

## INDIRA GANDHI ENGNEERING COLLEGE SAGAR

(Jabalpur Road, Baheriya Gadgad, Sagar - 470021)

www.lgecsagar.ac.in E- mail: dr.principalgec@rediffmail.com Principal Mobile No-9826735071

Sr.No./IGEC/ME/2022/ 274 8

Date: 08/02/2022

## INVITATION FOR QUOTATION

To,

Institute website

**IGEC Sagar** 

Subject: Invitation for quotation for supply of 3-D Printer (01 Nos).

Dear Sir,

 You are invited to submit your most competitive quotation for the following goods/Lab equipment.

Description	Specification				
Maximum Printable Area	200mm*250mm*200mm				
Filament Diameter	1.75mm				
Extruder Diameter	0.6mm				
Extruder Temperature	upto 270 °C				
Number Of Extruders	2				
Model Of Extruders	Direct drive all metal dual Extruders				
Recommended Materials	Engineering grade thermoplastie — ABS, ABS+, ASA PLA CF, PETG.HIPS, PC, PC-ABS, Flexible filament PLA, PLA Tough				
Material Support	Non Hygroscopic HIPS				
Print Accuracy	+/-80 - 150 microns				
Maximum Print Speed	200mm/sec				
Maximum Travel Speed	300mm/sec				
Print Time	3 mins For 1 cubic cm part with 50% intill.				
Layer Precision	0.1-0.30 mm				
Heated Bed	Yes				
Bed Temperature	110 max				
LCD Support	Yes				
Connectivity	USB, SD card, wifi				
Print Monitoring System	In build camera with Wifi connectivity				
Enclosure Type	Complete enclosed chasis, even spool is covered				
Software Supported	Repetier, Cura, Custom Software for DBZ, Kislicer				
Total Machine Weight	35Kg				
Power Requirement	110-220VAC, 700 Wait PSU with 1 Year Warranty				
Run Time Change Setting Option	Yes				

Warranty	Yes (pause and resume even after extruder movement), Semi-Automatic			
Pause Print Option				
XY Precision	Positional accuracy 16 micron using HIWIN High Precision Linear Guide Rails.			
Noise Level	less than 70db			
Training	Covered under 2 days free training			

Please refer the institute website <u>www.igecsagar.ac</u>.in for detailed terms and conditions.

We look forward to receiving your quotation and thank you for your interest in this project.

Principal

Indira Gandhi Engineering College,

Sagar (M.P.)

# INDIRA GANDHI ENGINEERING COLLEGE SAGAR, MADHYA PRADESH

(Near Makroniya Railway Station, Jabalpur Rd, Baheriya, Madhya Pradesh 470021)

# Department of Mechanical Engineering

BID	SYNOPSIS
Notice inviting quotation Reference Number and Date	
Brief Description of the item to be purchased	3-D Printer
Last Date and Time for receipt of quotation	24/02/2022, 3.00 p.m.
Mode of submission of quotation	By Speed Post/ Register Post/ Courier/ Hand delivery at the postal dispatch section of IGEC SAGAR.
Due Date, time & venue Opening of quotation	25/02/2022 at 3.30 p.m. in Mechanical deptt. Office
Date and time of opening of Price bids	25/02/2022 at 3.30 p.m. in Mechanical dept. Office
Address for submission of quotation	Principal, Indira Gandhi Engineering college Sagar Kind attention: Prof S K Saluja, HOD Department of Mechanical Engineering
Procedure for submission of Bid	Envelope 1: Technical Bid Envelope 2: Price bid Envelope 3: Larger size Outer Envelope (Wrapper)
Contract person for Technical Queries	Name of quotation Inviting Faculty: Prof S K Saluja (HOD) Designation :Associate Professor Name of the Department :Mechanical Engineering Indira Gandhi Engineering college Sagar Ph. no 9826252684

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## **Notice Inviting Quotation**

Indira Gandhi Engineering college, Sagar (herein after referred to as IGEC Sagar) is an Educational Institution of State Importance, invites sealed quotation from reputed Original Equipment Manufacturers or their authorized agents/ dealers/ distributors/channel partners for Supply, Installation and Commissioning of the following equipment as per the detailed technical specification given below:

## CHAPTER 1: DETAILED TECHNICAL SPECIFICATIONS

Description	Specification				
Maximum Printable Area	200mm*250mm*200mm				
Filament Diameter	1.75mm				
Extruder Diameter	0.6mm				
Extruder Temperature Number Of Extruders	upto 270 °C				
Number Of Extruders	2				
Model Of Extruders	Direct drive all metal dual Extruders				
Recommended Materials	Engineering grade thermoplastic — ABS ABS+, ASA, PLA CF, PETG,HIPS, PC PC-ABS, Flexible filament, PLA, PLA Tough				
Material Support					
Print Accuracy	Non Hygroscopic HIPS +/-80 - 150 microns				
Maximum Print Speed	200mm/sec				
Maximum Travel Speed	300mm/sec				
Print Time	3 mins For 1 cubic cm part with 50% infill.				
Layer Precision	0.1-0.30 mm				
Heated Bed	Yes				
Bed Temperature	110 max				
LCD Support	Yes				
Connectivity	USB, SD card, wifi				
Print Monitoring System	In build camera with Wifi connectivity				
Enclosure Type	Complete enclosed chasis, even spool is covered				
Software Supported	Repetier, Cura, Custom Software for DBZ, Kislicer				
Total Machine Weight	35Kg				
Power Requirement	110-220VAC, 700 Watt PSU with 1 Year Warranty				
Run Time Change Setting Option	Yes				
Warranty	1 Year				
Pause Print Option	Yes (pause and resume even after extruder movement), Semi- Automatic				
XY Precision	Positional accuracy 16 micron using HIWIN High Precision Linear Guide Rails.				
Noise Level	less than 70db '				
Training	Covered under 2 days free training				

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## **CHAPTER 2: QUOTING PROCESS**

- The sealed Quotation should be submitted on or before 24/02/2022 at 3.00 P.M., through post or hand delivery and addressed to the Principal, Indira Gandhi Engineering College Sagar Madhya Pradesh, 470021
- At the first stage the envelope containing Technical Bid will be opened on 25/02/2022 at 3.30 P.M in the presence of the bidders or their authorized representatives, who choose to be present at the time of opening.
- If in any case, unscheduled holiday occurs on prescribed closing/ opening date, the next working day shall be the prescribed date of closing/ opening.
- At the Second stage, price bid of the technically acceptable offers will be opened for further evaluation and ranking for award of the contract/ purchase order.
- The bidders are advised to go through the notice inviting quotation documents and understand the terms and conditions specified therein before submitting the quotation.
- The quotation document consisting of Technical Bid (along with all annexures to the technical bid) and Price Bid should be submitted in the Prescribed Format only.
- The bidders are not allowed to make any addition or alteration in terms and condition in the notice inviting quotation documents. Quotation with change will not be entertained.
- 8. Each and every page of the submitted bid shall carry the page numbers.
- All pages of the quotation document shall be signed by the person or persons duly authorized to sign, on behalf of the bidder.
- 10. No paper / page shall be detached from the quotation document. No addition or alternation should be made in the quotation document. Conditional quotation, late and delayed quotation will not be accepted/ considered.
- 11. Printed condition at the back of the letter or bid from the supplier will be ignored. If it is desired to apply any particular condition to bid, that must be clearly brought out in the body of the bid itself.
- The Vendor/Bidder shall be responsible for any postal delay in receipt of the offer. Quotation should be properly sealed.
- The Vendor/Bidder will be responsible for any pre mature opening of the quotation. prior to reaching to the institute)
- 14. The offers submitted by telex/ telegram/ fax/ E-mail etc. shall not be accepted and will be summarily rejected.
- 15. The Vendor/Bidder should stamp and sign on each page of the technical and price bid.
- 16. Offers should be clearly written or typed without any cutting or over writing. Any cutting / over writing shall not be entertained.
- Bidders must confirm the acceptance of all the terms and conditions of the notice inviting quotation.
- 18. Making misleading or false representation in the bid document will lead to disqualification of the bidder.
- The quotation should be submitted through Registered Post or Speed Post or through Hand delivery.

## CHAPTER 3: SPECIAL INSTRUCTIONS TO THE

BIDDERS Procedure for sealing and marking of bids: The quotation / Bid Cover shall contain the following:

- a) FIRST envelope should contain the Technical Bid along with enclosures desired in the quotation. This envelope should be sealed and super scribed as "TECHNICAL BID" Cover.
- b) Second envelope should contain the Price Bid. This envelope should be sealed and super scribed as "PRICE BID" Cover.
- c) All the above mentioned TWO SEPARATE ENVELOPS are to be sealed and kept in one single Larger size outer envelope (Third envelope) which should also be sealed and super scribed.
- d) Each of the THREE ENVELOPS shall be super scribed with following details:

Notice in	viting quot	ation reference	Number			for
supply o						
quotation						time
						f Dept. of
		ing, IGEC Sagar,				
Baheriya,	Madhya Pra	adesh 470021				
Name	and	complete	address	of	the	Bidder

- e) If the TWO inner envelops and the ONE outer envelope (i.e., larger envelope) are not sealed and marked as instructed, IGEC Sagar will assume no responsibility for the misplacement or premature opening of any of the envelope. An envelope opened prematurely will be rejected.
- f) There shall NOT be any price indication in the technical bid. If for any reason, it is found that the technical bid reveals the price bid related details in any manner whatsoever, or, the price bid is enclosed in the envelope super scribed, "Technical Bid", the bid document will be summarily rejected in the first instance itself. Any offer containing both the Technical bid and Price bids in the same envelop will also be out rightly rejected.

# CHAPTER 4: TERMS AND CONDITIONS FOR PURCHASE

Eligibility: The Bidder must be an Original Equipment Manufacturer (OEM) or his Authorized Dealer/ Authorized Distributor/ Authorized Stockiest/ Channel Partner having a Direct Purchase and Support agreement with the OEM. In case, if the Bidder is a Dealer/ Distributor, A valid LETTER OF AUTHORIZATION from the Original Equipment Manufacturer for Dealership, Distributorship or for channel partnership must be attached in original, with technical bid, without which the offer will not be considered.

In respect of High Value procurements the following criteria will be applied: The bidder should have executed (i) three similar works, each of value not less than 40% of the estimated cost put to quotation or (ii) Two similar works, each of value not less than 50% of the estimated cost, or (iii) one similar work of value not less than 80% of the estimated cost, during the last 7 years ending on the last day of the month previous to the one in which the quotation are invited.

Technical Specifications are basic essence of the product. It must be ensured that the offers are strictly as per our specifications. At the same time it must also be kept in mind that merely copying our specifications in their quotation shall not make the bidder eligible for consideration. The specifications mentioned in the quotation have to be supported with the printed catalogue/ leaflet / standard technical literature/ broacher for each of the item offered. Model quoted specifications should invariably be highlighted in the leaflet/literature for our easy reference.

Rates: Rates for Indigenous items must be on DOOR DELIVERY Basis, which should be inclusive of all taxes. The break up may be given as given below: Basic Price (+) taxes (+) Freight and Transit Insurance Charge, if any (+) Installation and Commissioning Charge, if any (+) Any other charges, if any Grand Total on Door Delivery Basis at IGEC Sagar (i.e., F.O.R Destination basis)

The price quoted shall be firm and fixed. The rate should be quoted both in figures and words.

Where the equipment is composed of several items/ sub units / components, the rate should be clearly indicated for each of the item/ sub unit/ component.

A purchase order will be issued to Single Vendor for all the supplying items as a whole. The supplier quoted minimum for the total price of all the items as a whole will only be considered for the same.

Prices of each of the additional, optional accessories should be indicated SEPARATELY. The spare parts/ wear & tear, consumables, if any required for trouble free operation of equipment shall be quoted separately giving full nomenclature, rate, quantity and shelf life of each item.

All applicable taxes, duties etc., should be clearly and separately mentioned in the Price bid.

Charges for additional warranty beyond the free warranty period should be quoted separately.

Validity of the Offer: For Indigenous Purchase the offer should be valid for 90 days and for Foreign Purchase it should be valid for 120 days.

Genuine Pricing: The bidder has to ensure that the quoted price for IGEC Sagar is not more than the Price Offered to any other customer in India to whom this particular item has been sold, particularly to Indian Institute of Technology, National Institute of Technology, State/ Central or Deemed Universities, Defense Organizations, Research Establishments or any other Government Institutions. For this purpose the vendor has furnish a price reasonability certificate in the Format Prescribed in Annexure 2 to the Technical Bid. Name and contact details of the premier educational institutes/ government organizations where the quoted item/ equipment has been supplied/ installed during the last three years should be attached with the Proforma for Technical Bid.

#### PAYMENT TERMS FOR PURCHASES:

No advance payment will be made. No part payment will be made.

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For purchases, subject to the submission of Performance Bank Guarantee, full and final Payment will be made maximum within 30 days from the (a) date of delivery of the goods/ materials and acceptance of the same by the IGEC Sagar or (b) supply, installation and successful commissioning of the equipment.

If the vendor fails to furnish the Performance Bank Guarantee, an amount equal to 10% of the Purchase Order value will be withheld and the balance amount will be released.

IGEC Sagar shall not be responsible for any loss, damages and shortage during transit. Payment shall be made for materials received in good condition only.

Payment will be generally through Electronics Transfer of Funds (EFT) system for which the successful bidder has to furnish the following information: Name of the bank with branch where the accounts exist, Bank Account Number, IFSC Code etc.,

Manufacturer country name must be labeled on equipment clearly.

#### Warranty/ Guarantee:

Nature and maximum period of free warranty offered by the vendor should be clearly indicated.

The equipment must be warranted against all manufacturing defects for a minimum two year or as per standard warranty/ guarantee of the bidder, whichever is more from the date of satisfactory Supply, installation and commissioning.

In case, a part thereof or the whole equipment is found defective the same will have to rectified / replaced on free of charge basis without lapse of time.

The equipment shall be unused, brand new, calibrated and supplied along with the calibration certificate.

#### PERFORMANCE BANK GUARANTEE (PBG):

As Performance Security, the successful bidder shall furnish an unconditional Performance Bank Guarantee (PBG) from a Nationalized Bank or scheduled commercial bank for an amount equal to 10% of the Purchase order value within 21 days from the date of Purchase Order and it should be kept valid for Warranty Period. The PBG, shall be furnished in the Format specified by IGEC Sagar.

The PBG shall remain valid for the date of completion of all contractual obligation of the supplier including the warranty obligation.

More importantly, the PBG shall be sent by the Bank concerned directly to the quotation inviting Faculty at IGEC Sagar.

Delivery Schedule: Unless otherwise specified, delivery of goods at IGEC Sagar will have to be made within 45 days from the date of receipt of the Purchase Order or as stipulated in the Purchase Order. All aspects of safe delivery shall be exclusive responsibility of the vendor. Part supply/delivery is normally not acceptable, but may be allowed on genuine cases, on written request only. The acceptance of the equipment shall be based on (i) successful demonstration of the system (ii) satisfactory working of the equipment after successful commissioning as tested by concerned faculty of IGEC Sagar.

Liquidated Damages for delayed supply: If the successful bidder fails to perform the supply or supply, installation and commissioning, within the stipulated time then penalty at the rate of 1% per week subject to a maximum of 10% of the order value will be levied and deducted.

Purchasers' Right: Notwithstanding anything specified in this notice inviting quotation document, The Principal, IGEC Sagar, in his sole discretion, unconditionally and without assigning any reasons, reserve the rights (a) To accept or reject the lowest quotation or any other quotation or all the quotations, at any time prior to the award of the quotation, without incurring any liability to the affected bidder (b) To accept any quotation in full or in part (c) To reject the quotation offer not

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confirming to the notive inviting quotation terms (d) To give purchase preference to Public Sector Undertaking wherever applicable as per Govt. Policy/ Guidelines.

No enquiry shall be made by the bidder(s) during the course of evaluation of the quotation till final decision is conveyed to the successful bidder. However, the Purchase Committee or its authorized representative can make any enquiry/seek clarification from the bidders. In such a situation, the bidder shall extend full cooperation. Any effort by the bidder to influence the scrutiny / evaluation committee of IGEC Sagar or any of its members in the processing of quotations or award decisions may result in the rejection of the quotation.

Black listing: The bidder should not have been blacklisted or debarred from participating in bid in any State/ Central Government agencies or autonomous bodies or Universities / Educational Institutions.

Supervision of Erection and Commissioning: Successful bidder shall depute concerned specialist, for supervision of Erection and Commissioning of the machine to be carried out as and when necessary. It is specifically instructed that the bidders will supply all the operating and service manuals and circuit diagrams along with the equipment.

Arbitration: Dispute, if any, arising out of the supply of the Items shall be settled by Arbitration by SOLE Arbitrator to be nominated by the Principal, IGEC Sagar .The Place of Arbitration shall be Sagar M P. The decision of the Arbitrator shall be final and binding on both the parties.

Applicable law, Dispute and Jurisdiction: Legal disputes if any, in connection with this procurement/ contract, are subject to exclusive jurisdiction of Competent Court in Sagar, (Madhya Pradesh, India) ONLY.

Authorized Signatory (Name & Designation)

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## **CHAPTER 5: PROFORMA FOR TECHNICAL BID**

	Item/ Requirement from the Bidder	legible. S.No. necessary. All arranged in the	Use separate the documents en same serial order ing quotation Docu	sheet wherever closed should be as they appear or
1	Name and Complete Postal address of the Applicant or Bidder Firm/ Company with phone/ Fax/ Mobile number			
2	Website Address, if any, of the Bidder firm / company			
3	Legal status / Constitution of the Bidder in INDIA: (a) Sole Proprietor (b) Partnership (c) Private Limited (d) Public Limited (e) others			
4	Registration particulars for Establishment / Incorporation of the Bidder as Partnership firm/Private Limited Company/ Public limited Company etc., (Attach documentary evidence)	Authority	Registration Number	Place, date and Year of registration/ incorporation
	, , , , , , , , , , , , , , , , , , , ,			
5	Classification of the bidder (a) Manufacturer or (b) Authorized Agent or (c) Authorized Dealer or (d) Stockiest or (e) others, specify			
6	If the bidder is an authorized dealer/ distributor/ stockiest, whether authorization letter from the Original Equipment Manufacturer is attached? (Note: Without this authorization letter, the bid will not be considered)			
7	Details/ Profile of the Products you are dealing with			
8	(a) Name, (b) address ,(c) designation, (d) phone & cell number and (e) E mail ID of the Contact person of the applicant/ bidder		8	
9	Income Tax Permanent Account Number (PAN Number) (Attach self-attested Xerox copy)			
10	Annual Turnover during the Last three financial years 2018-19, 2019-20 and 2020-21(Profit and Loss Account and Balance sheet duly audited and certified by a Chartered Accountant and Income Tax Return i.e., ITR for the last three			
11	years must be attached)  Latest Income Tax Assessment Completion Certificate/ Income tax clearance certificate and Sales Tax Clearance Certificate (In the event of assessment of the recent previous year having not been completed the certificate of the latest assessment completed may be enclosed) (Proof to be attached)			
12	GST number (Proof to be attached)		.01	
13	Details of ISO or any other certification, obtained by the Bidder			

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14	Autonomou and reasons Revoked gir Detailed lis	t/ PSU is bodies? Is s thereof. I we details of t of supplyi	Please give d if black listed the same. ing SIMILAR	rsity/ etails and Goods/	Materials	/ Ma	nchines/ Equ	ipment SUPPLII	ED to Indian
	State or Cer	ntral Univer	rsities/ PSU's/	Central	or State	Gov	ernment Inst	Institute of Ma itutions, during t use separate she	he last three
	Purchase Order placed by (full address of the Purchaser)	rchase Purchase Description Valu Date Order Order and e of comple ced by Number quantity of the of deliv full and date the ordered Order as per the (indicate Date		tion ery the t & of	Remarks indicating reasons for late delivery, if any	Has the item has been supplied/ installed satisfactorily? (Attach a certificate from the purchaser)	Contact person along with phone number, mail id & address		
16	available in engineers	Madhya available.	e and Service Pradesh and t What type of	total nur of main	mber of itenance				
17	support does your company provide for the spares  Whether "SCHEDULE OF DEPARTURE" from technical Specifications furnished along with the Technical Bid?				" from	No	prescribed i	o be furnished in in ANNEXURE cechnical Bid.	
18	Whether "PRICE REASONABILITY CERTIFICATE" furnished along with the Technical Bid?					Note: This has to be furnished in the Format			
19	Bid?  Whether all the pages of the bid document have been numbered and Page number of the document attached has been mentioned in the Proforma for Technical Bid? Whether documents enclosed with the technical bid are arranged and submitted in the same serial order as they appear on the notice inviting quotation document?						1	9	

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## DECLARATION BY THE BIDDER

- It is hereby declared that I/ we the undersigned, have carefully read and understood the terms and conditions of the notice inviting quotation document and it is certified that all the terms and conditions of the invitatation are acceptable to me/ us and I/ we will abide by the conditions.
- 2. The information / documents furnished along with our technical bid are true and authentic to the best of my/ our knowledge and belief. I/ we hereby declare that our proposal is made in good faith, without collusion and fraud. No forged / tampered documents are produced with the quotation for gaining unlawful advantage. We understand that IGEC, Sagar is authorized to make enquiry to establish the facts claimed and obtain confidential reports from clients.
- 3. I/ We / am/ are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of our quotation at any stage besides liabilities towards prosecution under appropriate law.
- 4. We understand that IGEC, Sagar is not bound to accept the lowest or any bid that IGEC Sagar may receive.
- 5. Neither I/ We, nor anybody on my/ our behalf will indulge in any corrupt activities/ practices in my / our dealing with the IGEC Sagar.
- 6. Each page of the quotation document and papers submitted by me/ us is authenticated, sealed and signed and I/ We take full responsibility for the entire documents. I/ We certify that the quotation has been submitted in Official Format only and no addition / modification / alteration has been made in the original document.

			Authorized signatory of Bidder with Seal
Ju.	94	8	Name  Designation
D	25	CXX	*

## ANNEXURE 1 TO PROFORMA FOR TECHNICAL BID

#### TECHNICAL SPECIFICATION COMPLIANCE SHEET

Important Note: Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "NO DEVIATIONS". Furnishing of wrong statement may lead to debar.

Technical Specifications as per inviting quotation (POINT WISE)	Compliance to quoted model	Compliance to alternate model	Deviations
Note: Where there a	are no deviations, th	ne statement should be	returned duly singe
with an endorsement Date: Place:	indicating "No Devi	iations"	
		Authorized signator	ory of Bidder with Sea
	Name		
	Desi	gnation	
ANNEX	URE 2 TO PROFO	RMA FOR TECHNI	CAL BID
	PRICE REASONAL	BILITY CERTIFICAT	E .
It is certified that the numberinstallation		ninst the IGEC Sagar indatedcommissioni	for the supply
Organizations / Rese made by our firm, in rate to IGEC Sagar i then in such a situat action against us, for Date:	more than the rates arch Laboratories / the recent past. If a s higher than the ra tion / condition, IG	charged to other NIT's Defense establishment t any stage, it has been tes charged to above r EC Sagar shall have t ates	s / IIT's / Governments, for similar supplier found that the quote mentioned Institutions
Place:			
	Desig	gnation	

## CHAPTER 6: PRICE BID FORMAT FOR PURCHASES

Quotation No. & Date:

Name of the Bidder:

S. No.	Description of the item to be procured	Unit	Quantity	Basic Price in Rupees (Excluding all taxes and duties)	GST%	Total Amount in Rupees (Inclusive of all taxes and duties)	Attach the 4 to 5 Photographs From all sides
1	3-D Printer (under the letter head of the bidder Individual Item wise break price shall be attached as an Annexure to this price bid)	Nos.	1				
2	Additional / Optional items/ Accessories and Spares etc., (Individual Item wise break price shall be attached as an Annexure to this price bid)						
3	Installation and Commissioning Charges, if any						
4	Packing and Forwarding						
5	Freight and Transit Insu	-					
6	Any other charges, if any						
7	TOTAL ALL INCLUS commissioned at IGEC : Basis)						

#### Authorized signatory of Bidder with Seal

Note 1: Price bid Format should be supported with separate sheet duly typed and signed on the letter head of the bidding firm/company indicating details i.e., different components/ parts/ units of the equipment (if any) with number, name and price of each part.

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