



EPABX: 080-23086100/218/217  
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**ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH  
HESSARAGHATTA LAKE POST, BANGALORE-560 089**

We have a requirement of the goods and services as indicated below, tender for which you are invited to submit your most competitive quotation for the same. All the relevant details are given below.

**NOTICE INVITING TENDER (TWO BID SYSTEM) THROUGH E-PROCUREMENT  
TOWARDS Repair and Renovation of Electrical systems in Incubation Rooms opp. to Works  
unit at ICAR-IIHR, Hesaraghatta, Bangalore.**

The tender document contains the following:-

- Annexure-I - “ Specification and other details ”**  
**Annexure II – “ Instructions for Online Bid Submission ”**

<b>Tender Enquiry No. : F. No.5-89/2018-19/SP / Repair and Renovation of Electrical systems /</b>	
<b>Date and Time for Issue/Publishing</b>	<b>05.10.2018 at 03.00 PM</b>
<b>Document Download Date and Time</b>	<b>05.10.2018 at 03.00 PM</b>
<b>Bid Submission start Date and Time</b>	<b>05.10.2018 at 03.00 PM</b>
<b>Bid Submission End Date and Time</b>	<b>29.10.2018 at 03.00 PM</b>
<b>Date and Time for Opening of Bids</b>	<b>31.10.2018 at 11.00 AM</b>

**IMPORTANT NOTES:-**

- i. Tender Documents can be downloaded from IIHR website [www.ihr.res.in](http://www.ihr.res.in) or from the Central Public Procurement Portal [www.eprocure.gov.in](http://www.eprocure.gov.in). Bidders should enroll / register in the e-procurement module of Central Public Procurement Portal through the website : [www.eprocure.gov.in](http://www.eprocure.gov.in) for participating in the bidding process. Bidders should also possess a valid DSC for online submission of bids.
- ii. **Bids received on e-tendering portal only will be considered. Bids in any other form sent through sealed cover/email/post/fax etc. will be rejected.**
- iii. The Director, IIHR reserves the right to accept / reject any or all the tenders in part /full without assigning any reason thereof.
- iv. IIHR will not be responsible for any delay in enrollment / registration as bidder or submitting /uploading the offer on e-tender portal. Hence, bidders are advised to register in e-tendering website [www.eprocure.gov.in](http://www.eprocure.gov.in) and enroll their Digital Signature Certificate and upload their quotation well in advance.
- v. Any change / corrigendum/ extension of opening date in respect of this tender shall be issued through websites only and no press notification will be issued in this regard. Bidders are therefore requested to regularly visit our website for updates.
- vi. The tender form/bidder documents may be downloaded from the website:

<https://eprocure.gov.in/eprocure/app> . Online submission of Bids through Central Public Procurement Portal ( <https://eprocure.gov.in/eprocure/app>) is mandatory. Manual bids shall not be accepted.

- vii. Tenderers/bidders are requested to visit the website <https://eprocure.gov.in/eprocure/app> regularly. Any changes/modifications in tender enquiry will be intimated by corrigendum through this website only.
- viii. In case, any holiday is declared by the Government on the day of opening, the tenders will be opened on the next working day at the same time. The Ministry reserves the right to accept or reject any or all the tenders.

The Firms are required to furnish / upload copies of the following documents:

- I. Scanned copy of Firm's registration and GST No.
- II. RTGS detail of the firm.
- III. Scanned copy of similar contracts to Government Departments.

We agree to supply the above goods and allied services. We confirm that the same will meet the description, specification and other technical details as required in the tender enquiry.

We conform that we agree to all other terms and conditions of your tender enquiry including the terms of delivery, period of delivery and warranty provision.

We have furnished all the information, as required in the tender enquiry and attached the relevant documents.

(In case a tenderer desires to put some additional/modified stipulations, terms and conditions etc. the same may be clearly indicated).

We confirm that our offer will remain valid for acceptance for **180days** after the date of opening of tenders.

**Sd/-**  
**(G.G. HARAKANGI)**  
**CHIEF ADMINISTRATIVE OFFICER**



ಭಾರತೀಯ ತೋಟಗಾರಿಕೆ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ  
भारतीय बागवानी अनुसंधान संस्थान  
INDIAN INSTITUTE OF HORTICULTURAL RESEARCH (ICAR)  
ಹೆಸರಗಟ್ಟು ಕೆರೆ ಅಂಚೆ, ಬೆಂಗಳೂರು-೫೬೦೦೮೯.  
ಹೆಸರಗಟ್ಟು ಲೇಕ ಪೋಸ್ಟ್, ಬೆಂಗಳೂರು - 560 089  
HESSARGHATTA LAKE POST, BANGALORE - 560 089



F. No.5-89/2018-19/SP/Repair and Renovation of Electrical systems/

Dt:05.10.2018

Sir,

You are invited to submit your most competitive quotation for the following works:-

Sl. No.	BRIEF DESCRIPTION OF THE WORKS	EMD
1.	<b>Repair and Renovation of Electrical systems in Incubation Rooms opp. to Works unit at ICAR-IIHR, Hesaraghatta, Bangalore. (Specification : Enclosed Annexure –I)</b>	<b>Rs.23,667/-</b>

To assist you in the preparation of your Quotation, we are enclosing the following details of work:-

1. The Contract shall be for the whole works as described in the specifications, Corrections if any shall be made by crossing out initialing, dating and reviewing.
2. The CGST, SGST & IGST Rates and amount should be shown separately in the quotation along with GST Number otherwise quotation will be rejected.
3. The Rates quoted by the Bidder shall be valid at least for a period of not less than **180 Days**.
4. The rates quoted by the bidder shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.
5. The bidder is advised to visit the site of works at his own expenses and obtain all information that may be necessary for preparing the quotation.
6. Each Bidder shall submit only one Quotation.
7. Notwithstanding the above, the IIHR reserves the right to accept or reject any Quotations and to cancel the bidding process and reject all Quotations at any time prior to the award of contract.
8. No advance or part payment will be given. Payment will be arranged only after Satisfactory completions of the work duly certified by the works unit of IIHR.
9. Quotations should be submitted along-with Earnest Money Deposit (Interest Free) of **Rs.23,667/-** for the above item by way of Demand Draft drawn in favour of the Director, Indian Institute of Horticultural Research, Bangalore 89 payable at Central Bank of India, Hesaraghatta Branch, Bangalore 89. Quotations without EMD or insufficient EMD will not be considered. The EMD will be liable to be forfeited, if the Contractor/Agency withdraws or amend, impairs, or derogates the Quotation, in any respect within the period of validity of this Quotation. **(If any firm/Contractor has EMD exemption, they must attach copy of exemption certificate with quotation).**
10. EMD of unsuccessful agency/contractor (except L1, L2 & L3) remitted in the form of DD will be returned to the concerned contractor without any interest thereon, as early as possible.

11. The EMD amount is to be deposited in the tender box with superscription before due date.
12. The Successful Bidder shall have to deliver the performance security either by a Bank Guarantee or a Bank Draft in favour of the Director IIHR, for an amount equivalent of 10% of the Contract price. The Performance Security shall be valid till the expiry of the period/ maintenance of work.
13. Income tax will be deducted from the total bill of the executing agency/contractor as per govt. Rate.
14. only those firms/agencies/contractors registered with CPWD/KPWD/Railways/MES need apply.
15. For water & Electricity supplied by this institute 2% of the cost shall be recovered.
16. Penalty will be imposed at 0.50% per week maximum to 10% of the total cost of work, if works are not completed within scheduled item or mutually extended period. The Director, IIHR, may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 10% of the contract amount.
17. **The bidders have to enclose the photo copy of the documents viz Registration Number with KPWD/CPWD/MES/Railways registration details, pan no/copies of the IT returns for the previous three years , Tin no./GST registration No./labour registration no./experience in executing similar works.,**
18. **The bill is to be submitted in triplicate in GST prescribed Performa with details of CGST,SGST and IGST rates, amount and GST number.**

**Important Instructions:-**

**All are requested to furnish the required important documents, failing which the bid will be rejected without any notice.**

You are requested to provide your offer latest by **29.10.2018 up to 3.00 PM** through CPPP only.

**Sd/-  
(G.G. HARAKANGI)  
CHIEF ADMINISTRATIVE OFFICER**

**Encl: As above.**

**Annexure –I**

**Specification for Repair and Renovation of Electrical systems in Incubation Rooms opp. to Works unit at ICAR-IIHR, Hesaraghatta, Bangalore.**

<b>Sl.</b>	<b>Description</b>	<b>Qty.</b>
1	Wiring for light point/fan point with 1.5 Sq mm FR PVC insulated copper conductor Multy strand single core cable including earth wire, casing and capping/PVC Conduit as per required. Including Modular Holders, Regulators, 10 Amps switch with mounting box & etc. Wire: - Havel's/V Guard. Switches: - Roma/Legrand.	104 points
2	Wiring for Socket point with 4 Sq mm FR PVC insulated copper conductor Multy strand single core cable including earth wire, casing and capping/PVC Conduit as per required. Including Modular 10 Amps and 20 Amps switches and 5 pin Sockets to be fixed in a 6 Modular mounting box and Plate. (1 set). Wire: - Havel's/V Guard. Switches: - Roma/Legrand.	102 Points
3	3 Phase Wiring for MCB by using 6.0 Sq mm FR PVC insulated copper conductor Multy strand single core cable including Neutral and earth wire connections, casing and capping/PVC Conduit as per required. Wire: - Havel's/V Guard.	36 RMT
4	Supplying and fixing of 64 A 4 pole MCB with metal box. (Havel's/Indo Asian).	1 Set.
5	Supplying and fixing of 32 A 4 pole MCB with metal box. (Havel's/Indo Asian).	5 Sets.
6	Supplying and fixing of 32 A 2 pole MCB with metal box. (Havel's/Indo Asian).	14 Sets.
7	SITC of 160 Amps Outdoor type 4P MCCB with Accessories including end termination by using suitable lugs. (L/T or Havel's)	1 Set
8	Supplying and fixing of 200 Amps open type 4 way copper Bus bar box of size 24" X 24" with cable termination by using copper lugs.	2 Set. (for Room 1&2)
9	Supplying and fixing of 100 Amps open type 4 way copper Bus bar box of size 12" X 12" with cable termination by using copper lugs.	4 Sets.
10	Supplying and fixing with 8 way SDB box with MCB's. ( for Lighting Points). 10 Amps SP MCB -- 5 Nos 20 Amps DP MCB -- 1 No for Mains. (Indo Kopp/Indo Asian/Legrand/Bentec)	1 Job. (for Room 1&2)
11	Supplying and fixing with 8 way SDB box with MCB's. ( for Lighting & Power Points). 10 Amps SP MCB -- 5 Nos 20 Amps SP MCB -- 10 Nos. 32 Amps DP MCB -- 1 No for Mains. (Indo Kopp/Indo Asian/Legrand/Bentec)	4 Jobs. (for Room 3-10)
12	Supplying & Fixing 36 way 3 Phase DB box with 100 A 4P MCCB for Mains 63 A 3P MCB (1 No) 32 A 3P MCB (6 No's) 32 A SP MCB (3 No's) 20 A SP MCB for Power points. (10 No's) (Indo Kopp/Indo Asian/Legrand/Bentec)	1 Job. (for Room 1&2)
13	Wiring for sub main from main Feeder Pillar box to 160 A MCCB box by using 70X3.5 sqmm UG Cable along with earth wire of 16 SWG copper conductor with concealed(By DWC pipe) and on surface by PVC conduit with end termination as required (As per the site requirement.)	30 Mtrs .

14	Wiring for sub main from main Feeder Pillar box to TPDP box by using 50X4 sqmm UG Cable along with earth wire of 16 SWG copper conductor with concealed(By DWC pipe) and on surface by PVC conduit with end termination as required (As per the site requirement.)	32 Mtrs.
15	Wiring for sub main from main Feeder Pillar box to Bus bar boxes by using 25X4 sqmm UG Cable along with earth wire of 16 SWG copper conductor with concealed(By DWC pipe) and on surface by PVC conduit with end termination as required (As per the site requirement.)	105 Mtrs.
16	3 Ph Wiring for sub main from main DB box/Bus Bar to end points with earth wire of following sizes of FR PVC insulated copper conductor cable in concealed/surface PVC conduit with end termination as required a) 6 Sqmm multi strands. (V Guard/ Havel')	48 Mtr
17	Supplying and fixing of 18-20 W LED tube light fittings as required at site. (EESL)	17 Nos
18	Supplying and fixing 15-18 W LED fittings concealed type (for false ceiling) including connection as required at site. (Usha/Crompton/Havel's/Bajaj/EESL/Syska)	44 Nos
19	Supplying and fixing 24 W LED street light fittings including connection as required at site. (Usha/Crompton/Havel's/Bajaj/EESL/Syska)	4 Nos
20	Supplying and fixing 1400 mm sweep ceiling fan including connections, testing, commissioning & etc as required. (Usha/Crompton/Havel's/Bajaj/EESL)	21 Nos
21	Supplying and fixing wall mounting fan including connections, testing, commissioning & etc as required. (Usha/Crompton/Havel's/Bajaj/EESL)	8 Nos
22	Supplying and fixing 12" X 12" Exhaust fan including connections, testing, commissioning & etc as required. (Usha/Crompton/Havel's/Bajaj/EESL)	6 Nos
23	Wiring for Intercom connections by using casing and capping & 4 Pair cable with I/O boxes.	9 Points
24	Supply of Telephone instruments Table top type.(Beetel).	9 No's
25	Wiring for LAN connections by using casing and capping & CAT 6 with provision for fixing D link I/O box (2 Points)Telephone instruments.	18 Points
26	SITC of 20 Pair armored jelly filled telephone cable in 30 mm DWC Pipe Cable directly in ground at a depth of 3 feet including excavation and refilling the trench (including earthing and end termination) etc. as required at the site.	120 Mtrs
27	Supply and Installation of 20 Pair water proof Distribution box with Krone module and installation and termination.	1 No
28	Specifications: SITC of outdoor type feeder pillar with Compartmentalized cubical type totally enclosed, dust and vermin proof welded construction mounted on brick masonry foundation. 50 cm height above ground level, made out of 2 mm thick MS sheet steel with suitable stiffeners of angle iron, with front and back doors in two halves with locking arrangement. I/P & O/P drilling holes, painting with one coat of anti corrosive paint and two coats of approved enamel paint, Consisting of 400 Amps Capacity Copper Bus Bar, common neutral link, earth bar and din bar for mounting and making interconnections, providing and fixing Danger notice plates, earthing the body etc, as required and confirming to the requirements as per IE Standards and General Specifications for the Electrical works, including all accessories like Indicators and metering(Volt meter & Ammeter with control) as required at site, and also to accommodate the following switch gear etc.  a) 320 Amps, four pole 50 KA Breaking capacity, L/T MCCB, complete as required switch	1 Set

	<p>panel, suitable 415 Volts, 3 phase, 50 Hz 1 No (I/P).</p> <p>b) 250 Amps, four pole 36 KA Breaking capacity, L/T MCCB, complete as required switch panel, suitable 415 Volts, 3 phase, 50 Hz 2 No's (O/P).</p> <p>c) 125 Amps, four pole 36 KA Breaking capacity, L/T MCCB, complete as required switch panel, suitable 415 Volts, 3 phase, 50 Hz 2 No's (O/P).</p> <p>d) 63 Amps, four pole 36 KA Breaking capacity, L/T MCCB, complete as required switch panel, suitable 415 Volts, 3 phase, 50 Hz 5 No's (O/P).</p>	
29	Providing Earthing connection as per IE specification, using 8 SWG, Copper wire & Copper plate of 350mm X 350 mm X 6 mm with penal system and 1.5 inch GI pipe 'C' class using charcoal salt etc at a depth of three meters with cement chamber and funnel type, complete as Indian Electricity Standards and site requirements (Connecting upto end points).	6 Sets
30	Supplying and laying of fallowing sizes of PVC insulated Alluminium conductor wired Armored UG cable in DWC Pipe double walled corrugated high density poly ethylene pipe having corrugation on the outer wall 90 mm and plain surface inner wall of 80 mm sizes conforming to IS14930, with necessary DWC fitting for protection of 1.1 KV grade UG Cable directly in ground at a depth of 3 feet including excavation and refilling the trench (including earthing and end termination) etc. as required at the site. Root markers also to be fixed directly in to the ground. (V guard, Havel's & Poly cab with ISI). 240 sq mm x 3.5 core.	395 Mtrs
31	Supplying and erecting superstructure framework. : The work shall include cutting, threading, welding, hoisting, grinding, finishing, painting joints with zinc rich primer etc complete. complete as per directions: GI pipes ('B' class ISI- medium,1239) a.50mm OD GI pipes for vertical member at minimum weight 6.17 kg/ per meter x 100rmt for Six rooms for fixing of fans with necessary clamps and welding of horizontal and pipes on both ways as directed at site .	618 kg
32	<b>Note***:-Room no 3 to 7 provision to be made for connecting UPS in future.</b>	
	<b>Grand Total (Rs.)</b>	

Sd/-  
(G.G. HARAKANGI)  
CHIEF ADMINISTRATIVE OFFICER

**INSTRUCTIONS FOR ONLINE BID SUBMISSION:**

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL: <http://eprocure.gov.in>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:

<https://eprocure.gov.in/eprocure/app>

**REGISTRATION:**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Click here to Enroll”. Enrolment on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their userID / password and the password of the DSC / eToken.

**SEARCHING FOR TENDER DOCUMENTS:**

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective „My Tenders“ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.



### **PREPARATION OF BIDS:**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

### **SUBMISSION OF BIDS:**

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 4) The serve time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 5) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by

unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.

- 6) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 7) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 8) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

**ASSISTANCE TO BIDDERS:**

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

For any technical related queries please call the Helpdesk, Mobile Number -

+91 8826246593 Tel: The 24 x 7 Help Desk Number 0120-4200462, 0120-4001002.

E-mail: support-eproc[at]nic[dot]in

Note: Bidders are requested to kindly mention the URL of the Portal and Tender Id in the subject while emailing any issue along with the Contact details.

**Sd/-**  
**(G.G. HARAKANGI)**  
**CHIEF ADMINISTRATIVE OFFICER**

**TENDER ACCEPTANCE LETTER**  
**(To be given on Company Letter Head)**

Date:

To,

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**Sub: Acceptance of Terms & Conditions of Tender.**

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: -

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Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

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as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract , without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)