

TENDER DOCUMENT

RCB/04-04/72/NIT/11/2017-18

For

NAME OF WORK:

**Providing Electromechanical Services at
NCR-Biotech Science Cluster,
Village-Bhankri, 3rd miles stone, Faridabad-
Gurgaon Expressway, Faridabad -121 001
(Haryana)**

NOTICE INVITING TENDER

Name of work – Providing Electro-Mechanical Services at NCR Biotech Science Cluster, Faridabad.

Bidding Document No: - RCB/04-04/72/NIT/11/2017-18

Tender Document Fee:- Rs. 1500 /-(Rupees One thousand Five hundred only) in the form of Demand Draft from Nationalized bank/ Scheduled bank, in favour of Executive Director, Regional Centre for Biotechnology Payable at Faridabad.

Earnest Money Deposit (EMD):- Rs. 2.90 Lacs in the form of DD/FDR/Bank Guarantee from Nationalized bank/ Scheduled bank, in favour of Executive Director, Regional Centre for Biotechnology Payable at Faridabad.

Estimated Cost: - Rs. 144.0 Lacs

- I. Sealed Tenders are invited on behalf of the **Executive Director, Regional Centre for Biotechnology (RCB)**, under two bid system (Technical bid and Financial bid) from established, reputed and experienced agencies for **Providing Electromechanical Services** at NCR Biotech Science Cluster, Village Bhankri, Gurgaon-Faridabad Expressway, Faridabad -121004 (Haryana) as per schedule, specifications and as per the terms and conditions mentioned in this tender document.

Schedule for invitation of tender:

1	Sale of Tender	06/02/2018 at 15.00 Hrs
2	Pre- bid meeting & presentation by prospective bidder	15/02/2018 at 15.00 Hrs
3	Bid Submission end date (Last date and time) for receipt of bids	28/02/2018 at 15.00 Hrs
4	Technical Bid Opening Date and time	28/02/2018 at 15.30 Hrs
5	Validity of bids (from the last date of bid submission)	180 days

Tender document available on www.rcb.res.in, www.thsti.res.in, & www.eprocure.gov.in

The bidder must read the prescribed terms & conditions and accept the same to proceed further to submit the bids. After downloading / getting the tender schedules, the Bidder should go through them carefully and then submit the documents as asked. Incomplete information may lead the bid to be summarily rejected. Bidder must unconditionally accept all terms and conditions stipulated in the original/ downloaded tender document and submitted entire signed and stamped document.

2. **Pre-Bid Meeting**

A pre-bid meeting with all the prospective bidders will be held at RCB as per schedule of invitation of tender at Para 1 above. Interested applicants/ firms are invited to attend the same with a written statement of their query.

3. **Notification of Amendments**

All amendments, time extension, clarifications etc. will be uploaded in the above websites only and will not be published in newspapers. Bidders should regularly visit the above websites to keep themselves updated. No extension in the bid due date/time shall be considered, on account of delay in the receipt of any document by mail.

4.0 **Submission of bids**

4.1 Under the two bid system, the bidders are required to submit their 'Technical bid' and 'Financial bid' separately. All the documents related to technical bid (i.e. Eligibility criteria & Technical details) and financial bid should be put in two separate envelopes duly marked as '**Technical bid**' and '**Financial bid**', respectively. Both the envelopes shall then be sealed in one outer (main) envelope, which should be super-scribed clearly with the name of the work and the NIT reference number and addressed to the Executive Director, RCB. The outer envelope shall contain the name and postal address of the tenderer with Phone/ Mobile/ Fax numbers and e-mail address, if any.

4.2 The 'Technical bid' should consist of the following documents:

- i. Covering letter indicating the index / list of enclosures.
- ii. Tender Document Fee.
- iii. Additional information of the Bidding Agency duly signed by the bidder or authorized representative of the bidder as per the Performa and format given in **Annexure-I**.
- iv. **Bid Security (EMD)** in original along with declaration in **Annexure II**.
- v. Original/downloaded tender document duly filled in signed and stamped by the Bidder or his authorized representative on each page and duly witnessed with name address & contact number of witness.
- vi. Declaration as per **Annexure-III** along with attested Copies of Income Tax Return for the last three financial years, PAN, GST Registration Certificate of the bidder/ Agency.
- vii. Undertaking that agency/bidder has, at least for the last 5 years of Experience in the field of Electro Mechanical Services shall be given in – **Annexure-IV**.

- viii. Undertaking to accept all Terms and Conditions of the Tender document and to comply with them as per **Annexure- V on a letterhead duly signed and stamped by authorized signatories.**
- ix. **List of present clients** (at least three nos.) as per **annexure VI.**
- x. Proof of successful execution of work (for at least one year) along-with certified copies of the completion/operation of Services/Agreement executed for providing of similar Services in last five years. (as given in **Annexure IV & VI**).
- xi. Solvency certificate from any scheduled Bank for the value not less than Rs. 58 Lacs.
- xii. Agency must note that no price should be indicated in the technical bid, otherwise bid would be rendered invalid.
- xiii. Document of holding valid registration/license with the Labour Department, electrical, fire and other departments required for carrying out such works, valid in Haryana
- xiv. Document of relevant ISO.

4.3 The bidder will be required to make a short presentation on the scheduled date to the expert committee on the plan it has, for providing Electro-mechanical services to NCR Biotech Science Cluster, Village Bhankri, Faridabad -121004 (Haryana).

4.4 Technical Bid evaluation will be made by committee on Quality Cost Based System (QCBS). Technical marks obtained will be converted to QCBS grading and subsequent conversion to technical score.

5.0 **The 'Financial bid' should contain the following documents:**

Duly filled in Price bid **Part A and Part B** as per format, signed and stamped by the authorized signatory of the bidder.

6.0 **Opening of Technical bid.**

Technical bid of all tenderers shall be opened at RCB, as per schedule given at Para 1, in presence of tenderers or their authorized representatives. Screening process will be adopted for evaluation of technical bid as discussed under clause of this tender.

6.1 All pages of the bid including all enclosures should be numbered (except printed leaflets/catalogue) and must be duly filled in, signed and stamped by the bidder or his authorized representative. Offers received without signature and seal on all pages are liable to be rejected.

6.2 **Successful bidder** on award of the work will submit notarized Non-Judicial stamp paper of Rs. 100/- duly signed by the Bidder/ Agency or authorized representative of the Bidder/ Agency for entering in to agreement.

IMPORTANT INSTRUCTIONS TO BE NOTED CAREFULLY BY THE BIDDER/ AGENCY(S):

(a)	Centre	Regional Centre for Biotechnology (RCB), Faridabad
(b)	Name of Services required	Providing of Electromechanical Services at NCR-Biotech Science cluster (All constituents and premises inside the cluster), at Village Bhankri, Gurgaon-Faridabad Expressway, Faridabad -121004 (Haryana)
(c)	Date for start of full service	Within Fifteen (15) days of the Award of Contract, complete service as per scope of work.
(d)	Tender Cost	Rs. 1500 /-(Rupees One thousand Five hundred only) in the form of a demand draft/ pay order in favour of “ Executive Director, Regional Centre for Biotechnology ”, payable at Faridabad, which is non-refundable.
(e)	Bid Security (EMD)	Rs. 2.90 (Rupees Two lac Ninety thousand only) in the form of a demand draft/ pay order/BG drawn on an Indian scheduled Bank, payable at Faridabad in favour of “ Executive Director, Regional Centre for Biotechnology ”,

II. Pre-Qualification Criteria.

1. The Tenderers must have an experience of handling the Electromechanical services (EMS) in Govt./PSUs/ Autonomous bodies or reputed private organization engaged in R&D in Life Sciences / Reputed Hospital at least for last five years, supported by documentary evidence and must have among the list of big clients, at least two of such bodies. Certificates of satisfactory performance from at least three such clients (of annual work order value of not less than 57.6 lakhs) are also to be submitted along with tender.
2. The tenderer should have at least;
 - a) One similar completed work, costing not less than an amount of Rs. 115.0 Lac
 - OR**
 - b) Two similar completed work costing not less than an amount of Rs. 86.40 Lac,
 - OR**
 - c) Three similar completed work costing not less than an amount of Rs. 57.6 Lac or,
3. **“Similar work” means**, providing for operation of Electro-mechanical services to any of the organizations as stated above.
4. Annual average turnover of the agency should not be less than Rs. 144.0 Lacs/annum for **“Similar works”** during preceding three years of experience.
5. Only those who hold valid registration / license with the Labour Department, electrical, fire and other departments required for carrying out such works, valid in Haryana, shall be eligible to bid in response to NIT. Photocopy of such registration / license duly signed and stamped by Bidder/ Agency must be submitted along with the Eligibility bid.
6. Agency must have service centre/office in Delhi NCR.
7. Even though the applicants meet the above criteria, they are subject to be disqualified if they have:
 - i) Made misleading or false representation in the form, statement and attachments submitted in and/or
 - ii) Record of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures, etc.
 - iii) Found to have been black listed in any other works.

III. BID Evaluation Criteria:

- A. The bids shall be ranked on the basis of Combined Technical and Financial weighted score (CTFS) for quality and cost. The tender shall be awarded to the bidder obtaining the highest total score in Combined Technical and Financial weighted score.

- B. The bids shall be ranked keeping in view the marks obtained on a scale of 100 marks during evaluation of bids. The technical and Price (financial) bids shall enjoy weightage in the proportion of 70:30 i.e. 70% for the technical bid and 30% for the financial bid.

The financial bids of only those successful bidders who obtain minimum 70% marks will be considered for further process.

- C. (i) Criteria for evaluation of the technical bid/performance of contractors for pre-eligibility

	Attributes	Evaluation
1.	Financial strength Average annual (last three years) Turn over 144 Lacs/year	(20 marks) (i) 60% marks for minimum eligibility criteria (ii) 100% marks for twice the minimum eligibility criteria or more In between (i) & (ii) – on pro-rata.
2.	Experience in similar work i One similar completed work, costing not less than an amount of Rs. 115.0 Lac OR ii Two similar completed work costing not less than an amount of Rs. 86.40 Lac, OR iii Three similar completed work costing not less than an amount of Rs. 57.6 Lac	(30 marks) (i) 60% marks for minimum eligibility criteria of works (ii) 80% and 100% marks for twice and thrice, respectively of the minimum eligibility criteria or more In between (i) & (ii) – on pro-rata basis
3.	Relevant ISO certification of the firm for providing services.	(05 marks) For certification 5 points Otherwise Zero (0)
4.	Performance of works (Quality) Based on report/visit/ presentation	(25 marks)
	(i) Excellent	25
	(ii) Very Good	20
	(iii) Good	15
	(iv) Fair	5
	(v) Poor	0
5.	Numbers of Personnel and Establishment of Bidder at their Roll	(Max. 10 marks)

	(i) Graduate Engineer minimum 2 Years Experience -2 Nos (Minimum)	Max 3 marks
	(ii) Diploma holder Engineer- 3 Years Experience -4 Nos Minimum	Max.4 marks
	(iii) Supervisory/Foreman (ITI)- 3 Years Experience - 4 Nos Minimum	Max. 3 marks
6.	Plant & Equipment List (Suitable to the nature of job)	(Max. 10 marks) Evaluation by technical committee.

Total Technical Marks = 100

(ii) Financial bid evaluation:-

The bidder quoting lowest rate will be awarded full points out of 30, otherwise pro-rata points based on lowest one will be awarded. $(LBF/F \times 100)$ out of 30%.

Combined Technical and Financial Score

with weightage 70:30 (CTFS)

= Technical score + Financial score

The bidder with highest CTFS score will be awarded the work.

IV. TERMS AND CONDITIONS

Period of Contract: This contract shall be valid for an initial period of one year. Based on the satisfactory performance, the period may be extended on yearly basis for a further period of maximum 03 years i.e (01 Year +03 years) at the sole discretion of the Competent Authority.

Price: Quoted rates shall be valid for the entire period of the contract. An increase of 8% of the previous contract value (exclusive of taxes) on Part-A will be considered for the next year (to offset the increase in minimum wages of employees and inflation rate). There will be no hike in the value mentioned in Part-B in subsequent years.

Payment: Payment shall be made on monthly basis within fifteen (15) days from the date of receipt of bill, duly certified & recommended by designated officer in charge.

Workmen Employed: The Bidder/agency shall be responsible for following all labour laws and statutory requirements, insurances pertaining to its employees. The agency shall indemnify RCB against any claim on this account. It must retain sufficient reserve of manpower to

	cater to situations like leave, weekly offs, medical problems, holidays or any other exigencies.
Performance:	The performance of the services will be continuously evaluated by the designated committee/user groups nominated by the Executive Director, RCB.
Delay in Payment:	In case of delay in monthly payment, the agency should make payment to its manpower & for consumables without affecting the work.
Replacement of Staff:	Any staff/employee may be required to be replaced immediately from the site without assigning any reason whatsoever.
Restrictions:	Smoking cigarette, bidi, chewing tobacco, pan, Gutkha or any other banned item is strictly prohibited inside the Institute's premises. Non-Compliance may lead to suitable penalty /termination of contract, to be decided by the Institute.
Attendance register:	Agency shall be responsible for maintaining biometric & manual records of daily attendance of the staff deployed by it. However the Centre reserves the right to inspect the records & verify attendance as and when required or deemed fit.
Certification of bills:	Every bill forwarded for payment shall need to be certified by the nominated officer of the Centre.

V. GENERAL TERMS & CONDITIONS

1. In the event of non-commencement or unsatisfactory performance of the work contract, Centre (RCB) reserves the right to cancel the contract agreement or to withhold the payment. In such an eventuality, Centre further reserves the right to get the work done from some other agencies at the cost of bidding agency. The Agency will also be black listed by the Centre for a period of 5 years from participating in such type of tender and his earnest money/security deposit will also be forfeited.
2. It shall be presumed that the terms & conditions mentioned in the tender document including amendments/ corrigendum if any have been read, understood and duly accepted by the bidder. The bidder shall have no right to modify/ alter/ amend/ delete any terms/ conditions mentioned in tender document.
3. Tender forms are not transferable. Only the original/downloaded complete tender form duly signed stamped, should be submitted.
4. Furnishing of wrong information and false documents will make the bidder ineligible for bidding and liable to be debarred/blacklisted from participation in Tender enquiries/Open Tenders/Annual Rate Contracts by the Centre. The EMD amount will also be forfeited.

5. The bidder will have to furnish documents in support of the information given in the tender. Original documents shall be checked for verification as and when required.
6. In case of any attempt for cartelization by bidder with a view to hike up the prices, all bids will be rejected and such bidders will be blacklisted and bid security will be forfeited.
7. If any required information /documents are not submitted, then the bid of the concerned bidder will be rejected and shall not be considered. No representation in this regard will be entertained.
8. The bidders are expected to be present at the time of opening of bid; however, the bids will be processed even when no bidder /representative is present as per the declared schedule.
9. The decision of the Centre regarding approval of bids shall be final and binding on all bidders.
10. A prospective bidder requiring any clarification of the Bidding Document shall contact the Centre through e-mail engg@rcb.res.in.
11. Any person who is in Govt. Service anywhere or an employee of the Centre/Institute should not be made a partner to the contract by the bidder directly or indirectly in any manner whatsoever.
12. The individual signing the tender document/ bids or any document forming part of the bid on behalf of bidder, shall be responsible to produce a proper **power of attorney** duly executed in his favour stating that he/she has authority to bind on behalf of such other person of the bidding agency as the case may be in all matters pertaining to the contract including the arbitration clauses.

In case the bidder, so signing, fails to provide the said power of attorney, the Centre may, without prejudice to other civil and criminal remedies cancel the bid and hold the signatory liable to all costs and damages. In case of registered or unregistered partnership firm, all the partners should sign the bids. In case of change of any person signing the agreement on behalf of limited company or firm, he/she will produce a letter of authority /resolution passed by the company empowering him/her to sign the agreement on behalf of the Bidder/ company or firm.
13. The personnel, whose services are provided by the bidder, shall at all times and for all purposes be the employees of the Agency (Bidding agency) and on no account personnel so appointed and recruited by the agency (Bidder) will have any claim for appointment, continuous recruitment or regularization etc. against the Centre.
14. In every case in which by virtue of the Workman's Compensation Act, the Centre is obliged to pay compensation to such person employed by the Agency (bidder) in execution of the work, Centre will be entitled to recover from the Agency (bidder) the amount of compensation so paid.
15. The bidding agency, shall be responsible for verifying the antecedents of its staff/employees working at premises of NCR Biotech Science Cluster, by police verification and will keep

attendance and other relevant records at its cost and will produce these on demand of any authority. The list containing the names/addresses of the personnel appointed by the bidder/agency shall be made available to the Centre with their bio-data within 15 days from the date of deputation. The agency shall also provide the same in soft copy giving out photographs and detail of the staff within one month of commencement of work.

16. The Bidder/ Agency shall obtain a license under Contract Labour (R&A) Act, 1970 and also submit an attested copy of such license to the Centre. The agency shall abide by all the necessary provisions of various other Labour Laws/Acts viz. ESI/Bonus, Workmen's Compensation and any other laws and rules applicable in this regard.
17. Only those who hold valid registration with the Labour Department shall be eligible to bid in response to NIT and if found successful the agency (workmen) shall need to get registered with the Labour Department.
18. The agency shall have necessary licenses/ authorizations for providing Electro-Mechanical Services and/or obtain the same at its costs and expenses as and when required.
19. The Bidder/ Agency, himself, shall be responsible for any type of statutory/mandatory claims or penalties in light of the default with reference to the above provisions.
20. In case any person engaged by the Bidder/ Agency is found to be inefficient, quarrelsome, cantankerous, infirm, and invalid or found indulging in unlawful or union activities, the bidder/agency will have to replace such person with a suitable substitute at the direction of the Executive Engineer, RCB or officer designated by Competent Authority, at short notice.
21. The Centre shall not provide any sort of accommodation to the staff or person deployed by the bidding agency and no cooking/lodging will be allowed in the premises.
22. The deployed staff shall wear the prescribed neat and clean uniform according to season affixing thereon the badge mentioning his name, provided by the Bidder/ Agency at his own cost. He should also be provided an I-Card duly signed by the authorized signatory of the Bidder/ Agency.
23. All safety accessories and measures as required for the execution of the work shall be provided to the workers by the service providing agency at its own cost.
24. The agency shall not engage any staff below the age of 18 years. All the staff deployed by the agency shall be medically fit and their antecedent be verified prior to the deployment in the Centre/Institute.
25. If any complaint of misbehavior and misconduct comes into the knowledge of the Centre then all such responsibility shall be of the agency and any loss owing to negligence or mishandling by the staff, the Bidder/ Agency shall himself be responsible to make good for the losses so suffered by the Cluster.

26. The Agency shall not, at any stage, cause or permit any sort of nuisance in the premises of the Institute or do anything which may cause unnecessary disturbance or inconvenience to others working there as well as to the general public in the Cluster premises and near to it.
27. The agency shall **not** engage any **sub-contractor or sublet/transfer** the contract to any other agency/person in any manner.
28. The agency providing Electro-Mechanical Services should ensure the following: -
 - That a daily report of its staff on duty and about their performance is furnished & maintained.
 - That its staff does not smoke/drink/abuse drugs at the place of work.
 - That any specific work related to Maintenance assigned to it by the Principal Employer or any officer authorized by him is carried out by him diligently and well in time.
 - The Principal Employer may also ensure that the salary wages shall be distributed in full as per Minimum Wages Act by the Bidder/ Agency to the deployed staff.
29. Tax deduction at source shall be governed by the prevailing Rules.
30. In case the agency fails to execute the job after signing the agreement /deed or leave the job before completion of the period of contract at their own accord, the Executive Director, RCB, shall have the right to forfeit the last payments due, irrespective of the duration of the contract.
31. The Executive Director, Regional Centre for Biotechnology reserves the right to:
 - A. Amend the scope and value of any contract under this NIT.
 - B. Reject or accept any application without assigning any reasons thereof and
 - C. Reject all applications and cancel the Tender.
 - D. The Centre/Employer/Consultant shall neither be liable for any such actions nor be under any obligation to inform the Applicants.

VI. PENALTY CLAUSES

- 1) In case the agency fails to commence the work as stipulated in the agreement, after 02 weeks delay, Centre reserves the right to cancel the contract and withhold the agreement and forfeit the EMD as applicable and get this job to be carried out at the cost of the Agency. The defaulting Bidder/ Agency will be blacklisted from participating in any tender of RCB for next five years.
- 2) For any other breach of contract, Designated committee or Authority or any person nominated by or on behalf of the Centre, shall be entitled to impose a penalty up to as given in table below. Some of the instances in which penalty would be imposed are enumerated below. (But these are not exhaustive and penalty may be imposed on any violation/breach or contravention of any of the terms and conditions as well as assigned duties and responsibilities).
 - I. If the personnel working are not found in proper uniform and displaying their photo identity card.

- II. If the personnel found indulging in smoking/drinking/sleeping during duty hours.
- III. Penalty will also be imposed if the behavior of personnel(s) found is discourteous to anyone in the Cluster.
- IV. If any personal, found performing duty by submitting a fake name and address, the services of such person shall be terminated and the agency will be held responsible for such lapse.
- V. If any personnel found on duty other than those mentioned in the approved list is supplied by the agencies to the Centre/Institute's authorities.
- VI. In the case of any loss/theft of NCR Biotech Science Cluster property, the committee of NCR Biotech Science Cluster will consider the circumstances, leading to the loss and if the responsibility is fixed on the agency, the Centre will make good, the losses by deducting the cost of loss from the next month's bill in one or more installments.

Sl No	Problem	Penalty
1	Power supply could not be restored within 5 Minutes.	Rs 1000/- per 5 Minutes.
2.	Maintenance Complaint could not be attended within 01 Hrs. of intimation/registration	Rs 200/- Per Hour per complaint
3	Maintenance Complaint could not be resolved within 03 Hrs. of intimation/registration.(without justified reason)	500/- per 3 Hrs
4.	Maintenance schedule not submitted 15 days from date of commencement of work	5,000/-
5.	Staff not bearing proper determined complete uniform with headgear and shoes: Per staff/stance	Rs 200/-
6.	Refusal to do work	Not acceptable, Change of person.
7.	Improper/ uncivilized behavior	Warning and Rs 500/- only one chance next time replacement of person.
8	Any place supposed to be manned 24x7 and Competent staff not found at any time	Will be viewed Seriously. Rs 1500/- Per/staff/ stance

9	Staff found smoking/ chewing tobacco	Rs 200/- per person/stance
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VII. Bid Security (EMD):

1. Each tender must be accompanied by Bid Security of Rs 2.90 Lac in the form of a Demand Draft/ Pay Order/BG/FDR favouring the “Executive Director, Regional Centre for Biotechnology” payable at Faridabad, and the original Bid Security sent to O/O the Senior Manager (A&F), Regional Centre for Biotechnology, Faridabad, so as to reach before the closing of the bid.
- 2.. The Bid Security shall be valid and remain deposited with the Institute for the period of forty fiveforty-five days, beyond the final bid validity period of 180 days.
3. In case of non-submission of Bid Security (EMD) the tender would be rejected without assigning any reason.
4. No interest shall be payable by the Centre on the Bid Security.
5. Bid Security shall be refunded immediately to the unsuccessful bidder on finalization of the tender. EMD of the successful bidder will be adjusted against security deposit.
6. The Bid Security is liable to be forfeited if the bidder withdraws or impairs or derogates the bid in any respect within the period of validity of this offer.
7. **Performance security deposit:** - The successful tenderer will have to deposit the performance security deposit of **Rs. @10% of tender amount** in the form of Demand Draft/ Banker’s cheque/ BG issued by scheduled bank drawn in favor of “Executive Director, Regional Centre for Biotechnology” payable at Faridabad, valid till three months beyond the currency of the contract.

VIII. SUPERVISION & QUALITY CONTROL

1. Centre management shall have the right to terminate the contract/reduce the scope of the services rendered by the agency, with one-month notice, if services provided are not of the requisite standard.
2. Centre will have unfettered right to inspect the premise, process of Electro-mechanical Services at anytime and the agency will cooperate with the Centre. Centre will have overriding supervising power to give instructions and it must be complied with.

IX. LIABILITIES OF SERVICE PROVIDER

1. Man power engaged by Agency will be qualified, trained, young, smart and well mannered with proper uniform.
2. The Agency shall make available CV of the employees in hard copy and/or soft copy giving out the details of all the employees with photo, deployed in NCR Biotech Science Cluster.
3. The shift of the staff would be rotated periodically and a roaster would be maintained.

4. The staff would be changed with proper handing & taking over every month / week as per roster to avoid possible contacts/collusion for better operational point of view.
5. All liabilities and onus of depositing wages, ESI, PF, Bonus and other statutory requirements of the deployed staff at Cluster lies solely on the agency. Agency will submit a declaration in this connection. Cluster Authority will not be responsible for any breach under this clause.
6. The agency shall be responsible to provide trained manpower in Electromechanical Services.
7. RCB names a worker as unfit/inefficient he should be removed immediately from the work spot. Provide reliever immediately.
8. Providing emergency services as needed on a twenty-four (24) hour, seven (7) days a week basis. The response time for attending to any break down/ maintenance call shall be immediate and in no case it should exceed one hour.
9. Developing and implementing Non comprehensive facility operation and preventative maintenance plans.
10. Nobody will be appointed without interacting with Executive Engineer or officer designated by Competent Authority, Regional Centre for Biotechnology, Faridabad.
11. Weekly, fortnightly and monthly training of all the personnel deployed must be organized as per training program and intimated to RCB.
12. During winters staff will be equipped with woolen pullover (Sweaters), coats & boots as per need.

X. CONTRACT TENURE (EXTENSION)

- a) The contract will be valid initially for **ONE YEAR** from the date of engagement of the agency.
- b) After the completion of the assigned responsibilities during the initial tenure of the contract, Centre, at its sole discretion may extend the contract on year to year basis maximum for 03 years (01 Year initial +03 Years) based on satisfactory performance of the agency during the previous year(s) and successful meeting and exceeding of the SLAs.
- c) In exceptionally deserving case, Centre, at its sole discretion and mutual consent, may consider further extension of the period of contact for which independent assessment of performance could be sought.
- d) Centre will decide the date of commencement of the service, which will be duly notified at the time of Award of Tender.

XI. PAYMENT TERMS

1. Given the fact that the contractor is under legal obligation to pay due wages as the requirements of law, the successful bidder shall be expected to make payment which may be

- verified by RCB. The contractor shall pay for all legal charges/contributions to statutory authorities. Besides that the contractor shall be obliged to satisfy empowered officer about continued labour law compliance as and when required by empowered officer.
2. The payment to the service provider shall be made as per invoice, which shall not exceed quoted price.
 3. The Agency shall raise bill by the first week of following month. The payment shall be made within Fifteen (15) days of submission of bill. Disputed amount or amount on which clarification is required may be withheld till the time matter is sorted out. However, rest amount shall be released by due date.
 4. Payment by Centre shall be made by electronic fund transfer to the contractors account by NEFT or RTGS for which purpose agency is expected to submit their complete bank details.
 5. The payment to the contractor shall be released on verification of the contracted service through a checking mechanism enforced by Designate Inspection Committee or Authority or any person nominated by or on behalf of the Centre to assess the performance of the agency, both in terms of quantity and quality.
 6. Payment of part B items will be raised separately after prior due approval for use of such items from Respective Engineers.

XII. FORCE MAJEURE

- i. "Force Majeure" shall mean any event beyond the reasonable control of the Centre or the Bidder/ Agency, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected.
- ii. If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances there of within fourteen (14) days after the occurrence of such event.
- iii. No delay or non-performance by either party hereto caused by the occurrence of any event of Force Majeure shall
 - a. constitute a default or breach of the Contract
 - b. give rise to any claim for damages or additional cost or expense occasioned thereby
 - c. If and to the extent that such delay or non-performance is caused by the occurrence of an event of Force Majeure.
- iv. Notwithstanding clause (iii) above, Force Majeure shall not apply to any obligation of the Institute to make payments to the Agency herein.

XIII. Risk :-

In the event of the Bidder/ Supplier's/service provider fails to provide the ordered services as per the contract the RCB reserves the right to procure the services from any other source at the

Bidder's risk and cost and the difference in cost shall be borne by the Bidder. Such cost shall be recovered from the bill of the agency. Further, the RCB retain the right to take any other action(s) as deemed fit.

XIV. JURISDICTION:-

Notwithstanding any other court or courts having jurisdiction to decide the question(s) forming the subject matter of the reference, if the same had been the subject matter of a suit, any and all actions and proceeding arising out of or relative to the contract(including any arbitration in terms thereof) shall lie only in the Court of Competent Civil jurisdiction in this behalf at New Delhi and only the said Court(s) shall have jurisdiction to entertain and try any such action(s) and/or proceeding(s) to the exclusion of all other Courts.

XV. Fall Clause:-

If at any time during the contract period, it is noticed or brought to the knowledge of the Centre that the contractor/bidder has reduced/proposed to reduce the rates for such outsourcing of Electro-mechanical Services as are covered under this tender enquiry, to any organization (including any department of Govt. of NCT Delhi) at rate lower than the rates quoted under this contract, he shall forthwith reduce the rates payable under this tender for such services after the coming into force of such reduction, the rate of services shall stand correspondingly reduced. The Centre shall make payments based on such reduced rates only.

XVI. Arbitration

Any dispute or controversy arising out of or in connection with the Agreement including any question regarding its existence, validity or termination which cannot be settled amicably by and between the Parties, may be referred by the Parties to be settled by arbitration in accordance with Arbitration & Conciliation Act, 1996 and its rules which are deemed to be incorporated by reference to this clause, for the time being in force. The arbitral tribunal shall consist of a sole arbitrator appointed unanimously by the Parties in accordance with the said rules or where unanimous decision cannot be made, each party shall appoint one arbitrator and the appointed arbitrators shall appoint a sole arbitrator on mutual consent. The Parties agree that any arbitration proceedings shall be instituted and heard in Delhi. The language of the arbitration shall be English. The cost of arbitration shall be borne equally between the Parties and the prevailing Party shall be entitled to recover the same from the other.

XVII. NOTICES

Any notice, request, or consent sought pursuant to the tender shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party

to whom the communication is addressed, or when sent by speed post, email, or facsimile to such Party i.e. the Centre or Bidder.

XVIII. TERMINATION

The Institute may terminate the Contract, by not less than thirty (30) days' written notice of termination to the Bidder/Agency, to be given after the occurrence of any of the events specified in paragraphs (i) to (iii) of this Clause and sixty (60) days' in the case of the event referred to in (iv) below :

- i. if the Bidder/Agency fails to meet the performance obligations under the Contract.
- ii. If the Bidder/Agency becomes insolvent or bankrupt;
- iii. If the Bidder/Agency, in the judgment of the Centre has engaged in corrupt or fraudulent practices in competing or in executing the Contract.
- iv. If as a result of Force Majeure, the Bidder/Agency is unable to perform amaterial/major portion of the Services for a period of not less than sixty (60) days.

For the purpose of this clause:

- i. "Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the selection process or in contract execution.
- ii. "Fraudulent Practice" means a misrepresentation of facts in order to influence a selection process or the execution of a contract to the detriment of the Purchaser.

XIX. Exclusive Right of the Executive Director, Regional Centre for Biotechnology,

The Executive Director, Regional Centre for Biotechnology, Faridabad, has full and exclusive right to accept or reject any bid or tender and / or withdraw the work order without assigning any reasons, whatsoever.

Signature of the Bidder/ Agency with stamp

Witnesses:-

1.

2.

Additional information of the Bidding Agency duly signed by the bidder or authorized representative of the bidder as per the Performa

1. Tender Enquiry No. RCB/04-04/72/NIT/11/2017-18 Due for opening on:

2. Name & Address of Bidder:-

Please indicate

3. Details of Bank Account of the bidder/Agency.

- i) Name of the Bank
- ii) Address of the Branch
- iii) Phone number
- iv) IFS Code No.
- v) Bank Account No.
- vi) Type of Account

4. Business Name and constitution of the firm. Is the firm registered under?

- i) The Indian Companies Act, 1956
- ii) The Indian Partnership Act, 1932
- iii) Any act, if not, who are the owners. (Please give full Names and Address)

5. For partnership firms state whether they are registered or not registered under Indian Partnership Act. 1932. Should the answer to this question by a partnership firm be in the affirmative please state further:

- i) Whether by the partnership agreement authority to refer disputes.
- ii) Concerning the business of the partnership to arbitration has been conferred on the Partner who has signed the tender
- iii) If the answer to (a) is in the negative, whether there is any general power of attorney executed by all the partners of the firm authorizing the partner who has signed he tender to refer dispute concerning business of the partnership to arbitration\

Signature of witness

Full Name and Address of Witness

Signature of Bidder

Full name & address of the
Person signing (In BLOCK
LETTER)

Whether signing as

Proprietor/ Partner/ Constituted Attorney/ duly authorized by the company

DETAILS OF EARNEST MONEY DEPOSIT

Tender Enquiry No.:- RCB/04-04/72/NIT/11/2017-18 Due for opening on:

Bid Security (EMD) as required by this tender is being submitted in the form of DD/Bank Guarantee/FDR favouring **“Executive Director, Regional Centre for Biotechnology” payable at Faridabad**, and duly discharged in his favour in advance.

1. Details of Bid Security attached (DD/Pay Order/FDR, Bank Guarantee): _____
2. Instruments.No. _____ Dated _____
3. Drawn on (Bank) _____
4. Address of Branch _____
5. Amount _____

Signature of the Bidder

Name & Address with stamp

INCOME TAX RETURN & PAN

Tender Enquiry No.:- RCB/04-04/72/NIT/11/2017-18. Due for opening on:-

As required by this tender the copies of Documents as per details given below are being submitted:-

Details of IT Return: Copy of IT returns of F.Y. - 2014-15, 2015-16, and 2016-17

Turn over for Financial year 2014- 2015	Rs....
2015- 2016	Rs....
2016-1017	Rs ...

PAN (Attach a photocopy of PAN Card):

GST Registration No.

Signature of the Bidder

Name & Address with stamp

UNDERTAKING – YEARS OF EXPERIENCE

Tender No. RCB/04-04/72/NIT/11/2017-18

Due for opening on: _____

Name of the Service _____

I/ We M/s _____ hereby declare that:

1. Our agency has been in business for a period of at leastyears in Operation & Maintenance (Electro-mechanical) Services for which the quotation/ tender are submitted.

2. We have served in similar works i.e. provided electromechanical services in Govt./institutes/PSU or private corporate sector with over 200 users (employees, students, etc.) in the last years as stated in relevant annexure.

3. We will be able to arrange for the required man power, material, machine and other resources for the establishment of service as per the tender term within **15** days of award of tender **(A/T)/Letter of intent (LOI)**.

4. We declare that we have necessary infrastructure/tie up for the Operation & Maintenance of the Electro-mechanical equipment being used and enough manpower to cater to any additional need of Client on short notice (any increase in required manpower, duly paid), if any such need arises in the tenure of the contract.

Signature of the Bidder

Name & Address with stamp

UNDERTAKING

Tender Enquiry No :- RCB/04-04/72/NIT/11/2017-18 .Due for opening on:

I/ We M/s _____ hereby declare that:

1. I/ we am/are agency engaged in business of providing Operation & Maintenance Services (Electro-mechanical equipment) have examined the above mentioned tender document including amendment/ corrigendum (if any) the receipt of which is hereby confirmed.
2. I/ we do hereby offer to provide Operation & Maintenance Services for electromechanical equipment at the prices and rates mentioned in the price bid.
3. I/we do hereby agree to provide to abide by the minimum wages act of NCR.
4. I/we have quoted rates inclusive of all statutory taxes, charges & compliances i.e.EPF, ESI etc. as applicable.
5. I/ we agree to abide by my/our offer for a period of 180 days from the date of opening of the tender.
6. I/ we have carefully read and understood all the Terms and Conditions of theTender and shall abide by them.
7. I/we agree for the all clauses and payment terms and conditions of this tender enquiry. In case any condition put forth by us is against the terms and conditions of tender, the same shall be treated as to be having no affect whatsoever and that the tender terms and conditions shall only prevail upon such conditions, if any.
8. I/ we have necessary licenses/ authorizations for providing the Operation & Maintenance Services (Electro-mechanical equipment) and/or obtain the same at my/our costs and expenses as and when required.
9. I/ we also declare that in case of change constitution of our firm or for any other change, merger, dissolution, insolvency etc. the same shall be immediately brought to the notice of client, in such case continuing partner, successor or administrator or permitted assign shall be responsible for discharging all the liabilities under this contract/ tender.
10. The tender document has been downloaded from the official website i.e.www.rcb.res.in, www.thsti.res.in, for bidding purpose and is a true copy of the original.
11. Our firm or any other firm with similar type of operation with same or some/one of the partners/proprietors being same as of the tendering firm has not been black listed in the past by any Government/ private institution except as per the following details:-

(If there is any case please attach the details of the same).

12. I/we also certify that that there is no vigilance/ CBI case pending against the firm/supplier/ or any other firm with similar type of operation with same or some/one of the proprietors being same as of the tendering firm except as per the following details:-

(If there is any case please attach the details of the same)

13. I/we also certify that there is no pending case for payment/ civil liability pending against us in any of the courts except as per the following details:-

(If there is any case please attach the details of the same)

Signature of the Bidder

Name & Address with stamp

LIST OF PRESENT CLIENTS

List clients with whom annual billing for similar services not less than Rs. 57.16 Lac/year in each case in the last five years.

S.No	Name of the client	Date of Start	Date of Completion	Area (in sq m) being serviced, and number of users	Scope of work	Number of manpower employed	Approx annual contract value providing similar for services	Reference of authorized official on clients side with contact number
1								
2								
3								
4								
5								

Note: Keep adding in the similar manner if the list is longer

NOTE:

1. Clients mean the clients presently (on the last day of bid submission) being served by service provider or were serviced in the last five years.
2. Supporting documents in the form of award of work/completion should be submitted.
3. Please highlight the clients for which the total tenure of services is more than 3 years continuously. Certificate of continuity of services with all the clients where Operation & Maintenance been provided for three or more years continuously should also be attached/proof of award of work in continuity to be attached.
4. If no proof of award of work, completion of work is submitted, the evaluation committee may make its own judgment and the Bidder/ Agency may be rated poorly on this count in technical evaluation.

Signature of the Bidder

Name & Address with stamp

SCOPE OF WORK

The scope of work as mentioned below, are the minimum expected under general maintenance from the firm / agency / contractor apart from schedule/ breakdown maintenance under the contract shall be carried out in accordance with manufactures specification and recommendation under instructions of respective Engineers. Successful bidder will submit Performa for approval for executing general maintenance job and schedule maintenance under Annual Preventive/Scheduled Maintenance to ensure proper accomplishment of proposed services.

Note: Excluding DG sets and Elevators for witch the center has AMC contract with the authorized dealer/Manufactures but the agency will carry out the coordination for monitoring and assisting the Agencies

Activities under General Maintenance

Agency is to carry out the general maintenance and any part found malfunctioning/damage will be repaired / replaced by agency under their scope of work.(Parts will be provided by Centre either through Part B of Price Bid or Agency has to submit the quote of required spares along with justification of quoted price. Supply of such items will be procured after due approval from Competent Authority.

The following minimum scope of work is required at the locations. Final scope of work would be finalized jointly by the selected service provider in consultation with RCB and THSTI.

- Running, Operation & Maintenance of utilities, services, and equipment
- Liaison with local authorities for renewal of statutory licenses/permissions for operations/ maintenance.
- The scope of work can be increased or decreased during the currency of the contract at the discretion of the Competent Authority at mutually agreed terms.

A. Operations & General Maintenance of Electromechanical Services:

This scope of work essentially indicates Running Operations & Maintenances services pertaining to upkeep & smooth working of the equipment. Required Preventive Maintenance will be carried out for the equipment at the RCB, THSTI, ATPC, SAF, PRB ESS Auditorium, Hostels, Housings, STP, Pump Room, Bore wells, Director bungalows and other premises in the Cluster as per benchmarked maintenance practices /OEM manuals by providing sufficient number of trained, experienced and competent technical personnel. All payments to the personnel deployed by the agency and their

associated statutory requirements would be the sole responsibility of the agency. The quoted rates per month shall include such payments and any other components including the services charges.

- Agency will have to carry out all preventive and routine maintenance of transformer, HT panels, LT panels, PLC/AMF panel, APFC panels and their control system of Electrical Sub Station.
- The agency has to coordinate & monitor and maintain the records for management and execution of the Annual Maintenance Contracts. Efforts & suggestions will be made to reduce the AMC costs through alternate arrangements
- Carry out day-to-day activities required in Operations that includes Operations, monitoring and data/related recording of related parameter pertaining to Utility services equipment, assessing the data and initiating necessary actions depending on the analysis of data/records.
- Carry out maintenance services at specified intervals as per the OEM service / operations manuals of the equipment which are not covered under AMC. (See Detailed Scope of Work)
- Co-ordinating with AMC contractors if machine is under AMC for Break down maintenance & follow up as required. Continuous efforts will be made to minimize the down time of equipment.
- Operation of submersible pump of bore wells.
- Agency will carry out general cleaning of CCTV camera domes and adjust camera angle if required by IT/Security department.

Resource requirement

- **See annexure- VIII and XI**

Annual Maintenance Contracts

- Cluster/RCB will have AMCs for DG sets.
- Cluster/RCB will have AMCs for Elevators.

Equipment (Non-scientific) & Non-IT

- All equipment will be maintained at optimum operating levels by carrying out preventive maintenance.
- **Tools & tackles required for the services, will be supplied by the service provider under this contract.**

DETAILED SCOPE OF WORK

a. Providing 24/7 Operations & Technical Support

- 24/7 manning for the Engineering services at ESS and SAF and continuous monitoring of RCB THSTI ATPC, Auditorium. Attending complaints of other premises. Work allocation to shift technicians and follow up on work progress.
- Generation of reports for Maintenance, maintaining & analyzing equipment operation logs for equipment.

- Implementing Preventive maintenance as per schedules & Manuals.
 - Co ordination & Monitoring of AMC.
 - **Diesel Generator Sets** – Operating the DG Sets along with their PLC ,with sufficient man power on the round the clock and logging all parameters, routine checking in all respects, operation in case of power failures and recording relevant data. Cleaning of filters, Exhaust system checking & cleaning, governor checking & checking of battery condition & topping up of electrolyte, cleaning of radiator & topping of coolant will be carried out.
 - Assist DG Set AMC agency, in **Carrying out periodical routine** servicing as per manufacture’s recommendation engaged by Centre.
 - HSD (Fuel) will be provided by Cluster/RCB.
- b. Electrical System:** Maintenance of transformers – Checking and recording of parameters. Operation of tap changers of transformers as and when required.
- HT Line and HT Equipment- Maintain 11 KV HT line from Pali sub station of DHBVN to VCB Panel of ESS of Cluster in coordination with DHBVN staff and VCB panels and switch gears including cost of fuse, HT Tape and cost of labour for digging, as per requirement.
 - LT Panels, Distribution Boards - Checking of connections, vacuum cleaning of panels, visual inspection, cleaning and tightening of contacts. **Testing and general maintenance** of relays their add-ons contactors, over load relay set of contacts, if required. Periodical, checking, of MCCBs ACBs and VCBs. General Maintenance of AMF Panel of DG Sets including its software in coordination with AMC agency if any.
 - Distribution Boards – Routine checking and tightening of all panel internals, cable connections, checking & replacement of switches, sockets contactors, relays, cleaning of contacts for proper & trouble free function. Switching ON/OFF of power panels, lighting panels, capacitor banks, and Emergency systems as required. Minor repairs of equipment like geysers, kettles and such other equipment.
 - Lighting panels & fixtures – Trouble shooting & Replacement faulty tubes/bulbs, fans, switches, sockets, MCBs, Fuses etc. and other electrical accessories wherever possible.
 - RCB/ THSTI will provide lighting fixtures as per their area of jurisdiction.
THSTI and RCB respective Institutes/Centre will provide MCBs for DBs inside RCB/THSTI.
 - Checking of UPS panels, battery condition, checking of Electrolyte Levels and topping up will be in the scope of bidder.
- c. Pump house**
- Checking availability of water and informing concerned authorities for further action.
 - Water Pumps & Hydro Pneumatic System – Operations and minor service of pumps like greasing, checking alignment, tightening & replacement of gland packing, cleanings strainers.
 - Checking for serviceability of Pump motor/ **submersible pumps**.

d. Sewage Treatment Plants

- Operation and maintenance of sewage treatment plant.
- Cleaning of Pumps, blowers, Electrical panel, water filters piping and allied accessories.
- To ensure all standby pumps and blowers are in working condition.
- To keep surrounding areas clean.
- Opening and cleaning of sand and carbon filter including nozzle changing and recharge of filter media.
- Logbook to monitor overall operation of plant on hourly basis.
- To execute required periodical testing of water as per govt norms. Pollution control board records are to maintained as per the statutory requirement. Payment shall be reimbursed on production of original bill.
- The agency has to ensure that all the parameters are maintained as per the norms of Pollution Control Board at all the times.

e. Firefighting Equipment

- Fire Hydrant and accessories: Operation and maintenance of fire fighting system, including but not limited to Operations of fire Hydrant hoses in case of emergency, testing of the same at regular intervals for proper functioning. Minor repairs to the system. Checking of Hose reel system, maintaining required pressure in wet rise system, maintaining diesel stock at Diesel Pump, maintaining records of tests.
- Portable Fire Extinguishers - Checking & ensuring all fire extinguishers are in working condition and necessary recording related data and initiate actions for refilling in coordination with respective engineer of RCB and THSTI.
- Regular cleaning of smoke detectors to avoid false alarms; check & clean mimic panels & related systems for proper operations. Coordination with OEM in case of major Breakdowns/problems.
- Agency will organize biannual mock fire drill and maintain records.

f. Building Maintenance (Internal and external)

- A Planned Preventative Maintenance (PPM) program must be maintained at all times. Outstanding PPM's must be addressed with RCB & THSTI on a monthly basis. Planned Schedule must be submitted to RCB & THSTI at least 3 weeks in advance to ensure all actions required have been identified. All PPM works are subject to the approval from RCB
- General Maintenance of equipment like solar panels system, Security equipment, Card Readers, PA system; Equipment like Fax machines, Xerox Machines, Projectors, Communication systems installed in the building , preventive/ scheduled /major servicing will be coordinated through AMC contractors.

- Tracking and submitting inventory reports of all consumables on monthly basis / as and when required.
- Tracking and submitting all utilities consumptions and costs on monthly basis.
- Supervisors should monitor activities of their staff to insure that work quality is acceptable.
- Supervisors should develop an inspection check list that is tailored to the individual work area.
- All deficiencies noted during the inspection should be documented in sufficient detail to allow the use of the checklist as a clean up guide.
- During inspections, any safety related deficiencies that constitute hazardous conditions must be given priority attention. Hazardous conditions that constitute imminent danger shall be immediately reported to respective Engineer RCB/THSTI.
- Service Provider will co-ordinate with RCB & THSTI Vendors for carrying out maintenance of equipment under AMC or warranty.
- Service Provider will maintain a record of all the equipment, keep record of the Vendors details, keep track of the dates of AMC / Warranty validity and inform RCB/THSTI before two months from date of expiry AMC.
- Service Provider will also perform Escalations within Vendors in case problems are not responded or resolved as per the Contracts.
- Service Provider will prepare the records of routine service visits to be provided by AMC providers and tracking to be done for actual visits, on weekly basis.
- Service Provider will coordinate with fuel vendor (IOCL) for ensuring the smooth supply of HSD to maintain the Reorder Point.
- Service Provider will maintain record of Fuel consumption charts of DG set, Stock Register of fuel in adherence with relevant Regulations.
- Service Provider will keep the Inventory status of all spares required for the maintenance of the facility and update on daily basis / as and when required.
- Preparation of Stock report on consumables at RCB & THSTI for smooth functioning of services.

Liability

- The Service Provider shall indemnify and hold RCB/THSTI Faridabad, harmless from and against all claims, demands, suits, proceedings, damages, costs, expenses and liabilities, including without limitation, reasonable legal fees brought against or incurred by either of them for
 - Injury to persons, including death; and/or
 - Loss or damage to any property; and/or
 - Any other liability resulting from any acts or omissions of the indemnifying Party in the performance of this Contract.
 - Service Provider shall maintain in force and upon request give evidence of adequate insurance covering its potential liability.

Liaoning with local and state authorities

- Service Provider will co-ordinate with state and local authorities for the work being done by it, as needed.

Value Engineering for better services and Cost Reduction

- Service Provider will use the expertise it has to suggest ways and means of improving the services and reducing cost.

Reporting

- Service Provider will submit the Daily, Weekly, Monthly, Quarterly, Half-Yearly and Annual Reports as per the formats discussed and decided by RCB and THSTI and Service Provider. These Formats will be submitted by Service Provider within 1 week of commencement of Services to RCB/THSTI and will be finalized within one week from submission.

GENERAL REQUIREMENTS

Helpdesk Management

The Helpdesk Services pertain to the Facilities Management, problems on Help-Desk and resolving the problems to closure, which occur on day-to-day basis. Service Provider will be required to manage Help-Desk at ESS wherein the problems will be logged either on telephone, in person or through email. Helpdesk will classify all such calls and would forward / allocate to the concerned departments, its Engineers / Technicians, Supervisor or any concerned operational staff for resolution. For each type of problem, the response time would be defined and service provider will adhere to it.

This helpdesk will receive, log and track all calls related to the end users in the facility. For calls/ services it is not directly responsible, these would be informed and escalated to the concerned RCB/THSTI personnel as decided and communicated to the helpdesk from time to time.

- While a standard Help-Desk needs to be manned and managed during office hours Monday through Saturday, emergency helpdesk will be provided on a 24/7 basis by qualified computer literate **Help-Desk cum BMS Operators**.
- Helpdesk will be allotted a dedicated Telephone Extension No. by RCB
- An email ID will be provided for Help-Desk by RCB
- Any problem logged in Help Desk either telephonically or through mail will be registered by Help-Desk operator in a Complaint Register or allotted a Unique No. on that date.
- Work job will be allotted by Help-Desk operator and handed over to respective attendant to attend to the problem and maintain the record of completion/status.
- Any Complaint Lodged in Helpdesk will be responded depending on nature of the problem but not later than as referred in SLA and resolved within 2 hours (routine Complaint) of logging the complaint.
- Once the call is closed the respective attendant will get the signatures of the complainant on the work order. Helpdesk to counter check before closure of any problems assigned.

- Resolution of the problem will be reconfirmed by the Help-Desk operator with the complainant and then closed in the Register.
- At the end of each day, the unattended and pending problems will be carried forward to the **next day** and a report of such problems will be prepared and forwarded to the respective authorities in RCB/THSTI.

Escalations

All Routine Problems, Help-Desk related problems, Operations related problems, will be handled by the service provider without any intervention of RCB.

If any call is not resolved within the agreed timelines, it will be escalated to the concerned as per the escalation matrix.

Materials, Consumables & Spares

- The Service Provider will maintain inventories and follow up with respective engineer for regular supplies of such material. Where material is to be provided by Regional Centre for Biotechnology, requests will be raised in advance with prior necessary approvals from RCB & THSTI.
- In case of AMCs, the spares required will be governed by the nature of AMC provider.
- Service provider would always keep minimum nos. of equipment (in working conditions) at site that are needed to ensure smooth function of this contract covering scope of work.
- The Contractor would also ensure that all the employees wear appropriate uniforms and safety gears and adhere to the safety standards as per Govt norms/ laid down by RCB.
- All staff would be in a neat, clean and well-groomed appearance
- All staff to carry proper ID cards as provided by the service provider.
- The staff will ensure wearing respective work masks, safety gloves and belts as and when required.
- All legal & statutory compliances would be the responsibility of the service provider
- Continuous training of the employees would also be the responsibility of the service provider.
- Service provider must know and follow, their duties related to safety for all personnel. These guidelines are applicable as well as to sub-contractors (with due approval) deployed by agency at the site.
- All Service Provider workmen should be provided with a uniform and shall work within Cluster premises in their prescribed uniform.
- The service provider shall ensure that no access (passages / access to emergency apparatus / exits) is blocked, unless so authorized by RCB.
- The service provider shall provide prior information to RCB representative about any hazardous material being brought on the site and shall ensure security storage of such material.
- The service provider must leave work areas in a clean, tidy and safe condition at the end of each working period.

- No work may be carried out above the heads of people or over gangway or roads or near power cables unless all precautions have been taken to ensure the safety of the person below, and until permission is given by RCB/THSI.
- The service provider must provide required tools and equipment based on applicable regulations/codes/ guidelines.
- The service provider should ensure that their personnel do not consume alcohol / do not smoke / do not take khaini/ any type of drugs in Cluster premises VIOLATION of which will attract penalty towards agency.
- All workmen of the service provider or their sub-contractors must have valid identifications cards verified by RCB/THSTI Security Department & shall display at all times during duty hours.

Background Check

Background check for all employees deployed at Cluster is mandatory. None should be deployed at RCB without police verification report seen and cleared by RCB/THSTI authorities.

Dos'for deployed staff

- Be always polite and courteous to staff, students and guest of Cluster.
- Answer telephone calls politely.
- All safety and security rules regulations of RCB/THSTI to be strictly adhered by the staff.

Don'ts' for deployed staff

- Misbehavior with any staff, student, Guest, other Contract personnel of any magnitude.
- Impoliteness, loud talking, inappropriate language, inappropriate gestures, any indiscipline
- Group gatherings, disturbance
- Involvement in any kind of activity at Cluster with malafide intentions (including theft), either directly or as a support to any third party

Screening

- Service Provider will depute any personnel at RCB only after screening and approval by RCB authorities. Any change in any personnel will be at an intimation of at least 1 week to RCB. The new personnel will also be screened and approved by RCB.
- If any personnel need to be changed by Service Provider due to some emergency which is beyond the Service Provider control, even then the new personnel will be screened and approved by RCB first.
- In case of rejection of any personnel by RCB, Service Provider will provide an option till the personnel is approved by RCB/THSTI.
- If Service Provider continues to provide sub-standard personnel, who have not been approved by RCB/THSTI and if work suffers, RCB/THSTI will impose penalties as defined ahead.

Management, Co-ordination Reporting and Meetings.

- Service Provider will be responsible for managing the services as described in the scope of work, Liaison with RCB/THSTI and AMC Providers, reporting to RCB/THSTI, providing Value-Adds to RCB/THSTI and escalations.
- Service Provider has to do daily meetings, weekly meetings, and monthly review on 10th working day of every month. Quarterly review meeting to appraise RCB/THSTI about the Electro-mechanical activities and value-adds.

Managing the Services

- Service Provider will take ownership of all the Services as described in this Scope of Work and will work as an independent Unit under the knowledge / direction RCB/THSTI.
- Service Provider will ensure that the Check lists are adhered to with utmost care and regularity.
- Service Provider will ensure that the problems are responded and resolved as per the Time frames decided for each type of problem.
- Service Provider will prepare and follow Standard Operating procedures for smooth functioning of the maintenance services, within 30 days of commencement of agreement.
- Service Provider Site in charge will brief RCB/THSTI representatives on operational proceedings on day- to- day basis.
- The agency shall develop Continuity training for all the premises in coordination with RCB/THSTI within three (3) months of signing of the agreement.
- Provide multi-skilled and trained staff.
- The staff should be trained on all the services mentioned in the RFP.
- There should be adequate off-site backup, trained, to ensure 100% service delivery.
- The Service Provider will liaise with external parties (government bodies) if required on behalf of RCB/THSTI.
- The Service Provider shall co-ordinate with respective engineer in charge for the procurement of all consumables / material/ execution of work.

Statutory Compliance

The Service Provider shall comply with all the statutory acts and will deposit statutory fee for no objection certificates required if any for the services such as Electrical installation, fire system, lifts, explosion, water testing, pollution test etc. Amount will be reimbursed by RCB on production of original receipt and shall be on regular basis submit proof of compliance to RCB/THSTI.

List of Equipments

S.No.	Equipment particulars	Qty(approx.)	Make	Remarks
1	Toilet Exhaust Fan	90	Usha	
	Exhaust Fan 450mm	100	Usha	
2 (a)	DG Sets 1500 KVA	2	Sudhir	
(b)	DG Set 1010 KVA	1	Sudhir	
(c)	DG Set 500 KVA	02	Kirloskar	
3	Transformers with RTCC 2000 KVA	3	Sudhir	
	Package Sub station	01	Schnider	
4	HT VCB 11 KV Panel Indoor Type	1	Sudhir	
5	Intelligent type Fire Alarm System –System controlled by Smoke , Heat & duct detector and MCB	1	Siemens	
6	Fire Extinguishers CO2, ABC	400		
7	Lifts capsule type	8	Thyson	
8	Passenger/Service Lift			
i	RCB	1	Thyson	
ii	THSTI	2	Thyson	
iii	SAF	2	Thyson	
iv	PRRC	2	Thyson	
v	ATPC	2	Kone	
vi	Hostel	02	Kone	
vii	Housing	04	Kone	
9	Water Softening Plant of 12500 LPH	1	SIMA	
10	STP- 200 KLD	1	SIMA	
	Tanks 200 KLD	2		
11	Lighting Fixtures			
i	Surface Mounted Strip type florescent fitting with 1 no. 28 watt T5 lamps	316	Philips	
ii	Surface/ recessed Mounted decorative florescent fitting suitable for and with 2 no. 28 watt	698	Philips	
iii	Surface Mounted 11 watt LED lamp fitting	74	Intapower	
iv	Recessed mounted 9 watt Mirror Optic LED lamp Fitting	650	Intapower	
v	Surface/ wall Mounted Bulkhead luminaries 5 watt LED lamps	76	Wipro	
vi	Recessed mounted 25 watt Mirror Optic LED lamp Fitting with lamp	72	Philips	
vii	Surface mounted wall/ceiling light luminarie with 1 x 11 watt LED	113	Intapower	
viii	Brick light luminaire 1x13 watt PL lamp fitting	36	Decon	
ix	Indore surface mounted down light 18 watt LED lamp fitting with cover	13	Philips	
x	Recessed mounted fitting 35 watt LED downlighter	23	Philips	
xi	Self contained 3 watt LED sign board	12		
xii	2x18 W LED	1566	Philips	
xiii	18 Watt LED downlight fixture with attachment Philips FBH 145 M	583	Philips	
xiv	2x42 watt FBH 225 2x42w CFL with attachment ZZG225 T	254	Philips	
xv	2x42 watt FBH 225 2x42w CFL with attachment ZZG225 T or eq	29	Philips	
xvi	Pole Light Fixtures on 7.5 m high Poles with Single Arm	42	Twinkle	
xvii	Pole Light Fixtures on 3.5 m high MS tubular	57	Twinkle	
xviii	Light Fixtures on 16 m high mast system with 400w SON 6nos & 2nos	1	Bajaj	

	400W			
12	Electrical Panels			
i	Main LT Panel	1	Advance	
ii	Synchronizing Panel	1	Advance	
iii	Capacitor Panel	1	Advance	
iv	AC Panel	1	Advance	
v	FEEDER PILLAR for External lighting	2	Advance	
vi	Fire Pump Panel	1	Advance	
vii	Plumbing Panel	1	Advance	
viii	MBD (Small Animal)	1	Advance	
ix	SBD-2 (PRIMATE)	4	Advance	
x	MBD-P (THSTI)	1	Advance	
xi	MBD-L (THSTI)	1	Advance	
xii	MBD-P (LIBRARY)	1	Advance	
xiii	MBD-L (LIBRARY)	1	Advance	
xiv	MBD-P (RCB)	1	Advance	
xv	MBD-L (RCB)	1	Advance	
xvi	Autoclave Panel	1	Advance	
xvii	FDB-1 (Small Animal)	5	Advance	
xviii	FDB-2 (SA,PR,ESS)	6	Advance	
xix	FDB-L (THSTI)	10	Advance	
xx	FDB-P1 (THSTI)	2	Advance	
xxi	FDB-P2 (THSTI)	2	Advance	
xxii	FDB-P3 (THSTI)	6	Advance	
xxiii	FBD-P1,2,3,4,5,6,7,8,9,10 (RCB)	10	Advance	
xxiv	FDB-P1 (LIBRARY)	1	Advance	
xxv	FDB-P2 (LIBRARY)	1	Advance	
xxvi	AHU Panel for RCB	2	Advance	
xxvii	AHU Panel for Library	2	Advance	
xxviii	AHU Panel (1&2) for SA	2	Advance	
xxix	AHU Panel (1&2) for THSTI	2	Advance	
xxx	Lift Panel (SA,PR,THSTI,RCB ATPC Housing)	14	Advance	
xxxi	Timer controlled prewired TP MCB 4 way	6	L&T / Hagger	
xxxii	Vertical type TP MCB DB 8 way	62	L&T / Hagger	
xxxiii	TP MCB DB 4 way	7	L&T / Hagger	
xxxiv	TP MCB DB 6 way	62	L&T / Hagger	
xxxv	VTPN DB 10/12 way	26	L&T / Hagger	
13	Pumps			
i	Split casing pumps (Domestic Water)	2	Kirloskar	
ii	Split casing pumps (Flushing Water)	2	Kirloskar	
iii	Split casing pumps (Soft water)	2	Kirloskar	
iv	SUMP Pump	2	Kirloskar	
v	Hydrant Pump	1	Kirloskar	

vi	Fire Engine -	1	Kirloskar	
vii	Sprinkler pump -	1	Kirloskar	
viii	Jockey Pump -	3	Kirloskar	
14	Water Tanks (Maintaining water level)			
i	Raw Water Tank – 1,00,000 Ltrs	2		
ii	Filter/ Treated Water Tank – 50,000 Ltrs	2		
iii	Soft water Tank – 50,000 Ltrs	2		
iv	Fire Tank -1,00,000 Ltrs.	2		
v	OHT - Fire, Drinking, Flushing at All Blocks	6		
vi	Earthing Pits	95		
15	Bore well	4		
16	Lab Items - Such as U.P.S , -80 freezers ,stabilizer etc.	100		
17	Similar works scope of works in ATPC, Hostel, Housings, PRRC, Executive Director Bungalows and other occupied area in cluster.	Each premises		

Service Level Arrangements (SLAs)

Chart 1: Severity Levels and time allowed for attending to the problems under each level of severity.

Severity Levels	Impact of Severity	Response Time	Recovery Time*	Status Update to the authorities of the institute during continuance of the problem
Severity 1	Severe impact on operation of the institute - unable to operate	Immediate- on logging of the problem	Within 60 minutes	every hour
Severity 2	Institute's Operations are degraded but, yet able to operate (with back-up measures)	If Problem is logged before 1700 hours – to be attended on the same day; and if logged after 1700 hours - to discuss with the authorities of the institute whether to be attended the same day or next day.	Within 4-8 hours	Once a day or as desired by the authorities of the Institute
Severity 3	Low impact on Institute's operations -though detrimental, but not an immediate area of concern	Problem to be attended to within same or next day after it's logging.	Within 24 hours	Once in two working days
Severity 4	Zero impact on Institute's Operations -Required for improving or for value addition to services.	Problems to be attended to during course of preventive or breakdown maintenance (as & when).	Within 30 days,	Once every 10 days

*Recovery time includes interim measures. However, final resolution may involve procurement of spares and mobilizing of third party OEM/vendors.

Chart 2: Broad description of problems to be addressed under each level of severity

Problem Type/Level	Problem Reported / Type of request
Severity 1:	Power Shut down
	All the DGs shut down
	Main server room – Power or AC Shutdown
	All elevators of residential or hostel or academic block are non-functional
	Shut down of Fire fighting / detection systems
	Stock of diesel – NIL
	Water supply to the institute shut down Complete shutdown of UPS
Severity 2:	Critical damage to Building Structure/Façade
	Serious problems with fire fighting / detection, HVAC and electric supply systems (not amounting to shut down)
	Water Supply shut down to any of the building
	Chocking of Sewerage / drainage
	Serious issues with Campus cleanliness/security
	50% Elevators of residential or hostel or academic block are Nonfunctional. UPS / LAN problem in Faculty room/ Library
Severity 3 :	Minor lapses in security, Parking problems/conflicts
	Partial blockage in drainage/sewerage/water supply systems.
	Building Maintenance issues
	Issus with Common Areas & Amenities, Minor problems in electrical / fire fighting& detection systems / Lighting/ UPS point and other misc. works.

TECHNICAL BID DOCUMENT

Sl.	Documents asked for	Page number at which document is placed
1	Bid Security (EMD) of Rs. 2.90 Lac (Rupees two lac Ninety thousand only) in the form of DD/ FDR/Bank Guarantee issued by any scheduled commercial bank in favour of Executive Director, RCB payable at Faridabad , valid for 45 days beyond the Tender validity period.	
2	One self-attested recent passport size photograph of the Authorized person of the firm/agency, with name, designation, address and office telephone numbers. If the bidder is a partnership firm, name designation, address and office telephone numbers of Directors/Partners also.	
3	Undertaking on the letter head of Rs.100/- (Rupees one hundred only) as per format prescribed in Annexure-IV).	
4	Self-attested copy of the PAN card issued by the Income Tax Dept. with copy of Income-Tax Return of the last financial year.	
5.	Self attested copy of valid electrical license to work on 11 KV system.	
6	Self attested copy of GST Registration	
7	Self attested copy of valid Registration number of the firm/agency	
8	Self attested copy of valid Provident Fund Registration number.	
9	Self attested copy of valid ESI Registration No.	
10	Self attested copy of valid License No. under Contract Labour (R&A) Act, 1970.	
11	Proof of similar work experiences, since last five financial years.	
13	Annual returns of previous three years supported by audited balance sheet.	
14	Any other documents, as required.	

FINANCIAL BID – (Total: 30 points)

Please provide rates in given price bid table which must include the cost of categories wise **staff to be deployed for the subject work**, you plan to deploy at RCB, THSTI ,SAF, ATPC, ESS, PRRB, HOSTEL CUM GUEST HOUSE Housing Blocks , as per scope of work in NCR-Biotech Science Cluster, Faridabad. The staff must be grouped in three categories as – manager/supervisor, Skilled and Semiskilled. You can, within these categories, further subcategorize if you want (e.g. shift engineer, operator, electrician, carpenter, mason etc.) to use at NCR-Biotech Science Cluster, Faridabad, and for each category their general qualifications, the number you plan to use. The total cost including manpower should clearly be stated in the last line.

Minimum Qualification of deployed staff.

Manager - **Degree** in Electrical/Mechanical from recognized University with **minimum 02 years** or **Diploma** (3 Years course) in Electrical/Mechanical Engineering with **minimum 05 Years** of experience in maintenance work, preferably in healthcare sector/Bioscience Research Institute/Pharma sector.

ii. Should have good knowledge of HVAC System Computer and AutoCAD besides management of shift duties.

Skilled Manpower: Should have Diploma in Electrical/Mechanical Engineering/Air conditioning and refrigeration with two years experience in relevant field or ITI tradesman with 05 Years Experience relevant field.

Semi-Skilled: Minimum qualification 10th pass with experience of five years in relevant field.

Schedule of work

PRICE BID -Part-A

Providing Electromechanical Services at NCR-Biotech Science Cluster, Village-Bhankri, Gurgaon-Faridabad Expressway, Faridabad -121004(Haryana).

S.No.	Description of items	Qty.	Rate (Rs.) Per Month	Amount(Rs.)
1.	<p>Operation and maintenance of following electro-mechanical services in NCR Biotech Science Cluster on 24 hrs x 7 X 365 day's basis on all the working days/holidays and as per the site requirement and as approved by Engineer-in- charge.</p> <p>A- In ESS Building : 24 x7 Manned.</p> <p>1. DG Sets System– Operation and General Maintenance of DG Sets (1500 KVA X 2 Nos., 1010 KVA X 1 No. Cummins- SUDHIR make installed in ESS building , 500 KVA X 2 Nos Kirlosker make ,installed in housing block .) i/c their AMF, control panels /PLC control panel system , Diesel tank, Exhaust system ,LT panels along with control system installed in ESS building and housing area complete system installed in NCR Bio cluster Faridabad.</p> <p>These DG Sets are under AMC of M/s Sudhir Power and M/s Pluck Technologies.</p> <p>2. Electrical System – Operation and General and routine maintenance of 2 Nos of HT Panels along with 8 VCB,s LT panels along with control system, Transformers {2000 KVA X 3 Nos} along LT Panels along with control system 40 Nos ACB's ,MCCBs, APFC Panel . LT cables etc complete system ,bus trunking system installed in ESS building as well as housing block in NCR bio cluster Faridabad .</p> <p>Pump house –</p> <p>1. Water System – Raw water pumping system including tanks & piping etc, Domestic water pumping system , Soft water pumping system , Softening plant i/c their LT control panels etc installed in water pumping plant room in NCR</p>	12 Months		

	<p>bio cluster Faridabad .</p> <p>2. Fire Fighting System – Operation and General Maintenance of Complete firefighting system including Fire DG set, Sprinkler pumps, Jockey pumps, Hydrant pump i/c their control panels. Fire tank along with piping, Complete Fire alarm system {Addressable /conventional type } etc. installed in NCR bio cluster Faridabad .</p> <p>B- Sewage Treatment Plant- Operation and General Maintenance of complete STP pumping system including Filter feed pump, Sludge pump, soft water pump, Irrigation pump, softening plant and their exhaust system, cables i/c their LT control panel system installed in NCR bio cluster Faridabad.</p> <p>C- Building Maintenance: Operationally manned.</p> <p>1.{Internal services} Operation and General maintenance of all electro-mechanical services of buildings i.e. Internal electrical system electric switch boards, panels, distribution boards electrical lights, rewiring/replacement of wiring (Electrical, Telephone, LAN), UPS system switch Sockets fan motors, minor repair works i/c other complete electrical and other service supporting system , Earthing ,lifts along with control system , fire fighting and fire alarm system installed in buildings etc. as per the site requirement and direction of engineer-in- charge-</p> <p>1. Operation and General Maintenance of THSTI, RCB, Library- Auditorium, SAF, ATPC Hostel, Housing {THSTI & RCB}, Executive Director’s Villas.</p> <p>2. Other Electromechanical services in occupied/ likely to be occupied premises during the contract will also fall in purview of this contract.</p> <p>2. External Services-</p> <p>1. Operation and General Maintenance of Complete Compound lighting system i/c</p>			
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	<p>lighting fixtures, Panels, Cables Mcb etc. installed in NCR bio cluster Faridabad.</p> <p>2. Operation and General Maintenance of Complete firefighting system i/c hydrant water system along with other accessories etc installed in NCR bio cluster Faridabad.</p> <p>3. General Maintenance of HT feeder 11 KV line from Pali sub-station to HT panel in NCR bio cluster in coordination with DHBVN staff in order to maintain the electrical supply in NCR bio cluster Faridabad.</p> <p>4. Complete Earthing system i/c lighting Arresters , Earthing pits etc. installed in NCR bio cluster Faridabad</p> <p>5. Electromechanical services in occupied/ likely to be occupied during the contract will also fall in purview of this contract.</p>			
			Total	
			GST/Tax as Applicable	
			G Total (A)	

(Rupees

Name and Complete Address of the
Bidder with official seal

Contact Number with e-mail ID

Date:

Place:

Schedule of work- Part- B

Providing Electromechanical Services at NCR-Biotech Science Cluster, Village-Bhankri, Gurgaon-Faridabad Expressway, Faridabad -121004(Haryana).

SH: Supply of Electrical items likely to be used. (Rates will be fixed for one year)

Sl No.	Item	Qty	Unit	Rate	Amount
1.	Supply of Modular Switch 16 Amp Make-MK/Crabtree	200	No		
2.	Supply of Modular Switch 5/16 Amp 6 pin socket Make-MK/Crabtree	200	No		
3.	Sheet Modular 6 Module (Crabtree, MK, Roma)	01	No.		
4.	Sheet Modular 3 Module (Crabtree, MK, Roma)	01	No.		
5.	Supply of 5 Amp switch Anchor Penta PC	20	No		
6.	Supply of 15 Amp switch Anchor Penta PC	20	No		
	Supply of 5 Amp 6 Pin socket Anchor Penta PC	50	No		
7.	Supply of 5/15 Amp 6 Pin socket Anchor Penta PC	50	No		
8.	Switch Socket Combined Box 16 Amp (Anchor, Greatwhite, Havells)	01	No.		
9.	AC Box Metal type with 32 Amp MCB (Havells, Hagger,Anchor, Cona)	01	No.		
10.	PVC Tape	01	No		
11.	Plug Top 16 Amp (Anchor, Cona)	01	No.		
12.	Plug Top 6 Amp (Anchor, Cona)	01	No.		
13.	PVC Box 3 Module	01	No.		
14.	PVC Box 6 Module	01	No.		
15.	Copper cable 2 Core 1MM (ISI)	01	Roll.		
16.	Copper cable 3 Core 1.5 MM (ISI)	01	Roll.		
17.	Copper cable 3 Core Flat type 2.5 MM (ISI)	01	Rmtr.		

18.	Drill Bit 3 MM	01	No.		
19.	Drill Bit 4 MM	01	No.		
20.	Hammer Drill Bit 6 MM	01	No.		
21.	Hammer Drill Bit 8 MM	01	No.		
22.	Welding Rod	01	Pkt.		
23.	Cutting wheel	01	No.		
24.	CRC	01	Can		
	Supply of Wire FR Copper multi strand 1.5 Sq mm (Roll 90 Rmt Mtr) Make- Plaza/HPL/Havells	24	Roll		
25.	Supply of Wire FR Copper multi strand 2.5 Sq mm (Roll 100 Rmt Mtr) Make- Plaza/HPL/Havells	32	Roll		
26.	Supply of Wire FR Copper multi strand 4 Sq mm (Roll 90 Rmt Mtr) Make- Plaza/HPL/Havells	15	Roll		
27.	Supply of Wire FR Copper multi strand wire 6 Sq mm (100 Rmt Mtr Roll) Make- Plaza/HPL/Havells.	12	Roll		
28.	Supply of Wire FR Copper multi strand 10 Sq mm Roll (90 Rmt Mtr) Make- Plaza/HPL/Havells.	6	Roll		
29.	Supply of Wire FR Copper multi strand 16 Sq mm (100 Rmt Roll) Make- Plaza/HPL/Havells	3	Roll		
30.	Supply of FR sheathed copper 3 core x 2.5 Sq mm Cable (75 Rmt Roll) Make- Plaza/HPL/Havells	4	Roll		
31.	Supply of FR sheathed copper 4 core x 4 Sq mm Cable (100 Rmt Roll) Make- Plaza/HPL/Havells	2	Roll		
32.	Supply of Armoured aluminium 4 core x 35 Sq mm XLPE Cable Make- Plaza/HPL/Havells	100	Rmt		
33.	Supply of Armoured aluminium 4 core x 70 Sq mm XLPE Cable Make: Plaza/HPL/Havells	100	Rmt		
34.	Supply of End crimping of double compression Aluminium Thimble for 280 Sq mm cable. Make- Dowell,/Jackson	24	Nos		
35.	Supply of End crimping 10 Sq mm copper Thimble make- Dowell,/jackson	96	Nos		

36.	Supply of End crimping 16 Sq mm copper Thimble make- Dowell,/jackson	16	Nos		
37.	Supply of End crimping 4 Sq mm copper Thimble make- Dowell,/jackson	288	Nos		
38.	Supply of 63 Amp, 4-pole MCB Make Havells / L & T/Schnieder	25	Nos		
39.	Supply of 32 Amp, 4 pole MCB Make Havells / L & T	10	Nos		
40.	Supply of 5 Amp to 32 Amp MCB SP make-Havells / L & T	200	Nos		
41.	Supply of MCB 40 A SP Make Havells / L & T	30	Nos		
42.	Supply of MCB 32 A TPN Make Havells / L & T	25	Nos		
43.	Supply of MCB 32 A DP Make Havells / L & T	20	Nos		
44.	Supply of MCB 40 A DP Make Havells / L & T	3	No		
45.	Supply of MCB 32 A TP Make Havells / L & T	20	No		
46.	Supply of MCB 10 A TP Make Havells / L & T	3	No		
47.	Supply of MCB 6 A TPN Make Havells / L & T	3	No		
48.	Supply of MCB 20 A TP Make Havells / L & T	10	No		
49.	Supply of MCCB DH-100 A make- L&T	5	Nos		
50.	Supply of PVC conduit size- 19 mm Polycab/AKG	500	Mtr		
51.	Supply of Flexible PVC conduit size- 19 mm Polycab/AKG	100	Mtr		
52.	Supply of PVC conduit size-25 mm Polycab/AKG	800	Mtr		
53.	Supply of Flexible PVC conduit size- 25mm	100	Mtr		
54.	8 way Single pole double door DB box without MCB Make-Havells / L & T	3	Nos		
55.	8 way TPN Double door DB box without MCCB Make-Havells/ L& T	3	Nos		
56.	100 A MCCB L&T Model No-DNO-100D	3	Nos		
57.	Contactora L&T Model No-MO-25 3 Pole 220 V	5	Nos		
58.	Contactora L&T Model No- MNX-70, Coil Voltage-220 Volt	3	Nos		
59.	Contactora L&T Model No- MNO-18, Coil Voltage-220 Volt	3	Nos		

60.	Contactora Model No- MNO-40, Coil Voltage-220 Volt.	3	Nos		
61.	MCCB 100 AMP 3 Pole Model No DN0-100D	02	Nos		
62.	ADD On Block for Aux contact L&T, M.No-MO-TA4	4	Nos		
63.	Timer L&T CAT No-2ASDTC	2	Nos		
64.	Overload relay L&T, M.No-MN2, Range(45-75A)	4	Nos		
65.	Overload relay L&T, M.No-MN2, Range(14-23A)	2	Nos		
66.	Overload relay L&T, M.No-MN2, Range(9-15A)	2	Nos		
67.	Overload relay L&T, M.No-MN2, Range(20-33A)	2	Nos		
68.	A.C.B (Bus-Coupler) L&T M.No-CN-CS 3200H2,4P	1	Nos		
69.	MCCB L&T M.No-dSine, DN3-630N, 3P	1	Nos		
70.	MCCB L&T M.No-dSine, DN3-400N, 3P	1	Nos		
71.	MCCB L&T M.No-dSine, DN3-200N, 3P	2	Nos		
72.	MCCB L&T M.No-dSine, DN3-100N, 3P	4	Nos		
73.	Spare Parts Common For All CN-CS...C, CN-CS...S1 & CN-CS...D A.C.B such as	-	-		
74.	Under voltage release L&T 415 V.A.C SI No 92720D000	4	Nos		
75.	Shunt Release L&T,24 VDC SI No 927180400	4	Nos		
76.	Spring Charge motor L&T,240 Volt A.C SIno 003150000	1	Nos		
77.	Closing Coil L&T 240 Volt A.C SI 910800000	4	Nos		
78.	Fixed Arching contact L&T SI No930400000	1	Set		
79.	Moving Arching contact L&T SI No 938920000	1	Set		
80.	Arc Chute L&T SI No 908550000	1	Set		
81.	Multifunction meter 96 SQ.MM, with RS 485, Nominal voltage 415 VA.C, Aux Voltage 220V A.C	02	Nos		
82.	Am meter 96 SQ.MM CTR-/5A, Aux. Supply230V A.C	02	Nos		
83.	Current Transformer(RESIN CAST TYPE) 3000/5A C,2500/5A,1600/5A,1200/5A,800/5A,600/5A,400/5A,200/5A, CL-1, VA-15	03	Nos		
84.	Protection Transformer(RESIN CAST TYPE)	03	Nos		

	2500/5A,1600/5A, CL5P10, VA-15				
85.	Phase indication lamp 230V A.C	60	Nos		
86.	ON/OFF/TRIP indication lamp 24 V D.C	12	Nos		
87.	Auto-Manual switch (2Pole, 2Way without off) 6 Amp	05	Nos		
88.	Base mounted type micro controller based U/V relay with 2C/O S/R Aux contacts, under voltage setting 40-80%, Aux Supply Voltage 230 V A.C (27/59)	03	Nos		
89.	Flush mounted Type reverse power relay, Nominal voltage: 415V A.C, Aux Contact; 1 No&1NC, Power setting; -10% UPTO +10% MRP11, 24V D.C, CTR - /5A. Make – L&T	01	Nos		
90.	Breaker control switch	03	Nos		
91.	Selector switch Ammeter 16 Amp 2P/3Way with off	03	Nos		
92.	Copper & Aluminium Thimbles (Ring Type/Pin Type)	-----	----- -		
93.	2.5 Sq mm copper Ring type Ascon/Dowell	240	Nos		
94.	4 Sq mm copper Ring Type Ascon/Dowell	144	Nos		
95.	6 Sq mm copper Ring type Ascon/Dowell	108	Nos		
96.	10 Sq mm copper Ascon/Dowell Ring type Ascon/Dowell	36	Nos		
97.	16 Sq mm copper As Ring type Ascon/Dowell con/Dowell	24	Nos		
98.	25 Sq mm copper Ring type Ascon/Dowell	12	Nos		
99.	2.5 Sq mm copper Pin type Ascon/Dowell	600	Nos		
100.	4.0 Sq mm copper Pin type Ascon/Dowell	480	Nos		
101.	6.0 Sq mm copper Pin type Ascon/Dowell	240	Nos		
102.	10 Sq mm copper Pin type Ascon/Dowell	120	Nos		
103.	35mm Aluminium Ascon/Dowell Ring type Ascon/Dowell	48	Nos		
104.	150 mm Aluminium Ring type Ascon/Dowell	12	Nos		
105.	185mm Aluminium Ring type Ascon/Dowell	12	Nos		

106.	240 mm Aluminium Ring type Ascon/Dowell	12	Nos		
107.	Elbow GI Size 13 mm Make- Unik,	8	Nos		
108.	Elbow GI Size 25 mm Make- Unik,	10	Nos		
109.	Elbow GI Size 40 mm Make- Unik,	10	Nos		
110.	Elbow GI Size 50 mm Make- Unik,	10	Nos		
111.	Elbow GI Size 65 mm Make- Unik,	10	Nos		
112.	Elbow GI Size 75 mm Make- Unik,	10	Nos		
113.	Elbow GI Size 80 mm Make- Unik,	10	Nos		
114.	Elbow GI Size 100 mm Make- Unik,	6	Nos		
115.	Nipple GI Size 13 mm Make- Unik,	10	Nos		
116.	Nipple GI Size 25 mm Make- Unik,	10	Nos		
117.	Nipple GI Size 40 mm Make- Unik,	10	Nos		
118.	Nipple GI Size 50 mm Make- Unik,	10	Nos		
119.	Nipple GI Size 65 mm Make- Unik,	10	Nos		
120.	Nipple GI Size 75 mm Make- Unik,	4	Nos		
121.	Nipple GI Size 80 mm Make- Unik,	4	Nos		
122.	Nipple GI Size 100 mm Make- Unik,	4	Nos		
123.	Socket GI Size 25 mm Make- Unik,	10	Nos		
124.	Socket GI Size 65 mm Make- Unik,	8	Nos		
125.	Socket GI Size 75 mm Make- Unik,	8	Nos		
126.	Socket GI Size 100 mm Make- Unik,	3	Nos		
127.	Gate Valve Size 13 mm Make- Zoloto	10	Nos		
128.	Gate Valve Size 40 mm Make- Zoloto	5	Nos		
129.	Gate Valve Size 50 mm Make- Zoloto	5	Nos		
130.	Gate Valve Size 65 mm Make- Zoloto	10	Nos		
131.	Gate Valve Size 80 mm Make- Zoloto	2	Nos		
132.	Gate Valve 100 mm Make Zoloto	2	Nos		
133.	Dead Plug MS 25 mm	10	Nos		
134.	Dead Plug MS 75 mm	10	Nos		
135.	Dead Plug MS 100 mm Make- Unik	10	Nos		
136.	TEE GI Size 50 mm Make- Unik	10	Nos		
137.	TEE GI Size 65 mm Make- Unik	10	Nos		
138.	TEE GI Size 75 mm Make- Unik	4	Nos		

139.	TEE GI Size 100 mm Make- Unik	4	Nos		
140.	TEE GI Size 40/13 mm Make- Unik	4	Nos		
141.	Union GI Size 40 mm Make- Unik	8	Nos		
142.	Union GI Size 50 mm Make- Unik	6	Nos		
143.	Union GI Size 65 mm Make- Unik	6	Nos		
144.	Union GI Size 80 mm Make- Unik	4	Nos		
145.	Union GI Size 100 mm Make- Unik	4	Nos		
146.	Flange MS Size 25 mm Reputed Make	4	Nos		
147.	Flange MS Size 40 mm Reputed Make	6	Nos		
148.	Flange MS Size 50 mm Reputed Make	6	Nos		
149.	Flange MS Size 65 mm Reputed Make	8	Nos		
150.	Flange MS Size 75mm Reputed Make	4	Nos		
151.	Flange MS Size 80 mm Reputed Make	4	Nos		
152.	Flange MS Size 100 mm Reputed Make	4	Nos		
153.	Flange MS Size 150 mm Reputed Make	2	Nos		
154.	Flange MS Size 250 mm Reputed Make	2	Nos		
155.	Non Rtn Valve (NRV) 50 mm Zoloto	12	Nos		
156.	Non Rtn Valve (NRV) 65 mm Zoloto	18	Nos		
157.	Non Rtn Valve (NRV) 75 mm Zoloto	10	Nos		
158.	Pressure Gauge Size 13 mm Guru	15	Nos		
159.	Reducer GI 100/50mm	10	Nos		
160.	Reducer GI 100/75 mm	10	Nos		
161.	Reducer GI 40/50	10	Nos		
162.	Reducer GI 75/65 mm	10	Nos		
163.	Butter fly Valve 50 mm Zoloto	30	Nos		
164.	Butter fly Valve 75 mm Zoloto	5	Nos		
165.	Butter fly Valve 100 mm Zoloto	5	Nos		
166.	Angle Valve Size 25 mm Zoloto	15	Nos		
167.	Angle Valve Size 32 mm Zoloto	10	Nos		
168.	Common Salt	2500 0	Kg		
169.	Chlorine	20	Ltr		
170.	Hose pipe (15 Mtrs) (Make-Guards) ISI Mark with	05	Set		

	male female attachment				
171.	Nozzle Brass (Make : Guards) ISI Mark	05	Each		
172.	Landing Valve Brass (Make: Guards) ISI Mark	05	Set		
173.	Fire Man axe with handle 20000 V Tested	05	Each		
174.	Fire Hose Reel, 37.5 Mtr (Make-Guards) ISI Mark	05	Each		
175.	Sprinkler (three types) 68 degree temp	10	Each		
176.	Hooter (Make- System Sensor & Siemens)	03	Each		
177.	Smoke Detector (Make- System Sensor & Siemens)	03	Each		
178.	Heat detector (Make- System Sensor & Siemens)	03	Each		
179.	MCP (Make- System Sensor & Siemens)	03	Each		
180.	Lugs for landing valve (ISI Mark)	10	Each		
181.	Supply of New Fire extinguisher cylinder with hose and horn.	05	Each		
	i) A.B.C type 6 kg (Make-Guards) ISI Mark	05	Each		
	ii) Co2 type 4.5kg (Make-Guards) ISI Mark	05	Each		
	iii) FE 36 (Make-Ceasefire) ISI Mark				
182.	Refilling of Fire extinguisher cylinder:				
	i) A.B.C type 6 kg (Make-Guards) ISI Mark	50	Each		
	Co2 type 4.5kg (Make-Guards) ISI Mark	50	Each		
	Total				

Total = Rs

SGST % =Rs

CGST % = Rs

Grand total- Sum of amount of Price Bid Part A +Price Bid Part B= Rs

G Total in words Rupees.....

Signature and seal of authorized signatory of agency/bidder