



Ref: PB111K011

Date: 13/11/2021

To:

Dear Sirs,

**Sub: Request Quote for the SOLDER MASK SPRAY COATING SYSTEM**

ITI Limited, Palakkad, invites quotations from reputed Manufacturers or principal of authorized representative registered in India for supply, installation and commissioning of **one number of Solder mask Spray Coating System**, with comprehensive onsite warranty including free supply of spares for 2 years and post warranty non-comprehensive Annual Maintenance Contract excluding cost of spares for 3 years. The RFQ document attached herewith explains the scope of work, specification and requirement of the equipment, terms and conditions, Minimum eligibility criteria for the bidders, instruction to the bidders, price bid format etc.

The RFQ document consists of:

1. This Covering Letter
2. Index
3. Section A - General Terms & Conditions
4. Section B(I) - Technical Specification
5. Section B(II) - Other Requirements
6. Section C - Questionnaire / Compliance / Eligibility – Evaluation Format
7. Section D - Price Bid Format
8. Section E - Performance Bank Guarantee Format
9. Section F - Integrity Pact Format
10. Section G - Certificate Format for Border Sharing Countries

Time Schedule :

- |   |   |  |
|---|---|--|
| 1 | RFQ Release date                                    | - 13-11-2021                             |
| 2 | Last date for request for clarifications on the RFQ | - 20-11-2021                             |
| 3 | Publication of clarifications or addendum if any    | - 25-11-2021                             |
| 4 | Due date for submission of quotation                | - 06-12-2021 – 14 Hrs                    |
| 5 | Tender opening (EMD , Eligibility & Techno Com Bid) | - 06-12-2021 – 14.30 Hrs                 |
| 6 | Price bid opening                                   | - Will be intimated to qualified Bidders |

***Tender will be processed on 2 Bid System –1. EMD, Eligibility & Techno Commercial Bid, 2. Price Bid***

Please send us your most competitive quotation in the following address in a sealed cover super scribed with our RFQ No. PB111K011 so as to reach us on or before the due date and time i.e **06-12-2021, 14.00 hrs.**

Chief Manager ( MM & TS ), ITI Limited, Kanjikode West,  
Palakkad 678 623, Kerala, India

Thanking you,

Yours faithfully,  
For ITI Limited,

Vijayakumar B

Chief Manager ( MM & TS ), ITI Limited, Kanjikode West,  
Palakkad 678 623, Kerala, India

E-mail : [vijayakumarb\\_pkd@itilttd.co.in](mailto:vijayakumarb_pkd@itilttd.co.in); [pur2\\_pkd@itilttd.co.in](mailto:pur2_pkd@itilttd.co.in)

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## SECTION-A

### GENERAL TERMS & CONDITIONS

#### 1. Scope:

The scope of the tender covers supply, installation and commissioning of one number of **Solder mask Spray Coating System** with necessary accessories as per the specification with warranty and AMC support.

#### 2. Definitions

“Purchaser” means ITI Limited, Kanjikode West, Palakkad, Kerala, India, PIN-678623.

“Bidder” means the individual or the firm who participates in the tender and submits the bid.

“Supplier” means the individual or the firm who is the successful bidder supplying and commissioning of the tendered items.

“Letter of Intent” means a letter issued by the Purchaser indicating his intention to place Purchase Order on the successful bidder.

“Purchase Order” means the order placed by the Purchaser on the Supplier for the supply, installation and commissioning and fulfilling other conditions as required in the tender. This shall be deemed as “Contract”.

“Commissioning” means the ACCEPTANCE OF THE SYSTEMS by the Purchaser in writing.

#### 3. Eligible bidders

3.1 The Bidder (manufacturer or principal of authorized representative – hereinafter referred simply as ‘The Bidder’) should have during the last 5 years, supplied and commissioned at least 3 numbers of the same model / brand of the **Solder mask Spray Coating System**, (hereinafter referred to as ‘The Equipment’) to Govt/Quasi-Govt./PSUs or renowned private firms.

3.2 The Bidder should be having a Service Infrastructure in India which is operated under the name of the Bidder for the last 5 years. The Service centre must have certified Service Engineers and Spare Parts for the proposed equipment.

3.3 The Bidder shall submit the following documents along with the bid to prove his eligibility in addressing the requirements of this tender:

- a) A list containing Customer Name, address, contact person with contact number, equipment model number and year of supply of the equipment with regard to renowned customers to whom the equipment has been supplied in India by the bidder in the last 5 years.
- b) Purchase Order copies, Invoice etc. of at least 3 customers to substantiate clause 3.1 above.
- c) If the bidder is not an OEM, the manufacturer’s authorization certificate to substantiate his eligibility to quote.
- d) Performance Certificates issued during the past three years from at least two renowned customers in India substantiating satisfactory working of the equipment as well as extent of service support rendered by the bidder.
- e) Detailed organization of the technical support group in India along with extent of availability of spares for maintenance and servicing of the equipment.

3.4 An Agent shall represent for only one OEM and shall submit only one quote.

3.5 One bidder can submit quote for only one model of tendered machine.

3.6 The bidder should not be black listed / debarred by any Government/ Government agencies/ PSUs.

3.7 Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. A Certificate in the letter head of the bidder duly signed and stamped by the authorized representative of the bidder to be submitted along with the tender. If the certificate submitted by the bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law. The format of the certificate is given in Section – G.

#### 4. Earnest Money Deposit (EMD)

4.1 The bidder shall make an online transfer of an amount of Rs.6,00,000/ (**Rupees Six Lalkhs only**) to ITI Limited, Palakkad's Account towards EMD before the bid submission due date. The details of the Bank Account of ITI Limited to which the EMD amount has to be transferred is as follows: -

a	Beneficiary Name	:	ITI LIMITED
b	Beneficiary's Bank	:	STATE ITI LIMITED
c	Beneficiary's Bank Address	:	English Church Road,Palakkad-678001
d	Account Number	:	10620194836
e	IFSC Code	:	SBIN0000893
f	MICR Code	:	678002002

4.2 Non submission of EMD will lead to disqualification of the Bid.

4.3 Along with the Eligibility and Techno-commercial Bid, UTR Number and date of the EMD amount transferred to ITI's account has to be submitted.

4.4 Bidders who are manufacturers of the tendered equipment and belong to the category of Micro and Small Enterprise (MSEs) enlisted with DICs or National Small Industries Corporation or any other body approved by the Ministry of Micro, Small and Medium Enterprises are eligible for the benefits under Public Procurement Policy for Micro & Small Enterprises and are exempted from submission of EMD. Such firms are also eligible for purchase preference as per the relevant rules/acts in vogue. Bidders who are traders/agents/distributors of imported items are not eligible to avail MSEs benefit. Bidders who would like to claim such benefits shall enclose a letter claiming the benefits under the scheme along with justification and necessary certificates to satisfy the eligibility. Bids that do not satisfy the above conditions and submitted without EMD will be summarily rejected.

#### 5. Submission of Bid Documents

5.1 The bidder shall submit the quote in a sealed cover superscribed with our RFQ No. and due date by courier for **one number of Solder mask Spray Coating System** as per the technical specification at Section B(1), 2 years comprehensive on-site warranty including free supply of spares from the date of successful installation and commissioning and 3 years post warranty non-comprehensive AMC where the cost of spares alone will be borne by ITI.

5.2 The bid will be processed on a Two BID SYSTEM.

- 5.3 The bidder shall submit the following documents along with the bid. The documents consist of the following:
- 1) EMD Details – UTR Number (please refer clause 4 above) & Eligibility and Techno-commercial Bid
  - 2) Price Bid Cover
- 5.4 Eligibility and Techno-commercial Bid
- The Eligibility and Techno-commercial Bid shall have the scanned copy of the following documents with sign and seal of duly authorized official of the bidder:
- 5.4.1 Documents to prove eligibility conditions as per clause 3.3 a), b), c), d) & e).
- 5.4.2 The duly filled questionnaire/ eligibility/ evaluation format (Section – C)
- 5.4.3 Clause-wise compliance to Technical Specifications (Section B(I))
- 5.4.4 Compliance to:
- 5.4.4.1 General Terms and Conditions (Section A)
  - 5.4.4.2 Other Requirements (Section B(II))
  - 5.4.4.3 Technical clarifications issued by the Purchaser after the release of the tender, if any.
- 5.4.5 Detailed Technical Literature of the equipment with parametric values including the optional features supported by the system.
- 5.4.6 A copy of the Price bid enclosed in the “Price Bid”, without showing the price.
- 5.4.7 Machine dimensions (foot print) and the site requirements for installation / commissioning.
- 5.4.8 The duly signed Pre-Contract Integrity Pact Format as per Section – F
- 5.4.9 The duly signed Certificate format for the Works under Rule 144 (xi) in the General Financial Rules (GFRs), 2017 as per Section – G
- 5.4.10 The bidder should submit a self declaration for not being black listed / debarred by any Government/ Government agencies/ PSUs.
- 5.5 Price Bid
- The Price Bid shall have the Price of the Machine quoted as per the format at Section D.
- 5.6 The bidder is expected to examine all requirements, terms and conditions of the tender. Failure to furnish required information in every respect or non-submission of necessary proof and relevant document or transfer of EMD amount to ITI LTD Account (UTR Number should be submitted) may lead to rejection of the bid.
- 5.7 Each page of the bid document shall be signed with seal by the bidder (except the technical manuals associated with the bid where signing of each page is not mandatory).
- 5.8 The bid documents shall be addressed to the following address:
- The Chief Manager (MM&TS)  
ITI Limited  
Kanjikode West  
Palakkad, Kerala, India - PIN 678 623  
Phone: +91 491 2566511, +91 491 2564375.

- 5.9 The Purchaser shall not be responsible for any delay in submission of bids due to the reason what so ever. Hence, bidders are advised to submit their bids well in advance to avoid such situations.

## **6. Clarification on Bid Documents**

- 6.1 A prospective bidder, requiring any clarification on the Bid Documents shall notify the Purchaser in writing or by E-mail at the Purchaser's mailing address indicated in the invitation of Bid on or before the stipulated date and time. The Purchaser will respond to any request for the clarification of the Bid Documents received within the schedule date. Copies of the queries (without identifying the source) and clarifications by the Purchaser will be published as a corrigendum in the Purchaser's web site ([www.italtd.in](http://www.italtd.in)) and Central Public Procurement Portal also.
- 6.3 Notwithstanding the above, prior to the date of submission of the bids, the Purchaser may, for any reason, modify the tender documents. These amendments shall be put on the Purchaser's web site and CPP portal also. In order to afford prospective bidders a reasonable time to prepare the bid, the Purchaser may, at its discretion, extend the date for bid submission. Prospective bidders are therefore requested to check the Purchaser's website prior to submission of the bids.

## **7. Discharge of Earnest Money Deposit**

- 7.1 The EMD of bidders those who are not qualified after evaluating the eligibility criteria in the Eligibility and Techno-commercial bid will be returned within 60 days from the date of bid opening.
- 7.2 The EMD of successful bidder shall be discharged within 45 days after the bidder's acceptance of Purchase Order and submission of Performance Bank Guarantee.
- 7.3 The EMD will be forfeited if the bidder withdraws the bid during the validity of the bid, or, in the case of a successful bidder, the bidder fails to accept the Letter of Intent/ Purchase order or fails to submit the Performance Bank Guarantee.

## **8 Bid Submission and Period of Validity of Bids**

- 8.1 The bids shall be submitted before the time as specified on due date. If this day is declared as holiday on account of any reason, the bid submission period will stand extended up to same time, next working day.
- 8.2 Bids submitted beyond the period specified shall be rejected.
- 8.3 Bids shall remain valid for 120 days from the due date for submission of bids . Bids with lesser validity period will not be considered for evaluation

## **9 Bid Prices**

- 9.1 The price bid format is given in Section D. The offer can be in INR / USD/EUR etc. Terms of Price shall be FOR ITI Ltd. Palakkad. Bids that do not comply with terms of price will not be considered for evaluation.
- 9.2 The price quoted by the bidder shall remain fixed during the entire period of the contract including AMC period (i.e., from the date of bid submission until five years from the date of commissioning).

However, price variation may be permitted beyond a period of six months from the date of bid submission on account for any changes in the statutory duties and taxes during the period between the date of bid submission and the actual delivery date including supply of maintenance consumables/spares/optional modules during warranty and AMC period. Any variation in taxes/ duties beyond a period of six months from the date of bid submission shall be to the account of the Purchaser.

## **10 Bid opening and Evaluation**

- 10.1 The bids will be opened on the due date mentioned. If the due date mentioned happens to be holiday for the purchaser for any reason, the bids will be opened at the same time on the next working day. The Purchaser will open the bids in the presence of the bidders or their authorized representatives who choose to attend the tender opening. The bidder's representatives, who are present, shall sign in an attendance register. Authority letter to this effect shall be submitted by the bidders before they are allowed to participate in the bid opening.
- 10.2 A maximum of two representatives of the bidder shall be permitted to attend the bid opening.
- 10.3 On the day of the bid opening as specified at clause 10 above, the EMD details will be opened first. Eligibility and Techno-commercial bids of those bidders, who are qualified on opening of the EMD Bid as per the terms and conditions of the RFQ, will be opened next. The Purchaser will evaluate the technical bids in order to arrive at the qualified bidders for price bid opening. The Price bids of only those qualified after technical evaluation will be considered for further processing. Price bid opening date will be informed to the qualified bidders separately by the Purchaser.
- 10.4 The evaluation of the price bid for the machine shall be based on the total of the following.
  - a) Cost of supply and Installation & commissioning of one number of **Solder mask Spray Coating System** with necessary accessories to meet the requirements as defined in Section B(l).
  - b) Cost of AMC for 3 years (after two years' warranty)
- 10.5 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds of Purchaser's action.

## **11. Placement of Letter of Intent (LOI) and Purchase Order (PO)**

- 11.1 The Purchaser will consider placement of LOI/ PO for supply of machine only on the eligible bidder whose offer has been found technically and commercially acceptable.
- 11.2 Letter of Intent / Purchase Order shall be issued to the successful bidder for the delivery of the equipment.
- 11.3 The successful bidder shall submit LOI /PO acceptance within two weeks of LOI / PO issuance by the Purchaser along with the Performance Bank Guarantee as per clause 12 below
- 11.4 The issue of Purchase order shall constitute the award of contract on the bidder.

## **12 Performance Bank Guarantee (PBG)**

- 12.1** PBG shall be 3% of the P.O. value and shall be submitted within 15 days from the date of LOI after which only firm P.O. will be issued. The PBG will be valid for 30 months from the date of LOI, drawn on any Nationalized/Scheduled Bank. The validity of the PBG, if required has to be extended by the bidder to cover entire period of warranty immediately after successful installation, commissioning and taking over of the equipment.
- 12.2** The proceeds of the Performance Bank Guarantee shall be payable to the Purchaser as compensation due to Supplier's failure to complete his obligations under the contract.
- 12.3** The performance bank guarantee shall be in the form of Bank Guarantee issued by an Indian Nationalized/ Scheduled Bank and in the form provided in this Bid Document (Section – E).
- 12.4** The Performance Bank Guarantee will be discharged by the Purchaser after completion of the Supplier's performance obligations including warranty obligations under the contract and also after the Supplier provides a separate PBG valid for three years for an amount of 10% of total AMC value for three years and three months. If the Purchaser desires not to enter into AMC or withdraws from AMC at any time, the PBG will be released within 90 days from the date of end of warranty period or withdrawal from AMC.

## **13 Delivery and Commissioning**

- 13.1** All items as per the Purchase Order shall be delivered, installed and commissioned at the Purchaser's location (at Kanjikode West, Palakkad, Kerala, India), within 12 Weeks from the date of PO.
- 13.2** Delay by the Supplier in the performance of its delivery and commissioning obligations shall render the Supplier liable to any or all of the following sanctions: forfeiture of EMD, imposition of liquidated damages and/or termination of the contract for default. In the case of liquidated damages, the penalty shall be as per clause 15 in this section.

## **14 Payment Terms**

The payment for the supply of goods and installation and commissioning shall be made as per the terms and conditions given below:

- 14.1** 70 % payment by LC after 45 days from date of LR after ITI presents a certificate in Bank that all items have been received by ITI in good condition.
- 14.2** 20% by LC after 60 days from the date of commissioning & acceptance after ITI presents I & C certificate to Bank
- 14.3** Balance 10% after 90 days by TT from the date of commissioning & acceptance.

**Non- compliance of above terms of payment will lead to summary disqualification of the Bid without any further correspondence.**



**15 Liquidated Damages**

Should the Supplier fail to deliver or commission the system as per the delivery/ commissioning schedule, the Purchaser shall be entitled to recover from the Supplier a penalty equivalent to 0.5 % of the value of the Purchase Order of the full system per week for the first four weeks or part thereof and 0.7% per week there after for such delay or part thereof or cancel the purchase order and purchase elsewhere at the risk of the Supplier.

**16 Language**

The language used in all communication, bid documents, technical manuals, electronic documents; commercial papers etc. shall be English only.

**17 Force Majeure**

**17.1** If, at any time, during the continuance of this contract till the date of commissioning, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to as events) provided notice of happenings of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such an event come to an end or cease to exist, and the decision of the Purchaser as to whether the deliveries have been so resumed or not shall be final and conclusive. Further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reasons of any such event as above for a period exceeding 60 days, either party may, at its option; terminate the contract, without any obligations.

**17.2** Force Majeure clause shall be applicable during the tenure of Warranty and Annual Maintenance Contract Period and the decisions during this period shall be based on mutual agreements.

**18 Arbitration**

**18.1** All disputes for differences of any kind, whatsoever, arising out of or in connection with this contract or in discharge of any obligation arising out of this contract, the parties to this contract shall endeavor to settle such disputes and or difference amicably. If both the parties fail to reach such amicable settlement, either party may, within 30 days of such failure, give a written notice to the other party clearly setting out there in the specific dispute and or differences, which require to be arbitrated upon. Such disputes and / or differences shall be referred to a sole arbitrator mutually agreed upon. In the absence of consensus about the single arbitrator, the dispute may be referred to joint arbitrator, one to be nominated by each party and the said arbitrators shall nominate a presiding arbitrator, before commencing the arbitrator proceedings.

**18.2** Arbitration proceedings shall be held at Palakkad, in Kerala State, India. The arbitration shall be covered by the provision of the Arbitration and Conciliation Act, 1996 or any statutory modifications or re-enactment thereof and rules framed there under from time to time.

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## **SECTION B(I)**

### **TECHNICAL SPECIFICATIONS**

#### **SOLDERMASK SPRAY COATING SYSTEM FOR MANUFACTURING OF HIGH END PCBs WITH CONTROLLED IMPEDANCE**

##### **1. PURPOSE AND APPLICATION:**

The purpose of Solder mask spray coating system is to apply fine layer and uniform coating of solder mask on the top and bottom side of controlled impedance PCBs of Highly Dense Fine Pitch Multilayer PCBs.

##### **2. SCOPE OF SUPPLY:**

- 2.1. Supply of Solder mask spray coating system along with control systems and all necessary accessories to meet the specification as per our requirement.
- 2.2. Essential spares as specified in Technical specification to be supplied.
- 2.3. Installation & Commissioning of Solder mask spray coating system.
- 2.4. Training for Solder mask spray coating operation and maintenance.

##### **3. SYSTEM CONFIGURATION:**

Solder mask spray coating system System consisting of

- 3.1 Solder mask spray coating system with spraying system
- 3.2 Control systems
- 3.3 Exhaust system
- 3.4 Drying system
- 3.5 Cleaning system

##### **4. TECHNICAL SPECIFICATION:**

<b>SI.NO</b>	<b>PARAMETER</b>	<b>SPECIFICATIONS</b>
1	Equipment type	Single Side (Top Coating) Horizontal or Both Side Vertical
		Horizontal conveyorised
2	Machine Structure	Self standing
		Construction: Stainless steel
3	Processing Panel Dimensions	Width: 300m to 600mm
		Length: 300m to 600mm
		Panel Thickness:1mm to 3.2mm
4	Spray Gun	Double Spray Gun system or better
5	Spray Gun Atomization pressure	Adjustable 2 Bar to 4 Bar
6	Spray Gun Atomization Air temperature	Adjustable from room temperature to 120°C
7	Conveyor type	Edge Type
8	Conveyor Speed	Adjustable speed,2feet/minute to 6 feet/minute
9	Reservoir volume	10 L to 20 L
10	Control Systems	System operations and all adjustable parameters to
		be controlled with Programmable Logic controller (PLC) &/ or computer specify in detail
		Input interface viz., touch screen, keyboard, display, etc

11	Power Supply	AC, 220 Volts ( ± 10%), 1 –phase & /or 415 Volts ( ± 10%),3- Phase, 50 Hz only
<b>B</b>	<b><u>Specification for IR Track Drying system</u></b>	
12	Equipment Type	Horizontal conveyor type
13	Machine Structure	Construction: Stainless steel, Self Standing
14	Processing PCB Panel Dimensions	Width: 200m to 600mm
		Length: 300m to 800mm
		Panel Thickness:1mm to 4mm
15	Conveyor system	V – Type
16	Conveyor speed	2feet/minute to 6 feet/minute
17	Heating Type	Two or Three zones of infrared (IR) heating with convection air drying unit
18	Heating temperature	Adjustable from room temperature to 150°C or more
19	Control Systems	System operations and all adjustable parameters to be controlled with Programmable Logic controller (PLC) &/ or computer
		Input interface viz., touch screen, keyboard, display, etc
20	Power Supply	230 Volts ( ± 10%), 1 –phase & /or 415 Volts ( ± 10%),3- Phase, 50 Hz only
21	Exhaust system	Inbuilt exhaust system
22	Cleaning system	Good cleaning section
23	Ink Type	Machine should be compatible for IR/Thermal curable inks from suppliers like Electrapolymers ,Taiyo, Tamura, Agfa, Macdermid, Sun chemicals etc

## **5. SAFETY FEATURES:**

- 5.1. The complete system should meet the international safety regulations in all respects.
- 5.2. All Critical electronic components to be secured properly.
- 5.3. The Solder mask spray coating system should be fire/combustion- proof.

## **6. The supplied Solder mask spray coating system shall be Brand New.**

## **7. ITEMS TO BE SUPPLIED ALONG WITH EQUIPMENT:**

- 7.1 Detailed mechanical drawings, electrical diagrams, electronic schematics and laded diagrams highlighting every part of the system in details.
- 7.2 Detailed manuals in English for installation and operation.
- 7.3 Maintenance manuals with periodicity of maintenance and troubleshooting guidelines.
- 7.4 Software installation manuals
- 7.5 All the software in original.
- 7.6 Details of the safety measures to be taken during operation of the system should be provided.
- 7.7 Complete Tool Kit for maintenance and service should be provided.

**8. OTHER TERMS & CONDITIONS:**

- 8.1 Installation and Commission of the System should be done at free of cost.
- 8.2 The Supplier should also assist to position the Solder mask spray coating system at the exact location during Installation free of cost.
- 8.3 Free Training should be provided for ITI Ltd personnel for routine operations / Maintenance of the system at ITI premises.
- 8.4 Any Software updates for this Solder mask spray coating system for Life time shall be provided at free of cost.
- 8.5 All Maintenance passwords if any shall be provided by the Supplier.
- 8.6 Operating software and concerned electronics should be safe from electrical voltage surges / spikes /. Such hazards should not correct the operating software, if applicable
- 8.7 Recommended memory back up for operating software and related machine logics to be incorporated, if applicable
- 8.8 System operating software should be bug free for inadvertent operational mistakes – safety to be inbuilt in the machine, if applicable
- 8.9 Offer should be complete with compliance statement for each of our specifications, offering features, safety features and optional items. Indicating merely 'Yes', 'No' Or 'Okay' in the compliance statement will not be considered. Appropriate parameter (numerical) values should be specified wherever necessary.
- 8.10 The offer should be complete in all respects and the details of the price break up for all the items offered including options and accessories to meet our specifications completely should be provided.
- 8.11 Technical demonstration of the system by authorized personnel may also be arranged if sought.
- 8.12 Original catalogues describing Solder mask spray coating system features, specifications and application along with photographs should be supplied. Catalogues to be provided for both system as well as software.
- 8.13 The equipment must be guaranteed for a minimum of Two-year trouble free operation after the successful commissioning.
- 8.14 Provide the customer list in India who are using Solder mask spray coating system for PCB Applications.

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**SECTION B(II)**  
**OTHER REQUIREMENTS**

**1. Environment**

The Bidder shall indicate the environmental requirements in the technical bid. The Supplier shall furnish the machine dimensions (foot print) and the site requirements for installation/ commissioning also in the technical bid.

**2. Installation & Commissioning**

2.1 The supply, Installation and Commissioning shall be carried out at ITI Limited, Palakkad. The bidder shall give the details of installation requirements in the bid.

2.2 If the machine fails to meet any of the specifications, the Supplier shall carry out required modifications at no cost to the Purchaser. However, if the Supplier fails to meet the specifications within a period of four more weeks from the scheduled date of commissioning, the Purchaser reserves the right to accept the machine with penalties, as decided by the Purchaser, or outright rejection of the machine. Delayed supply or commissioning of the machine shall attract liquidated damages as per relevant clauses of RFQ. In case the machine is rejected due to failure to meet the specifications, the equipment shall be taken back by the Supplier within a period of two weeks from the premises of the Purchaser. All expenditure to take back the equipment shall be borne by the Supplier. The Supplier shall also be liable for full refund of the payment already made within one month from the date of rejection of the machine. The performance bank guarantee will be forfeited if the equipment is rejected fully.

2.3 All expenditure related to the Supplier's experts for the services related to installation and commissioning shall be borne by the Supplier.

2.4 Completion of the acceptance testing to the satisfaction of the Purchaser and issuance of a certificate in this regard by the Purchaser shall be considered as commissioning and the date of issuance of such certificate shall be considered as date of commissioning.

2.5 Installation and training to be carried out by factory trained OEM authorized engineers

**3. Warranty**

3.1 The Supplier shall provide comprehensive onsite warranty including free supply of spares for all the hardware and software supplied for a period of two years after the system has been declared commissioned.

3.2. The supplier shall extend a minimum of two preventive maintenance visits annually and unlimited number of breakdown call visits as per requirement, during warranty. During the period, the Supplier shall diagnose the hardware, system software and application software faults (which ever applicable) as and when they occur, Rectify the hardware, system software and application software faults detected, Repair and replace the faulty component, Provide application/system software related fixes / patches and/or work around to resolve the application/system related faults.

3.3 The Supplier shall warrant that the stores supplied shall be new and free from all defects and faults in materials used, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards for

materials of the type ordered and shall perform in full conformity with the specifications and drawings. The Supplier shall be responsible for any defect that may develop under the conditions provided by the contract and under proper use, arising from faulty material, design or workmanship, inadequate quantity of material to meet equipment requirements, inadequate contact protection, deficiencies in circuit design and/or otherwise and shall remedy such defects at his own cost when called upon to do so by the Purchaser who shall state in writing in what respect the stores are faulty. The Supplier shall make good all the deficiencies free of cost.

- 3.4 The terms and conditions of the Annual Maintenance Contract including penalty (see clause 4 below) shall be applicable during the warranty period. However, there will not be any payment for the warranty service. Any penalty during the warranty period will be deducted from the next payment(s) due to the Supplier for the supply of equipments / service / or adjusted with PBG.

#### **4. Annual Maintenance Contract (AMC)**

- 4.1 If the Purchaser desires, the Supplier shall provide Annual Maintenance Contract support excluding cost of spares for a period of three years. The AMC shall begin after the end of warranty period on issue of a P.O. by the Purchaser. One month before the end of warranty period, the Supplier shall provide a separate PBG valid for three years and three months for an amount of 10% of total AMC PO value for three years.
- 4.2 Bidder shall quote Year-wise AMC price in the price bid.
- 4.3 The supplier shall extend a minimum of two preventive maintenance visits annually and unlimited number of breakdown call visits as per requirement, during AMC. During the period of AMC the Supplier shall diagnose the hardware, system software and application software faults (which ever applicable) as and when they occur, Rectify the hardware, system software and application software faults detected, Repair and replace the faulty component, Provide application/system software related fixes / patches and/or work around to resolve the application/system related faults.
- 4.4 The cost of spare parts replaced during AMC period will be borne by the purchaser. However, the Supplier shall warrant that the stores so supplied shall be genuine, new and free from all defects and faults in materials used, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards for materials of the type ordered and shall perform in full conformity with the specifications and drawings.
- 4.5 All the faults shall be attended within a day of a call/mail from the Purchaser and rectified within 2 days through remote assistance. If the problem is not resolved through remote assistance, then the same needs to be resolved through on-site visit within 7 days of original reporting of the problem.
- 4.6 If the Supplier fails to rectify the fault within the time limit specified in clause 4.5 above, a penalty of 0.25% of the annual AMC charges shall be applicable for every day of delay.
- 4.7 The Supplier shall also give an up-time commitment of 75% for the equipment, calculated quarterly. If the supplier fails to provide 75% uptime quarterly, a penalty of 7.5% of the annual AMC charges will be applied as penalty for the quarter.
- 4.8 The penalties as per clause 4.6 and 4.7 above will be applied separately and cumulatively. However, the cumulative penalty applicable for any quarter as per clause 4.6 and 4.7 will be limited to a maximum of quarterly AMC Charges.

- 4.9 No charges for AMC will be paid in advance under any circumstances. Bills will be paid on quarterly basis on submission of bills by the Supplier, on satisfactory working report from the Purchaser. Penalties for the failure of the system as per clauses 4.6 and 4.7 will be calculated on quarterly basis and will be deducted from the next supplier bill towards supply/service or PBG.
- 4.10 Extension of this Agreement shall be negotiable for a second term of three years depending on the performance of the Supplier during the period of the initial term.
- 4.11 Notwithstanding the above, the Purchaser reserves the right to enter into AMC with the Supplier, or withdraw from AMC at any time without assigning any reasons. However, after entering into AMC, if the Purchaser wishes to withdraw from AMC, the Purchaser will give a notice on withdrawal from AMC one month in advance. The PBG for the AMC service will be released by the Purchaser within 90 days from the end of AMC agreement.
- 4.12 All conditions of AMC on performance and the penalties as detailed in Clauses 4.6, 4.7 & 4.8 above will be applicable to the Warranty period also. However, there will not be any payment for service during warranty. The penalties during the warranty will be calculated based on the AMC cost for the first year of AMC. Any penalty during the warranty period will be deducted from the next payment(s) due to the Supplier for the supply of equipments/ services or from the PBG.
- 4.13 The quality of service and uptime of the equipment is the very essence of this RFQ. Hence, bids that do not comply to the penalty clauses during warranty and AMC will be summarily rejected.

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**SECTION C**

**QUESTIONNAIRE / COMPLIANCE / ELIGIBILITY – EVALUATION SHEET**

(To be filled by the bidder)

- 1 Name and address of the Bidder :
- 2 Whether the bidder himself is the OEM (Original Equipment Manufacturer)? : Yes/ No
- 3 Whether supporting documents as required in clauses 3 and 5.3 of Section A enclosed to the Eligibility cum Techno-commercial bid? : Yes/No
- 4 Details of Earnest Money Deposit (UTR no., Date, value , Bank name) : Yes / No
- 5 Validity of Bid document (120 days from the due date of bid submission) : Yes / No
- 6 Whether Clause-wise compliance to Section A, Section B, and Clarifications given by the Purchaser, if any, enclosed to the Eligibility cum Techno-commercial bid?: Yes/ No

We undertake that we fulfill the Minimum Eligibility Criteria, as per Clause 3 in Section A. We agree to abide by this bid, for the bid validity period and it shall remain binding upon us and may be accepted at any time before the expiry of that period. Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of the award shall constitute a binding contract between us.

Dated this.....day of.....2021.

.....  
(Signature in the capacity of duly authorized to sign and on behalf of)



SECTION- D  
PRICE BID FORMAT

SI No	Item Description	Qty Nos	Rate	Other charges if any	Tax & Duties	Total
1	Supply of one number <b>Solder mask Spray Coating System</b> , with accessories and two years Comprehensive onsite warranty support including spares	1				
2	Installation and commissioning	1				
3	Non-Comprehensive on site AMC Charges excluding spares for First year after Two years of comprehensive onsite warranty	1				
4	Non-Comprehensive on site AMC Charges excluding spares for Second year after Two years of comprehensive onsite warranty	1				
5	Non-Comprehensive on site AMC Charges excluding spares for Third year after Two years of comprehensive onsite warranty	1				
Total						

Note:

- 1) L1 Status will be evaluated based on sum of all the cost (SI. No. 1 to 5)
- 2) Initially purchase Order will be placed only for SI. No. 1 and 2. The AMC Rates will be fixed as per the Quote / PO, however firm PO for AMC shall be released only if Purchaser desires to go for AMC after the completion of Warranty Period.
- 3) Unit Rate will be in US \$ /European € /Japanese Yen ¥ /UK Pound £ /Indian Rupees.
- 4) The Rates should be on DOOR DELIVERY AT ITI PALAKKAD basis including Loading & unloading and other incidental expenses.
- 5) Indigenous suppliers quote will be in Indian currency only.

.....  
(Authorized signatory of the bidder with date and seal)

**SECTION - E**

**PERFORMANCE BANK GUARANTEE FORMAT**

In consideration of ..... (*the Purchaser's name and address*) (herein after called as Company) we, .....  
.....Bank executed this Performance Guarantee Bond as surety to the cost of  
..... supplied by ..... (hereinafter called as the Supplier) as per the Purchase  
Order no. .... dated, ..... of the Company.

1. At the instance of failure by the Supplier to perform to the satisfaction of the Company, up to.....or before the expiry of this guarantee, or within the agreed period whichever is earlier, we.....Bank hereby undertake to pay to ..... (*The Purchaser's name and address*) an amount not exceeding Rs. .... (*10% of total purchase order value*).
2. We.....Bank agrees to pay for the value up to a limit of Rs. .... and interest thereon from the date of notice till the date of payment at .... % per annum without any demur, merely on a demand notice from the Company stating that the Company has suffered loss due to non-performance of the equipment supplied by the Supplier. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee.
3. We undertake to pay to the Company any money as demanded notwithstanding any dispute or disputes raised by the Supplier in any suit or proceedings pending before any court or tribunal relating thereto our liability under this guarantee being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Supplier shall have no claim against us for making such payment.
4. We..... Bank, further agree with the Company that the Company shall have the fullest liberty without our consent and without affecting in any manner, our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the Supplier and to forbear or enforce of the terms and conditions relating to the said Purchase Order and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said supplier or for any forbearance act or omission on the part of the Company or any indulgence by the Company to the Supplier or by any such manner or thing whatsoever, which, under the law relating to sureties would, but for this provision, have effect of so relieving us.
5. This guarantee will not be discharged due to the change in the constitution of the Bank or the Supplier.
6. We.....Bank, further agrees that the guarantee herein contained shall remain in force till..... We.....Bank undertake not to revoke this guarantee during its currency except with the previous consent of the Company by writing.

Dated the.....day.....

Witnesses

For Bank

- 1.
- 2.

SECTION-F

**ENCLOSURE TO PURCHASE ENQUIRY/ ORDER No ..... DATED .....**  
**PRE CONTRACT INTEGRITY PACT**

PURCHASE ENQUIRY REF PB111K011, DATED .....

THIS Integrity Pact is made on.....day of .....20 .

**BETWEEN:**

ITI Limited having its Registered & Corporate Office at ITI Bhavan, Dooravaninagar, Bangalore – 560 016 and established under the Ministry of Communications, Government of India (hereinafter called the Principal), which term shall unless excluded by or is repugnant to the context, be deemed to include its Chairman & Managing Director, Directors, Officers or any of them specified by the Chairman & Managing Director in this behalf and shall also include its successors and assigns) ON THE ONE PART

**AND:**

..... represented by .....  
Chief Executive Officer (hereinafter called the Contractor(s), which term shall unless excluded by or is repugnant to the context be deemed to include its heirs, representatives, successors and assigns of the bidder/contract ON THE SECOND PART.

**Preamble**

WHEREAS the Principal intends to award, under laid down organizational procedures, contract for acting as ..... (name of the Stores/equipments/items). The Principal, values full compliance with all relevant laws of the land, regulations, economic use of resources and of fairness/ transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal has appointed an Independent External Monitor (IEM), who will **monitor** the tender process and the execution of the contract for compliance with the principles as mentioned herein this agreement.

WHEREAS, to meet the purpose aforesaid, both the parties have agreed to enter into this Integrity Pact the terms and conditions of which shall also be read as integral part and parcel of the Tender Documents and contract between the parties.

**NOW THEREFORE, IN CONSIDERATION OF MUTUAL COVENANTS STIPULATED IN THIS PACT THE PARTIES HEREBY AGREE AS FOLLOWS AND THIS PACT WITNESSETH AS UNDER:**

## **SECTION 1 – COMMITMENTS OF THE PRINCIPAL**

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
- a. No employee of the Principal, personally or through family members, will in connection with the tender for or the execution of the contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the personal is not legally entitled to.
  - b. The Principal will, during the tender process treat all bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all bidder(s) the same information and will not provide to any bidder(s) confidential/additional information through which the bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
  - c. The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employee, which is a criminal offence under IPC/PC Actor if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary action as per its internal laid down Rules/ Regulations.

## **SECTION 2 – COMMITMENTS OF THE BIDDER/CONTRACTOR**

- 2.1 The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself observe the following principles during the participation in the tender process and during the execution of the contract.
- a. The bidder(s)/contractor(s) will not, directly or through any other person or firm offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
  - b. The bidder(s)/contractor(s) will not enter with other bidders/contractors into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
  - c. The bidder(s)/contractor(s) will not commit any offence under IPC/PC Act, further the bidder(s)/contractor(s) will not use improperly, for purposes of competition of personal gain, or pass onto others, any information or document provided by the Principal as part of the business relationship,

regarding plans, technical proposals and business details, including information contained or transmitted electronically.

- d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the agents/representatives in India, if any. Similarly, the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any.
- e. The Bidder(s)/Contractor(s) will, when presenting the bid, disclose any and all payments made, are committed to or intend to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- f. The Bidder(s)/Contractor(s) will not bring any outside influence and Govt bodies directly or indirectly on the bidding process in furtherance to his bid.
- g. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or to be an accessory to such offences.

### **SECTION 3 – DISQUALIFICATION FROM TENDER PROCESS & EXCLUSION FROM FUTURE CONTRACTS**

- 3.1 If the Bidder(s)/Contractor(s), during tender process or before the award of the contract or during execution has committed a transgression in violation of Section 2, above or in any other form such as to put his reliability or credibility in question the Principal is entitled to disqualify Bidder(s)/ Contractor(s) from the tender process.
- 3.2 If the Bidder(s)/Contractor(s), has committed a transgression through a violation of Section 2 of the above, such as to put his reliability or credibility into question, the Principal shall be entitled to exclude including blacklisting for future tender/contract award process. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the Principal taking into consideration the full facts and circumstances of each case, particularly taking into account the number of transgression, the position of the transgressor within the company hierarchy of the Bidder(s)/Contractor(s) and the amount of the damage. The exclusion will be imposed for a period of minimum one year.
- 3.3 The Bidder(s)/Contractor(s) with its free consent and without any influence agrees and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground including the lack of any hearing before the decision to resort to such exclusion is taken. The undertaking is given freely and after obtaining independent legal advice.
- 3.4 A transgression is considered to have occurred if the Principal after due consideration of the available evidence concludes that on the basis of facts available there are no material doubts.
- 3.5 The decision of the Principal to the effect that breach of the provisions of this

Integrity Pact has been committed by the Bidder(s)/ Contractor(s) shall be final and binding on the Bidder(s)/ Contractor(s), however the Bidder(s)/ Contractor(s) can approach IEM(s) appointed for the purpose of this Pact.

- 3.6 On occurrence of any sanctions/ disqualifications etc arising out from violation of integrity pact Bidder(s)/ Contractor(s) shall not entitled for any compensation on this account.

3.8 subject to full satisfaction of the Principal, the exclusion of the Bidder(s)/ Contractor(s) could be revoked by the Principal if the Bidder(s)/ Contractor(s) can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption preventative system in his organization.

#### **SECTION 4 – PREVIOUS TRANSGRESSION**

- 4.1 The Bidder(s)/ Contractor(s) declares that no previous transgression occurred in the last 3 years immediately before signing of this Integrity Pact with any other company in any country conforming to the anti-corruption/ transparency International (TI) approach or with any other Public Sector Enterprises/ Undertaking in India of any Government Department in India that could justify his exclusion from the tender process.
- 4.2 If the Bidder(s)/ Contractor(s) makes incorrect statement on this subject, he can be disqualified from the tender process or action for his exclusion can be taken as mentioned under Section-3 of the above for transgressions of Section-2 of the above and shall be liable for compensation for damages as per Section-5 of this Pact.

#### **SECTION 5 – COMPENSATION FOR DAMAGE**

- 5.1 If the Principal has disqualified the Bidder(s)/Contractor(s) from the tender process prior to the award according to Section 3 the Principal is entitled to forfeit the Earnest Money Deposit/Bid Security/ or demand and recover the damages equitant to Earnest Money Deposit/Bid Security apart from any other legal that may have accrued to the Principal.
- 5.2 In addition to 5.1 above the Principal shall be entitled to take recourse to the relevant provision of the contract related to termination of Contract due to Contractor default. In such case, the Principal shall be entitled to forfeit the Performance Bank Guarantee of the Contractor or demand and recover liquidate and all damages as per the provisions of the contract agreement against termination.

#### **SECTION 6 – EQUAL TREATMENT OF ALL BIDDERS/ CONTRACTORS**

- 6.1 The Principal will enter into Integrity Pact on all identical terms with all bidders and contractors for identical cases.
- 6.2 The Bidder(s)/Contractor(s) undertakes to get this Pact signed by its sub-