 Panel	1	Nos.			18%	
E-6 MP Hall							
E.30	Main Panel	1	Nos.			18%	
E-7 ITCO Academic Block							
E.31	Academic Block Main Panel	1	Nos.			18%	
E.32	UPS Outgoing Panel	1	Nos.			18%	
E.33	Power Panel — G/F	1	Nos.			18%	
E.34	Lighting Panel — G/F	1	Nos.			18%	
E.35	Power Panel — F/F	1	Nos.			18%	
E.36	Lighting Panel — F/F	1	Nos.			18%	
E-8 ITCO Hostel Block							
E.37	Hostel Block Main Panel	1	Nos.			18%	
E.38	1-Phase kWh Meter Panel	1	Nos.			18%	
E.39	3-Phase kWh Meter Panel	1	Nos.			18%	
E-9 Pump Houses & STP — Electrical Side							
E.40	Pump Panel	1	Nos.			18%	
E.41	Main Pump Panel	1	Nos.			18%	

E.42	Fire Pump Control Panel	1	Nos.			18%	
E.43	Main PCC Panel	1	Nos.			18%	
	Sub-total — Group E				₹ _____		₹ _____
Group F — General Distribution Board Pools (PDB / LDB / UPS DB / Pillar Boxes / Quarters)							
F.1	EB Metering Panel — Residential Quarters	5	Nos.			18%	
F.2	Common Panel — Residential Quarters	5	Nos.			18%	
F.3	3-Phase / 1-Phase Power Distribution Board (PDB)	47	Nos.			18%	
F.4	3-Phase / 1-Phase Lighting Distribution Board (LDB)	44	Nos.			18%	
F.5	3-Phase / 1-Phase UPS Distribution Board (UPS DB)	40	Nos.			18%	
F.6	3-Phase Pillar Box Panel (street light feed)	4	Nos.			18%	
F.7	Street Lights Panel	1	Nos.			18%	
	Sub-total — Group F				₹ _____		₹ _____
Group G — HT & LT Power Cables — Outdoor							
G.1	11 kV, 3C × 300 sq.mm XLPE Al Armoured Cable	320	RMt			18%	
G.2	11 kV, 3C × 240 sq.mm XLPE Al Armoured Cable	1878	RMt			18%	
G.3	11 kV, 3C × 95 sq.mm XLPE Al Armoured Cable	200	RMt			18%	
G.4	LT, 3.5C × 400 sq.mm XLPE Al Armoured Cable	110	RMt			18%	
G.5	LT, 3.5C × 300 sq.mm XLPE Al Armoured Cable	2000	RMt			18%	
G.6	LT, 3.5C × 240 sq.mm XLPE Al Armoured Cable	2840	RMt			18%	
G.7	LT, 3.5C × 185 sq.mm XLPE Al Armoured Cable	1890	RMt			18%	
G.8	LT, 3.5C × 150 sq.mm XLPE Al Armoured Cable	300	RMt			18%	
G.9	LT, 3.5C × 120 sq.mm XLPE Al Armoured Cable	300	RMt			18%	
G.10	LT, 3.5C × 70 sq.mm XLPE Al Armoured Cable	700	RMt			18%	
G.11	LT, 3.5C × 25 sq.mm XLPE Al Armoured Cable	3600	RMt			18%	
G.12	LT, 3.5C × 10 sq.mm XLPE Al Armoured Cable	850	RMt			18%	

G.13	1C × 120 sq.mm PVC Cu Flexible Cable	750	RMt			18%	
	Sub-total — Group G				₹ _____		₹ _____
Group H — Internal Wiring & Earthing Conductors							
H.1	3C × 2.5 / 1.5 sq.mm Copper-conductor Wiring	3400	RMt			18%	
H.2	3C × 4 sq.mm Cable	1350	RMt			18%	
H.3	3C × 16 sq.mm Cable	1100	RMt			18%	
H.4	4C × 2.5 sq.mm Control Cable	270	RMt			18%	
H.5	2C × 1.5 sq.mm Armoured Cable	350	RMt			18%	
H.6	Mains Wiring to 32 A / 63 A DBs — FRLS PVC Cu	1850	RMt			18%	
H.7	Wiring for Socket Points	15000	RMt			18%	
H.8	Wiring for Light & Fan Points	30000	RMt			18%	
H.9	Concealed Conduit Wiring for Power & Lighting	10000	RMt			18%	
H.10	1C × 120 sq.mm Neutral Earthing Cable — PVC Cu flexible	100	RMt			18%	
H.11	50 × 6 mm GI Flat — Main Earth Grid & Equipment Earthing	800	RMt			18%	
H.12	25 × 6 mm GI Flat — Panel & Secondary Earthing	500	RMt			18%	
H.13	14 / 8 SWG GI Wire — Equipment Earthing	2250	RMt			18%	
	Sub-total — Group H				₹ _____		₹ _____
Group I — Final Switchgear, Wiring Accessories & Fans							
I.1	Switches, 6 A / 16 A / 20 A	1200	Nos.			18%	
I.2	Socket Outlets, 6 A / 16 A	500	Nos.			18%	
I.3	Socket Outlets, 5 A	500	Nos.			18%	
I.4	Isolators, 32 A / 63 A / 500 A TPN — metallic enclosure	10	Nos.			18%	
I.5	MCB breakers (assorted ratings, 6 A – 63 A)	50	Nos.			18%	

I.6	Fuses & Circuit-Protection Devices	50	Nos.			18%	
I.7	Exhaust Fans, 305 mm	80	Nos.			18%	
I.8	Ceiling Fans, 1200 mm sweep	150	Nos.			18%	
I.9	Wall-Mounted Fans	6	Nos.			18%	
I.10	Pedestal Fans	15	Nos.			18%	
	Sub-total — Group I				₹ _____		₹ _____
Group J — Outdoor Lighting — Street Lights & High Mast							
J.1	High-Mast Street-Light Pole with Control Panel	1	Nos.			18%	
J.2	Street Light Pole, 35 W LED	51	Nos.			18%	
J.3	Street Light Pole, 70 W LED	45	Nos.			18%	
J.4	Street Light Pole, 35 W LED	40	Nos.			18%	
	Sub-total — Group J				₹ _____		₹ _____
Group K — Motors, Pumps, Gate Motors & EOT Crane							
K.1	Single-Phase Gate Motor — Main Gate	2	Nos.			18%	
K.2	Single-Phase Gate Motor, 500 W — Rear Gate	1	Nos.			18%	
K.3	3-Phase Pump-Set Motor, 10 HP	1	Nos.			18%	
K.4	3-Phase Pump-Set Motor, 5 HP	4	Nos.			18%	
K.5	3-Phase Pump-Set Motor, 2 HP	1	Nos.			18%	
K.6	3-Phase Open-Well Submersible Pump Motor, 3 / 5 HP	4	Nos.			18%	
K.7	3-Phase Pump Motor, 7.5 HP — Gardening (new STP)	1	Nos.			18%	
K.8	EOT Crane, 1 TON	1	Nos.			18%	
	Sub-total — Group K				₹ _____		₹ _____
Group L — Earthing, Grounding & Lightning Protection							
L.1	Lightning Arrestor	3	Nos.			18%	
L.2	Advanced Lightning Arrestor (ESE type)	3	Nos.			18%	

L.3	Maintenance-Free Earth Electrodes, 2.5 m long	208	Nos.			18%	
L.4	GI Pipe Earth Station with 2.5 m × 38 mm GI pipe	50	Nos.			18%	
L.5	Copper Plate Earth Station, 600 × 600 × 3.15 mm	8	Nos.			18%	
L.6	Coil Earthing — Street Lights	70	Nos.			18%	
L.7	Earth Bus & Conductors — Copper flat with crimping	2230	RMt			18%	
L.8	Earth Link, 300 × 25 × 2 mm — Copper	4	Nos.			18%	
L.9	100 mm PVC Pipe Sleeves — earth conductor protection	220	RMt			18%	
L.10	150 mm Heavy-Duty Hume Pipes — earth conductor protection	70	RMt			18%	
	Sub-total — Group L				₹ _____		₹ _____
Group M — Telecommunication & Structured Cabling (Passive)							
M.1	Main Distribution Frame (MDF) — CRCA with Krone connectors	1	Nos.			18%	
M.2	Sub Distribution Frame (SDF) — CRCA with Krone connectors	8	Nos.			18%	
M.3	25-Pair Telephone Cable — MDF to SDF	950	RMt			18%	
M.4	2-Pair ATC Cable — in conduit/floor trunking	500	RMt			18%	
M.5	CAT-5E UTP Cable, 4-pair — conduit/floor trunking	8000	RMt			18%	
M.6	Fiber-Optic Cable — Main Building to Amenity	500	RMt			18%	
M.7	24-Port Patch Panel	1	Nos.			18%	
M.8	48-Port Patch Panel	7	Nos.			18%	
M.9	RJ-11 Telephone Sockets	520	Nos.			18%	
	Sub-total — Group M				₹ _____		₹ _____
Group N — Solar Water Heater System							
N.1	CAMC of the Solar Water Heater System — collectors, storage tank, circulation pump, hot-water piping and controls	1	Set			18%	
RE	Resident Electrical Site Engineer / Supervisor and	1	Year			18%	

	the support technicians and helpers deployed for the contract under Section 5 (annual cost of site supervision and establishment forming part of the CAMC).						
OW	Any other work or equipment necessary for the satisfactory completion of the CAMC and not separately listed above (safeguard provision, lump-sum).	1	LS			18%	
	GRAND TOTAL — Annual CAMC for Electrical Installations				₹ _____		₹ _____

Annual CAMC amount in words (excluding GST): _____ Including GST: _____

Signature / Name / Designation / For and on behalf of / Seal / Place / Date.

Annexure IX — KPI Tracker (format)

KPI	Target	Actual (month)	Remarks / action
Power continuity to the Glass Room and Tsunami Room (UPS chain)	100%, zero outage attributable to the Contractor		
Overall campus power availability	≥ 99.9% per month		
DG starting reliability on a grid outage	100%, first attempt		
UPS uptime feeding critical loads	≥ 99.9% per month		
Critical-complaint response	Within 1 hr (working) / 2 hr (off-hours)		
PPM schedule compliance	≥ 95% non-critical; 100% critical and statutory		
Statutory-test compliance (IR, earth, oil, relay)	100% on the due date		
Safety: lost-time incidents	Zero		

Annexure X Declaration

(on Letter Head With Authorized Signatory and Stamp)

I, _____ son / daughter of _____, sole proprietor / managing partner / director of M/s _____, having read and understood tender No. INCOIS: PUR:98/2025, hereby undertake that I agree to and shall abide by the terms and conditions prescribed therein for the Comprehensive Annual Maintenance Contract (CAMC) for Electrical Infrastructure at the INCOIS campus, Hyderabad, for a period of three (3) years, extendable by up to two (2) years. Signature and date; name; office seal; address. Note: the bidder shall sign and stamp every page and upload the same; clarifications only through GeM.

ANNEXURE-XI

Bank Guarantee Format for Bid Security

Whereas.....¹ (hereinafter called "the Bidder") has submitted its bid dated.....(date of submission of bid) for the supply of(being the provision of comprehensive annual maintenance services for the electrical infrastructure at the INCOIS campus, Hyderabad, under tender No. INCOIS: PUR 98/2025)(herein after called" the Bid").

KNOW ALL PEOPLE by these presents that WE(name of bank) of(name of country), having our registered office at(address of bank) (hereinafter called "the Bank"), are bound unto.....(name of Purchaser) (hereinafter called "the Purchaser") in the sum of ____for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ____ day of 20 ____.

THE CONDITIONS of this obligation are:

1. If the Bidder Withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or

2. If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity:

(a) fails or refuses to execute the Contract Form if required; or

(b) fails or refuses to furnish the performance security, in accordance with the instruction to Bidders.

We undertake to pay the Purchaser upto the above amount up on receipt of its first written demand, with out the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including 45 days after the period of bid validity, i.e., up to..... And any demand in respect thereof should reach the bank not later than this date.

(SignatureoftheBank)

Name of the Bidder

ANNEXURE-XII
Bank Guarantee Format for Performance Security

To

The Director
Indian National Centre for Ocean Information Services (INCOIS)
Ocean Valley, Pragathi Nagar (BO), Nizampet (SO)
Pragathi Nagar
Hyderabad-500 090

Whereas..... (name and address of the contractor) (hereinafter called "the contractor") has undertaken, in pursuance of contract no date..... to CAMC (Description of goods and Works/ Services) (hereinafter called "the contract").

And whereas you have stipulated it in the said contract that the contractor shall furnish you with a bank guarantee by a Commercial bank for the sum specified therein as security for compliance with its obligations as per the contract.

And, whereas we have agreed to give the contractor such a bank guarantee.

Now Therefore we hereby affirm that we are guarantors and responsible to you, on behalf of the contractor, up to a total of(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the contractor to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting us with demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall be valid until theday of20.....

Our.....branch at.....*(Name & Address of the*(branch) is liable to pay the guaranteed amount depending on the filing of a claim and any part thereof under this Bank Guarantee only and only if you serve upon us at our* branch a written claim or demand and received by us at our* branch on or before Dt..... Otherwise, the bank shall be discharged of all liabilities under this guarantee after that.

(Signature of the authorized officer of the Bank)

.....
.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of Branch

*Preferably at the headquarters of the authority competent to sanction the expenditure for the procurement of goods or at the concerned district headquarters or the state headquarters.

ANNEXURE-XIII

Authorization for Attending Pre-bid Conference.

(on Company Official Letter Head)

Bidder's Name _____

[Address and Contact Details]

Bidder's Reference No. _____ Date _____

To

The Director, INCOIS

INCOIS

Ref: Tender Document No. INCOIS: PUR:98/2025; Tender Title: **Comprehensive Annual Maintenance Contract (CAMC) for Electrical Infrastructure at INCOIS Campus, Hyderabad**

Subject: Authorization for attending Pre-bid Conference on _____ (date).

Following persons are hereby authorized to attend the Pre-bid Conference for the tender mentioned above on behalf of _____ (Bidder) in order of preference given below.

Sr.	Name	Government Photo ID Type/ Number

Note:

Maximum of two representatives (carrying valid Government photo IDs) shall be permitted to attend the Pre-bid opening. An alternate representative shall be permitted when regular representatives are not able to attend.

Permission to enter the hall where the pre-bid conference is conducted may be refused if authorization as prescribed above is not submitted.

Signatures of bidder

or

Officer authorized to sign the bid.

Documents on behalf of the bidder

[name & address of Bidder and seal of company]

IMPORTANT NOTE

If there is any discrepancy or contradiction between the Bid Specific Additional Terms and Conditions (ATC) and the GeM General Terms and Conditions (GTC), the clauses mentioned in the buyer added ATC – including payment conditions - will prevail and shall supersede the GeM GTC