

Tender Ref No: RGUKT-B/Proc/HMLS/T02/2019, dt.21.02.2019

**BID DOCUMENT
(e-Procurement)
Open Competitive Bid (OCB)**

For

**Supply, Installation, Commissioning and Testing
of High-Mast Lighting Systems
of
Rajiv Gandhi University of Knowledge
Technologies**

Proprietary & Confidential

**RAJIV GANDHI UNIVERSITY OF KNOWLEDGE
TECHNOLOGIES
BASAR
MUDHOLE MANDAL, NIRMAL DISTRICT
TELANGANA-504107
Phone: 9492301704**

Proprietary & Confidential

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News paper advertisement

e-Procurement Tender Notice

**RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES
BASAR ,
NIRMAL DISTRICT, TELANGANA-504107**

Online tenders are hereby invited from interested and eligible bidders for following the following :

1. Supply, installation, Commissioning of High Mast Lighting Systems (12Mtrs& 20 Mtrs& 25 Mtrs& 30 Mtrs.)

Interested bidders can download and submit the bids online from 26.02.2019 to 11.03.2019 up to 05:00PM through www.tender.telangana.gov.in For further details please visit our website: www.rgukt.ac.in

Date.21.02.2019

**Sd/-
Vice-Chancellor**

Time schedule of various tender related events

High-Mast Lighting Systems

Bid calling date	21.02.2019
Pre-bid meeting	25.02.2019 at 11 AM
Bid Document download starts from	26.02.2019 at 10 AM
Bid document download end date	11.03.2019 at 5 PM
Bid closing date/time	11.03.2019 at 5.30 PM
Last date for receipt of hard copies of bid	13.03.2019 by 4 PM
Technical Bid Opening date/time	14.03.2019 at 2 PM
Price Bid opening date/time	15.03.2019 at 2 PM
Bid Document fee (Non-refundable)	Rs. 20,000/- (By way of DD in favor of the Director, RGUKT, Basar, from any Scheduled Bank payable at Basar)
Contact person	Director, RGUKT, BASAR
Reference No	RGUKT-B/Proc/HMLS/T02/2019

CLARIFICATIONS:

- i. Queries if any can be made through e-mail only on procurement@rgukt.ac.in on or before 25.02.2019. Queries received via any mode other than e-mail id mentioned above will not be entertained. The queries should only be sent in following format on the official letter head of the company.

S.No.	Page No. (Tender Ref.)	Clause (Tender Ref.)	Description (Tender Ref.)	Query
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ii.

ii. The addendum/corrigendum if any shall be published on RGUKT's website i.e. www.rgukt.ac.in OR on e-procurement platform www.tender.telangana.gov.in.

iii. The Bidders are requested to submit the bids after issue of clarifications duly considering the changes made if any. Bidders are totally responsible for incorporating/complying the changes/ amendments issued if any during pre bid meeting in their bid.

Director,
RGUKT-Basar.

TENDER FORM

Not transferable

Reference. No. RGUKT-B/Proc/HMLS/T02/2019

Dated.21.02.2019

Subject: Invitation of Tenders for Supply, installation, commissioning and testing of High-Mast Lighting Systems at RGUKT, Basar located in Nirmal District – Reg..

Dear Sir/Madam,

- 1) Bids are invited on the e-procurement platform from the reputed registered manufacturers (or) authorized dealers for supply, installation, commissioning and testing of High-mast Lighting Systems at its campus located in Nirmal District of Telangana State.
- 2) The details of bidding conditions and other terms can be downloaded from our website i.e. www.rgukt.ac.in or from the electronic procurement platform of Government of Telangana i.e. www.tender.telangana.gov.in
- 3) Bidders would be required to register on the e-Procurement market place “www.tender.telangana.gov.in” and submit their bids online. On registration with the e-Procurement market place they will be provided with a user id and password by the system through which they can submit their bids online.
- 4) The bidders need to scan and upload the required documents as per the Check list given. Such uploaded documents pertaining to technical bid need to be attached to the tender while submitting the bids on line. The attested copies of all these uploaded documents of technical bid, signed undertaking of tenderer should be submitted off line to Director, RGUKT, Basar by 04.00PM of 13.03.2019. The RGUKT will consider only the bids submitted through on-line over the copies of the paper based bids.
- 5)
 - a) The participating bidder/s will have to pay non-refundable tender processing fee Rs.20,000/- in the form of Demand Draft drawn from any Nationalized Bank, in favour of The Director, RGUKT, Basar payable at Basar.
 - b) Further the bidder/s shall furnish, as part of it bid, the Bid security for the amounts specified in the Section-II of Tender Document be paid in the form of an unconditional and irrevocable Bank Guarantee issued by any Nationalized bank in the standard format as shown in the Tender Schedule or a crossed Demand Draft drawn in favour of The Director, RGUKT, Basar along with bids.

- c) Further all the participating bidders have to electronically pay a non-refundable transaction fee to M/s. TSTS, the service provider through "Payment Gateway Service on E-Procurement platform", as per the Government Orders placed on the e-procurement website.
- d) RGUKT will not accept the tenders from blacklisted companies or undependable Suppliers whose past performance with RGUKT was found poor due to delayed and/or erratic supplies and those with frequent product failures, and also against whom there have been adverse reports of Sub-Standard Quality / Poor Service of Equipment supplies, as defined in the other parts of the Bidding document.

For any clarification and further details on the above tender please contact Telephone No: 9492301704 or Contact Person during office hours.

STATEMENT OF IMPORTANT LIMITS/VALUES RELATED TO BID

Item	Description
EMD	Rs.5,00,000/- by way of Demand Draft from any Scheduled Bank.
Bid Validity Period	150 days from the date of opening of Financial bid
EMD Validity Period	90 days from the date of opening of Financial bid
Warranty Period	2 years from the date of installation.
Period for furnishing performance Security Deposit	Within 10 days from date of receipt of award
Delivery Schedule	Bidder shall deliver the goods within 30days from the date of award of the contract.
Performance security value	5 % of contract value by way of irrevocable Bank Guarantee from any Nationalized Bank
Performance security validity period	27 months from award of contract
Period for signing the order Acceptance	Within 10 days from date of receipt of notification of award
Payment terms	
Payment Schedule	<p>Payment for goods and services shall be made in Indian rupees as follows.</p> <ol style="list-style-type: none"> 1. 80% of payment will be paid after installation, commissioning and testing 2. Balance 20% will be paid after 45 days after obtaining the satisfactory certificate from the authorities concerned.

Maximum Liquidated Damages for late deliveries	For delays:- If the supplier fails to deliver any (or) all of the goods or perform the services within the time period specified in the contract the purchaser shall without prejudice to its other remedies under the contract deduct from the contract price as liquidated damages a sum equivalent to 1% of the contract value per each week of delay subject to the maximum of 10%. Once the maximum deduction is reached, the purchaser may consider the termination of the contract duly forfeiting the performance security etc.,
Transaction Fee	Transaction fee: All the participating bidders who submit the bids have to pay an amount @ 0.04% of their final bid value online with a cap of Rs. 10,000/- for quoted value of purchase up to Rs.50 crores and Rs.25000/- if the purchase value is above Rs.50 crores & service tax applicable @ 14% as levied by Govt. of India on transaction fee through online in favour of MD, TPTS. The amount payable to TPTS is non refundable.

TENDER SCHEDULE

1. PREAMBLE:

The Director, Rajiv Gandhi University of Knowledge Technologies (RGUKT), Basar, invites tenders from reputed Manufacturers or their authorized dealers for supply, installation, commissioning and testing of High-mast Lighting Systems in the premises of RGUKT-Basar located in Nirmal District of Telangana, through e-procurement platform (i.e. www.tender.telangana.gov.in).

2. SCOPE OF WORK

Supply, installation, commissioning and testing of High-mast Lighting Systems (12Mtrs & 20 Mtrs & 25 Mtrs & 30 Mtrs) in the premises of RGUKT-Basar located in Nirmal District of Telangana State.

3. INCOME TAX:

During the course of the contract period, deduction of income tax and surcharge as in force at source shall be made at the prevailing rate of income tax department issued from time to time of the gross amount of each bill.

4. RATES , TAXES AND DUTIES:

All the rates in the tender shall be inclusive of all statutory compliances like PF, ESI, Service Tax, GST, etc.

5. PLACE OF WORK AND VISIT TO SITE:

Intending tenders shall visit the RGUKT to acquaint with local site conditions, nature and requirement of work, present conditions of premises/fittings/fixtures and incoming power supply source, etc., before quoting for the tender. Considering all the above site conditions, bidder has to quote accordingly. It is mandatory to submit site visit certificate certified by Dy.E.E(Electrical), RGUKT, Basar. Site visit certificate will be issued to those who have attended pre-bid meeting.

6. EARNEST MONEY DEPOSIT / SECURITY DEPOSIT:

- i. The tender should be accompanied by **Earnest Money Deposit (EMD)** is **Rs.5,00,000/-** by way of crossed Demand Draft drawn from any Nationalized Bank in favor of “**Director, RGUKT, Basar**” payable at Basar. The EMD will be Returned to the bidders after submission of performance security & deposit form duly signed and on conclusion of Agreement.

Tenders received without EMD (which should be in Cover 'A') will be summarily rejected.

- ii. Forfeiture of the EMD will be made in the following events:
 - a. Withdrawal of bid during the bid validity period.
 - b. In case of successful bidder, if the bidder fails to sign the contract in time or fails to submit performance guarantee.

7. PERFORMANCE SECURITY:

- i. The successful bidder has to deposit 5% of the total contract value as performance security deposit in the form of Bank Guarantee from any nationalized bank.
- ii. The Performance Security Deposit of successful bidder will be retained for the period of contract in force and will be returned after expiry of 27 months from the date of installation of the items supplied, after deducting the outstanding liabilities if any.
- iii. The Performance Security Deposit / Bank Guarantee shall not carry any interest.

8. ELIGIBILITY CRITERIA

- i. This bid is open to all firms within India who are eligible to do business under relevant Indian laws as in force at the time of bidding, subject to meeting the pre-qualification criterion. They should provide list of customers of previous supply of similar/ same items with contact details. Copies of orders received from Government organisations/ semi government organisations on bidding firm need to be submitted.
- ii. **Bidder must take the soil investigation sample at 2 Mtr. depth for the each foundation location at site & evaluation report of the SBC (soil bearing capacity) should be obtained from reputed testing laboratory, according to the SBC for individual locations, bidder need to design the civil structural calculation and prepare the foundation drawing for the each high mast separately.**
- iii. The bidder should have registration of the Name of the Firm/company with the Registrar of firms/companies of the State Government/ Government of India.
- iv. BIDDER SHOULD BE AN ORIGINAL EQUIPMENT MANUFACTURER FOR BOTH HIGH MAST SHAFT & LUMINARIES OR ITS AUTHORISED DEALER HAVING MOU FROM MANUFACTURER particular for this tender.
- v. The Manufacturer SHOULD HAVE VALID WIND TUNNEL TEST CERTIFICATES FOR MAST SECTIONS CONDUCTED PRIOR TO MINIMUM 5 YRS, WITH

PROVEN INSTALLATION CERTIFICATES FOR INTERNATIONAL STANDARDS FROM MANUFACTURER.

- vi. The Manufacturer SHOULD HAVE LATEST ISO CERTIFICATION FOR MANUFACTURING FACILITIES.
- vii. The bidder should have completed minimum three works of similar nature of minimum value of Rs300.00 Lakhs each or two works of value Rs150.00 Lakhs each or one work of Rs400.00 Lakhs in their name, during last three years. Photocopies of the completion certificates and award letters should be submitted along with the tender. Completion certificate issued by the reputed Government organisations/ semi government organisations shall be accepted.
- viii. A Certificate of the Bidders turnover Of Rupees 1000 Lakhs Cumulative for the last three financial years (i.e.2015-16 2016-17 and 2017-18) must be enclosed and be duly certified by firm of Chartered Accountants.
- ix. Bidder should possess Valid A-Grade electrical Contractor license from the Govt. of Telangana. Copy of the proof should be submitted.
- x. **Bidder should have Valid Civil Registration certificate from the state govt/central govt.**
- xi. **Latest solvency minimum of 3 crores from nationalised bank.**
- xii. **Site Visit Certificate**
- xiii. The bidder should furnish proof of experience certificates, work awarded/completed and satisfactory performance certificate from the parties concerned. RGUKT may contact any such parties to elicit details.
- xiv. Bidder should be registered under GST and should provide Latest GST returns Filed, The bidder should furnish along with the bid document, the relevant GST Registration Document and PAN Card copies.
- xv. All bidders shall also include the following information and documents with their tenders (in the Technical bid cover)
 - a. Copies of original documents defining the constitution or legal status, place of registration, and principal place of business of the bidding firm/entity; written power of attorney of the signatory of the Bid to commit the Bidder.
 - b. Latest Income Tax returns filed.
 - c. List of Present Clientele with contact addresses & telephone numbers.

- xvi. All the certificates furnished along with technical bids should be attested by Notary/ a Gazetted Officer, counter signed by bidder along with their seal.

The bidders must submit all relevant documentary evidence to support their claim for eligibility in placing bid. **The tenders received without the above documents will be rejected.**

9. INSTRUCTIONS TO BIDDERS

- i. **Site Particulars:** The Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to site conditions, means of access to the site.
- ii. Tenders with over writings, alterations etc., will not be admitted unless they are duly attested by the bidder. Where there is a discrepancy between the amount (Rupees) in figures and words, the price, which is least of the two, will prevail.
- iii. Bid should be strictly in conformity with the Terms and Conditions mentioned in the tender schedule.
- iv. Bidders are expected to examine all the terms and instructions mentioned in the tender schedule and prepare their proposals accordingly. Failure to provide all requisite information will be at the bidders' own risk and may result in the rejection of the tender.
- v. **If it is observed that the unit rates quoted by the bidder for any items are unusually high or unusually low, it will be sufficient cause for rejection of the tender unless the RGUKT is convinced about the reasonable of the unit rates on scrutiny of the analysis for such unit rate to be furnished by the bidder on demand.**
- vi. All assertions made in connection with the tender are to be supported/ substantiated by relevant documents. The Director, RGUKT reserves the right to verify the credentials of the bidder as per the eligibility criteria.
- vii. The Director, RGUKT will notify the bidder whose tender has been accepted.
- viii. The successful bidder shall execute an agreement with RGUKT on Non-judicial stamp paper worth Rs.100/- agreeing to all the conditions of the contract within one week upon intimation of acceptance of Tender. The successful bidder has to submit performance security guarantee after taking Letter of Intent but before having

contract agreement. Failure to enter into an agreement within the stipulated time, will result in forfeiture of the EMD/BANK GUARANTEE (BG).

- ix. The Director, RGUKT reserves the right to issue instructions / modifications at any point of time before award of contract.
- x. RGUKT has the discretion to call for any clarification / additional documents / proof required in support of the bid documents.

10. METHOD OF SUBMISSION:

Bids shall be submitted online on www.eprocurement.gov.in Platform.

- i. The participating bidders in the tenders should register themselves free of cost on the e-procurement platform on the website www.eprocurement.gov.in
- ii. Bidders can log-in to the e-procurement platform in Secure mode only by signing with the Digital certificates.
- iii. The bidders who are desirous of participating in e-procurement shall submit their technical bids, price bids as per the standard format available at the e-market place.
- iv. The bidders shall sign on all the statements, documents certificates uploaded by them, owning responsibility for their correctness/authenticity.
- v. The bidders should scan and upload the respective documents in Technical Documentation as per the check list.
- vi. After uploading the documents, the copies of the uploaded technical bid documents and original Demand Drafts in respect of Bid Security and Bid document fee are to be submitted by the bidder to the "The Director, RGUKT, Basar, Mudhole(Mdl), Nirmal District-504107", by **5 PM on 13.03.2019 (No physical submission of price bid will be entertained)**
- vii. Failure to furnish any of the uploaded documents, certificates, will entitle in rejection of the bid. The RGUKT shall not hold any risk on account of postal delay. Similarly, if any of the certificates, documents, etc., furnished by the Bidder are found to be false/fabricated/ bogus, the bidder will be disqualified, blacklisted, action will be initiated as deemed fit and the Bid Security will be forfeited.
- viii. RGUKT will not hold any risk and responsibility regulating non-visibility of the scanned and uploaded documents.
- ix. The Documents that are uploaded online on e-market place will only be considered

for Bid Evaluation.

- x. Important Notice to Contractors, Suppliers and Department users (i) In the endeavor to bring total automation of processes in e-Procurement, the Govt. has issued orders vide G.O.Ms.No.13 dated.5.7.2006 permitting integration of electronic Payment Gateway of ICICI/HDFC/Axis Bank with e-Procurement platform, which provides a facility to participating suppliers /contractors to electronically pay the transaction fee online using their credit cards.

In case of consortium either the prime bidder or the consortium partner can purchase the bid document. The bid can be filed either with userID of prime bidder or consortium partner.

- xi. The rates should be quoted online only.

11. EVALUATION PROCEDURE:

- i. The Technical bids will be opened on the scheduled date and time by the Director, RGUKT or his authorized representative in the presence of the bidders or their authorized representatives who are present at that time. The documents related to Eligibility criteria will be opened first. The tenders will be evaluated so as to ascertain the capability of the bidders to provide the material within the period mentioned above and also to assess whether the bidder satisfies the eligibility criteria mentioned.
- ii. The rejection of the bidder on technical grounds will be based on the failure to meet eligibility requirements.
- iii. Also the bidder has to produce all relevant documents at the time of technical bid opening. The documents will be inspected by the Members of the Technical Committee for conformance of the documents. The Committee may reject a bid for non conformance of the documents.
- iv. The Price Bid of only those bidders, who have fulfilled the eligibility criteria specified, will be opened and the Price Bids of the bidder who does not fulfill the eligibility criteria will not be opened and their tender stands automatically rejected.
- v. **Any claims or disputes raised by the unsuccessful bidders in respect of selection process and non-allotment of award will have no legal validity and will not be**

enforceable against the RGUKT. No further correspondence will be entertained regarding the disqualification.

- vi. The Director, RGUKT reserves the right to accept or reject any / or all the tenders without assigning any reasons whatsoever. The Director, RGUKT also reserves the right to cancel the selection process for award of the contract at any time. The decision of the Director, RGUKT is final and binding.
- vii. The Director, RGUKT shall reserve the right to split the tender and ask separate bidders to supply the different items in the tender.
- viii. The Director, RGUKT can cancel the contract in the event of inordinate delay in supply beyond the normal period agreed upon.

12. PENALTY CONDITIONS :

- i. 1% of the contract value per each week of delay subject to the maximum of 10% will be deducted, if delay continues beyond 10% the contract is liable for termination. If contract is terminated the bidder forfeits the performance security Deposit etc.,
(NOTE: Delivery and installation must be made in a single lot within the delivery date agreed at the time of award of contract).
- ii. If the contract is terminated, as per above clause the performance security will be en-cashed by Director, RGUKT and the bidder forfeits it.
- iii. In case after random sample of the supplied lot, if is found to be non conforming to the technical specifications then entire lot will be rejected. In this case the Director, RGUKT shall encash the performance security deposit. The bidder shall have no claim to any payment towards the transaction.

13. VALIDITY OF THE CONTRACT

The contract quoted bid price shall remain valid for a period of 150 days from the date of opening of the tenders.

14. GENERAL TERMS & CONDITIONS

- i. The supply, installation and Commissioning and Testing of High-Mast Lighting Systems in the premises of RGUKT-Basar.
- ii. Goods are to be supplied as per the specification and quantity. Details are annexed to this bid document.

15. Delivery and distribution:

- i. **General Clause:** The goods need to be supplied (in case of equipment need to be installed and commissioned) within the stipulated time agreed upon in the contract. If no such clause exists in the contract, this period may be treated as 60 days from the signing on Supply Agreement Form.
- ii. Bidder shall deliver the goods within 30 days from the date of award of the contract.
- iii. All goods/ equipment supply shall carry a warranty period of 2 years. Within the warranty period, in case of any damage to the supplied material like breakage, wear and tear, Electronics defects etc, it will be the responsibility of the supplier to trouble shoot, rectify and restore functioning or replace the damaged material within 7 working days.
- iv. If there are any deviations in the specifications of the materials supplied or indicates non conformance, the entire materials will be rejected and the contract will stand cancelled without any liability on the part of RGUKT. In addition, this event shall lead to the forfeiture of the performance security amount.

16. DISPUTES:

All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during or after completion of contract will be settled at Basar only, amicably in a spirit of co - operation and the RGUKT's decision shall be final on all such matters and shall be binding on the Bidder.

17. DISCLAIMER:

- i. Even though adequate care has been taken in the preparation of this Tender Schedule the Bidder should satisfy himself that the Schedule is complete in all respects.
- ii. Neither RGUKT nor its employees make any representation or warranty as to the accuracy, reliability or completeness of the information in this tender schedule and it

- is not possible for the RGUKT to consider the investment objective, financial situation and particular needs of each party who reads or uses the Tender Schedule. Certain prospective Bidders may have a better knowledge of the scope of work than others. Each prospective Bidder should conduct his or her own investigations and analysis and check the accuracy, reliability and completeness of the information in the Tender schedule and obtain independent advice from appropriate sources.
- iii. Director, RGUKT reserves the right to reject any or all the Bids submitted in response to this request for Proposal at any stage without assigning any reasons whatsoever.
 - iv. Director, RGUKT reserves the right to change any or all of the provisions of this tender Proposal.

18. REJECTION OF TENDERS:

- i. The Director, RGUKT reserves the right to cancel the tender process and reject all tenders at any time prior to the award of contract without thereby incurring any liability as against the affected bidder or any obligations to inform the affected bidder of the grounds of acceptance or rejection.
- ii. No bidder is entitled to withdraw his or her offer after submission. In case of such withdrawal, the EMD deposited along with the tender schedule shall stand forfeited.
- iii. For breach of any of the conditions prescribed in the tender or as specified by the RGUKT from time to time, the EMD is liable to be forfeited. Decision of the Director, RGUKT in this regard is final and binding on bidders.

REQUIREMENT :

12 MTRS. HIGHMAST

S.No	12 Mtrs. highmast Description	Qty	Locations
1	Supply, Installation, Testing & Commissioning of 12 Mtrs. highmast system with its accessories. High Mast General Arrangement Drawing to be submitted along with Bid (i) Mast shaft shall be in Single section, hot dip galvanized and suitable for wind velocity as per IS 875 Part 3	8 Nos	1. Boys Hostel-I Entrance 2. Boys Hostel-II T-Junction 3. Old Mess Middle Area 4. SAC

	<p>(ii) Accessories for highmasts include head frame, steel rope 5 mm dia, (7/19 construction), double gear double drum winch, galvanized lantern carriage suitable for 8 luminaries as per the site condition as directed during execution and necessary control gear boxes and lighting finial</p> <p>(iii) The highmast shall have an integrated power tool installed inside the base compartment of the mast</p> <p>(iv) The highmast shall be provided with aviation obstructing lighting fitting with 1 No. LED aviation obstructing lamp</p> <p>(v) Necessary wiring materials of suitable capacity for giving connections to luminaries.</p> <p>(vi) Fabrication, Supply and Erection of suitable feeder pillar box fabricated with 16 SWG CRCA sheet with powder coated painting duly providing 1 No. 32 Amp TP MCB as incomer, 1 No. 32 Amp 3 pole MCB for motor protection, 1 No. ML 6 contactor, 20 Amp astronomical timer, 32 Amp 5 pin metal clad socket. MCBs & metal clad sockets and contactors & timer. Suitable capacity of 3 pole contactor with interlocking facility for motor operation and necessary push button are to be provided</p> <p>(vii) Supply and laying of 16 sq.mm x 4 core aluminium conductor LT XLPE armoured UG cable of Polycab/KEI/Havells in 50mm dia 'B' class GI pipe between pillar box and highmast</p> <p>Note: (a) The technical specification of highmast, design, lantern carriage enclosed</p> <p>(b) Incoming Power Supply to the mast is in contractor scope only.any extra cable required the at the time of Installation it is in contractor scope only.</p> <p>(c) The average illumination level shall be at 40 to 45 lux at the ground level.</p> <p>(viii) Civil Foundation drawing to be submitted along with technical bid document ***Bidder must take the soil investigation sample at 2 Mtr. depth for the each foundation location at site & for evaluation of the SBC (soil bearing capacity) from reputed testing laboratory, according to the SBC for individual locations bidder need to design the civil structural calculation and prepare the foundation drawing for the each high mast seperately.*** Cement, steel and stone required for casting of suitable shallow foundation with M-25 concrete for the highmast, necessary foundation bolts, manufactured from special steel along with nuts, washers, anchor plates, templates.</p> <p>(ix) The highmast shall be provided with 2 Nos. of independent earthing with GI pipe as per IS 3043-1987 and giving earth connections with 25x3mm GI Flat.</p>	<p>building (Entrance Area) 5. Old Boys Hostel Entrance Area 6. Old Girls Hostel Entrance Area 7. VC Building Area 8.SS Tank Area</p>
2	Supply, fixing of 160W LED Flood light system Integrated EL driver IP66 Make: PHILIPS/CROMPTON/BAJAJ	<p>8Nos Per Mast X8Nos =64Nos</p>

20 MTRS. HIGHMAST

S.No	20 Mtrs. highmast Description	Qty	Locations
1	<p>Supply, Installation, Testing & Commissioning of 20 Mtrs. highmast system with its accessories. High Mast General Arrangement Drawing to be submit along with Bid</p> <p>(i) Mast shaft shall be in 2 sections, hot dip galvanized and suitable for wind velocity as per IS 875 Part 3</p> <p>(ii) Accessories for highmasts include head frame, steel rope 6 mm dia, (7/19 construction), double drum winch, galvanized lantern carriage suitable for 12 luminaries as per the site condition as directed during execution and necessary control gear boxes and lighting finial</p> <p>(iii) The highmast shall have an integrated power tool installed inside the base compartment of the mast</p> <p>(iv) The highmast shall be provided with aviation obstructing lighting fitting with 1 No. LED aviation obstructing lamp</p> <p>(v) Necessary wiring materials of suitable capacity for giving connections to luminaries.</p> <p>(vi) Fabrication, Supply and Erection of suitable feeder pillar box fabricated with 16 SWG CRCA sheet with powder coated painting duly providing 1 No. 32 Amp TP MCB as incomer, 1 No. 32 Amp 3 pole MCB for motor protection, 1 No. ML 6 contactor, 20 Amp astronomical timer, 32 Amp 5 pin metal clad socket. MCBs & metal clad sockets and contactors & timer. Suitable capacity of 3 pole contactor with interlocking facility for motor operation and necessary push button are to be provided</p> <p>(vii) Supply and laying of 16 sq.mm x 4 core aluminium conductor LT XLPE armoured UG cable of Polycab/KEI/Havells in 50mm dia 'B' class GI pipe between pillar box and highmast</p> <p>Note: (a) The technical specification of highmast, design, lantern carriage enclosed</p> <p>(b) Incoming Power Supply to the mast is in contractor scope only.any extra cable required the at the time of Installation it is in contractor scope only.</p> <p>(c) The average illumination level shall be at 40 to 45 lux at the ground level.</p>	3 Nos	<p>1. Laundry (towards Old Boys Dorms</p> <p>2. Placement Office</p> <p>3. Hospital Area</p>

	<p>(viii) Civil Foundation drawing to be submit along with technical bid document ***Bidder must take the soil investigation sample at 2 Mtr. depth for the each foundation location at site & for evaluation of the SBC (soil bearing capacity) from reputed testing laboratory, according to the SBC for individual locations bidder need to design the civil structural calculation and prepare the foundation drawing for the each high mast seperately.*** Cement, steel and stone required for casting of suitable shallow foundation with M-25 concrete for the highmast, necessary foundation bolts, manufactured from special steel along with nuts, washers, anchor plates, templates.</p> <p>(ix) The highmast shall be provided with 2 Nos. of independent earthing with GI pipe as per IS 3043-1987 and giving earth connections with 25x3mm GI Flat.</p>		
2	Supply, fixing of 240W LED Flood light system Integrated EL driver IP66 Make: PHILIPS/CROMPTON/BAJAJ	12Nos Per Mast X3Nos =36 Nos	

25 MTRS. HIGHMAST

S.No	25 Mtrs. highmast Description	Qty	Locations
1	<p>Supply, Installation, Testing & Commissioning of 25 Mtrs. highmast system with its accessories. High Mast General Arrangement Drawing to be submit along with Bid</p> <p>(i) Mast shaft shall be in 3 sections, hot dip galvanized and suitable for wind velocity as per IS 875 Part 3</p> <p>(ii) Accessories for highmasts include head frame, steel rope 6 mm dia, (7/19 construction), double drum winch, galvanized lantern carriage suitable for 18 luminaries as per the site condition as directed during execution and necessary control gear boxes and lighting finial</p> <p>(iii) The highmast shall have an integrated power tool installed inside the base compartment of the mast</p> <p>(iv) The highmast shall be provided with aviation obstructing lighting fitting with 1 No. LED aviation obstructing lamp</p> <p>(v) Necessary wiring materials of suitable capacity for giving connections to luminaries.</p>	5 Nos	<p>1. Main gate lawn (Centre) 2. Bank (Towards Reliance-Jio Tower) 3. Road No2 X Roads(N-E Side Admin Block)</p> <p>4. T Junction(Admin Block, AB-1, AB-2)</p> <p>5. Mess + AB-2 (Near 3rd Solar street light Pole)</p>

	<p>(vi) Fabrication, Supply and Erection of suitable feeder pillar box fabricated with 16 SWG CRCA sheet with powder coated painting duly providing 1 No. 63 Amp TP MCB as incomer, 1 No. 32 Amp 3 pole MCB for motor protection, 1 No. ML 6 contactor, 20 Amp astronomical timer, 32 Amp 5 pin metal clad socket. MCBs & metal clad sockets and contactors & timer. Suitable capacity of 3 pole contactor with interlocking facility for motor operation and necessary push button are to be provided</p> <p>(vii) Supply and laying of 25 sq.mm x 4 core aluminium conductor LT XLPE armoured UG cable of Polycab/KEI/Havells in 50mm dia 'B' class GI pipe between pillar box and highmast</p> <p>Note: (a) The technical specification of highmast, design, lantern carriage enclosed</p> <p>(b) Incoming Power Supply to the mast is in contractor scope only.any extra cable required the at the time of Installation it is in contractor scope only.</p> <p>(c) The average illumination level shall be at 40 to 45 lux at the ground level.</p> <p>(viii) Civil Foundation drawing to be submit along with technical bid document ***Bidder must take the soil investigation sample at 2 Mtr. depth for the each foundation location at site & for evaluation of the SBC (soil bearing capacity) from reputed testing laboratory, according to the SBC for individual locations bidder need to design the civil structural calculation and prepare the foundation drawing for the each high mast seperately.*** Cement, steel and stone required for casting of suitable shallow foundation with M-25 concrete for the highmast, necessary foundation bolts, manufactured from special steel along with nuts, washers, anchor plates, templates.</p> <p>(ix) The highmast shall be provided with 2 Nos. of independent earthing with GI pipe as per IS 3043-1987 and giving earth connections with 25x3mm GI Flat.</p>	
2	Supply, fixing of 300W LED Flood light system Integrated EL driver IP66 PHILIPS/CROMPTON/BAJAJ	12Nos Per Mast X5Nos =60Nos

30 MTRS. HIGHMAST

S.No	30 Mtrs. highmast Description	Qty	Locations
1	<p>Supply, Installation, Testing & Commissioning of 30 Mtrs. highmast system with its accessories. High Mast General Arrangement Drawing to be submit along with Bid</p> <p>(i) Mast shaft shall be in 3 sections, hot dip galvanized and suitable for wind velocity as per IS 875 Part 3</p>	5 Nos	<p>1. Shatavahana Ground near Basketball court area</p> <p>2. Shatavahana</p>

	<p>(ii) Accessories for highmasts include head frame, steel rope 8 mm dia, (7/19 construction), double drum winch, galvanized lantern carriage suitable for 18 luminaries as per the site condition as directed during execution and necessary control gear boxes and lighting finial</p> <p>(iii) The highmast shall have an integrated power tool installed inside the base compartment of the mast</p> <p>(iv) The highmast shall be provided with aviation obstructing lighting fitting with 1 No. LED aviation obstructing lamp</p> <p>(v) Necessary wiring materials of suitable capacity for giving connections to luminaries.</p> <p>(vi) Fabrication, Supply and Erection of suitable feeder pillar box fabricated with 16 SWG CRCA sheet with powder coated painting duly providing 1 No. 63 Amp TP MCB as incomer, 1 No. 32 Amp 3 pole MCB for motor protection, 1 No. ML 6 contactor, 20 Amp astronomical timer, 32 Amp 5 pin metal clad socket. MCBs & metal clad sockets and contactors & timer. Suitable capacity of 3 pole contactor with interlocking facility for motor operation and necessary push button are to be provided</p> <p>(vii) Supply and laying of 25 sq.mm x 4 core aluminium conductor LT XLPE armoured UG cable of Polycab/KEI/Havells in 50mm dia 'B' class GI pipe between pillar box and highmast</p> <p>Note: (a) The technical specification of highmast, design, lantern carriage enclosed</p> <p>(b) Incoming Power Supply to the mast is in contractor scope only.any extra cable required the at the time of Installation it is in contractor scope only.</p> <p>(c) The average illumination level shall be at 40 to 45 lux at the ground level.</p> <p>(viii) Civil Foundation drawing to be submit along with technical bid document ***Bidder must take the soil investigation sample at 2 Mtr. depth for the each foundation location at site & for evaluation of the SBC (soil bearing capacity) from reputed testing laboratory, according to the SBC for individual locations bidder need to design the civil structural calculation and prepare the foundation drawing for the each high mast seperately.*** Cement, steel and stone required for casting of suitable shallow foundation with M-25 concrete for the highmast, necessary foundation bolts, manufactured from special steel along with nuts, washers, anchor plates, templates.</p> <p>(ix) The highmast shall be provided with 2 Nos. of independent earthing with GI pipe as per IS 3043-1987 and giving earth connections with 25x3mm GI Flat.</p>	<p>Ground near Lab Complex Area</p> <p>3. Shatavahana</p> <p>Ground near Boy Hotels Area</p> <p>4. Football Ground</p> <p>5. Running Track Area</p>
2	<p>Supply, fixing of 340W LED Flood light system Integrated EL driver IP66 Make: PHILIPS/CROMPTON/BAJAJ</p>	<p>16Nos</p> <p>Per</p> <p>Mast</p> <p>X5Nos</p> <p>=80Nos</p>

TECHNICAL SPECIFICATIONS:

SUITABLE FOR 18 LUMINAIRES SYMMETRICAL

Height of mast	:	30 Meter,
No. Of sections	:	Three
Material construction	:	S 355 grade as per BS-EN10 025
Base dia. And top diameter (A/F)	:	Top : 150 mm, Bottom : 610 mm
Plate thickness	:	Top : 4 mm, Middle : 4 mm, Bottom : 6 mm
Cross section of Mast	:	20 side polygon.
Standard for of galvanisation	:	As per BS EN ISO 1461
Size of opening and door at base	:	1200 x 250 mm
Diameter of base plate	:	840 mm
Thickness of base plate	:	30 mm
Lightning protection finial	:	G.I single spike of length 1200 mm
Max.wind speed	:	50m/s
Number of foundation bolts	:	12 nos.
PCD of foundation bolts	:	740 mm
Type / diameter / length of fdn bolts	:	TS 600 / 30 mm dia / 850 mm long
LUMINAIRES CARRIAGE		
Material of construction	:	50 NB ERW Class B – M. S. Pipe
Diameter of carriage ring (mm)	:	710 mm (ID)
Construction	:	12 Arm, Welded, 2 sections
Load carrying capacity	:	18 Luminaire

TRAILING CABLE		
Conductor	:	Copper, 5 core, 4 sq mm
Insulation	:	EPR insulated PCP sheathed
No. Of circuits per mast	:	Two
WINCH / POWER TOOL		
Type / SWL of winch	:	DDMFO 35/6 –Double drum, SWL 750 Kg
Method of operation	:	Integral Powe tool Motor
Motor capacity	:	2 HP
No of speeds	:	6 Pole, Single speed
Torque limiter	:	With mechanical tripping facility
STAINLESS STEEL WIRE ROPE		
Grade / construction	:	AISI 316, 7/19 construction
Number of ropes	:	Two continuous
Diameter (mm)	:	6 mm
Breaking load capacity	:	2350 kg x 2

TECHNICAL DATA SHEET FOR 25 MTR HIGH MAST

HIGH MAST SYSTEM	
Height of mast	25 Meter,
No. of sections	Three
Material construction	S 355 grade as per BS-EN10 025
Base dia. and top diameter (A/F)	Top : 150 mm, Bottom : 540 mm
Plate thickness	Top : 3 mm, Middle : 4 mm, Bottom : 5 mm
Cross section of Mas	20 side polygon.
Standard for of galvanisation	As per BS EN ISO 1461
Size of opening and door at base	1200 x 250 mm
Diameter of base plate	730 mm
Thickness of base plate	30 mm
Lightning protection finial	G.I single spike
Max.wind speed	55m/s as per IS : 875 (Part - III)

Number of foundation bolts	12 nos.
PCD of foundation bolts	650 mm
Type / diameter / length of foundation bolts	TS 600 / 30 mm dia / 850 mm long
LUMINAIRES CARRIAGE	
Material of construction	50 NB ERW Class B - M. S. Pipe
Diameter of carriage ring (mm)	711 mm (ID)
Construction	8 Arm, Welded, 2 sections
Load carrying capacity	16 Luminaire
TRAILING CABLE	
Conductor	Copper, 5 core, 4 sq mm
Insulation	EPR insulated, PCP sheathed
No. of circuits per mast	One no cable per mast
WINCH / POWER TOOL	
Type / SWL of winch	Double drum, SWL 750 Kg
Method of operation	Integral Motor
Motor capacity	2 HP
No of speeds	6 Pole, Single speed
STAINLESS STEEL WIRE ROPE	
Grade / construction	AISI 304, 7/19 construction
Number of ropes	Two continuous
Diameter (mm)	6 mm
Breaking load capacity	2350 kg x 2

TECHNICAL DATA SHEET FOR 20 MTR HIGH MAST

SUITABLE FOR 12 LUMINAIRES SYMMETRICAL

HIGH MAST SYSTEM		
Height of mast	:	20 Meter,
No. Of sections	:	Two
Material construction	:	S 355 grade as per BS-EN10 025
Base dia. And top diameter (A/F)	:	Top : 150 mm, Bottom : 460 mm
Plate thickness	:	Top : 3 mm, Bottom : 4 mm
Cross section of Mast	:	20 side polygon.
Standard for of galvanisation	:	As per BS EN ISO 1461
Size of opening and door at base	:	1200 x 250 mm
Diameter of base plate	:	670 mm

Thickness of base plate	:	30 mm
Lightning protection finial	:	G.I single spike of length 1200 mm
Max.wind speed	:	50m/s
Number of foundation bolts	:	8 nos.
PCD of foundation bolts	:	590 mm
Type / diameter / length of fdn bolts	:	TS 600 / 30 mm dia / 850 mm long
LUMINAIRES CARRIAGE		
Material of construction	:	50 NB ERW Class B – M. S. Pipe
Diameter of carriage ring (mm)	:	710 mm (ID)
Construction	:	8 Arm, Welded, 2 sections
Load carrying capacity	:	12 Luminaire
TRAILING CABLE		
Conductor	:	Copper, 5 core, 4 sq mm
Insulation	:	EPR insulated PCP sheathed
No. Of circuits per mast	:	One
WINCH / POWER TOOL		
Type / SWL of winch	:	DDMFO 20/6 –Double drum, SWL 750 Kg
Method of operation	:	Integral Powe tool Motor
Motor capacity	:	1.5 HP
No of speeds	:	6 Pole, Single speed
Torque limiter	:	With mechanical tripping facility
STAINLESS STEEL WIRE ROPE		
Grade / construction	:	AISI 316, 7/19 construction
Number of ropes	:	Two continuous
Diameter (mm)	:	6 mm
Breaking load capacity	:	2350 kg x 2

TECHNICAL DATA SHEET FOR 12 MTR HIGH MAST

HIGH MAST SYSTEM	
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Height of mast	12 Meter,
No. of sections	One
Material construction	S 355 grade as per BS-EN10 025
Base dia. and top diameter (A/F)	Top : 100 mm, Bottom : 360 mm
Plate thickness	3 mm
Cross section of Mas	12 side polygon.
Standard for of galvanisation	As per BS EN ISO 1461
Size of opening and door at base	1050 x 225 mm
Diameter of base plate	520 mm
Thickness of base plate	25 mm
Lightning protection finial	G.I single spike
Max.wind speed	55m/s as per IS : 875 (Part - III)
Number of foundation bolts	04 nos.
PCD of foundation bolts	445 mm
Type / diameter / length of foundation bolts	TS 600 / 30 mm dia / 850 mm long
LUMINAIRES CARRIAGE	
Material of construction	40 NB ERW Class B - M. S. Pipe
Diameter of carriage ring (mm)	450 mm (ID)
Construction	8 Arm, Welded, 2 sections
Load carrying capacity	8 Luminaire
TRAILING CABLE	
Conductor	Copper, 5 core, 2.5 sq mm
Insulation	PVC flexible
No. of circuits per mast	One no cable per mast
WINCH / POWER TOOL	
Type / SWL of winch	Double drum, SWL 350 Kg
Method of operation	Integral Motor
Motor capacity	0.75 HP
No of speeds	6 Pole, Single speed
STAINLESS STEEL WIRE ROPE	
Grade / construction	AISI 304, 7/19 construction
Number of ropes	Two continuous
Diameter (mm)	5 mm
Breaking load capacity	1450 kg x 2

***Test Reports of mast shafts and all accessories must submit while supply**

Special Conditions:

- Any facility not mentioned in this scope, but which is vital to erection and commissioning of High Mast Lighting system is assumed to be included in the scope of work.
- All designs, drawings and quality plan duly certified by chartered structural engineer have to be submitted to RGUKT before commencement of work.
- Contractor has to ensure safety and provide adequate supervision.
- Electricity for erection at site will be provided free of cost. However, cable, T&P etc will have to be managed by the contractor.
- During working at site, some restrictions may be imposed by Engineer-in-Charge/Security Staff of RGUKT or local authorities regarding safety and security etc., the contractor shall be bound to follow all such restrictions/instruction & nothing extra shall be payable on this account.
- No compensation shall be payable to the contractor for any damage caused by rains lightening, wind, storm, floods Tornado, earthquakes or other natural calamities during the executing of work. He shall make good all such damages at his own cost; and no claim on this account will be entertained.
- All rates shall remain firm for the contract period.
- All the works are to be carried out in accordance with latest CPWD/BIS specifications and as per the directions of the Engineer-in-Charge.
- All tests shall be carried out in accordance with relevant Indian standard code of practice and Indian Electricity rules. The contractor shall provide necessary instruments, equipments and labour for conducting the tests & shall bear all expenses of conducting such tests.
- The contractor is bound to carry out the tests as per the CPWD/BIS/Applicable codes guidelines for ascertaining the quality of the works executed/materials used as and when directed by the Engineer-in-charge. The cost of preparing samples

and carrying out tests for quality of materials or workmanship will be borne by the contractor except for such exclusions as are specifically mentioned in the specifications laid down in the contract.

- **Test Reports of mast shafts and all accessories must be submitted while supply.**
- **Incoming power supply to all High masts from source point to feeder pillar panel is in bidder's scope only.**

Financial Bid

Price Schedule for Goods offered

Please quote amount in numerals and words at each place inclusive of Duties & Taxes.

S.No	12 Mtrs. highmast Description	Qty	Unit Price	Total Price
1	<p>Supply, Installation, Testing & Commissioning of 12 Mtrs. highmast system with its accessories. High Mast General Arrangement Drawing to be submit along with Bid</p> <p>(i) Mast shaft shall be in Single section, hot dip galvanized and suitable for wind velocity as per IS 875 Part 3</p> <p>(ii) Accessories for highmasts include head frame, steel rope 5 mm dia, (7/19 construction), double gear double drum winch, galvanized lantern carriage suitable for 8 luminaries as per the site condition as directed during execution and necessary control gear boxes and lighting finial</p> <p>(iii) The highmast shall have an integrated power tool installed inside the base compartment of the mast</p> <p>(iv) The highmast shall be provided with aviation obstructing lighting fitting with 1 No. LED aviation obstructing lamp</p> <p>(v) Necessary wiring materials of suitable capacity for giving connections to luminaries.</p> <p>(vi) Fabrication, Supply and Erection of suitable feeder pillar box fabricated with 16 SWG CRCA sheet with powder coated painting duly providing 1 No. 32 Amp TP MCB as incomer, 1 No. 32 Amp 3 pole MCB for motor protection, 1 No. ML 6 contactor, 20 Amp astronomical timer, 32 Amp 5 pin metal clad socket. MCBs & metal clad sockets and contactors & timer. Suitable capacity of 3 pole contactor with interlocking facility for motor operation and necessary push button are to be provided</p> <p>(vii) Supply and laying of 16 sq.mm x 4 core aluminium conductor LT XLPE armoured UG cable of Polycab/KEI/Havells in 50mm dia 'B' class GI pipe between pillar box and highmast(12 Mtr. per highmast)</p> <p>Note: (a) The technical specification of highmast, design, lantern carriage enclosed</p> <p>(b) Incoming Power Supply to the mast is in contractor scope only.any extra cable required the at the time of Installation it is in contractor scope only.</p> <p>(c) The average illumination level shall be at 40 to 45 lux at the ground level.</p> <p>(viii) Civil Foundation drawing to be submitted along with technical bid document ***Bidder must take the soil investigation sample at 2 Mtr. depth for the each foundation location at site & for evaluation of the SBC (soil bearing capacity) from reputed testing laboratory, according to the SBC for individual locations bidder need to design the civil structural calculation and prepare the foundation drawing for the each high mast seperately.*** Cement, steel and stone required for casting of suitable shallow foundation with M-25 concrete for the highmast, necessary foundation bolts, manufactured from special steel along with nuts,</p>	8 Nos		

	washers, anchor plates, templates.			
	(ix) The highmast shall be provided with 2 Nos. of independent earthing with GI pipe as per IS 3043-1987 and giving earth connections with 25x3mm GI Flat.			
2	Supply, fixing of 160W LED Flood light system Integrated EL driver IP66 Make: PHILIPS/CROMPTON/BAJAJ	8Nos Per Mast X8Nos =64Nos		
S.No	20 Mtrs. highmast Description	Qty		
1	<p>Supply, Installation, Testing & Commissioning of 20 Mtrs. highmast system with its accessories. High Mast General Arrangement Drawing to be submit along with Bid</p> <p>(i) Mast shaft shall be in 2 sections, hot dip galvanized and suitable for wind velocity as per IS 875 Part 3</p> <p>(ii) Accessories for highmasts include head frame, steel rope 6 mm dia, (7/19 construction), double drum winch, galvanized lantern carriage suitable for 12 luminaries as per the site condition as directed during execution and necessary control gear boxes and lighting finial</p> <p>(iii) The highmast shall have an integrated power tool installed inside the base compartment of the mast</p> <p>(iv) The highmast shall be provided with aviation obstructing lighting fitting with 1 No. LED aviation obstructing lamp</p> <p>(v) Necessary wiring materials of suitable capacity for giving connections to luminaries.</p> <p>(vi) Fabrication, Supply and Erection of suitable feeder pillar box fabricated with 16 SWG CRCA sheet with powder coated painting duly providing 1 No. 32 Amp TP MCB as incomer, 1 No. 32 Amp 3 pole MCB for motor protection, 1 No. ML 6 contactor, 20 Amp astronomical timer, 32 Amp 5 pin metal clad socket. MCBs & metal clad sockets and contactors & timer. Suitable capacity of 3 pole contactor with interlocking facility for motor operation and necessary push button are to be provided</p> <p>(vii) Supply and laying of 16 sq.mm x 4 core aluminium conductor LT XLPE armoured UG cable of Polycab/KEI/Havells in 50mm dia 'B' class GI pipe between pillar box and highmast(12 Mtr. per highmast)</p> <p>Note: (a) The technical specification of highmast, design, lantern carriage enclosed</p>	3 Nos		

	<p>(b) Incoming Power Supply to the mast is in contractor scope only.any extra cable required the at the time of Installation it is in contractor scope only.</p> <p>(c) The average illumination level shall be at 40 to 45 lux at the ground level.</p> <p>(viii) Civil Foundation drawing to be submit along with technical bid document ***Bidder must take the soil investigation sample at 2 Mtr. depth for the each foundation location at site & for evaluation of the SBC (soil bearing capacity) from reputed testing laboratory, according to the SBC for individual locations bidder need to design the civil structural calculation and prepare the foundation drawing for the each high mast seperately.*** Cement, steel and stone required for casting of suitable shallow foundation with M-25 concrete for the highmast, necessary foundation bolts, manufactured from special steel along with nuts, washers, anchor plates, templates.</p> <p>(ix) The highmast shall be provided with 2 Nos. of independent earthing with GI pipe as per IS 3043-1987 and giving earth connections with 25x3mm GI Flat.</p>			
2	Supply, fixing of 240W LED Flood light system Integrated EL driver IP66 Make: PHILIPS/CROMPTON/BAJAJ	12Nos Per Mast X3Nos =36 Nos		
S.No	25 Mtrs. highmast Description	Qty		
1	<p>Supply, Installation, Testing & Commissioning of 25 Mtrs. highmast system with its accessories.High Mast General Arrangement Drawing to be submit along with Bid</p> <p>(i) Mast shaft shall be in 3 sections, hot dip galvanized and suitable for wind velocity as per IS 875 Part 3</p> <p>(ii) Accessories for highmasts include head frame, steel rope 6 mm dia, (7/19 construction), double drum winch, galvanized lantern carriage suitable for 18 luminaries as per the site condition as directed during execution and necessary control gear boxes and lighting finial</p> <p>(iii) The highmast shall have an integrated power tool installed inside the base compartment of the mast</p> <p>(iv) The highmast shall be provided with aviation obstructing lighting fitting with 1 No. LED aviation obstructing lamp</p> <p>(v) Necessary wiring materials of suitable capacity for giving connections to luminaries.</p> <p>(vi) Fabrication, Supply and Erection of suitable feeder pillar box fabricated with 16 SWG CRCA sheet with powder coated painting duly providing 1 No. 63 Amp TP MCB as incomer, 1 No. 32 Amp 3 pole MCB for motor protection, 1 No. ML 6 contactor, 20 Amp astronomical timer, 32 Amp 5 pin metal clad socket. MCBs & metal clad sockets and contactors & timer. Suitable capacity of 3 pole contactor with interlocking facility for motor operation and necessary push button are to be provided</p>	5 Nos		

	<p>(vii) Supply and laying of 25 sq.mm x 4 core aluminium conductor LT XLPE armoured UG cable of Polycab/KEI/Havells in 50mm dia 'B' class GI pipe between pillar box and highmast(12 Mtr. per highmast)</p> <p>Note: (a) The technical specification of highmast, design, lantern carriage enclosed</p> <p>(b) Incoming Power Supply to the mast is in contractor scope only.any extra cable required the at the time of Installation it is in contractor scope only.</p> <p>(c) The average illumination level shall be at 40 to 45 lux at the ground level.</p> <p>(viii) Civil Foundation drawing to be submit along with technical bid document ***Bidder must take the soil investigation sample at 2 Mtr. depth for the each foundation location at site & for evaluation of the SBC (soil bearing capacity) from reputed testing laboratory, according to the SBC for individual locations bidder need to design the civil structural calculation and prepare the foundation drawing for the each high mast seperately.*** Cement, steel and stone required for casting of suitable shallow foundation with M-25 concrete for the highmast, necessary foundation bolts, manufactured from special steel along with nuts, washers, anchor plates, templates.</p> <p>(ix) The highmast shall be provided with 2 Nos. of independent earthing with GI pipe as per IS 3043-1987 and giving earth connections with 25x3mm GI Flat.</p>			
2	Supply,fixing of 300W LED Flood light system Integrated EL driver IP66 PHILIPS/CROMPTON/BAJAJ	12Nos Per Mast X5Nos =60Nos		
S.No	30 Mtrs. highmast Description	Qty		
1	<p>Supply, Installation, Testing & Commissioning of 30 Mtrs. highmast system with its accessories. High Mast General Arrangement Drawing to be submit along with Bid</p> <p>(i) Mast shaft shall be in 3 sections, hot dip galvanized and suitable for wind velocity as per IS 875 Part 3</p> <p>(ii) Accessories for highmasts include head frame, steel rope 8 mm dia, (7/19 construction), double drum winch, galvanized lantern carriage suitable for 18 luminaries as per the site condition as directed during execution and necessary control gear boxes and lighting finial</p> <p>(iii) The highmast shall have an integrated power tool installed inside the base compartment of the mast</p> <p>(iv) The highmast shall be provided with aviation obstructing lighting fitting with 1 No. LED aviation obstructing lamp</p> <p>(v) Necessary wiring materials of suitable capacity for giving connections to luminaries.</p>	5 Nos		

	<p>(vi) Fabrication, Supply and Erection of suitable feeder pillar box fabricated with 16 SWG CRCA sheet with powder coated painting duly providing 1 No. 63 Amp TP MCB as incomer, 1 No. 32 Amp 3 pole MCB for motor protection, 1 No. ML 6 contactor, 20 Amp astronomical timer, 32 Amp 5 pin metal clad socket. MCBs & metal clad sockets and contactors & timer. Suitable capacity of 3 pole contactor with interlocking facility for motor operation and necessary push button are to be provided</p> <p>(vii) Supply and laying of 25 sq.mm x 4 core aluminium conductor LT XLPE armoured UG cable of Polycab/KEI/Havells in 50mm dia 'B' class GI pipe between pillar box and highmast(12 Mtr. per highmast)</p> <p>Note: (a) The technical specification of highmast, design, lantern carriage enclosed</p> <p>(b) Incoming Power Supply to the mast is in contractor scope only.any extra cable required the at the time of Installation it is in contractor scope only.</p> <p>(c) The average illumination level shall be at 40 to 45 lux at the ground level.</p> <p>(viii) Civil Foundation drawing to be submit along with technical bid document ***Bidder must take the soil investigation sample at 2 Mtr. depth for the each foundation location at site & for evaluation of the SBC (soil bearing capacity) from reputed testing laboratory, according to the SBC for individual locations bidder need to design the civil structural calculation and prepare the foundation drawing for the each high mast seperately.*** Cement, steel and stone required for casting of suitable shallow foundation with M-25 concrete for the highmast, necessary foundation bolts, manufactured from special steel along with nuts, washers, anchor plates, templates.</p> <p>(ix) The highmast shall be provided with 2 Nos. of independent earthing with GI pipe as per IS 3043-1987 and giving earth connections with 25x3mm GI Flat.</p>			
2	Supply, fixing of 340W LED Flood light system Integrated EL driver IP66 Make: PHILIPS/CROMPTON/BAJAJ	16Nos Per Mast X5Nos =80Nos		
Grand Total				

In words Rupees _____)only

Note: 1) The prices quoted are inclusive of all taxes, Commissioning, Testing and Transportation Charges.

2) Any statutory recoveries (IT, GST, etc) will be deducted and remitted to the concerned departments as per norms.

Signature of the Bidder with Seal

RGUKT Ref. No. RGUKT-B/Proc/HMLS/T02/2019, dt.20.02.2019.

PERFORMANCE SECURITY FORM

(To be issued by any Schedule/Nationalized bank, payable at a branch in Basar)

To :.....(Address of RGUKT)

WHEREAS..... (Name of Vendor) hereinafter called “the Vendor” has undertaken, in pursuance of

Contract No.....Dated,.....(Date), to supply.....called “the Contract” AND WHEREAS it has been stipulated by you in the said Contract, that the Vendor shall furnish you with a Bank guarantee by a recognized bank for the sum specified therein as security for compliance with the supplier’s performance Obligations in accordance with the Contract.

WHEREAS we have agreed to give the Vendor a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Vendor, up to a total of Rs.....and we undertake to pay you, upon your first written demand declaring the Vendor to be in default under the contract and without Cavil or argument any sum or sums within the limit of Rs..... (Amount of Guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until theday of (Date)

Place:

Signature of Guarantors

Date:

and Seal.

SUPPLY AGREEMENT FORM

THIS AGREEMENT made the day of..... (Year).Between the Rajiv Gandhi University of Knowledge Technologies (hereinafter “the RGUKT”) of one part and..... (Name of Vendor) of..... (City and Country of Vendor) (Hereinafter “the Vendor”) of the other part:

WHEREAS the RGUKT is desirous that certain items as described in the bid document and briefly outlined below, should be provided by the Vendor.

Date of tender call:

Title of the project:

Brief outline of the work:

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

In this agreement words and expression shall have the same meanings as are respectively assigned to them in the bid document referred to.

The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.

1. bid documents
2. clarifications issued by RGUKT if any,
3. RGUKT notification of award.

In consideration of the payments to be made by the RGUKT to the Vendor as hereinafter mentioned, the Vendor hereby covenants with the RGUKT to provide the **items and to replace defective items during the warranty period** therein in conformity, in all respects, with the provisions of the contract.

The RGUKT hereby covenants to pay the Vendor in consideration of the provision of the items and **to replace defective items during the warranty period** therein, the contract price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

Brief particulars of the items which shall be provided by the Vendor are as under:

Item Description	Quantity	Unit Price without taxes	Taxes and duties (Tax.....%)	Total price with taxes and duties

The Bidder further notes and accepts that:-

- Bidder shall deliver the goods in within 90 days from the date of award of the contract.

Payment terms	
On delivery at user site	<p>Payment for goods and services shall be made in Indian rupees as follows.</p> <p>1.80% of payment will be paid after installation, and demonstrating of satisfactory functioning on site.</p> <p>2.Balance 20% will be paid after 45 days after obtaining the satisfactory certificate from the authorities concerned.</p>
Maximum Liquidated Damages for late deliveries	<p>For delays:- If the supplier fails to deliver any (or) all of the goods or perform the services within the time period specified in the contract the purchaser shall without prejudice to its other remedies under the contract deduct from the contract price as liquidated damages a sum equivalent to 1% of the contract value per each week of delay subject to the maximum of 10%. Once the maximum deduction is reached, the purchaser may consider the termination of the contract duly forfeiting the performance security etc.,</p>

In addition if the contract is cancelled, the performance security will be en-cashed and forfeited.

- In case, after random sampling of the supplied lot, it is found that there is any non conformance to specifications, the performance guarantee will be en-cashed and forfeited and the bidder will have no claim to any payments. The entire lot will be rejected.
- The supply, installation, commissioning and Testing of Items shall be done at the premises of RGUKT-Basar located in Nirmal District of Telangana State.

- There shall be a warranty period of 2 years and within the warranty period, in case of any damage to the supplied material like breakage, wear and tear, Electrical defects etc., it will be the responsibility of the supplier to make working the damaged material.
- If there are any deviations in the specifications of the materials supplied or indicates non conformance, the entire lot will be rejected and the contract will stand cancelled without any liability on the part of RGUKT. In addition, this event shall lead to the forfeiture of the performance security amount.
- All disputes and differences of any kind whatsoever arising out or in connection with contract, whether during or after completion of contract will be settled amicably in a spirit of co – operation and the RGUKT decision shall be final on all such matters and shall be binding on the bidder.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year above written.

Signed, and delivered by

Signed, and delivered by

For the Vendor.

For. Rajiv Gandhi University of

Vendor's common seal:

Knowledge Technologies

RGUKT common seal:

Place: Basar

Place: Basar

Date:

Date:

In the presence of:.....

Bid Letter Form

From:

(Registered name and address of the bidder)

To

Rajiv Gandhi University of Knowledge Technologies,
Basar, Village & Mandal,
Nirmal, Telangana-504107.

Sir,

Having examined the bidding documents and amendments there on, we the undersigned, offer to supply, installation, Commissioning and Testing of High Mast Lighting Systems, in conformity with the terms and conditions of the bidding document and amendments thereon in response to your tender call dated.....

We undertake to supply the above mentioned materials, as assigned to us in conformity with the said bidding documents, for an estimated sum of Rs (Total bid amount in words and figures) which may vary in accordance with the schedule of prices attached herewith and coverage options made by RGUKT or its user organization.

If our bid is accepted, we undertake to:

- a. supply the materials according to the time schedule specified in the bid document,
- b. Obtain the performance guarantee from a scheduled bank in accordance with bid requirements for the due performance of the contract, and
- c. Agree to abide by the bid conditions, which remain binding upon us during the entire bid validity period and the bid may be accepted any time before the expiration of that period.
- d. We understand that you are not bound to accept the lowest or any bid you may receive, nor to give any reason for the rejection of any bid, and that you will not defray any expenses incurred by us in bidding.

Place:

Bidder's Signature

Date:

Seal.

Bidder Information

‘ IN TECHNICAL BID’

1	Name of the organization	
2	Year of establishment	
3	Registered Office Address	
4	Name & Designation of Authorized person	
5	Phone No.	
6	Fax No.	
7	Email	
8	Bank Details of the Agency	
	Bank Name	
	Bank Address	
	Bank Account Number	
	IFSC Code	
9	PAN No.	
10	TIN No.	
11	Total No. of branch offices in Telangana	
12	Details of EMD furnished	
13	Details of certificates enclosed.	

IN TECHNICAL BID

Turnover details of item/product - Last three years

S.No.	Item name	Nos. sold	Amount (Rs in Lakhs)

List of Major Customers -

S. No	Customer Full Address	Year of supply	Item Name	Turn Over (Rs. In Lakhs)

CHECK LIST

Important:

The Bidder must ensure that the following details in the check list are furnished along with the bid document. The bidder must also carefully go through all the contents of the BID Document and any additional information/documents, required more than the items listed in the check list below, also shall have to be furnished. Non-furnishing of any required information/document as per the Tender Document will lead to rejection of the bid.

S.No.	Details	Page. No.	Name of the file uploaded
1	Tender Document Fee / Bid Processing Fee in the form of DD		
2	EMD in the form of DD		
3	Copy of Registration Certificate		
4	Constitution/legal status of the firm.		
5	BIDDER SHOULD BE AN ORIGINAL EQUIPMENT MANUFACTURER FOR BOTH HIGH MAST SHAFT & LUMINARIES OR ITS AUTHORISED DEALER HAVING MOU FROM MANUFACTURER. So that the proofs should be submitted.		
6	Copy of A grade Electrical Contractor License		
7	Bidder should have Valid Civil Registration certificate from the state govt/central govt.		
8	1) BIDDER SHOULD HAVE LATEST ISO CERTIFICATION FOR MANUFACTURING FACILITIES		
9	Copies work orders and work completion certificates received from the Government organizations.		
10	Latest solvency minimum of 3 crores from nationalised bank		
11	A certificate of the bidders turnover in Rupees for the last three Financial years (i.e. 2013-14, 2014-15 and 2015-16) must be enclosed and be duly certified by firm of Chartered Accountants.		

12	The bidder should have completed minimum three works of similar nature of minimum value of Rs300.00 Lakhs each or two works of value Rs150.00 Lakhs each or one work of Rs400.00 Lakhs in their name, during last three years. Photocopies of the completion certificates and award letters should be submitted		
13	Copy of valid GST registration		
14	Copy of PAN/TAN card		
15	Latest Income Tax Return filed		
16	Latest VAT/CST returns filed		
17	Power of Attorney, wherever applicable		
18	List of present clientele with addresses & phone numbers		
19	Site Visit Certificate		
20	All other information/ documents that are required in the Bid documents.		

NOTE: 1. All pages of the bid documents must be serially numbered and signed.

- 2. All such documents required as mentioned in the tender document shall be uploaded without failure even if not mentioned in the above checklist**