

## INVITATION TO TENDER

TENDER ENQUIRY No. - PUR/DTTC/001/23-24

BID DOCUMENT FOR

ITEMS DESCRIPTION

**“Design, Engineering, Supply, Installation, Testing & commissioning of Pharmaceutical Testing and Training center on turnkey basis at Devbhumi Pharmaceutical Testing and Training Foundation, Khasra no. 525, Bedpur Crossing, Bhagwanpur Road, Roorkee, Haridwar, U.K.”**



*Bids* under **TWO BID System** (Technical non-priced Bid and Bid) shall be submitted manually at the office of the purchaser only

Bidder must necessarily comply with conditions of 'Make in India (MII)' Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Ministry of Commerce and Industry, Government of India (GoI), as amended from time to time, as on the date of issue of tender and related instructions of the GoI.

**INVITATION FOR BIDS / NIT**

Sir / Madam

**Sub: Quotation for Design, Engineering, Supply, Installation and commissioning of “Pharmaceutical Lab cum training center” as per the specifications – Reg.**

We have been retained by the Devbhumi Pharmaceutical Testing and Training Foundation, Uttarakhand India for setting up a pharmaceutical Lab cum training center at their premises.

2. We, Biotexus Engineering OPC Pvt. Ltd, herein after known as PMC, therefore invites **BIDS** from manufacturers and their authorized distributors and Indian Agent of Foreign principals, if any, under the provisions of various policy initiatives and notifications issued by various Ministries / Department of the Govt. of India for purchase of items listed below:

Sl. No.	Description	Quantity	Single/ Two bid	Bid Security (EMD)
1	<b>Design, Engineering, Construction, Supply, installation, commissioning and testing of “Pharmaceutical Testing cum training centre ”, as per the specifications and details indicated under Chapter 4</b>	<b>One set</b>	<b>Two bids</b>	Bid Securing Declaration (BSD) Form as per the <b>FORM-3 OR</b> Earnest Money Deposit (EMD) of Rs. 50,00,000.00

3. **Bids** are invited through the open tendering process and the Tender Document can be downloaded from the website <http://devbhumipttc.c> Free of cost. The **bids** shall be received either through post or courier or person at the office of the foundation before the scheduled date and time stipulated in the tender document. The prospective bidders should adhere to deadlines specified in the tender details and ensure that the bids are received at the stipulated place within the deadline. Bidders may please note that bid received after the due date and time shall not be treated as late bids and shall not be considered further.

4. A **Pre-bid conference (PBC)** will be held on scheduled as mentioned below. All prospective bidders are requested to kindly submit their queries to the address indicated above so as to reach the contact person mentioned below at least **two days** before PBC-

	Date	Time in Hours IST	Venue
<b>Pre-bid conference (PBC)</b>	<b>11-09-2023</b>	<b>12.00 PM onward</b>	<b>Jeneka Healthcare Pvt Ltd., Plot no 15, Sector 6B, Sidcul, Haridwar Contact person: Mr Nikhil Sharma</b>

5. The bid have to be submitted only after **PBC** scheduled on **11.09.2023** and after taking a note of the **PBC minutes**, which will be hosted in the website.

**Note: - Tender specific OEM Authorization certificate for this tender number is mandatory.**

**Last Due Date for submission: 22-09-2023 up to 1300 hrs. (IST)**

**Date of Opening Technical Bid: 22-09-2023 - 1430 hrs. onward  
(IST)**

6. This is an Open Tender Enquiry (OTE) and is open to all local bidders meeting the Tender requirements as per the Make in India(MII) order. Bidder must necessarily comply with conditions of 'Make in India' Order No. P-45021/2/2017-PP (BE-II), dated 16th September 2020 of the Ministry of Commerce and Industry, Government of India (GoI), as amended from time to time, as on the date of issue of tender and related instructions of the Government of India.

**CORRIGENDUM, IF ANY, SHALL BE PUBLISHED ON THE PORTAL / WEBSITE ONLY AND NO SEPARATE NEWSPAPER ADVERTISEMENT OR COMMUNICATION SHALL BE ISSUED.**

**7. This "Invitation to bid (ITB)" is open only to all 'Class I and Class II suppliers' complying with the latest Government of India(GoI) instructions related to 'Make in India(MII)'.**

8. In case of authorized dealer/agent quoting on behalf of their principal/ Original Equipment Manufacturer (OEM) –

i. One dealer/agent cannot represent two OEMs or quote on their behalf in this particular tender enquiry.

ii. One OEM can also authorize only one agent/ dealer.

Hence, there can be only **one bid** from the following:

- a) The Principal /OEM directly or through authorized dealer/ agent on his behalf; and
- b) One authorized dealer/ agent on behalf of only one principal.

**9. ADDRESS FOR COMMUNICATION:**

PMC

**BIOTEXUS ENGINEERING OPC PVT LTD  
Plot no 1694, Green Park, Kalarahanga, Patia  
Bhubaneswar, Odisha, 751024  
Email: [biotexusepl@gmail.com](mailto:biotexusepl@gmail.com)**

**Foundation**

**Devbhumi Pharmaceuticals Testing and Training Center Foundation  
Khasra no. 525, Bedpur Crossing  
Bhagwan pur Road  
Roorkee, Haridwar  
Email: [devbhumulab@gmail.com](mailto:devbhumulab@gmail.com)**

10. Bids will be opened **on the scheduled date and time of the opening of the bids**. If the bids cannot be opened on scheduled due date/ time due to any technical or administrative issues (holidays, office closure etc.), the same will be opened on next working day, as the case maybe.

**11. Purchaser follows Govt. of India’s public procurement policies:**

Important Note for MSEs / Start Up India / Make In India - DPIIT Policy Bidders - Although provisions related to Government’s public procurement purchase preference policy are briefly stated in the tender document under relevant clauses. Any bidder seeking exemptions / benefits / preferences under MSEs / Start Up India / Make in India / DPIIT, Ministry of Commerce and Industry policy or any other policy / scheme of the Government of India, which is currently in force **MUST** specifically **declare** its eligibility in “**Bidder Information Form**” to avail the benefit/preference sought under the relevant policy of the Government at the time of bid submission itself while enclosing all supporting documents / certificates etc. for claiming such benefits, if so desired . The bidder must also clearly highlight the provisions of the specific policy with respect to the benefit/preference being sought by the bidder for which it meets the eligibility conditions with relevant documents in support of the same.

**IF THE BIDDER FAILS TO DECLARE ITS STATUS AND/ OR FAILS TO CLAIM THE ELIGIBLE SPECIFIC POLCIY BENEFIT/ PREFERENCE/ EXEMPTION ETC. AND/OR FAIL TO SUBMIT NECESSARY DOCUMENTS/ CERTIFICATES IN SUPPORT OF ITS CLAIM AT THE TIME OF BIDDING ITSELF, ITS CLAIM FOR SUCH BENEFIT SHALL NOT BE ENTERTAINED AT A LATER STAGE IN THE BIDDING PROCESS.**

However, a brief **overview** of the main tendering related provisions of various policies is provided in **Annexure VII** of this bid document.

12. The foundation reserves the right to **accept** or **reject** any bids or accept all tenders either in part or in full or to split the order, or to annul the bidding process.

The Bid prepared by the Bidder shall include the following: -

<b>Bid Securing Declaration / Earnest Money Deposit (EMD)</b>	
a)	<b>BID Security:</b> The <b>Bid Securing Declaration Form (BSD)</b> as per the <b>FORM-3</b> or proof of submission of <b>Earnest Money Deposit (EMD)</b> as per Tender Document terms shall accompany the <b>Technical Bid (Part I)</b> , failing which bid shall be rejected summarily. Scanned copy of <b>EMD</b> should be uploaded along with the E-bid and original shall be submitted to this office on or before last day of bid submission. <b>NOTE:</b> <u>Bidders submitting <b>Bid Securing Declaration (BSD)</b> in prescribed Form <b>need not submit any EMD</b> separately.</u>

## निबंधन एवं शर्ते/ Terms & Conditions

1. Bids are invited through the open tendering process and the Tender Document can be downloaded 'free of cost' from the website of the foundation. However, the submission of Bids will only be in the office of the Foundation as per the address given above only through post or courier. **Bids will not be accepted in any other form.**
2. The quotation must be in the form furnished by the Purchaser and should be free from corrections/erasures. In case there is any unavoidable correction, it should be properly attested. If not, the quotation will not be considered. Hand-written Quotations or quotations received by email will not be considered.
3. The bidders may please note that no bid shall be accepted after the deadline for the submission of the bid is over for any reason including postal or courier delays. Thus the bidders should ensure that the bids are submitted well in advance.
4. It may kindly be noted that your **Bid** should be in **Two BID System**-
5. In the event of award of Contract in your favour, you need to submit a **Performance Bank Guarantee** valid for a period of 2 Months beyond the Warranty period of 12 Months within a period of 21 days from the date of receipt of the Purchase order (PO).
6. Price quoted should be net and valid for a minimum period of 120 days from the date of opening of the quotation.
7. **It may be noted that Conditional / Unsigned tenders shall not be considered.**
8. The bidder must submit the applicable **Price Schedule Form** as annexed to the Bid document Tender Document in support of Price Bid details.
9. Complete specifications with manufacturer's Name and address should be given while quoting. **Supporting literature / brochures / pamphlets / technical data sheets / drawings** must be enclosed with the quotation wherever applicable.
10. Prices are required to be quoted in units indicated in the enquiry. When quotations are given in terms of other units, relationship between two sets of units should be furnished. Quantity discounts, if any should also be indicated. The items should be quoted indicating the serial No. of our RFQ.
11. Currency of the Quote essentially be Indian Rupee only. However, multi-currency bidding is allowed in case of proprietary equipment procured from overseas manufacturer and spares and consumables of such proprietary equipment / spares, etc. eligible for Global Tender Enquiry (GTE) permitted in terms of Govt. of India orders No. No. F/12/17/2019/PPD dt. 29th Oct., 2020 and No. F.20/45/2020-PPD dt. 8th Jan., 2021, as amended from time to time.
12. The delivery period required for supplying the material should be invariably specified in the quotation. The offered delivery period shall have to be strictly adhered to in case an order is placed.
13. Liquidated Damages The applicable rate is 0.5% per week and the maximum deduction is 10% of the contract price, at the discretion of the Competent Authority of the foundation.

14. If the deliveries/service are not maintained and due to that account the purchaser is forced to buy the material/service at your risk and cost from elsewhere, the loss or damage that may be sustained there by will be recovered from the defaulting supplier.
15. All supplies are subject to inspection and approval before acceptance. Manufacturer warranty certificates and manufacturer/Government approved lab test certificate shall be furnished along with the supply, wherever applicable.
16. IT / GST TDS would be recovered as per applicable rule/regulations / provisions of applicable Indian laws.
17. Kindly furnish your Permanent Account No.(PAN) & GST Number, etc. in your quotation for our records.
18. Tender conditions (printed on the reverse), if any, or otherwise sent along with the tender shall not be binding on us.
19. The foundation intends to extend purchase preference policy benefits available to bidders in terms of policies and instructions issued by the Govt. of India in pursuance of 'Micro, Small and Medium Enterprises (MSME) Development Act, 2006' as made applicable, as on the date of issue of this tender inquiry.

A supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more than 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India.

**MSEs** would be treated as owned by Scheduled Caste/Scheduled Tribe enterprises as under:

- a) In the case of proprietary MSE, the proprietor(s) shall be SC /ST.
- b) In the case of partnership MSE, the SC/ST partners shall be holding at least 51% (fifty-one percent) shares in the unit.
- c) In the case of Private Limited Companies, at least 51% (fifty-one percent) share shall be held by SC/ST promoters

MSEs owned by women shall also be determined as per the above analogy/criteria.

The instructions regarding MSEs, as amended from time to time as on the date of Tender Inquiry shall be made applicable.

20. **Jurisdiction** - All disputes related to this tender shall be subject to the local court of competent jurisdiction at Haridwar, Uttarakhand, India only.

21. If bidder is Indian agent of foreign principal, the following instructions shall be complied –

- i. Bidder must necessarily comply with conditions of '**Make in India**' Order No. **P-45021/2/2017-PP (BE-II)** dated 16th September 2020 of Ministry of Commerce and Industry, Government of India(Gol), as amended from time to time on the date of issue of tender and related instructions of the Gol. The relaxation to invite GTE for spares of equipment from OEM extended vide Govt. of India, Ministry of Finance OM No. F/12/17/2019/PPD dt. 29th Oct., 2020 and provisions for inviting GTE for specialized equipment required for research purposes, and spares consumables for such equipment in terms of Govt. of India, Ministry of Finance No. F.20/45/2020-PPD dt. 8th Jan., 2021 shall be applicable in the relevant cases as per instructions of the Govt. of India, as amended from time to time.

- ii. **Bidder shall comply with restrictions under Rule 144 (xi) of the GFR, 2017 related to restrictions on participation of Foreign Bidders and their Authorized Indian Agent/ Dealer in terms of Order No. P-45021/112/2020-PP(BE-II) (E-43780) dated 24.08.2020** of the Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade and Govt. of India, Ministry of Finance, Dept. of Expenditure, PP Division OM No. F-7/10/2021/PPD (1) dt. 23.02.2023 and related instruction, as amended from time to time as on the date of issue of tender.

22. The foundation is NOT registered with Dept. of Scientific & Industrial Research(DSIR), Govt. of India and concessional Customs Duty and all imports covered under notification No.51/96-Customs dated 23.07.1996, Notification No.47/2017-Integrated Tax (Rate) and Notification No.45/2017-Central Tax (Rate) both dated 14th November, 2017, as amended from time to time. There is no concession available in case of GST( IGST/CGST/SGST). Hence the bids should include all applicable taxes and duties along with their bid as there will not be any concessional taxes or duties applicable to this tender.
23. The foundation reserves the right to accept or reject any or all tenders / offers either in part or in full or to annul the tender process at any stage or to split the order without assigning any reasons thereof.

**24. IMPORTANT NOTE:**

- i. KINDLY ENCLOSE COPIES OF PURCHASE ORDERS OF SAME/SIMILAR ITEMS (EVEN IF MODEL NUMBER / ACCESSORIES DIFFER) THAT YOU HAVE RECEIVED FROM ANY GOVERNMENT INSTITUTES/ UNIVERSITIES / R&D INSTITUTES/ REPUTED PHARMA MANUFACTURERS HAVING GMP MANUFACTURING FACILITY CONFORMING TO FDA IN PARTICULAR, DURING THE LAST 03 YEARS.
- ii. IF NO SAME/SIMILAR EQUIPMENT HAS BEEN SUPPLIED TO ANY GOVERNMENT INSTITUTES/ UNIVERSITIES/CSIR INSTITUTES IN PARTICULAR DURING THE LAST 03 YEARS, PLEASE PROVIDE AN UNDERTAKING STATING *'WE CERTIFY THAT NEITHER WE NOR OUR PRINCIPALS (WHEREVER APPLICABLE) HAS SOLD SAME / SIMILAR ITEM TO ANY GOVERNMENT INSTITUTES / UNIVERSITIES / R&D INSTITUTES IN PARTICULAR'*.

**iii. REASONABILITY OF PRICES:**

- A) PLEASE QUOTE BEST MINIMUM PRICES APPLICABLE FOR A NOT FOR PROFIT PHARMACEUTICAL TRAINING CUM TESTING INSTITUTION, LEAVING NO SCOPE FOR ANY FURTHER NEGOTIATIONS ON PRICES.
- B) A CERTIFICATE SHOULD BE GIVEN TO THE EFFECT THAT THE QUOTED PRICES ARE THE MINIMUM AND THEY HAVE NOT QUOTED THE SAME ITEM ON LESSER RATES THAN THOSE BEING OFFERED TO THE FOUNDATION/PMC TO ANY OTHER CUSTOMERS NOR THEY WILL DO SO TILL THE VALIDITY OF OFFER OR EXECUTION OF THE PURCHASE ORDER, WHICHEVER IS LATER.

25. The address for obtaining further information:

**Devbhumi Pharmaceuticals Testing and Training Center Foundation  
Khasra no. 525, Bedpur Crossing  
Bhagwan pur Road  
Roorkee, Haridwar**

(Anil Sharma)  
DIRECTOR

## CRITICAL DATE SHEET

क्रमांक Sl. No.	प्रक्रम / Stage	दिनांक और समय /Date & Time
1.	प्रकाशन का दिनांक और समय Publish Date & Time	26-08-2023
2.	दस्तावेज डाउनलोड का प्रारंभ दिनांक और समय Document Download Start Date & Time	27-08-2023
3.	संदेह / सवाल पूछने की अंतिम दिनांक और समय Last Date & time for receipt of queries	09-09-2023
4.	बोलीपूर्व सम्मेलन, यदि हो तो Pre-bid Conference, if any	11-09-2023
5.	बोली जमा करने की प्रारंभिक दिनांक और समय Bid Submission Start Date & time	11-09-2023 – 02.30 PM
6.	बोली जमा करने की अंतिम दिनांक और समय Bid Submission End Date & Time	22-09-2023 – 01.00 PM
7.	बोली खोले जाने की दिनांक और समय Bid Opening Date & Time	22-09-2023 – 02.30 PM
	<b>Mode of submission of Bid</b>	<b><i>By Post/ Courier only in hard copies.</i></b>



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## **CHAPTER – 1**

### **INSTRUCTIONS TO BIDDERS**

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## 1.1. **Eligible Bidder**

### A. **Introduction**

- 1.1.1 This is an **Open Tender Enquiry(OTE)** and is open only to **Indian Manufacturers and their Authorized Dealers/Agents** meeting the tender requirements of **'Make in India(MII)' policy** of the Govt. of India. Overseas Manufacturers or their authorized Indian Agent not satisfying the requirements of said **MIl policy** of the Govt. of India are **not eligible** to participate in this tender.
- 1.1.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation of Bids.
- 1.1.3 Bids from Joint Ventures, Consortium or Associations so long as they are formed and registered prior to the bid submission date.
- 1.1.4 The bidders who have been temporarily suspended or removed from the list of registered suppliers by the purchaser or banned from Ministry/country wide procurement shall **not** be ineligible for participation in the bidding process.
- 1.1.5 "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial judicial person not falling in any of the descriptions of bidder stated hereinbefore, including any agency branch or Officer controlled by such person, participating in a procurement process.
- 1.1.6 "Bidder from a country which shares a land border with India" for the purpose of this order means:
- i. An entity incorporated, established or registered in such a country; or
  - ii. A subsidiary of an entity incorporated, established or registered in such a country; or
  - iii. An entity substantially controlled through entities incorporated, established or registered in such a country; or
  - iv. An entity whose beneficial owner is situated in such a country; or
  - v. An Indian (or other) agent of such an entity; or
  - vi. A natural person who is a citizen of such a country; or
  - vii. A consortium or joint venture where any member of the consortium or joint venture fails under any of the above
- 1.1.7 The beneficial owner for the purpose of above will be as under
1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more judicial person, has a controlling ownership interest or who exercise control through other means. Explanation -
    - a) "Controlling ownership interest" means ownership of a or entitlement to more than twenty-five percent of shares or capital or profits of the company;
    - b) "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders' agreements or voting agreements.
  2. In case of a partnership firm, the beneficial owner is the natural persons(s) who,

whether acting alone or together, or through one or more judicial person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more judicial person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

## **1.2 Cost of Bidding**

- 1.2.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

## **1.3 Code of Integrity**

- 1.3.1 The bidders/suppliers should sign a declaration about abiding by the Code of Integrity for Public Procurement in bid documents. In case of any transgression of this code, the bidder is not only liable to be removed from the list of registered suppliers, but it would be liable for other punitive actions such as cancellation of contracts, banning and blacklisting or action in Competition Commission of India.
- 1.3.2 **Code of integrity for Public Procurement:** The Purchaser as well as bidders, suppliers, contractors and consultants should observe the highest standard of ethics and should not indulge in the following prohibited practices, either directly or indirectly, at any stage during the procurement process or during execution of resultant contracts:
  - i. "**corrupt practice**": making offers, solicitation or acceptance of bribe, rewards or gifts or any material benefit, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process or contract execution;
  - ii. "**Fraudulent practice**": any omission or misrepresentation that may mislead or attempt to mislead so that financial or other benefits may be obtained or an obligation avoided. This includes making false declaration or providing false information for participation in a tender process or to secure a contract or in execution of the contract;
  - iii. "**anti-competitive practice**": any collusion, bid rigging or anti-competitive arrangement, or any other practice coming under the purview of the Competition Act, 2002, between two or more bidders, with or without the knowledge of the purchaser, that may impair the transparency, fairness and the progress of the procurement process or to establish bid prices at artificial, non-competitive levels.
  - iv. "**coercive practice**": harming or threatening to harm, persons or their property to influence their participation in the procurement process or affect the execution of a contract;
  - v. "**conflict of interest**": participation by a bidding firm or any of its affiliates that are either involved in the consultancy contract to which this procurement is linked; or if they are part of more than one bid in the procurement; or if the bidding firm or their personnel have relationships or financial or business transactions with any official of purchaser who are directly or indirectly related to tender or execution process of contract; or improper use of information obtained by the (prospective) bidder from the purchaser with an intent to gain unfair advantage in the procurement process or for personal gain;

and

vi. **“Obstructive practice”**: materially impede the purchaser’s investigation into allegations of one or more of the above mentioned prohibited practices either by deliberately destroying, falsifying, altering; or by concealing of evidence material to the investigation; or by making false statements to investigators and/or by threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or by impeding the purchaser’s Entity’s rights of audit or access to information;

### 1.3.3 Obligations for Proactive disclosures

- i) The Purchaser as well as bidders, suppliers, contractors and consultants, are obliged under Code of Integrity for Public Procurement to *suomoto* proactively declare any conflicts of interest (coming under the definition mentioned above – pre- existing or as and as soon as these arise at any stage) in any procurement process or execution of contract. Failure to do so would amount to violation of this code of integrity; and
- ii) The bidder must declare, whether asked or not in a bid document, any previous transgressions of such a code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity. Failure to do so would amount to violation of this code of integrity;
- iii) To encourage voluntary disclosures, such declarations would not mean automatic disqualification for the bidder making such declarations. The declared conflict of interest would be evaluated and mitigation steps, if possible, taken by the purchaser. Similarly, voluntary reporting of previous transgressions of Code of Integrity elsewhere may be evaluated and barring cases of various grades of debarment, an alert watch may be kept on the bidder’s actions in the tender and subsequent contract.

### 1.3.4 Punitive Provisions

Without prejudice to and in addition to the rights of the Purchaser to other penal provisions as per the bid documents or contract, if the Purchaser comes to a conclusion that a (prospective)bidder/supplier, directly or through an agent, has violated this code of integrity in competing for the contract or in executing a contract, the purchaser may take appropriate measures including one or more of the following:

- i) If his bids are under consideration in any procurement:
  - a) Forfeiture or encashment of biosecurity;
  - b) Calling off of any pre-contract negotiations; and
  - c) Rejection and exclusion of the bidder from the procurement process.
- ii) If a contract has already been awarded
  - a) Cancellation of the relevant contract and recovery of compensation for loss incurred by the purchaser;
  - b) Forfeiture or encashment of any other security or bond relating to the procurement;
  - c) Recovery of payments including advance payments, if any, made by the purchaser along with interest thereon at the prevailing rate.
- iii) Provisions in addition to above:
  - a) Removal from the list of registered suppliers and banning/debarment of the bidder from participation in future procurements of the purchaser for a period not less than one year;
  - b) In case of anti-competitive practices, information for further processing may be filed under a signature of the Joint Secretary level officer, with the Competition Commission of India;

- c) Initiation of suitable disciplinary or criminal proceedings against any individual or staff found responsible.

## **B. The Bidding Documents**

### **1.4 Cost of Tender Documents**

- 1.4.1 The bidding documents are available to bidders as indicated in the Invitation for Bids/NIT, **free of cost.**

### **1.5 Content of Tender Documents**

- 1.5.1 The goods required, bidding procedures and contract terms are prescribed in the bidding documents which should be read in conjunction. The bidding documents, apart from the invitation for bids and Critical Date Sheet have been divided into **8** Chapters as under:

- Chapter 1: Instructions to Bidder (ITB)
- Chapter 2: General Conditions of Contract (GCC) and Special Condition of Contract (SCC)
- Chapter 3: Schedule of Requirements
- Chapter 4: Specifications and Allied Technical Details
- Chapter 5: Price Schedule Forms
- Chapter 6: Qualification requirements
- Chapter 7: Contract Form
- Chapter 8: Other Standard Forms comprising:

Sl. No.	Name
01.	Bidder Information Form
02.	Manufacturers' Authorization Form (MAF)
03.	Bid Securing Declaration (BSD)
04.	Performance Statement Form
05.	Deviation Statement Form
06.	Service Support Detail Form
07.	Bid Form
08.	Performance Security (PS) Form
09.	Acceptance Certificate Form
10.	Integrity Pact (IP)
11.	Format of declaration of abiding by the 'Code of integrity and conflict of interest;
12.	Price Schedule
13.	Format of Affidavit of self-certification regarding domestic value addition
14.	Format of Certificate to be provided by bidder in case of subcontracting.
15.	Format of self-declaration to be provided by bidder

1.5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its bid.

#### **1.6 Clarification of tender documents**

1.6.1 A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser **in writing in advance before last date of submission of queries**. The queries received shall be checked and the reply shall be posted on the website of the Foundation prior to the last date for submission of the bid. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under Clause relating to amendment of Bidding Documents and Clause relating to deadline for submission of bids.

The queries, clarifications and amendments issued would also be hosted on the website of the Purchaser for the benefit of the other prospective bidders. All such corrigendum shall form a part of this tender document.

#### **1.7 Amendment of Tender Documents**

1.7.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, **modify** the tender documents by amendment. The same would also be hosted on the website of the Foundation. All prospective bidders are expected to surf the website before submitting their bids to take cognizance of the amendments.

1.7.2 In order to allow prospective bidders' reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids and host the changes on the website of the Purchaser.

1.7.3 If a bid is submitted without considering these amendments/clarifications (issued online / Website), it will be treated as non-responsive and rejected summarily.

1.7.4 In order to allow prospective bidders' reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids and host the changes on the website of the Foundation.

### **C. PREPARATION OF BIDS**

#### **1.8. Language of Bid**

1.8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser shall be written in English language.

1.8.2 The Supplier shall bear all costs of translation, if any, to the English language and bear all risks of the accuracy of such translation, for documents provided by the Supplier.

#### **1.9 Purchase Preference Policies:**

1. Public Procurement Policy of the Govt. of India for MSEs, 2012, as amended from time to time
2. Purchase Preference under 'MAKE IN INDIA(MII) Policy of the Govt. of India, 2020 as amended from time to time

#### **1.10 Documents Comprising the Bid**

1.10.1 The bid prepared by the Bidder shall include documents as under:

#### **A. Technical bid**



- a. Bidder Information Form;
- b. Declaration abiding by the 'Code of Integrity and no conflict of interest for public procurement';
- c. **Bid security** as specified in the Invitation to Bids;
- d. Service support details form;
- e. Deviation Statement Form;
- f. Performance Statement Form;
- g. Manufacturer's Authorization Form (MAF) along with a certified copy of the Agency Agreement between the bidders and the Indian Agent.
- h. Documentary evidence establishing that the bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;
- i. Documents establishing goods eligibility and conformity to bidding document; indicating the Indian Customs Tariff Number (ICT & HSN No.)
- j. Certification that the item offered meets the minimum **local content** as *per class of suppliers* and shall give details of the location(s) at which the local value addition is made in case the bidder wishes to avail the benefits under the 'Make in India' policy, *if applicable*. The certification will be done by the authorized signatory as envisaged by the Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020, as amended from time to time (**if applicable**).
- k. Bill of materials showing all the part numbers, detailed specifications with quantities of all items individually.
- l. MSME CERTIFICATE - If applicable
- m. Valid Registration Certificate for Bidders as per order no. P-45021/112/2020-PP (BE- II) (E-43780) dated 24.08.2020 (if applicable).

**B Price bid**

- (a) Bid form;
- (b) Applicable Price Schedule Form;

**1.11. Bid form and price schedule**

1.11.1 The bidder shall complete the **Bid Form** and the appropriate price schedule form furnished in the bidding documents. These forms must be completed without any alterations to its format and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested. The Bid Form and the appropriate Price Schedule form shall be submitted in accordance with Clause 1.18.3 of the bidding documents.

**1.12. Bid Prices**

1.12.1 The Bidder shall indicate on the appropriate price schedule form, the unit prices and total bid prices of the goods it proposes to supply under the contract.

1.12.2 Prices indicated on the price-schedule form shall be entered separately in the following manner:

**(a) For Goods manufactured within India.**

1. The price of the goods quoted Ex-works including taxes already paid.
2. **GST** and other taxes, explicitly mentioning **applicable rate** if any which will be payable on the goods if the contract is awarded.
3. The charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination as specified in the price schedule form.
4. Wherever applicable, the cost towards the installation, commissioning, spares,

extended warranty, AMC/CMC, site preparation and training including any incidental services, if any.

**1.12.3 Where there is no mention of packing, forwarding, freight, insurance changes, taxes etc. such offer shall be rejected as incomplete.**

1.12.4 The **price** quoted shall remain **fixed** during the contract period and shall not vary on any account

1.12.5 All lots and items must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Lots or items not listed in the Price Schedule shall be assumed to be not included in the bid.

1.12.6 The Purchaser is not registered with Dept. of Scientific & Industrial Research (DSIR), Govt. of India and concessional Customs duty are leviable for its procurement related to R&D use vide notification no. 54/2002- Customs on all imports covered under notification No.51/96-Customs dated 23.07.1996 Notification No.47/2017-Integrated Tax (Rate) and Notification No.45/2017-Central Tax (Rate) both dated 14<sup>th</sup> November, 2017. **No concession is available in respect of any of these goods and services, which needs to be paid at applicable rate.**

1.12.7 Please state specifically in your offer whether the duties and taxes are extra over the prices quoted, failing which it will be presumed that the prices are inclusive of taxes and duties and no claim would be entertained for statutory variations at a later date.

1.12.8 Stipulations like "GST is presently not applicable but the same will be charged if it becomes leviable later on" is **not acceptable**, unless in such cases it is clearly stated that GST will not be charged if the same becomes applicable later on due to increase in turn over etc. If a bidder fails to comply with this requirement, his quoted price shall be loaded with the quantum of duty which is normally applicable on the item in question for the purpose of comparison with the prices of other tenderers.

**Note:** All payments due under the contract shall be paid after deduction of statutory levies at source (like ESIC, IT-TDS, GST-TDS etc.,) wherever applicable.

**1.13. Bid Currencies**

1.13.1 **Prices** shall be quoted in **Indian Rupees** only.

**1.14. Documents Establishing Bidder's Eligibility and qualifications**

1.14.1 The bidder shall furnish, as part of its bid, documents establishing the bidders' eligibility to bid and its qualification to perform the contract if its bid is accepted.

1.14.2 The documentary evidence of the bidder's qualification to perform the contract if the bid is accepted shall establish to the purchaser's satisfaction that;

- a) The bidder meets the qualification criteria listed in bidding documents if any.
- b) Bidder who doesn't manufacture the goods it offers to supply shall submit Manufacturers' Authorization Form (MAF) using the form specified in the bidding document to demonstrate that it has been duly authorized by the manufacturer of the goods to quote and/or supply the goods.
- c) **'Make in India' local content** declaration - if applicable
- d) **MSE certificate**, if applicable.
- e) Registration certificate as per order no. P-45021/112/2020-PP(BE-II)(E-43780) dated 24.08.2020, if applicable

**1.14.3 Conditional tenders shall not be accepted. Similarly Late or delayed tenders are also**

**not accepted for further evaluation.**

**1.15 Documents Establishing Goods' Eligibility and Conformity to Bidding Documents**

- 1.15.1 To establish the goods' eligibility, the documentary evidence of the goods and services eligibility shall consist of a statement on the **country of origin** of the goods and services offered which shall be confirmed by a certificate of origin at the time of shipment.
- 1.15.2 To establish the conformity of the goods and services to the specifications and schedule of requirements of the bidding document, the documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings and data, and shall consist of:
- (a) A detailed description of the essential technical and performance characteristics of the goods;
  - (b) A list giving full particulars, including available sources and current prices, of spareparts, special tools, etc., necessary for the proper and continuing functioning of the goods during the warranty period following commencement of the use of the goods by the Purchaser in the Priced-bid; and
  - (c) An item-by-item commentary on the Purchaser's Technical Specifications demonstrating **substantial responsiveness** of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- 1.15.3 For purposes of the commentary to be furnished pursuant to above, the Bidder shall note that standards for workmanship, material and equipment, designated by the Purchaser in its Technical Specifications are intended to be descriptive only and not restrictive. The Bidder may substitute these in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.
- 1.15.4 Bids with offers for alternate/makes/models in deviation to bid specifications will not be accepted. It shall be the responsibility of the Bidder to prepare a statement conforming issues at 1.15.3 above and the same statement with detailed specification comparison has to be enclosed with the technical bid.**

**1.16. Bid Security / EMD:**

It may kindly be noted that **Technical Bid (Part-I)** shall be accompanied either with a **Bid Securing Declaration (BSD) or Earnest Money Deposit (EMD)** as indicated at page No. 2. In case foreign bidders and Bid Securing Declaration Form as per the FORM-3 in case Indian bidders. Bids not accompanied by Earnest Money Deposit / bid securing declaration will be summarily rejected and not considered for further evaluation.

- 1.16.1 The Bidder shall furnish, as part of its Technical Bid a **Bid Securing Declaration (BSD) or Bid Security (BS)** for an amount as specified in the Invitation for Bids.-In the case of foreign bidders, the BS shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders; the BS shall be submitted by the manufacturer or their specifically authorized dealer/bidder.
- 1.16.2 The bid security is required to protect the Purchaser against the risk of Bidder's conduct, which would warrant the security's forfeiture. Bid security, in forms as mentioned in 1.16.3 (a), (b), (c) should physically reach the office of the PMC or foundation along with the technical bid. If the bid security or the BSD is not physically available inside the technical bid, the bid will be rejected *ab-initio*. *Explanations like Bid security is available inside the price bid, bid security will be provided on demand while a copy of the bid security is attached to the bid, adjustment of bid security against the payment due if any from the Foundation/ etc. shall not be accepted. Such bids shall be treated as non-responsive as received without any Bid security.*

- 1.16.3 The bid security shall be in **Indian Rupees** for offers received for supply within India and denominated in the currency of the bid or in any freely convertible foreign exchange in the case of offers received for supplies from foreign countries in equivalent Indian Rupees. The bid security shall be in one of the following forms at the bidders' option:
- (a) A bank guarantee (including e-Bank guarantee) issued/confirmed by a Scheduled Commercial Bank in India in the form provided in the bidding documents and valid for 45 days beyond the validity of the bid. In case a bidder desires to submit a BG issued from a foreign bank, then the same should be confirmed by a Scheduled commercial bank located in India. **Physical original or**
  - (b) Fixed Deposit receipt pledged in favour of the Director of the foundation. **or**
  - (c) A Banker's cheque or demand draft in favour of the purchaser issued by any scheduled commercial bank in India. **or**
  - (d) **Bid Securing Declaration (BSD) to be submitted along with the technical bid in the prescribed format. Bidders submitting BSD need not submit any EMD separately in terms of (a), (b) and (c) above.**
- 1.16.4 The bid security should be submitted in its original form. Copies shall not be accepted.
- 1.16.5 The bid security of unsuccessful bidder will be discharged /returned as promptly as possible positively within a period of **30 days** after the expiration of the period of bid validity or placement of order whichever is later, without any interest. The Foundation may also return the unused DD/ BC etc. to the bidder.
- 1.16.6 The successful Bidder's bid security will be discharged upon the Bidder furnishing the performance security, without any interest.
- 1.16.7 In case the bid security has been provided in foreign currency, the equivalent amount of the bid security so received in the bank account of the foundation shall be refunded without any adjustment towards the exchange rate fluctuations after deducting the bank charges for transfer.
- 1.16.8 Bidders that are currently registered with the purchaser or registered as MSEs will continue to remain registered during the tender validity period also and are exempted from payment of EMD. In case the tenderer falls in these categories, the bidder should furnish a certified copy of its valid registration details. **Copy of valid document in support of claim must be enclosed along with tender documents. MSEs should provide proof of their being registered as MSE (indicating the Terminal Validity Date of their Registration) for the item offered. The UAM shall only be considered valid for such exemptions.** Except for MSEs, this exemption is valid for the trade group and monetary value of registration only. The MSEs are provided tender document free of cost and are exempted from the payment of Bid Security provided the goods are produced and the services are rendered by them and not for any trading activities undertaken by them. Further firms who are having Udyog Aadhar Memorandum are entitled to all benefits available for MSEs under the Public Procurement Policies for MSEs and can get registered with any of the following agencies:
- a) District Industries Centre
  - b) Khadi and Village Industries Commission
  - c) Khadi and Village Industries Board
  - d) Coir Board
  - e) National Small Industries Corporation
  - f) Directorate of Handicraft and handloom and
  - g) Any other body specified by the Ministry of MSME

1.16.9 Where any aggregator has been appointed by the Ministry of MSME, themselves quote on behalf of some MSE units, such offers will be considered as offer from MSE units and all such facilities would be extended to these aggregators also.

1.16.10 The bid security may be forfeited:

- (a) If a Bidder withdraws or amends or modifies or impairs or derogates its bid during the period of bid validity specified by the Bidder on the Bid Form; or
- (b) In case of a successful Bidder, if the Bidder fails to furnish order acceptance within 14 days of the order or fails to sign the contract and/or fails to furnish Performance Security within 21 days from the date of contract/order.

**1.16.11** Whenever the bidder chooses to submit the Bid Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.

### **1.17. Period of Validity of Bids**

1.17.1 Bids shall remain valid for minimum of **120 days** after the date of bid opening prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.

1.17.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (by post, fax or e-mail). The bid security provided shall also be suitably extended failing which the bid would be summarily ignored. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid.

1.17.3 Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

### **1.18. Format and Signing of Bid**

1.18.1 The bids may be submitted in **two parts** as specified in the Invitation for Bids.

1.18.2 In case the bids are invited on two-bid system, the Bidder shall submit the bids in two separate parts. One part shall contain **Technical bid (Part I)** comprising all documents listed under clause relating to Documents Comprising the Bid excepting bid form and price schedules. The other part shall contain the **Priced-bid (Part II)** comprising price bid form and price schedules.

1.18.3 The bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid detailing his/her name and contact details.

1.18.4 Any interlineations, erasures or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

### **D. Submission and sealing of Bids**

### **1.19. Submission, Sealing and Marking of Bids**

1.19.1 The bidders may submit their duly sealed bids generally by post or courier or in person.

**(Bids received by e-mail would not be considered for evaluation)**

- 1.19.2 In the case of bids invited on two-part basis, the Bidder shall seal the original bid in separate inner envelopes, duly marking the envelopes. The envelopes shall then be sealed in an outer envelope.
- 1.19.3 In the case of bids invited on two-part basis, the Bidder shall seal the un-priced commercial and technical bid comprising the documents as listed in ITB 1.10.1 excepting for 'j' & 'k' and the priced bid in two separate envelopes duly marked as "Technical bid" and "priced bid". Both the envelopes shall then be sealed in one outer envelope.
- 1.19.4 Firms submitting bids in a single envelope against the requirement of two-bid system would be considered for further evaluation at the risk & responsibility of the bidder. However, the opened priced bid, if prepared separate from the technical bid but available in the same enclosure would be kept with the file of the PMC. While every effort is made for not disclosing the price to anyone, the PMC/ foundation shall not take any responsibility against such disclosure.
- 1.19.5 The inner and outer envelopes shall be addressed to: **Devbhumi Pharmaceutical Testing and Training center, K No 525, Bedpur Crossing, Bhagwanpur Road, Roorkee, Hariwar and handed over to Mr Nikhil Sharma, Jeneka Healthcare Pvt Ltd, Plot no 15, Sector 6B, SIDCUL, Haridwar where the bids shall be received for opening at the due date and time.**

If the outer envelope is not sealed and marked as required above, The Purchaser will assume no responsibility for the bid's misplacement or premature opening. In such cases, bids received in open condition within the due date and time will be accepted at the risk of the bidder if the same is presented to the Ms Yadav before expiry of the due date and time of opening of the bids.

- 1.19.5 Firms submitting bids in a single envelope against the requirement of two-bid system would be considered for further evaluation at the risk & responsibility of the bidder. However, the opened priced bid if prepared separate from the technical bid, would be sealed immediately by the Tender Opening Committee without disclosing the price.

**1.20. Deadline for Submission of Bids**

- 1.20.1 Bids must be received by the Purchaser at the address specified not later than the time and date specified in invitation to bid. In the event of the specified date for the submission of Bids being declared a holiday for the Purchaser, the Bids will be received up to the appointed time on the next working day.
- 1.20.2 The Purchaser may, at its discretion, extend the deadline for submission of bids by amending the bid documents in accordance with Clause relating to Amendment of Bidding Documents in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended, which shall be invariably hosted in the website of the foundation.

**1.21. Late Bids**

- 1.21.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser will be rejected.
- 1.21.2 Such tenders shall be marked as late and not considered for further evaluation. They shall not be opened at all and be returned to the bidders in their original envelope without opening.

## **1.22. Withdrawal, substitution and Modification of Bids**

- 1.22.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 1.19 duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB Sub-Clause 1.18.4 (except that no copies of the withdrawal notice are required). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:
- a. Submitted in accordance with ITB Clauses 1.18 and 1.19 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or "MODIFICATION"; and
  - b. Received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 1.20.
- 1.22.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 1.22.1 shall be returned unopened to the Bidders. No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form or any extension thereof.

## **E. Opening and Evaluation of Bids**

### **1.23 Opening of Bids by the Purchaser**

- 1.23.1 The Purchaser will open all bids one at a time in the presence of bidders' authorized representatives who choose to attend, as per the schedule given in invitation for bids. The Bidders' representatives who are present shall sign the quotation opening sheet evidencing their attendance. In the event of the specified date of Bid opening being declared a holiday for the Purchaser, the Bids shall be opened at the appointed time and location on the next working day. In two-part bidding, the financial bid shall be opened only after technical evaluation.
- 1.23.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening. Only envelopes that are opened and read out at Bid opening shall be considered further.
- 1.23.3 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bid(s). The contents of the bid forms and price schedules would however be announced only at the time of opening of Priced-bids in the case of two-bid system.
- 1.23.4 Bids that are received late shall not be considered further for evaluation, irrespective of the circumstances.

**1.23.5 Bidders interested in participating in the bid opening process, should depute their representatives along with an authority letter to be submitted to the purchaser at the time of bid opening as per form Annexed at Chapter-8.**

**1.24. Confidentiality**

1.24.1 Information relating to the examination, evaluation, comparison, and post qualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract Award.

1.24.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post qualification of the bids or contract award decisions may result in the rejection of its Bid.

**1.25. Clarification of Bids**

1.25.1 To assist in the examination, evaluation, comparison and post qualification of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted. However, no negotiation shall be held except with the lowest bidder at the discretion of the purchaser. Any clarification submitted by a bidder in respect to its bid which is not in response to a request by the purchaser shall not be considered.

**1.26. Preliminary Examination**

1.26.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 1.10 have been provided, and to determine the completeness of each document submitted.

1.26.2 The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected.

- (a) Bid Form and Price Schedule, in accordance with ITB Clause 1.10;
- (b) All the tenders received will first be scrutinized to see whether the tenders meet the basic requirements as incorporated in the tender enquiry document. The tenders, who do not meet the basic requirements, are to be treated as unresponsive and ignored. The following are some of the important points, for which a tender may be declared as unresponsive and to be ignored, during the initial scrutiny:
  - (i) The Bid is unsigned.
  - (ii) The Bidder is not eligible.
  - (iii) The Bid validity is shorter than the required period.
  - (iv) The Bidder has quoted for goods manufactured by a different firm without the required authority letter from the proposed manufacturer.
  - (v) Bidder has not agreed to give the required Performance Security (PS) or
  - (vi) Bidder has not furnished the bid security or furnished EMD exemption documents or bid securing declaration or EMD
  - (vii) The goods quoted are sub-standard, not meeting the required specification, etc.
  - (viii) Against the schedule of Requirement (incorporated in the tender enquiry), the bidder has not quoted for the entire requirement as specified in that schedule.
  - (ix) The bidder has not agreed to some essential condition(s) incorporated in the tender enquiry.

**1.27 Bidder's right to question rejection.**

1.27.1 A Bidder shall have the right to be heard in case he feels that a proper procurement



process is not being followed and/or his tender has been rejected wrongly. Only a directly affected bidder can represent in this regard asunder:

- i) Only a bidder who has participated in the concerned procurement process i.e. pre-qualification, bidder registration or bidding, as the case may be, can make such representation;
- ii) In case pre-qualification bid has been evaluated before the bidding of Technical bids, an application for review in relation to the technical bid may be filed only by a bidder who has qualified in pre-qualification bid;
- iii) In case technical bid has been evaluated before the opening of the financial bid, an application for review in relation to the financial bid may be filed only by a bidder whose technical bid is found to be acceptable.
- iv) Following decisions of the purchaser in accordance with the provision of internal guidelines shall not be subject to review:
  - a) Determination of the need for procurement;
  - b) Selection of the mode of procurement or bidding system;
  - c) Choice of selection procedure;
  - d) Provisions limiting participation of bidders in the procurement process;
  - e) The decision to enter into negotiations with the L1 bidder;
  - f) Cancellation of the procurement process except where it is intended to subsequently re-tender the same requirements;
  - g) Issues related to ambiguity in contract terms may not be taken up after a contract has been signed, all such issues should be highlighted before consummation of the contract by the vendor/contractor; and
  - h) Complaints against specifications except under the premise that they are either vague or too specific so as to limit competition may be permissible.

1.27.2 In case a Bidder feels aggrieved by the decision of the purchaser, he may then send his representation in writing to the Purchaser's address as indicated in invitation to bids within **05 working days** from the date of communication of the purchaser intimating the rejection for reconsideration of the decision by the purchaser.

## **1.28 Responsiveness of Bids**

1.28.1 Prior to the detailed evaluation, the purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of this clause, a substantive responsive bid is one, which conforms to all terms and condition of the bidding documents without material deviations, reservations or omissions. A material deviation, reservation or omission is

one that:

- (a) Affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
- (b) Limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or
- (c) If rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

1.28.2 The purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

1.28.3 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation or omission.

1.28.4 If a bidder quotes Nil Charges/consideration, the bid shall be treated as unresponsive and will not be considered.

### **1.29 Non-Conformity, Error and Omission**

- 1.29.1 Provided that a Bid is substantially responsive, the Purchaser may waive any nonconformities or omissions in the Bid that do not constitute a material deviation.
- 1.29.2 Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
- 1.29.3 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errorson the following basis:
- a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
  - b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
  - c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- 1.29.4 Provided that a bid is substantially responsive, the purchaser may request that a bidder may confirm the correctness of arithmetic errors as done by the purchaser within a target date. In case, no reply is received then the bid submitted shall be ignored and its Bid Security may be forfeited.

### **1.30 Examination of Terms & Conditions. Technical Evaluation**

- 1.30.1 The Purchaser shall examine the Bid to confirm that all terms and conditions specified in theGCC have been accepted by the Bidder without any material deviation or reservation.
- 1.30.2 The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 1.15, to confirm that all requirements specified in Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.
- 1.30.3 If, after the examination of the terms and conditions and the technical evaluation, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB Clause 1.28, it shall reject the Bid.

### **1.31 Conversion to Single Currency**

- 1.31.1 To facilitate evaluation and comparison, the Purchaser will convert all quoted prices expressed in various currencies to Indian Rupees at the selling exchange rate established by any bank in India as notified in the Newspapers on the date of bid opening (techno-commercial bid in the case of two-part bidding). For this purpose, exchange rate notified in [www.xe.com](http://www.xe.com) or [www.rbi.org](http://www.rbi.org) or any other website could also be used by the purchaser.

### **1.32 Evaluation and comparison of bids**

- 1.32.1 The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
- 1.32.2 To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteriadefined below. No other criteria or methodology shall be permitted.

The quoted model:

Shall meet the technical Specifications as stated in Chapter 4.

- 1.32.3 The bids shall be evaluated on the basis of final landing cost which shall be arrived as under:  
**For goods manufactured in India**  
(i) The price of the goods quoted ex-works including all taxes already paid.

- (ii) GST and other taxes, if any which will be payable on the goods if the contract is awarded.
- (iii) Charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination.
- (iv) Wherever applicable, the cost towards the installation, commissioning, spares, extended warranty, AMC/CMC, site preparation and training including any incidental services, if any.

1.32.4 **There is no provision to purchase optional items.** The specifications embodied in the tender documents would be the basis of evaluating the responsiveness of bids received.

1.32.5 The Purchaser shall compare all **substantially responsive bids** to determine the lowest valued bid, in accordance with ITB Clause 1.32.

1.32.6 In case a bidder is **eligible** to seek benefit under Purchase Preference (PP) in terms of Public Procurement Policy (PPP) Order dt. 23.03.2012 issued in pursuance of Section 11 of the MSME Development Act, 2006 and Department of Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry, Government of India(Gol) Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 issued in pursuance of Public Procurement (Preference to Make in India) Order,2017(PPP-MII order), as amended from time to time, then the bidder shall **categorically seek eligible benefits** against the said policies in its **BIDDER INFORMATION FORM**. Bidders in their own interest shall carefully go through these policies already available in public domain at the relevant website of the Govt. of India and categorically specify their status for availing the policy benefits of MSE and MII in their Bid Form, while enclosing documents in support of their eligibility for benefits claimed under the same. Purchaser shall not be responsible for any inadvertent error in bid evaluation process to extend the eligible benefits available under MSE and MII policies, due to failure on part of the bidder to categorically indicate the eligible status, which shall be claimed in Bidder Information Form enclosing supporting documents by the bidder concerned.

1.32.7 Purchase preference benefits shall be extended to the bidder based on the declared option subject to the bidder meeting the requirements contained in that purchase preference policy. In case of firms registered under MSE Act 2012, the order of preference shall be – Dalit MSE followed by Women MSE and then other MSEs. Thus the preference to women MSE will be available only if there is no dalit MSE and similarly preference to other MSEs shall be available only if there is no dalit MSEs or women MSEs. Necessary documentary evidence shall need to be attached with the technical bid.

1.32.8 For price matching opportunities and distribution of quantities among bidders (bidder's option to avail any one out of two applicable purchase preference policies, i.e., MAKE IN INDIA 2020 or PPP for MSE,-2012 will be considered), the precedence shall be in terms of purchase preference policy notified vide Govt. of India, Ministry of Finance, Dept. of Expenditure OM No. F.1/4/2021-PPD dt. 18.05.2023 shall apply, as amended from time to time.

### **1.33 Contacting the Purchaser**

1.33.1 Subject to ITB Clause 1.25, no Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded. In case any bidder on its own submits documents stating that the same was left out or they wanted to submit some additional document that could demonstrate that the documents affect the bid evaluation process. Such bids shall be rejected.

1.33.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid.

### 1.34 **Post qualification**

- 1.34.1 In the absence of pre-qualification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the **lowest evaluated responsive bid** is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 1.14.
- 1.34.2 The determination will take into account the eligibility criteria listed in the bidding documents and will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Purchaser deems necessary and appropriate.
- 1.34.3 The bid evaluation sheet shall be uploaded in the website of the Foundation for the information of all the bidders in the following manner. In case a bidder is not satisfied with the evaluation, they may file their complaint by e-mail within 3 days from the date of uploading the result of the evaluation. In case no such representation is received, it shall be presumed that the evaluation has been done correctly and the evaluation report of the next stage shall be taken up. The request of the bidder for additional time due to the absence of their manpower, submission of additional documents at this stage etc will not be accepted.
- 1.34.4 Initially the preliminary evaluation report shall be uploaded. The documents mentioned in Para 1.14.2 above, the clear technical bid with all details, drawings etc as sought for in the Chapter 4 shall be the criteria for the preliminary evaluation. Thereafter the technical evaluation report shall be published on the website.
- 1.34.5 Bidders may please note that pursuant to clause 1.27 of this document, only a bidder who has participated in the bid is eligible to lodge a complaint against preliminary evaluation report, a bidder who is selected in the preliminary evaluation but got rejected in the technical evaluation is eligible to lodge the complaint against the technical evaluation report. Once bidders are selected in the technical evaluation, the final determination of the lowest bidder shall be the criteria for award of the contract subject to the guidelines of MSE/ Purchase preference to make in India orders of the Govt of India.
- 1.34.6 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid.

## **F - AWARD OF CONTRACT**

### **1.35 Negotiations**

1.35.1 Normally, there shall not be any negotiation. Negotiations, if at all, shall be an exception and only in the case of items with limited source of supply. Negotiations shall be held with the lowest evaluated responsive bidder. Counter offers tantamount to negotiations and shall be treated at par with negotiations in the case of one time purchases.

### **1.36 Award Criteria**

1.36.1 Subject to ITB Clause 1.39, the Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily. The details of the award would be hosted on the website of the Purchaser.

### **1.37 Purchaser's right to vary Quantities at Time of Award**

1.38 The Purchaser reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the Schedule of Requirements to the extent of 25% without any change in unit price or other terms and conditions.

### **1.39 Option Clause**

1.39.1 The Purchaser reserves the right to increase or decrease the quantity of the required goods up to 25% (Twenty-Five) per cent at any time, till final delivery date (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of the delivery period (or the extended delivery period)

### **1.40 Purchaser's right to accept Any Bid and to reject any or All Bids**

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 thereby incurring any liability to the affected Bidder or Bidders.

### **1.41 Notification of Award**

1.41.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the successful bidder in writing by registered letter or by cable or telex or fax or e mail that the bid has been accepted and a separate purchase order shall follow through post.

1.41.2 Until a formal contract is prepared and executed, the notification of award should constitute a binding contract.

1.41.3 Upon the successful Bidder's furnishing of the signed Contract Form and performance security pursuant to ITB Clause 1.43, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security.

### **1.42 Signing of Contract**

1.42.1 Promptly after notification, the Purchaser shall send the successful Bidder the Agreement/Purchase Order.

1.42.2 Within fourteen (14) days of date of the Purchase Order, the successful Bidder shall sign, date, and return it to the Purchaser.

### **1.43 Order Acceptance**

1.43.1 The successful bidder should submit Order acceptance within 14 days from the date of issue of order/signing of contract, failing which it shall be presumed that the vendor is not interested and his bid security is liable to be forfeited pursuant to clause 1.16.9 of ITB.

1.43.2 The order confirmation must be received within **14 days**. However, the Purchaser has the powers to extend the time frame for submission of order confirmation beyond the

original date. Even after extension of time, if the order confirmation is not received, the contract is liable to be cancelled provided that the purchaser, on being satisfied that it is not a case of cartelization and the integrity of the procurement process has been maintained, may, for cogent reasons, offer the next successful bidder an opportunity to match the financial bid of the first successful bidder, and if the offer is accepted, award the contract to the next successful bidder at the price bid of the first successful bidder.

**1.44 Performance Security:**

- 1.44.1 Within **21 days** of receipt of the notification of award/PO, the Supplier shall furnish performance security (PS) in the amount specified in the purchase order, valid till 60 days after the warranty period.
- 1.44.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 1.44.3 The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries or in equivalent Indian rupees in case the performance security is submitted by the Indian Agent.
- 1.44.4 In the case of imports, the PS may be submitted either by the principal or by the Indian agent and, in the case of purchases from indigenous sources, the PS may be submitted by either the manufacturer or their authorized dealer/bidder.
- 1.44.5 The **Performance Security(PS) or Performance Bank Guarantee (PBG)** shall be in one of the following forms:
- (a) A Bank guarantee (including e-Bank Guarantee) or stand-by Letter of Credit issued by a Nationalized/ Scheduled bank located in India or a foreign bank with preferably its operating branch in India in the form provided in the bidding documents. Or
  - (b) A Banker's cheque or Account Payee demand draft in favour of the purchaser. Or,
  - (c) A Fixed Deposit Receipt pledged in favour of the Purchaser.
- 1.44.6 The performance security will be discharged by the Purchaser and returned to the Supplier not later than **60 days** following the date of completion of the Supplier's performance obligations, including any warranty obligations, unless specified otherwise, without levy of any interest.
- 1.44.7 In the event of any contract amendment, the supplier shall, within 21 days of receipt of such amendment, furnish the amendment to the performance security, rendering the same valid for the duration of the contract, as amended for further period of 60 days thereafter.
- 1.44.8 The performance security must be received within 21 days. However, the Purchaser has the powers to extend the time frame for submission of Performance Security (PS). Even after extension of time, if the PS is not received, the contract is liable to be cancelled provided that the purchaser, on being satisfied that it is not a case of cartelization and the integrity of the procurement process has been maintained, may, for cogent reasons, offer the next successful bidder an opportunity to match the financial bid of the first successful bidder, and if the offer is accepted, award the contract to the next successful bidder at the price bid of the first successful bidder.

1.44.9 Whenever, the bidder chooses to submit the Performance Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.

1.44. **Pre-bid Conference (PBC) – Applicable.**

#### **1.45 Integrity Pact**

1.45.1 Integrity Pact (IP) binds both buyers and sellers to ethical conduct and transparency in all activities from pre-selection of bidders, bidding and contracting, implementation, completion and operation related to the contract.

1.45.2 The Integrity pact essentially envisages an agreement between the prospective vendors/bidders and the buyer, committing the persons/officials of both sides, not to resort to any corrupt practices in any aspect/stage of the contract. Only those vendors/bidders, who commit themselves to such a Pact with the buyer, would be considered competent to participate in the bidding process. In other words, entering into this Pact would be a preliminary qualification. The essential ingredients of the Pact include:

- i) Promise on the part of the Purchaser to treat all bidders with equity and reason and not to seek or accept any benefit, which is not legally available;
- ii) Promise on the part of bidders not to offer any benefit to the employees of the Purchaser not available legally and also not to commit any offence under Prevention of Corruption Act, 1988 or Indian Penal Code 1860;
- iii) Promise on the part of bidders not to enter into any undisclosed agreement or understanding with other bidders with respect to prices, specifications, certifications, subsidiary contracts; etc.
- iv) Undertaking (as part of Fall Clause) by the bidders that they have not and will not sell the same material/equipment at prices lower than the bid price;
- iv) Foreign bidders to disclose the name and address of agents and representatives in India and Indian Bidders to disclose their foreign principals or associates;
- v) Bidders to disclose the payments to be made by them to agents/brokers or any other intermediary;
- vi) Bidders to disclose any past transgressions committed over the specified period with any other company in India or Abroad that may impinge on the anti-corruption principle;
- vii) Integrity Pact lays down the punitive actions for any violation.

1.45.3 Each page of such Integrity pact proforma would be duly signed by Purchaser's competent signatory. All pages of the Integrity Pact are to be returned by the bidder (along with the technical bid) duly signed by the same signatory who signed the bid, i.e. who is duly authorized to sign the bid and to make binding commitments on behalf of his company. Any bid not accompanied by Integrity Pact duly signed by the bidder shall be considered to be a non-responsive bid and shall be rejected straightway.

1.45.4 The SCC shall specify whether there is a need to enter into a separate Integrity pact or not.

1.45.5 The Integrity Pact would be effective from the date of invitation of bids till complete execution of the contract.

1.44.6 The names and contact details of the Independent External Monitors (IEM) on the event of the need of IP is as detailed in the SCC.

1.45.7 The modal format of IP is at Chapter-8.

**CHAPTER 2**  
**CONDITIONS OF CONTRACT**

**A. GENERAL CONDITIONS OF CONTRACT(GCC)**

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## **GENERAL CONDITIONS OF CONTRACT (GCC)**

### **2.1 Definitions**

2.1.1 The following words and expressions shall have the meanings hereby assigned to them:

- (a) "Contract" means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (b) "Contract Documents" means the documents listed in the Contract Agreement, including any amendments thereto.
- (c) "Contract Price" means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
- (d) "Day" means calendar day.
- (e) "Completion" means the fulfilment of the Goods and related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (f) "GCC" means the General Conditions of Contract.
- (g) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (h) "Related Services" means the services incidental to the supply of the goods, such as transportation, insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.
- (i) "Subcontractor" means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- (j) "Supplier" means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
- (k) The "PMC" means the Biotexus Engineering OPC Pvt Ltd, Flat no1413, Tower 4, Royal Lagoon, Raghunathpur, Bhubaneswar 751024 Odisha India.
- (l) The "foundation " means the Devbhumi Pharmaceutical Testing and Training Foundation, K No 525, Bedpur Crossing, Bhagwanpur Road, Roorkee, Haridwar.
- (m) The "Purchaser" means the Foundation as specified in invitation to bids.
- (n) "The final destination," where applicable, means Devbhumi Pharmaceutical Testing and Training Foundation, K No 525, Bedpur Crossing, Bhagwanpur Road, Roorkee, Haridwar.
- (o) For definitions regarding terms in Make in India please refer to order no. P-45021/2/2017- PP (BE-II) dated 16.09.2020 by Ministry of Commerce and Industry, Government of India and any amendment / revisions thereof.
- (p) For definitions regarding terms in MSE refer MSE order 2012 and amendments and revisions thereof.

- (q) For registration of bidders quoting for products from countries that share land border with India refer to Order No. P-45021/112/2020-PP(BE-II)(E-43780) dated 24.08.2020 of Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade and any amendments thereon, as amended from time to time.

## **2.1 Contract Documents**

- 2.2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

## **2.2 Code of Integrity**

- 2.3.1 Without prejudice to and in addition to the rights of the Purchaser to other penal provisions as per the bid documents or contract, if the Purchaser comes to a conclusion that a (prospective) bidder/supplier, directly or through an agent, has violated this code of integrity in competing for the contract or in executing a contract, the Purchaser may take appropriate measures including one or more of the following:

- a) Cancellation of the relevant contract and recovery of compensation for loss incurred by the purchaser;
- b) Forfeiture or encashment of any other security or bond relating to the procurement;
- c) Recovery of payments including advance payments, if any, made by the Purchaser along with interest thereon at the prevailing rate.
- d) Provisions in addition to the above:
  - 1) Removal from the list of registered suppliers and banning/debarment of the bidder from participation in future procurements of the purchaser for a period not less than one year;
  - 2) In case of anti-competitive practices, information for further processing may be filed under a signature of the Joint Secretary level officer, with the Competition Commission of India;
  - 3) Initiation of suitable disciplinary or criminal proceedings against any individual or staff found responsible.

## **2.4 Joint Venture, Consortium or Association**

- 2.4.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfilment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

## **2.5 Scope of Supply**

- 2.5.1 The Goods and Related Services to be supplied shall be as specified in Chapter 4 i.e. Specifications and allied technical details.

## **2.6 Suppliers' Responsibilities**

- 2.6.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with Scope of Supply Clause of the GCC, and the Delivery and Completion Schedule, as per GCC Clause relating to delivery and document.

## **2.7 Contract price**

- 2.7.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in

its bid. All supplies of foreign are governed by INCOTERMS 2010 as amended/modified from time to time.

## **2.8 Copy Right**

2.8.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

## **2.9 Application**

2.9.1 These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

## **2.10 Standards**

2.10.1 The Goods supplied and services rendered under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.

## **2.11 Use of Contract Documents and Information**

2.11.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far, as may be necessary for purposes of such performance.

2.11.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated above except for purposes of performing the Contract.

2.11.3 Any document, other than the Contract itself, enumerated above shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

## **2.12 Patent Indemnity**

2.12.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 2.12.2 Indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) the installation of the Goods by the Supplier or the use of the Goods in India; and
- (b) the sale in any country of the products produced by the Goods.

2.12.2 If any proceedings are brought or any claim is made against the Purchaser, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

## **2.13 Performance Security :**

2.13.1 Within 21 days of receipt of the notification of award/PO, the Supplier shall furnish

- performance security in the amount specified in Purchase Order, valid till 60 days after the warranty period.
- 2.13.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 2.13.3 The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries or in equivalent Indian Rupees in case the Performance Security is submitted by the Indian Agent.
- 2.13.4 In the case of imports, the PS may be submitted either by the principal or by the Indian agent and, in the case of purchases from indigenous sources, the PS may be submitted by either the manufacturer or their authorized dealer/bidder.
- 2.13.5 The Performance Security shall be in one of the following forms:
- (a) A Bank guarantee or stand-by Letter of Credit issued by a Nationalized/Scheduled bank located in India or a bank located abroad in the form provided in the bidding documents.
- Or
- (b) A Banker's cheque or Account Payee demand draft in favour of the purchaser.
- Or
- (c) A Fixed Deposit Receipt pledged in favour of the Director, Devbhumi Pharmaceuticals Testing and training center.
- 2.13.6 The performance security will be discharged by the Purchaser and returned to the Supplier not later than **60 days** following the date of completion of the Supplier's performance obligations, including any warranty obligations, unless specified otherwise, without levy of any interest.
- 2.13.7 In the event of any contract amendment, the supplier shall, within **21 days** of receipt of such amendment, furnish the amendment to the performance security, rendering the same valid for the duration of the contract, as amended for further period of 60 days thereafter.
- 2.13.8 The order confirmation must be received within 21 days. However, the Purchaser has the powers to extend the time frame for submission of order confirmation and submission of Performance Security (PS). Even after extension of time, if the order confirmation /PS are not received, the contract shall be cancelled provided that the purchaser, on being satisfied that it is not a case of cartelization and the integrity of the procurement process has been maintained, may, for cogent reasons, offer the next successful bidder an opportunity to match the financial bid of the first successful bidder, and if the offer is accepted, award the contract to the next successful bidder at the price bid of the first successful bidder.
- 2.13.9 Whenever, the bidder chooses to submit the Performance Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.

## **2.14 Inspections and Tests**

- 2.14.1 The inspections & test, training required would be as detailed in invitation to bid.
- 2.14.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the SCC or as discussed and agreed to during the course of finalization of contract.
- 2.14.2 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Technical Specifications and SCC shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at the point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data - shall be furnished to the inspectors at no charge to the Purchaser.
- 2.14.3 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.
- 2.14.4 Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.
- 2.14.5 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.
- 2.14.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
- 2.14.7 With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

## **2.15 Packing**

- 2.15.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

2.15.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified in Purchase Order and in any subsequent instructions ordered by the Purchaser.

2.15.3 The marking and documentation within and outside the packages shall be:

- (a) Each package should have a packing list within it detailing the part No(s), description, quantities.
- (b) Outside each package, the contract No., the name and address of the purchaser and the final destination should be indicated on all sides and top.
- (c) Each package should be marked as 1/x, 2/x, 3/x.....x/x, where "x" is the total No. of packages contained in the consignment.
- (d) All the sides and top of each package should carry an Appropriate indication/ label/ stickers indicating the precautions to be taken while handling/storage.

## **2.16 Delivery and Documents**

2.16.1 Delivery of the Goods and completion and related services shall be made by the Supplier in accordance with the terms specified by the Purchaser in the contract. The details of shipping and/or other documents to be furnished by the supplier are as under:-

### **For goods manufactured within India**

Within 24 hours of dispatch, the supplier shall notify the purchaser the complete details of dispatch and also supply following documents by registered post / speed post and copies thereof by FAX/Email.

- (a) Two copies of Supplier's Invoice indicating, *inter-alia* description and specification of the goods, quantity, unit price, total value;
- (b) Packing list;
- (c) Insurance certificate, if required under the contract;
- (d) Railway receipt/Consignment note;
- (e) Manufacturer's guarantee certificate and in-house inspection certificate;
- (f) Inspection certificate issued by purchaser's inspector, if any; and
- (g) Any other document(s) as and when required in terms of the contract;

#### **Note:**

**01 The nomenclature used for the item description in the Invoices (s), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s).**

**02 The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses**

#### **Note:**

**01. The nomenclature used for the item description in the invoices(s), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s).**

**02. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.**

2.16.2 The mode of transportation shall be as specified in Invitation to bid. In case the purchaser elects to have the transportation done through Air, then air lifting needs to be

done through Air India only. In case Air India does not operate in the Airport of dispatch, then the bidder is free to engage the services of any other Airlines.

## **2.17 Insurance**

- 2.17.1 The Goods supplied under the Contract shall be fully insured against any loss or damage incidental to manufacture or acquisition, transportation, storage, delivery, installation, testing and commissioning. The Insurance shall be for an amount equal to 110% of the order value of the contract and shall be valid from the from within “supplier warehouse to the” final destination” on “all risk basis” including strikes, riots and civil commotion. This must also include all risks associated with the loss/ theft due to storage etc.
- 2.17.2 In addition, the Seller must insure all its workmen from all risks arising while working in the site for the project.

## **2.18 Transportation**

- 2.18.1 Where the Supplier is required under the Contract to deliver the Goods at the premises of the foundation Stores / any other location as per the P.O.
- 2.18.2 In the case of supplies from within India, where the Supplier is required under the Contract to transport the Goods to a specified destination in India, defined as the Final Destination, transport to such destination, including insurance and storage, as specified in the Contract,

## **2.19 Incidental Services**

- 2.19.1 The supplier may be required to provide any or all of the services, including training, if any, specified in invitation to bid.

## **2.20 Spare Parts**

- 2.20.1 The Supplier shall be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:
- (a) Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
  - (b) In the event of termination of production of the spare parts:
    - (i) Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
    - (ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.

## **2.21 Warranty**

- 2.21.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 2.21.2 The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.
- 2.21.3 Unless and until mentioned in the Notice Inviting Tender or the Purchase order the warranty shall remain valid for a period **12 MONTHS** after the goods or any portion thereof as the case may be have been delivered to and installed and accepted at the final destination.
- 2.21.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects

together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

- 2.21.5 Upon receipt of such notice, the Supplier shall, within a reasonable period of time, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
- 2.21.6 If having been notified, the Supplier fails to remedy the defect within a reasonable period of time; the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
- 2.21.7 Goods requiring warranty replacements must be replaced on free of cost basis to the purchaser.

## **2.22 Terms of Payment**

- 2.22.1 The method and conditions of payment to be made to the Supplier under this Contract shall be as specified in the Purchase Order.
- 2.22.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted pursuant to Delivery and document Clause of the GCC and upon fulfilment of other obligations stipulated in the contract.
- 2.22.3 Payments shall be made promptly by the Purchaser but in no case later than thirty (30) days after submission of the invoice or claim by the Supplier. While claiming the payment, the supplier should certify in the bill/invoice that the payment being claimed strictly in terms of the contract and all obligations on the part of the supplier for claiming the payment have been fulfilled as required under the contract. This shall be subject to submission of submission of prescribed Performance Security.
- 1.22.4 Payment shall be made in **Indian Rupees**, as indicated in the contract.

Note: All payments due under the Contract shall be paid after deduction of statutory levies at source (like ESIC, Income Tax, GST etc.), wherever applicable.

## **1.23 Change Orders and Contract Amendments**

- 2.23.1 The Purchaser may at any time, by written order given to the Supplier pursuant to Clause on Notices of the GCC make changes within the general scope of the Contract in any one or more of the following:
- (a) Increase or decrease in the quantity required, exercise of quantity option clause;
  - (b) Changes in schedule of deliveries and terms of delivery;
  - (c) The changes in inspection arrangements;
  - (d) Changes in terms of payments and statutory levies;
  - (e) Changes due to any other situation not anticipated;
- 2.23.2 No changes in the price quoted shall be permitted after the purchase order has been issued except on account of statutory variations,
- 2.23.3 No variation or modification in the terms of the contract shall be made except by written amendment signed by the parties.

## **2.24 Assignment**

- 2.24.1 The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.



## **2.25 Subcontracts**

- 2.25.1 The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.
- 2.25.2 In all cases where subcontract has been done the Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or duties or obligation under the contract
- 2.25.3 Where ever subcontracting is applicable a certificate on the letter head of the bidder along with seal and signature of the person signing the bid must be submitted along with other necessary certificates

## **2.26 Extension of time.**

- 2.26.1 Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser.
- 2.26.2 If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 2.26.3 Except as provided under the Force Majeure clause of the GCC, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to liquidated damages Clause of the GCC unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.

## **2.27 Liquidated Damages**

- 2.27.1 Subject to GCC Clause on Force Majeure, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to 0.5% of the delivered price of the delayed Goods or unperformed Services or contract value in case the delivered price of the delayed goods or unperformed services cannot be ascertained from the contract, for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10%. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause on Termination for Default.

## **2.28 Termination for Default**

### **2.28.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part**

- (a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause on Extension of Time; or
  - (b) If the Supplier fails to perform any other obligation(s) under the Contract.
  - (c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent or collusive or coercive practices, etc. as defined in GCC Clause and ITB clause on code of integrity in competing for or in executing the Contract.
- 2.28.2 In the event the purchaser terminates the contract in whole or in part, he may take

recourse to any one or more of the following action:

- (a) The Performance Security is to be forfeited;
- (b) The purchaser may procure, upon such terms and in such manner as it deems appropriate, stores similar to those undelivered, and the supplier shall be liable for all available actions against it in terms of the contract.
- (c) However, the supplier shall continue to perform the contract to the extent not terminated.

## **2.29 Force Majeure**

2.29.1 Notwithstanding the provisions of GCC Clauses relating to extension of time, Liquidated damages and Termination for Default the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

2.29.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

2.29.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within 21 days of its occurrence. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

2.29.4 If the performance in whole or in part or any obligations under the contract is prevented or delayed by any reason of Force Majeure for a period exceeding 60 days, either party may at its option terminate the contract without any financial repercussions on either side.

## **2.30 Termination for Insolvency**

2.30.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.

## **2.31 Termination for Convenience**

2.31.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

2.31.2 The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

- (a) To have any portion completed and delivered at the Contract terms and prices; and/or
- (b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

## **2.32 Settlement of Disputes**

- 2.32.1 The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 2.32.2 If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.
- 2.32.3 The dispute settlement mechanism/arbitration proceedings shall be concluded as under:
- (a) If any dispute or difference arises between the parties hereto as to the construction, interpretation, effect and implication of any provision of this agreement including the rights or liabilities or any claim or demand of any party against other or in regard to any other matter under these presents but excluding any matters, decisions or determination of which is expressly provided for in this Agreement, such disputes or differences shall be referred to Delhi International Arbitration Centre (DIAC), Delhi High Court, New Delhi. A reference to the Arbitration under this Clause shall be deemed to be submission within the meaning of the Arbitration and Conciliation Act, 1996 and the rules framed thereunder for the time being in force. Each party shall bear and pay its own cost of the arbitration proceedings unless the Arbitrators otherwise decides in the Award.
- 2.32.4 Notwithstanding, any reference to arbitration herein,
- (a) The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) the Purchaser shall pay the Supplier any monies due the Supplier.

### **2.33 Governing Language**

- 2.33.1 The contract shall be written in English language which shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the English language only.

### **2.34 Applicable Law**

- 2.34.1 The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction from where the Purchase Order has been issued.

### **2.35 Notices**

- 2.35.1 Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX, e-mail or and confirmed in writing to the other party's address specified in the invitation to bid.
- 2.35.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

### **2.36 Taxes and Duties**

- 2.36.1 For goods / services, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred till its final manufacture/production / delivery / installation / commissioning / training.
- 2.36.2 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in India, the Purchaser shall make its best efforts to enable the Supplier

to benefit from any such tax savings to the maximum allowable extent.

**2.36.3** All payments due under the contract shall be paid after deduction of statutory **levies (at source) (like IT, GST etc.)** wherever applicable.

**2.37 Right to use Defective Goods**

2.37.1 If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

**2.38 Protection against Damage**

2.38.1 The system shall not be prone to damage during power failures and trip outs. The normal voltage and frequency conditions available at site as under:

- (a) Voltage 230 volts – Single phase/ 415 V 3 phase (+\_10%)
- (b) Frequency 50Hz.

**2.39 Site preparation and installation**

2.39.1 The Supplier is solely responsible for the construction of the equipment sites in compliance with the technical and environmental specifications being a turnkey contract. The Purchaser will designate the installation sites to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the submission for the facility. The supplier shall ensure that the site is ready in all aspects so that there is no delay in the installation of the equipment. It may also be noted that there is only open space available for storing the items of the supplier. Necessary provision for the security of the stores may have to be arranged by the supplier.

**2.40 Import and Export Licenses**

2.40.1 If the ordered materials are covered under the restricted category of EXIM policy in India the Vendor / Agent may intimate such information for obtaining necessary, license in India.

2.40.2 If the ordered equipment is subject to Vendor procuring an export license from the designated government agency / country from where the goods are shipped / sold, the vendor has to mention the name, address of the government agency / authority. The vendor must also mention the time period within which the license will be granted in normal course.

**2.41 Risk Purchase Clause**

2.41.1 If the supplier fails to deliver the goods within the maximum delivery period specified in the contract or Purchase Order, the purchaser may procure, upon such terms and in such a manner as it deems appropriate, Goods or Services similar to those undelivered and the Supplier shall be liable to the purchaser for any excess costs incurred for such similar goods or services.

**2.42 Option Clause**

2.42.1 The Purchaser reserves the right to increase or decrease the quantity of the required goods up to **25%** (Twenty-Five) per cent at any time, till final delivery date (or the extended delivery date of the contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of the delivery period (or the extended delivery period)

**2.43 Order Acceptance**

2.43.1 The successful bidder should submit Order acceptance within 14 days from the date of issue of order/signing of contract, failing which it shall be presumed that the vendor is not interested and his bid security is liable to be forfeited pursuant to clause 1.16.9 of ITB.

## **B      SPECIAL CONDITIONS OF CONTRACT**

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### **Special conditions of contract (SCC)**

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

S.N.	GCC Clause Ref	Condition
1	GCC 2.1.1(l)	The Purchaser is the foundation.
2	GCC 2.1.1(m)	The Final Destination is: <b>Devbhumi Pharmaceutical Testing and Training Center, Haridwar, Uttarakhand, India</b>
3	GCC 2.13.1	The amount of the Performance Security(PS) shall be <b>10%</b> of the contract value.
4	GCC 2.15.2	The marking and documentation within and outside the packages shall be:  (a) Each package should have a packing list within it detailing the part No(s), description, quantity etc.  (b) Outside each package, the contract No., the name and address of the purchaser and the final destination should be indicated on all sides and top.  (c) Each package should be marked as 1/x, 2/x, 3/x.....x/x, where “x” is the total No. of packages contained in the consignment.  (d) All the sides and top of each package should carry an Appropriate indication/ label/ stickers indicating the precautions to be taken while handling/storage.
5	GCC 2.16.1	Details of Shipping and other Documents to be furnished by the Supplier are: <u>For goods manufactured within India.</u>  Within 24 hours of dispatch, the supplier shall notify the purchaser the complete details of dispatch and also supply following documents by registeredpost / speed post and copies thereof by FAX/Email.  (a) Two copies of Supplier’s Invoice indicating, <i>inter-alia</i> description and specification of the goods, quantity, unit price, total value;  (b) Packing list;  (c) Certificate of country of origin;  (d) Insurance certificate, if required under the contract;

		<p>(e) <del>Railway receipt</del>/Consignment note;</p> <p>(f) Manufacturer's guarantee certificate and in-house inspection certificate;</p> <p>(g) Inspection certificate issued by purchaser's inspector, if any; and</p> <p>(h) Any other document(s) as and when required in terms of the contract.</p> <p><b>Note:</b></p> <p>01. The nomenclature used for the item description in the invoices(S), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s).</p> <p>02. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.</p>
6	GCC 2.16.3	In case of supplies from within India, the mode of transportation shall be by <b>Road</b> .
		<b>Delivery:</b> The Supply shall be completed within <b>12 weeks</b> from the date of Purchase Order and the Installation - Shall be completed within <b>3 week</b> from the date of receipt material at the final destination. However it must be ensured that the site is fully ready before receipt of the materials.
7.	GCC 2.17.1	The Insurance shall be for an amount equal to 110% of the <b>F.O.R Destination</b> , value of the contract from within "warehouse to warehouse (final destination)" on "all risk basis" including risks associated with storage, fire, installation & commissioning, testing, strikes, riots and civil commotion
8.	GCC 2.21.3	The period of validity of the <b>Warranty</b> shall be <b>12 Months</b> from the date of delivery of ordered equipment in complete quantity, successful installation at the project site and its final acceptance of the same by the foundation.
9.	GCC2.22.1	<p>The method and conditions of <b>payment</b> to be made to the Supplier under this Contract shall be as follows:</p> <p>For the infrastructure facility</p> <p>30% payment on submission of the Detailed Project report and accepted by the foundation.</p> <p>60% plus 100% GST on delivery of the items on prorate basis ( the 30% already paid has to be adjusted to each item claimed so that in no case the payment so made exceeds 90% of the contract value for the infrastructure facility.</p> <p>Balance 10% after the complete hand over of the facility along with the final payment of the equipment.</p>

		<p>For Equipment</p> <p>90% payment plus 100% GST shall be made on prorated basis on receipt of the materials at site.</p> <p>Balance 10% (including the 10% of the infrastructure part) shall be made after final installation &amp; commissioning of the complete facility.</p> <p><b>In case the supplier has not provided the Performance BG towards the security, 10% of the payment from each stage shall be deducted to be kept as security which shall be refunded on receipt of the security BG.</b></p>
10	GCC 2.27.1	The penalty shall be <b>0.5%</b> per week or part of a week towards late delivery and towards delay in installation and commissioning.
	GCC 2.27.1	The maximum amount of penalty shall be 10%
11.	GCC 2.34.1	The place of jurisdiction is Haridwar, Uttarakhand, India
12.	GCC 2.35.1	For notices, the Purchaser's address is The Devbhumi Pharmaceuticals Testing and Training center.
13.	GCC 2.35.1	<b>E-mail</b> address: devbhumulab@@gmail.com
14.	GCC 2.43.1	Integrity Pact (IP) – The Integrity Pact is <b>to be signed</b> . However, all efforts must be made to realize the objectives & spirits thereof.
15.	GCC 2.43.2	<p>The name and contact details of the <b>IEMs</b> are as under:</p> <p style="text-align: center;"><b>Er SC Agarwal</b>  <b>Deputy General Manager Retd</b>  <b>Bharat Heavy Electricals Ltd</b>  <b>Haridwar UK</b>  <b>Phone 01334-230004</b>  <b>Mobile 9837436954</b></p>



**CHAPTER-3**

(To be filled by the bidder as appropriate and  
enclosed with the Technical Bid)

**SCHEDULE OF REQUIREMENT FOR**  
**TECHNCIAL BID**

Sl. No.	Brief Description of Goods & Services	Quantity	Physical Unit of Measure	Make/Model	Technical literature/ catalogue ( please mention page no of the Bid)

The following clauses shall be added to the table above in the price bid:

Unit Price, Total price (unit price x quantity)

Term of delivery:

Period of delivery shall count from:

(to be filled by the bidder)

Training requirement:

Date : .....

Place :.....

\_\_\_\_\_  
**Signature of the Bidder**

**Notes for Bidders:**

- (1) The delivery schedule shall clearly indicate the time period within which the successful bidder must deliver the consignment in full from the date of establishment of LC or from the date of contract or from the date of advance payment etc. It should also indicate separately the time period desired for installation and commissioning of the equipment after arrival of the consignment at the premises of the Purchaser.
- (2) The date or period for delivery should be carefully specified, taking into account
  - (a) The date prescribed herein from which the delivery obligations start (i.e., notice of award, contract signature, opening or confirmation of the letter of credit, date of releasing advance payment etc.).

## Chapter 4

### Scope of supply with specification and other important parameters

#### Specifications and allied Technical Details

#### 4.1 End Use:

##### TENDER SPECIFICATIONS

I	SPECIFICATION FOR THE DESIGN, ENGINEERING, SUPPLY, INSTALLATION, COMMISSIONING & TESTING OF THE PHARMACEUTICAL TESTING AND TRAINING CENTER ON TURNKEY BASIS
A	The tendered facility is proposed to be developed on a turnkey basis. The facility includes all civil works required as per the site conditions, construction of the building with proper foundation to suit the construction of another floor at a later date, office premises, training lecture rooms, presentation facility, CCTV, security gate, sanitary and plumbing work, drainage system, electrical wirings and other electrical accessories like Panel boards, UPS, inverter, Transformer etc, equipment as detailed below, furniture, including the initial set of consumables. The foundation shall provide only a bare site where the construction is to be carried out.
2	Guarantee-Warranty-The tenderer shall be fully responsible for the manufacturing warranty in respect of proper design, quality, workmanship of material for which these are indented for a period of one years from the date of installation and commissioning. During the warranty period free upgrades of the software, if any, should be provided
3	After installation and commissioning of equipment, Training to four persons for five days to be provided at the foundation free of cost. Demonstration: The technically qualified firms are required to arrange the demonstration of the instruments supplied by them at their own cost in the foundation, if required, on the given date and time
4	User's list: The vendor should submit the latest one purchase orders of the similar/identical turnkey project issued by any research-Lab/institutes; PSUs/Govt. organizations/Govt. funded academic institutes. The value of such project shall not be less than 15 crores.
5	Manuals: Technical literature/data sheet must be attached supporting the technical bid. Operation and service manuals should be provided with the instrument
B	SCOPE OF SUPPLY
	Design, Engineering, Manufacture, supply, installation, commissioning, and successful conduct of final acceptance test at the foundation.
C	INSPECTION & TESTS
D	GENERAL
1	The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified here
2	The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at the point of delivery and/or at the Goods final destination.
3	Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier

	shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.
4	Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser
5	The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment
6	The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection
7	With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent, if any, shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after customs clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/ Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay
8	Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance Manuals together with Drawings of the goods and equipment built. These shall be in such details as will enable the Purchase to operate, maintain, adjust and repair all parts of the works as stated in the specifications
9	The Manuals and Drawings shall be in the ruling language (English) and in such form and numbers as stated in the Contract
10	Unless and otherwise agreed, the goods and equipment shall not be considered to be completed for the purposes of taking over until such Manuals and Drawing have been supplied to the Purchaser.
11	On successful completion of acceptability test, receipt of deliverables, etc. and after the Purchaser is satisfied with the working of the equipment, the acceptance certificate signed by the Supplier and the representative of the Purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the equipment.
E	Manufacturer's Inspection Certificate
	After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's plant by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications. Manufacturer's test certificate with data sheet shall be issued to this effect and submitted along with the delivery documents. The purchaser reserves the options to be present at the supplier's premises during such inspection and testing.
F	Acceptance Test
i	The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at Purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation. There shall not be any additional charges for carrying out acceptance test. No mal function, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall

	maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified.
ii	In the event of the ordered item failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which, the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser.
iii	Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier
iv	The acceptance tests at the destination includes, successful demo of the equipment supplied using standard reference.
G	<b>TRAINING:</b>
	The successful bidder should impart training to 4 personnel of the foundation at the on operation, trouble shooting and maintenance for about 5 days as free of cost basis.
H	<b>WARRANTY:</b>
	The warranty of the equipment should be for a period of 36 months from the date of acceptance. During the warranty period free upgrades of the soft wares, if any, should be provided
I	<b>OPTION TO PROCURE ADDITIONAL QUANTITY</b>
	The proposed activity is expected to be completed on turnkey basis. The vendor shall ensure that all the required equipment's including the quality are provided along with the bid including the items mentioned in chapter 4 of this document and the discussion/ negotiation held subsequently prior to finalization of the tender. In no case the vendor shall seek additional payment for the extra activities performed.

#### 4.2 **Scope of Supply and incidental works:**

**The entire requirement has been sub-divided into various parts and the details of each part are mentioned below. Bidders may please note the followings while submitting their bid.**

1. The quantities mentioned are approximate. The bidders are required to access their own quantities and quote accordingly. In case there is a variation on the quantity due to site conditions, the same shall have to be supplied by the bidder without any additional cost.
2. The makes are only indicative. All the bidders who submit their bid with the make mentioned in the bid must enclose the model number and technical literature of the item for which they are submitting their bid and non-furnishing of the documents shall be a material deviation.
3. The bidder who wishes to submit their bid for a different make can also do so however they need to provide documentary evidence stating that the product they are offering conforms to the features of the brand names mentioned in the tender and also during the technical discussion also.
4. The bidders may please note that the bid is to be submitted for all the items of the tender and no bid for any part supply shall be accepted.

5. The bidders may please note that they need to attach the manufacturer's authorisation certificate in respect of the following equipment.

HPLC  
GC  
ICP MS  
GC MS MS  
LC MS MS  
DSC  
TGA  
FTIR

Please note that non-submission of the authorization is a material deviation.

6. The facility shall have the following infrastructural requirements.

### **Facility:**

#### **Ground Floor:**

1. Reception area with waiting lounge
2. Sample Section
3. Remnant Sample Section
4. Reference & working standard storage section
5. Conference room cum class Room-Chemistry
6. Conference room cum class Room-Micro
7. Administrative & QA section
8. Library & Information Room
9. Store Room
10. Facility Head Room
11. VIP meeting Room
12. Pantry
13. Cafeteria
14. Server Room
15. UPS Room
16. Shed for Utility & AHU
17. Toilets for both ladies and gents with all fixtures

#### **First Floor:**

1. Store Room
2. Wet Chemistry Lab
3. Heating Zone
4. Instrumentation Lab -1
5. Instrumentation Lab -2
6. Instrumentation Lab -3
7. Instrumentation Lab-4
8. Microbiology Lab
9. Toilets for both ladies and gents with all fixtures

#### **Reception Area with waiting Lounge:**

- ❖ Receive samples and letters.
- ❖ Keep initial records of the received samples.

### **Sample Section:**

- ❖ Receives the samples.
- ❖ Scrutinizes documents related to samples.
- ❖ Issue of samples to respective sections for analysis.

### **Remnant Sample Section:**

- ❖ Receive residual samples after testing the drug/ pharmaceutical/ cosmetic in the laboratory.
- ❖ Storing of residual samples systematically in proper order as per sample registration number.
- ❖ Storing the test reports systematically in proper order as per sample no.
- ❖ Equipped with stability chambers, refrigerators, freezers.

### **Reference & working standard storage section**

- ❖ Storing primary and secondary standards in proper condition and issuing according to the requirements.
- ❖ Preparation of internal working standards.

### **Conference room cum class Room-Chemistry/Micro**

- ❖ Hall with sitting capacity of 50 and equipped with latest audio-visual facilities.
- ❖ Regular internal monthly meetings and classes are conducted.

### **Administrative & QA section**

- ❖ Deals for pay and allowances of the staff, payments of the vendors and other service provider.
- ❖ Preparation of bills & receipt of payment.
- ❖ Looks after the recruitment rules, maintenance of Service Books, leave records and personal files, of the employees.
- ❖ Purchase of chemicals, stationery, glassware and other items raised by the store section.
- ❖ Maintains records of Quality Management system.
- ❖ Organizes inter laboratory comparisons and issue of documents for effective implementation of ISO/IEC17025:2005, Integrated Management System and Good Laboratory Practice.
- ❖ Issue Test Reports.

### **Library & Information Room**

- ❖ Equipped with reference books.
- ❖ Latest journals, monthly bulletins, and new arrivals (books) in the Pharma Industry will be purchased to keep the staff/Trainee updated with the chronicles of the Pharma Sector.

### **Store Room**

- ❖ Maintains stock of stationary items and chemicals, glassware and other items relating to office work and laboratory respectively.
- ❖ Generate requisition for the purchase of appropriate items useful to the laboratory.
- ❖ Separate storage for flammable and inflammable chemicals to prevent hazards.

### **Wet Chemistry Lab**

- ❖ Contains the facilities for preparation of samples for all types of experiments.
- ❖ Facilities for Titrimetric Quantifications.
- ❖ Facilities for Chemical Identifications.

### **Instrumentation Lab**

- ❖ Separate rooms for HPLC, LCMS, ICPMS, Polarimeter, AAS, GCMS, HPTLC, KF titrator, TGA, bomb calorimeter, DSC, water purification system etc.

- ❖ Chemical storage unit is placed in fume hood area where flammable, corrosive, harmful and toxic chemicals are stored after segregation.
- ❖ Five rooms are dedicated for the instrumentation section.

### **Microbiology Lab**

- ❖ Controlled through HVAC system.
- ❖ Separate Clean room (class 1000) facility for sterility test, microbial limit test and microbiological assay.
- ❖ Compartmentalized (class 10000) media preparation, decontamination and washing facilities.
- ❖ Separate facility for Liquid particle counting and Bacterial Endotoxin Test.

**All windows in the above rooms shall have the required curtains with curtain holders. Each building shall have an overhead water tank including a underground tank for the toilets.**

**The Bidders may please note that the following types of tests shall be performed in the foundation for which all equipment required shall have to be provided. The list produced in the document is only indicative in nature. The bidder is requested to make their own assessment apart from what is mentioned in the tender and submit their offer. The bidder shall have to explain the features of the quoted model that the same is suitable to perform the tests mentioned in this document during the technical evaluation/discussion.**

**Details of tests proposed to be undertaken by the center.**

#### **1. Pharmaceutical Testing**

- i. **Franz diffusion:** For In vitro skin permeation studies of topical formulations

**Franz Diffusion Apparatus is used for studying blood release products like transdermal products, semi solids, emulsions and suspensions and it can also be used for nano formulations.**

- ii. **Elemental Analysis CHNS(O)**

In Pharmaceutical manufacturing CHNS (O) Elemental Analysis is used for characterization of API and intermediate. It determines the amount of carbon, hydrogen, nitrogen, sulfur, and oxygen in a sample. It is a reliable and cost-effective test method which can be used to assure the behavior of pharmaceutical drugs, quality of biofuels, nitrogen in soil and compost CHNS (O) analysis can be used to confirm the purity of products at every stage to maintain and control the production, document, and the product quality. Understanding the composition of the organic elements helps the analysts to determine the structure of the sample substance. It allows a fast, accurate assessment of elemental composition to be made with minimal sample preparation. This enables it to be used as a quick screening test to check that a pure chemical is within a defined specification either prior to use or during manufacturing. If impurities are found, more laborious techniques, such as LC-MS, may then be employed to identify the cause of the impurity. To cap it all, the chemical characterization of organic compounds is used in research as well as for quality control (QC).

Preparing samples for CHNS(O) analysis is a time and labor-intensive process. **Microbalances** are very sensitive and can take several seconds to settle before releasing the weight result.

**CHNS** analyser will be used for analysis.

#### **iii. Thermogravimetric Analysis**

The Thermogravimetric Analysis (TGA) is a remarkable technique used to characterize materials used in various pharmaceutical, food, environmental, and petrochemical applications. TGA measures the composition, purity, decomposition reactions, decomposition temperature and absorbed moisture content of your products.

- It is beneficial in routine analysis of content determination to get accurate understanding of sample composition.
- It helps in understanding the reactivity corrosivity of sample materials when exposed to specific environments.
- TGA analyzes the changes in size, shape and overall mass when exposed to varying temperatures.
- It gives accurate details of the mass change of the materials under test.
- It provides necessary data for a wide range of materials characterization objectives.
- Determines the stability of pharmaceutical drugs.
- Allows quantitative composition analysis.
- It determines the purity of a mineral, inorganic compound, or organic material.
- Helps in determining the water/carbon content or other residual solvents in a material.
- Allows analysis of reactions with air, oxygen, or other reactive gas.

#### iv. **Differential Scanning Calorimetry (DSC)**

About 90% of the pharmaceutical products available are in the solid form (e.g., tablets). To ensure the quality of the products, the concentration and distribution of its components (APIs and Excipients) needs to be determined. The API may be of crystalline or amorphous solid state while the excipient can be solid, liquid, or gas. To make the API soluble and stable, different ways for dispersion are considered. For this, DSC is an excellent tool in characterizing solid dispersions. The correct determination of T<sub>g</sub> helps in knowing about the proper storage conditions, therefore, avoiding phase transitions.

Compatibility study of drug with excipient is of great importance in the pharmaceutical industry which is studied by **DSC** along with the help of **X-ray diffraction** and **Infrared spectroscopy**.

#### v. **Genotoxin Nitrosamine Testing and Analysis**

All pharmaceutical testing laboratories do not have the necessary equipment or the technicians to conduct the specific testing to analyse the levels of NDMA and other nitrosamines as they are mostly present only at ppm levels. Genotoxins at any level are considered unsafe and therefore there is a need to detect their presence as they can cause adverse health effects.

Labs should have the latest instruments and use the correct methods for detection of genotoxic impurities in drug substances and drug products like **LCMS-MS, GCMS-MS, GC-HS**. We carry out elemental impurity analysis, using **ICP-MS or ICP-OES**. The labs should also have experienced in carrying out developmental and validation testing using **LCMS-MS, GCMS-MS, ICP-MS, ICP-OES, AAS, HPLC, GCHS**.

#### vi. **Solid State Characterization**

Solid State Characterization is a crucial aspect in the development of pharmaceuticals as drug products are mostly produced as solid materials and it is highly significant for the pharmaceutical industry. Even a slight change in structure or particle size of a drug product can affect Pharmacological behavior of a drug.

Some of the most common methods to measure changes in structure include **infrared spectroscopy, X-Ray Diffraction, Differential Scanning Calorimetry, Thermogravimetric Analysis, and Microcalorimetry**.

#### vii. **Raw Materials Testing**

Raw material testing is crucially important for ensuring safety, quality, and efficacy of pharmaceutical products.



There are many things to be considered that could impact the way raw materials need to be blended, such as polymorphism, the particle size of raw materials and other properties.

Hence, raw material analysis is essential to determine the purity, identity, and quality of the raw materials before they go into the manufacturing process.

Need to carry out **material analysis, DSC analysis, chemical tests, physical characterisation, FTIR testing and more**, all according to the specifications and safety protocols established by the **FDA and CDSCO**.

List of some common tests:

- Assay
- Impurities and Related Substances
- Residual Solvents and Organic Volatile Impurities
- Identification tests by FTIR, chemical analysis et cetera
- Limit tests for heavy metals by chemical methods or by ICP or ICP MS
- Microbial limit tests
- Sterility testing
- Microbiological assays
- Particle size distribution by optical microscopy
- Particle size distribution by laser diffraction particle size analyser
- Test for crystallinity
- Melting point
- Differential scanning calorimetry (DSC)
- X-ray diffraction (XRD)
- and many more test

#### **viii. Finished Products Testing & Analysis**

We will offer a complete package of pharmaceutical testing services for finished products for both the domestic as well as export markets.

Our services will include identity, purity as well as functional testing for various dosage sterile and non-sterile forms like tablets, capsules, syrups, dry syrups, suspensions, suppositories, pessaries, eyedrops, ointments, transdermal patches, small volume parenterals and large volume parenterals et cetera.

Some of the pharmaceutical tests that we will routinely carry out are listed below –

- Description
- Assay
- Identification
- Uniformity of content / uniformity of dosage units
- Disintegration test
- Friability test
- Single and multi-point dissolution testing
- Related substances and impurities
- Microbiological limit tests
- Pathogens
- Sterility testing
- Pyrogen/Endotoxin testing
- Preservative efficacy testing

- Particle counts for large and small volume parenteral
- Osmolarity measurement
- Particle size distribution
- Viscosity measurements

Besides carrying out routine analysis and release testing report we will also perform stability studies and analytical method development and validation studies to support SME's for their product development and registration in both semi-regulated and highly regulated markets.

## ix. Stability Testing

Stability testing is integral to developing new pharmaceutical products and active pharmaceutical ingredients, to establish their shelf life or expiry date. It is also equally important along with ongoing routine manufacturing to monitor product quality as a function of time. We will provide a complete solution to your requirements of **Stability Studies for Shelf-Life Estimation** during

- Product Development
- Product Shelf life evaluation
- Packing Material development & change over
- For Product Registration in Global Markets
- Critical supplier change
- **Physical Changes:** With the stability test, researchers monitor changes in the physical attributes of the drug when stored for specified durations. Key changes that are monitored include the change in color, water content level, change in pH, change in viscosity, presence of crystalline substances, and its difference in dissolution and disintegration properties from the day it was packed.
- **Chemical Changes:** The stability protocol for pharmaceutical products, when analyzing chemical evidence, is to look for the presence of residual solvents, related substances, and any degradation by-products along with assay.
- **Microbial Changes:** Stability studies prove that pharmaceutical drugs, when stored for long periods at room temperature and in temperature-controlled conditions, can lead to a change in the microbial level. In microbial stability studies of drugs, researchers look for the presence of pathogenic microorganisms and the effectiveness of added microbial preservatives, and any impact on the efficiency of the drug.
- **Real-Time Stability Testing:** This form of stability testing is conducted on drugs for the same duration as the recommended shelf life. In this, regular periodic tests are conducted and conclusive analysis is done for its composition, efficiency, and reaction to various conditions. The trend analysis from this periodic testing is compared with different batches and a linear conclusion is approached.
- **Retained Sample Stability Studies:** This testing procedure is practiced for every marketed product that requires stability studies. In this, the stability of the drug is periodically inspected and is allowed a degradation percentage of 2-5. For example, if a pharmaceutical drug has a shelf life of 5 years, the drug is tested in its 3rd, 6th, 12th, 24th, 36th, 48th and 60th month and the changes in its physical, chemical, and microbial composition are noted and compared with the regulated permissible levels.
- **Cyclic Temperature Stress Testing:** This testing procedure is not compulsory and drugs undergo this test on a case to case basis. In this, the minimum and maximum temperature conditions are mimicked in a controlled environment and the drugs are exposed to these conditions for 24 hours and the changes if any are noted.
- Normally the drug undergoes 20 cycles of cyclic temperature stress testing before any conclusive analysis on its stability is made.
- **Accelerated Stability Testing:** This is a form of shelf-life testing and is used to gain insights on the predicted shelf life of the drug. In this, the drug is exposed to more than ambient temperatures and the changes are noted. Earlier the drug used to be exposed to extreme conditions and the amount of heat required to cause chemical composition failure was noted. This information was used to extrapolate the shelf life and relative stability of the pharmaceutical product.

For statistical linearity, the drug is exposed to 4 different temperature conditions and the exposure to accelerated conditions after refrigeration is also noted. Now the protocols are simplified and based on target markets and storage conditions, single accelerated condition storage usually at 40 degree celsius and 75% Humidity is used as per ICH.

#### **X. Pharmaceutical Microbiology Testing**

Microbiological testing plays an important role in the production of pharmaceutical drug substances and drug products.

We will provide pharmaceutical microbiology testing services to manufacturers of both sterile and non-sterile pharmaceutical products and substances. Our laboratories are well equipped and carry out all the required microbiological testing for pharmaceutical industry including –

##### **Sterility Testing:**

Sterility testing is an essential microbiology testing requirement that ensures sterile pharmaceuticals, medical equipment and substances are safe for use. We offer two sterility testing methods:

- Direct Inoculation
- Membrane Filtration

##### **Bacterial Endotoxin Testing by LAL Test:**

Limulus Amoebocyte Lysate (LAL) test is performed to check and quantify bacterial endotoxins that are extracted from the products.

##### **Microbial Limit Tests:**

Microbial contamination testing is performed for non-sterile products in which harmonised pharmacopoeia or client-supplied methods are used that determine the bioburden within the sample.

**Total Bacterial Counts:** Total bacterial count indicates the number of microorganisms present in a sample. The number of microorganisms should not be greater than the specified guide values that are expressed in CFU (colony-forming units) per gram or milliliter.

**Total Fungal Counts:** It indicates fungal count present in a sample. Monitoring this is important to know about the fungal contamination in pharmaceuticals.

##### **Detection of Pathogens:**

Detection of pathogens in pharmaceuticals finished products and raw materials is important for the safety and well-being of the consumers.

**Antibiotic Assay:** This is done to determine the efficiency of antibiotics.

**Vitamin Assay:** It is important to determine the potency of vitamins.

**Assay for Probiotics like Lactobacillus:** It is used for the total viable count. It is important to ensure that the product is fit for human consumption.

**Preservative Efficacy Testing:** This test is performed to check the type and minimum effective concentration of preservative that is required for satisfactory preservation of pharmaceuticals.

### Total Viable and Non-Viable Particle Count in Large Volume Parenterals

This is a critical test and is a mandatory pharmacopeial requirement. Either a microscopic particle count or a light obscuration liquid particle counter is used to perform this test

#### A. List of Equipment/Instruments for Chemistry section:

Sr. no.	Name of Instrument /Equipment / Device	Proposed instruments qty.	Proposed Makes
1	Dissolution Tester with Auto sampler (14 Jar)	2	Lab India/Veego /Sotax
2	Dissolution Tester autosampler (8 Jar)	3	Lab India/Veego /Sotax
3	Liquid Particle Counter with 21CFR compliance software)	1	Pamass
4	Rotary Shaker	1	Spectevo/Remi or equivalent
5	UV Spectrophotometer with 21CFR compliance software)	1	LabIndia/Perkin /Thermo/Shimadzu
6	HPLC (UV detector) with 21CFR compliance software)	3	Shimadzu/Waters /perkin/agilant
7	HPLC (PDA) with 21CFR compliance software)	2	Shimadzu/Waters /perkin/agilant
8	HPLC (FLR) with 21CFR compliance software)	2	Shimadzu/Waters /perkin/Agilant
9	HPLC (RI) with 21CFR compliance software)	2	Shimadzu/Waters /perkin/agilant
10	HPLC with ELSD	1	Shimadzu/Waters /perkin/agilant
11	Karl Fischer + Auto Titra with 21CFR compliance software)	1	LabIndia/Mettler/veego
12	Analytical Balance 220 gm, 5 digits,	3	Mettler/Radwag /shimadzu
13	Analytical Balance (Micro balance) 5.2gm 6 digit	1	Mettler/Radwag /shimadzu
14	Balance (1g - 600g)	1	
15	Analytical Balance 4 digit	2	Mettler/Radwag /shimadzu
16	Gas Chromatography HS with 21CFR compliance software)	1	perkin/thermo /Shimadzu

17	Melting point apparatus	1	Contech/ Lab India
18	Laboratory Oven 90 litres 18*18*18 inch	2	Macro/Labtop /Jindal
19	Refractometer	1	Lab India/Rudolph
20	Muffle furnace	1	Macro/Labtop /Jindal
21	UV light Lux Meter	1	HTC/Testo/Meco
22	Oil bath with PID controller	1	Macro/Labtop /Jindal
23	Mobile phase filtration assembly	1	Borosil/pall /Advantech
24	cooling chamber 430 litres	2	Remi/ThermoLab /Labtop/Macro
25	Vacuume Oven 30 litres	1	Macro /Jindal
26	Moisture balance	1	Radwag/Mettler
27	TLC plate preparation set complete with all accessories	1	
28	Sieve shaker machine with sieve set	1	retsch/ Coleparmer /Scientech
29	Digital Thermometer	1	Antylia
30	Bursting strength machine	1	Presto/testronix
31	Polarimeter digital	1	Rudolph/Lab India
	Vacuum leak tester complete with dessicator	1	Lab India
32	Magnetic stirrer with hot plate	2	borosil
33	Conductivity meter	1	Thermo
34	Kjeldal Distillation Apparatus automatic	1	Borosil
35	Vernier caliper 150 mm Digital	2	Antylia
36	Screwgauge	2	Antylia
37	Heating mentle	1	Jindal/scientech
38	Tap density tester	1	Lab India
39	Viscometer brookfield with helipad	1	Brookfield
40	Disintegration Machine	1	Lab India
41	Hardness tester digital single	1	Lab India
42	Water purification System	1	Pall/Millipore/AVITY/LABQUIP
43	Micro Pipette complete set variable volume	1	Brand/Eppendorf/ABDOS
44	ICPMS	1	Perkin/Thermo/ Agilant
45	LC MSMS	1	Waters/Shimadzu /agilant
46	GC MSMS	1	Perkin/Thermo
47	Particle size analyser	1	BeckmanCoulter/ Anton Paar
48	Differential Scanning Calorimeter(DSC)	1	Mettler/perkin

49	Thermogravimetric analysis (TGA)	1	Mettler/perkin
50	FTIR with 21CFR compliance software)	1	perkin/Thermo
51	pH Meter	2	Eutech
52	U.V. Cabinet	1	macro
53	Water Bath	2	macro/borosil
54	Weight box E-2 (Balance calibration) 200gms	1	radwag/mettler
55	Laboratory Centrifuge	2	Eppendorf/REMI/THERMO
56	Ultrasonic bath with Chiller	2	perkin/labIndia/ macro
57	Auto titrator	1	labindia
58	Glasswares,	different size	borosil
59	Refrigerator 2-8 deg 600-800 L	3	cellfrost/vestfrost
60	Refrigerator 2-8 300-400 L	3	cellfrost/vestfrost
61	Freezer -20 Deg 300-400 L	1	cellfrost/vestfrost
62	Stability Chamber 1000-1200 Ltr 30/75%	1	newtronic/ remi/macro
63	Stability Chamber 1000-1200 Ltr 30/65%	1	newtronic/ remi/macro
64	Stability Chamber 1000-1200 Ltr 40/75%	1	newtronic/ remi/macro
65	Photo Stability Chamber 227 Ltr 55-60/90%	1	newtronic/ remi/macro
66	Laboratory Furniture & Fume Hood, Spot Extractor complete with Internal Electric/LAN work	1	Godrej/Labgaurd/ Kewaunee/Space Design
67	LIMS- Software		
68	Centralised GDS & Utility system complete with all accessories		

### B. List of Equipment/Instruments for Microbiology Section:

S. No.	Incubator	QTY	Proposed Make
1	BOD Incubators Pre-incubation 30-35°C (500 Ltr.)	1	macro/labtop / Remi
2	BOD Incubators (Temp. 20-25 degree) (430 Ltr.)	1	macro/labtop /Remi
3	BOD Incubators(30-35 degree) (500 Ltr.)	1	macro/labtop /Remi
5	BOD Incubators (I-Series)(42-44 degree) (430 Ltr.)	1	macro/labtop /Remi
6	Cooling Cabinet (430 Ltr.)	1	macro/labtop /Remi
7	Deep Freezers - 80 deg	1	bluestar

8	Hot Air Oven (90 Ltr.)	1	macro/labtop /Remi
9	Laminar Air Flow	1	macro/labtop /Remi
10	Bio Safety cabinet Class II A2	2	Haier/ESCO/THERMO
11	Colony counter	1	REMI OR EQUIVALENT
12	Double Door Steam Sterilizer (Autoclave)	1	macro/Equitron
13	Analytical Balance 600 gm	2	radwag
14	SS 3 places Manifold with assembly Sterile funnel with cellulose Nitrate membrane 0.45 $\mu$ (with ink grid)	1	Pall
15	Micro pipette set of 6, complete range upto 5000 $\mu$ l (variable) with tips & stand	1	eppendorf/brand
16	Water Sampling bottles 250mL blue cap	30	borosil
17	Forceps	10	tarsan
18	Dressing drum for carrying the sampling bottles	1	
19	Inoculating Loop	3	
20	pH meter	1	Thermo
21	Water bath	1	borosil
22	Vertical Autoclave	1	macro/Equitron
23	Garments washing Machine	1	samsung
24	Microscope	1	olympus
25	Vortex Mixer	1	borosil
26	Vernier caliper	1	Antylia
27	Serological water bath	1	borosil
28	Magnetic stirrer	1	borosil
29	Fogger	1	
30	Band sealer machine	1	
31	Elisa reader with plate washer with endotoxin testing	1	Biotek

32	Clean Room facility class 1000 & class 10000 complete with HVAC, Internal Electric Work, Utility work etc.	1	
33	Laboratory Furniture for Micro section	1	

### C. Electrical Work Details (Approximate) :

The details mentioned are only for the information of the bidders. All required accessories needed for illumination as well as for the power supply to the instruments shall have to be provided by the bidder.

S No.	Description	Unit	Qty.
<b>1.0</b>	<b>Sub Head -I (LT PANELS &amp; DISTRIBUTION BOARDS)</b>		
1.1	Main LT Panel	Nos	1
1.2	HVAC PANEL	Nos	1
1.3	APFCR Panel - 80 KVAR	Nos	1
1.4	UPS Output Panel.	Nos	1
1.5	Servo By Pass Panel Cum Phase Correction Panel	Nos	1
<b>2.0</b>	<b>Subhead - II (Final Distribution Board).</b>		
	Supply, installation, testing and commissioning of surface/ recessed mounted final distribution board made out from CRCA sheet steel complete with tinned copper channel, neutral & earth link, interconnection as required, with suitable nos. of knockout for conduit, including cutting of wall and making good of the same, complete with the following:		
2.1	<b>Lighting DB</b> - TPN DB, 24 No. 6-32 Amps SP MCB's as outgoing with 3 No. 25 A DP RCCB's of 100 mA leakage current and 1 No. 40 Amps 4 pole MCB as incomer with separate neutral link for each phase	Set	4
2.2	<b>General Power DB</b> - TPN DB, 30 No. 6-32 Amps SP MCB's as outgoing with 3 No. 63 A DP RCCB's of 100 mA leakage current and 1 No. 63 Amps 4 pole MCB as incomer with separate neutral link for each phase	Set	6



2.3	<b>UPS Power DB</b> - TPN DB, 30 No. 6-32 Amps SP MCB's as outgoing with 3 No. 63 A DP RCCB's of 100 mA leakage current and 1 No. 63 Amps 4 pole MCB as incomer with separate neutral link for each phase	Set	6
2.4	<b>Emergency Lighting DB</b> - SPN DB, 14 No. 6-32 Amps SP MCB as outgoing with 1 No. 40 Amps DP RCCB of 100 mA leakage current including neutral link as incomer.	Set	2
2.5	<b>Equipment Power 8 WAY VTPN DB</b> - 4 Nos 32 Amps TP MCB's+ 4 Nos 25 Amp TP MCBs as outgoing and 1 No. 160 Amps 4 pole 16 KA MCCB as incomer with separate neutral link	Set	4
<b>3.0</b>	<b>Subhead - III (Internal Wiring).</b>		
3.1	Supply, Installation, Testing, Commissioning and Wiring for light points for switch controlled points with 2.5 sq. mm FRLS PVC insulated stranded copper conductor 1100 Volt grade wires in 25 mm dia PVC surface / concealed conduit including cost of providing saddles etc. for surface Conduiting and/or cost of cutting and filling chases for recessed Conduiting and including the cost of providing and fixing a 6 amp 240 Volt grid plate mounted modular switch with modular cover plate in zinc chromate passivated MS box and including the cost of running 1.5 sq mm PVC insulated FRLS stranded copper conductor wire for loop earthing etc. complete as per specifications and as required. (The rates shall include circuit wiring from the DB as required).		
3.1.1	Primary point controlled by one 6 amps switch.	Nos.	150
3.1.2	Secondary point to be looped from above primary point.	Nos.	250
3.2	Supply, Installation, Testing, Commissioning and Wiring for 2 nos 6 amp socket point with 2 nos 6 amp switch with 2.5 sq. mm FRLS PVC insulated stranded copper conductor 1100 Volt grade wires in 25 mm dia PVC surface / concealed conduit including cost of providing saddles etc. for surface Conduiting and/or cost of cutting and filling chases for recessed Conduiting and including the cost of providing and fixing a 6 amp switch socket 240 Volt grid plate mounted modular switch with modular cover plate in zinc chromate passivated MS box and including the cost of running 2.5 sq mm PVC insulated FRLS stranded copper conductor wire for loop earthing etc. complete as per specifications and as required.		
3.2.1	Primary point controlled by one 6 amps switch.	Nos.	10
3.2.2	Secondary point to be looped from above primary point.	Nos.	40

3.3	Supply, Installation, Testing, Commissioning and Wiring for 6 amp socket point with 6 amp switch with 2.5 sq. mm FRLS PVC insulated stranded copper conductor 1100 Volt grade wires in 25 mm dia PVC surface / concealed conduit including cost of providing saddles etc. for surface Conduiting and/or cost of cutting and filling chases for recessed Conduiting and including the cost of providing and fixing a 6 amp switch socket 240 Volt grid plate mounted modular switch with modular cover plate in zinc chromate passivated MS box and including the cost of running 2.5 sq mm PVC insulated FRLS stranded copper conductor wire for loop earthing etc. complete as per specifications and as required.		
3.3.1	Primary point	Nos.	10
3.3.2	Secondary point to be looped from above primary point	Nos.	50
3.4	Supply, Installation, Testing, Commissioning and Wiring for 250 volts single phase and neutral 6/16A, modular switch socket outlet with 2 x 4.0 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible "FRLS" wire in concealed or surface mounted 25 mm dia conduit including providing and fixing of 6/16A, modular switch socket outlet of approved make and design GI box with grid plates and earthing the third pin of each socket outlet with 2.5 Sq mm PVC insulated copper conductor stranded flexible "FRLS" wire.		
3.4.1	Primary points with 3 x 4.0 SQMM wire including a set of 1 No. 6 / 16 amps modular socket outlet controlled by one No. 16 Amps switch.	Nos.	50
3.4.2	Secondary point looped with 3 x 2.5 SQMM wire including including a set of 1 No. 6 / 16 amps modular socket outlet controlled by one No. 16 Amps switch.	Nos.	100
3.4.3	<b>20A</b> , single Phase, 3 pin Industrial type socket with TOP, 20A DP MCB enclosed in 1.2mm thick, M.S box with front <b>powder coated cover plate</b> .	No	10
3.4.4	<b>32A</b> , Three phase, 5 pin Industrial type socket with TOP, 32A TPN MCB enclosed in 1.2mm thick, M.S box with front <b>powder coated cover plate</b> .	Nos	10
3.4.5	Isolator Box with 63 A TPN MCB.	Nos.	20
3.4.6	Isolator Box with 125 A TPN MCCB.	Nos.	5
3.4.7	Submain wiring with 2x 2.5 + 1x 2.5 sqmm Copper Flexible wire	Meter	2000
3.4.8	Submain wiring with 2x 4 + 1x 4 sqmm Copper Flexible wire	Meter	4500

3.4.9	Submain wiring with 4x 4 + 2x 4 sqmm Copper Flexible wire	Meter	1000
3.4.10	Supply & Fixing of 25 mm PVC Medium duty Conduit	Meter	1000
<b>4.0</b>	<b>Subhead - IV (LT Cables and cable trays).</b>		
4.1	Supply, receiving, loading and unloading, laying, fixing, testing & commissioning of following sizes of 1.1 kV grade XLPE insulated, PVC type ST-2 inner & outer sheath, Aluminium / CU conductor, Armoured / Unarmoured cables as per IS:7098 Part-I. on existing cable trays / in existing hume pipes / PVC pipes / GI pipes / on surface of slabs, walls or masonry / RCC trenches / ducts including cables ties, GI saddles, clamps and necessary hard ware.		
4.1.1	3.5 core 400 sq. mm Al arm.	RM	50
4.1.2	3.5 core 300 sq. mm Al arm.	RM	200
4.1.3	3.5 core 150 sq. mm Al arm.	RM	70
4.1.4	3.5 core 50 sq. mm Al arm.	RM	0
4.1.5	3.5 core 35 sq. mm Al arm.	RM	200
4.1.6	4 core 16 sq.mm Al. arm.	RM	600
4.1.7	4 core 10 sq.mm Al. arm.	RM	200
4.1.8	4 core 16 sq.mm Cu arm.	RM	1200
4.1.9	3 core 25 sq.mm Cu arm.	RM	50
4.1.10	4 core 4 sq.mm Cu arm.	RM	200
4.1.11	3 core 4 sq.mm Cu arm.	RM	200
4.1.12	3 core 2.5 sq.mm Cu arm.	RM	50

4.1.13	7 core 2.5 q.mm Cu arm.	RM	50
4.1.14	12 core 2.5 q.mm Cu arm.	RM	50
4.1.15	1 core 25 sq.mm Cu Unarm. FRLS for UPS Connectivity	RM	100
4.2	Supplying and making Cable end termination of the following XLPE insulated PVC sheathed Aluminium / copper conductor armoured cables of 1100 volt grade including supplying and fixing of bimettalic crimping lugs, double compression glands with earthing testing and commissioning complete in all respect as required as per site conditions.		
4.2.1	3.5 core 400 sq. mm Al arm.	No.	2
4.2.2	3.5 core 300 sq. mm Al arm.	No.	8
4.2.3	3.5 core 150 sq. mm Al arm.	No.	2
4.2.4	3.5 core 50 sq. mm Al arm.	No.	
4.2.4	3.5 core 35 sq. mm Al arm.	No.	4
4.2.5	4 core 16 sq.mm Cu / Al arm.	No.	30
4.2.6	4 core 10 sq. mm.Al arm.	No.	10
4.2.7	3 core 25 sq.mm Cu arm.	No.	2
4.2.8	4 core 4 sq.mm Cu arm.	Nos	10
4.2.9	3 core 4 sq.mm Cu arm.	Nos	10
4.2.10	3 core 2.5 q.mm Cu arm.	Nos	4
4.2.11	7 core 2.5 q.mm Cu arm.	Nos	4

4.2. 12	12 core 2.5 q.mm Cu arm.	Nos	4
4.2. 13	1 core 25 sq.mm Cu Unarm. FRLS for UPS Connectivity	No.	6
<b>CABLE TARYS</b>			
4.3	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts,complete with all bends, tees, elbows, reducers, supports & fixing arrangement etc. of various widths in single tier/two tier/ three tier/ five tier fashion either on one side of the wall or on two sides of the wall or ceiling/wall/floor. (All bends & tees shall be of factory built of same make as that of tray). Cable tray supports are supposed to be included in the rate of the trays, as required.		
4.3. 1	150 MM width X 50 MM depth X 1.6 MM thickness	Mtr.	200
4.3. 2	300 MM width X 50 MM depth X 1.6 MM thickness	Mtr.	100
4.3. 3	600 MM width X 50 MM depth X 1.6 MM thickness	Mtr.	50
4.4	Supplying and installing following size of perforated Hot dip Galvanised M.S. cable trays with cover , perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with GI suspenders including bolts& nuts, painting suspenders etc as required.		
4.4. 1	150 mm width X 40 mm depth X 2 mm thickness with cover	Mtr	300
4.4. 2	300 mm width X 40 mm depth X 2 mm thickness with cover	Mtr	100
4.5	Providing and fixing of the following size medium class GI pipe sleeves. Including crossing of wall / slab.		
4.5. 1	100 mm. dia.	Mtr.	20
<b>5.0 Subhead - V (Earthing System).</b>			

5.1	Providing, laying , testing and commissioning of advanced maintenance free Earthing System consisting of 1 Nos. CPRI tested copper bonded steel electrode of 17.2 MM dia. each With a min. coating thickness of 250 Microns and length of 3 Mtr. and 25 KGS / Electrode of earth enhancing compound needs to be considered to fill the 100 MM augured hole surrounding to the electrode. The rate shall include excavation of earth, filling with back fill compound, and earth pit marking including 17.2 MM dia. Copper bonded carbon steel core Electrode tested according to IEC 62561-2, SS Universal Clamp for termination, Earth enhancing compound(OEC) tested as per IEC 62561-7 and Poly Propylene Heavy duty Pit & cover.	Set	26
5.2	Supply, fixing, testing and commissioning of following bare copper / GI strip / tape / wire including all necessary fixing accessories and effecting connection as per specification.		
5.2.1	50 x 6 mm thick GI strip.	Mtr.	200
5.2.2	50 x 6 mm thick CU strip.	Mtr	50
5.2.3	25 x 6 mm thick GI strip.	Mtr.	800
5.2.4	8 SWG GI wire.	Mtr.	1000
5.2.5	25 x 6 mm Copper Strip	Mtr	100
5.2.6	Single Core 16 SQMM Green colour copper flexible cable.	Mtr.	300
<b>6.0</b>	<b>Subhead - VI (UPS System).</b>		
6.1	Supply, installation, testing and commissioning of <b>2 x 30 kVA UPS, in Parallel Redundant configuration</b> , 3 phase (415 V + 15%) Volts input & 3 phase output (440 V + 1%), 50 Hz, 100% IGBT inverter & converter, Input harmonic Current THD 3% typical at 100% load, 6% maximum at 50% load and <b>20 min battery backup</b> for each UPS along with battery cabinet complete in all respect including supporting steel structure for UPS and Battery as required. Quoted price shall be inclusive of approved rating single core copper conductor cable connecting UPS and batteries on cable trays. <b>Each UPS shall be with inbuilt Isolation Transformer at the Input side.</b>	Set.	1
<b>7.0</b>	<b>Subhead - VII (Indoor Lighting Fixtures).</b>		

7.1	Supply, Unloading, Receiving, Storing, Assembling, Fixing, Termination, Testing and Commissioning of the following Type LED Lighting Fixtures with all fitting, driver, housing & reflector complete with providing of all necessary hardware's like raw plugs, hangers, support plates as required for fixing etc. Complete in all respect. All toll & tackles, Hardware, required for successful installation, testing & commissioning shall be in scope.		
7.1.1	18 Watt 4 feet liner wall & ceiling mounted LED light fixture.	Nos.	25
7.1.2	70 Watt round high bay LED light fixture.	Nos.	8
7.1.3	10 Watt round down recessed mounted LED light fixture.	Nos.	80
7.1.4	600 x 600 MM 40 Watt recessed mounted LED light fixtures	Nos.	200
7.1.5	600 x 600 MM 40 Watt recessed mounted LED light fixtures Clean room Light	Nos	70
7.1.6	Supply, Installation, Testing & Commissioning of electrically operated LED EXIT sigN board with interchangeable relay with box, complete in all respect.	Nos.	5
<b>8.0</b>	<b>Subhead - VIII (Conduiting &amp; Cabling of ELV Services).</b>		
8.1.1	Supply, Installation, testing and commissioning of four pair Category 6 LAN cable consisting of 23 AWG solid copper conductors and as per the specification. The cable shall have flexible jacket and ripcord for easy Strip ability including terminations required at both the ends. Complete in all respect.	Mtr.	1600
8.1.2	Supply and installation of flush mounted Category 6 T 568 A or B outlet. The plastic shall be high impact, flame-retardant UL rated thermoplastic. Dust cover / Blank shall be provided to protect unused face plate openings. Termination cap and plastic cover shall be provided to protect jack wiring.		
8.1.3	Single outlet faceplate with RJ-45 jack with information outlet with back box.	Nos.	25
8.1.4	Supply and fixing of PVC Thick 25 MM conduits ncluding cost of junction boxes, bends, elbows, sockets, tees etc. laying in slab cutting of chase in wall / slab / floor etc. and making good or surface mounted including all fixing hardware.	Mtr.	800
8.1.5	Supply, installation, testing and commissioning of <b>Layer 3 managed switch with 24 ports (RJ-45), POE</b> as to support ports complete with supply.	Nos	2

8.1.7	24 Port Loaded Patch Panel with Rack	Nos	2
8.1.6	Supply and installation of flush mounted Category 6 Patch cord	Nos	40
8.1.7	Single outlet faceplate with RJ-11jack with information outlet with back box.	Nos.	20
8.1.8	50 Pair Tag Block	Nos	1
<b>9.0</b>	<b>Subhead - IX ( Substation services).</b>		
9.1	Supply, Laying, Testing & Commissioning of 11kV grade XLPE insulated Aluminium conductor, Steel armored, PVC sheathed, cable in masonry trenches / buried underground with sand, brick & all supports, brackets, clamps etc. as required.		
9.1.1	11KV 3C x 240Sqmm XLPE HT Cable	Meter	50
9.1.2	11KV 3C x 240Sqmm Indoor End Termination of Cables	Nos	4
9.1.3	Supply and fixing in position the approved "Shock Treatment Charts" written in English and Local Language.	No.	2
9.1.4	Providing and fixing LV / HV danger notice plate of 200 X 150 mm, made of mild steel at least 2 mm thick and vitreous enameled white on both sides and with inscription in single red color on front side as required ( English & Local Languages.) (1 No. each in LT room, HT room, Transformer)	No.	10
9.1.5	Supply & Laying of non-skid Electro mat 1mtr wide and 2 mm thick 11 KV grade IS 15652 as required including cutting to required length complete as per requirement of local electricity authorities.	RM	8
9.1.6	Supply & Laying of non-skid Electro mat 1mtr wide and 2 mm thick 1.1 KV grade IS 15652 as required including cutting to required length complete as per requirement of local electricity authorities.	RM	12
9.1.7	Supplying of Rubber hand gloves suitable for 11 kV.	Nos	1
9.1.8	Supply of First aid box containing material as prescribed by St. John Ambulance brigade OR Indian Red Cross complete as required.	Nos	1
9.1.7	Supply, Installation, Testing & Commissioning of Compact Substation (CSS) 160 KVA , 11/0.433KV, 3Phase complete	Nos	1
9.1.	Silent Generator 160 KVA	Nos	1



8			
9.1.9	160 KVA SERVOSTABILIZER	Nos	1
<b>10</b>	<b>Subhead - X (LIGHTNING PROTECTION SYSTEM)</b>	-	-
10.1.1	Supply, installation, testing and commissioning of testing joint, Mounted on the existing down conductor having all necessary accessories complete in all respect for connection to the earth pit as required.	Set	4
10.1.2	Supply, Installation, testing & Commissioning of Lighting counter - To count no of lightning strike & it can record the date and time of the lightning incident also tested as per IEC 62561-6 complete in all respect as required as per the site condition	Set	1
10.1.3	Supply, Testing & Commissioning, fixing of following bare Copper / GI tapes / wires including all necessary fixing accessories, insulators and effecting connections as per specifications.		
10.1.4	25 x 3 mm thick GI tape	RM	500
10.1.5	25 x 6 mm thick GI tape	RM	200

#### D. Civil Estimate:

- **The details mentioned are only for the information of the bidders. All required activities needed for the construction of the building as well as for the installation of the instruments shall have to be provided by the bidder.**

S.No.	Description	Quantity	Units
1a	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m	397.51	cum
1b	Filling available excavated earth (excluding rock) in trenches ,plinth, sides of foundation etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering lead up to 50m and lift up to 1.5m.	95.71	cum

1c	Filling with available fly ash and earth (excluding rock) in trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted depth of fly ash, sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer -in-charge, including compacting each layer by rolling/ ramming and watering, all complete as per drawing and direction of Engineer -in - charge.	0.00	cum
2a	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	1026.58	ltr
3a	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size)	130.69	cum
4a	Providing and laying in position machine batched and machine mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note: - Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately). All works upto plinth level	144.61	cum
4b	Providing and laying in position machine batched and machine mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately).All works above plinth level up to floor V level	429.46	cum
5a	Centering shuttering including strutting, propping etc. and removal of form work Foundations, footings, bases of columns, etc. for mass concrete	196.38	Sqm
5b	Centering shuttering including strutting, propping etc. and removal of form work Columns, Pillars, Piers, Abutments, Posts and Struts	391.86	Sqm
5c	Centering shuttering including strutting, propping etc. and removal of form work Suspended floors, roofs, landings, balconies and access platform	2142.17	Sqm

5d	Centering shuttering including strutting, propping etc. and removal of form work Lintels, beams, plinth beams, girders, bressumers and cantilevers	1638.75	Sqm
5e	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	0.00	Sqm
6a	Reinforcement for R.C.C work including straitening, cutting, bending, placing in position and bending all complete Thermo-Mechanically Treated bars.	96222.96	Kg
7a	230th Brick work with common burnt clay F.P.S. (non-modular) brick of class designation 75 in foundation & plinth in cement mortar 1:6	26.50	cum
7b	Brick work with non-modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in : Cement mortar 1:6 (1 cement : 6 Coarse sand)	390.43	cum
7c	Half brick masonry with non-modular fly ash bricks of class designation 10, conforming IS: 12894, in super structure above plinth and up to floor V level. Cement mortar 1 : 4 (1 cement : 4 coarse sand)	316.44	sq.m.
8a	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile B Fixing with adjustable lugs with split end tail to each jamb	245.40	mtr
8b	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile C Fixing with adjustable lugs with split end tail to each jamb	318.30	mtr
8c	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	104.58	Sqm

8d	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	2407.32	Kg
8e	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	2006.10	Kg
8f	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer in charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	262.44	kg
8g	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. Single rubber stopper	32.00	each
8h	Providing and fixing PTMT door catcher of length 72 mm and dia. of 42 mm with suitable washers weighing not less than 33 gms.	32.00	nos
8i	Providing and fixing aluminium tower bolts, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :300x10 mm	64.00	nos
8j	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodized (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	32.00	nos
8k	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. Single rubber stopper	32.00	nos
8l	Providing and fixing aluminium handles, ISI marked, anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	64.00	nos
8m	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight up to 35 kg and door width up to 700 mm), with necessary accessories and screws etc. complete.	32.00	nos

9a	12mm thick plaster on the plain in side of mix 1:6 ( 1 cement : 6 fine sand) mortar	2490.64	sq.m
9b	15 mm cement plaster on the rough side of single or half brick wall of mix :	1530.81	sq.m
9c	6mm thick cement plaster of ceiling of mix 1:3 ( 1 cement : 3 fine sand) mortar	1716.47	sq.m
9d	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinkable priming coat with cement prime.	4207.11	sq.m
9e	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete. D.S.R. 13.26	5737.92	sqm
9f	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	1530.81	sq.m
9g	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	518.47	sq.m
10a	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge : Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent	55.53	sq.m
10b	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.Size of Tile 600x600 mm	1642.52	sq.m
10c	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	8.40	sq.m
10d	Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match	25.83	sq.m

	the stone shade. 8mm thick (mirror polished and machine cut edge) Granite stone of any colour and shade		
11a	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	25.66	cum

## Detailed Specifications:

### Dissolution apparatus with auto sampler

- No. of stations: 8/14
- Speed range: 20 RPM to 300RPM.
- Speed accuracy:  $\pm 1$  RPM.
- Temperature range: 20<sup>0</sup>C to 40<sup>0</sup>C.
- Temperature accuracy (37<sup>0</sup>C):  $\pm 0.1$ <sup>0</sup>C.
- Display: 40 x 4 character LCD.
- No. of protocols: 20.
- No. of samples: 24.
- Sample interval: 1 min to 999hrs, 59 min.
- No. of syringes/ Piston pump: Standard : 6, Optional : 8.
- Interface port : RS 485.
- Stirrer drive: High performance BLDC
- Vessel capacity: 100ml, 250ml, 1L, 2L, 4L.
- Water bath : One piece moulded clear or amber
- Bath capacity : 28 L.
- Temperature controller: Heater: 1kw, SS 316 with thermal protection. Sensor: RTD.
- Electrical power: 20/230 VAC, 50/60 Hz, 1.3kw/6 Amp. 110VAC, 50/60 Hz, 1.3 kw/6 Amp
- Dimensions (W x H x D):
  - I. Basic : 124cm x 65cm x 71cm.
  - II. Offline automation system: 170cm x 65cm x 71cm.

## Liquid Particle Counter

Sensor Cell design	Volumetric design
Inbuilt Degassing Feature	Not Available
Data Storage Feature	Available
Size of measuring particle	2-100 microns
Sensor Type	HCB-LD-50/50
Wetted surface materials	Viton
No of channels	8
Display Type	LCD
Sampling mode	Offline sampling
Sampling System type	wear resistant piston pump type
Battery Operation	Available
Warranty	12 month

## Rotary Shaker

Speed Range	rpm	80 to 180
Platform Size	inches	7x11

Flasks Capacity [max]		–
Overall Dimensions	W x D x H (mm)	270 x 260 x 156
Speed Indicator		Digital
Digital Count down Timer	minutes	15
Shaking Orbit	mm	10

## UV Spectrophotometer

Wavelength range	190 - 1100 nm
Selectable wavelength	0.1 nm increments
scan speed	3000 to 2 nm/min and 29000 nm/min when survey mode
Light source change	Automatic interchange linked to wavelength. The interchange wavelength can be set freely in the range of 300 to 360 nm (0.1 nm increments).
Measurement method	Double beam
Light source	Halogen (20W) & Deuterium Lamp
Photometric system	LO-RAY-LIGH grade blazed holographic grating in Czerny-Turner mounting
Detector	Silicon photodiode
Monochromator	LO-RAY-LIGH grade blazed holographic rating in Czerny- Turner Mounting
Spectral bandwidth	1 nm (190 to 1100 nm)
Wavelength accuracy	± 0.1 nm at 656nm and 0.3nm for full range
Wavelength repeatability	±0.1 nm
Stray light	Less than 0.02%
Photometric range	Absorbance: -4 to 4 Abs
	Transmittance: 0.0 to 400%
Photometric accuracy	±0.004 Abs (at 1.0 Abs)
	±0.002 Abs (at 0.5 Abs)
Photometric repeatability	Less than ±0.0002 Abs (at 1.0 Abs)
Drift	Less than ±0.0003 Abs/h
Baseline flatness	Less than ±0.0006 Abs
Noise	Less than 0.00005 Abs
Standard Software	Photometric, Spectrum, Quantitation, Kinetics, Time scan, multi-component quantitation etc.
Compatibility and Output	Can be used Stand-alone, also with Computer, with Printer, with USB drive

## HPLC WITH PDA/RI/UV/FL

Sr No	Description	Requirement details
	<b>A HPLC system</b>	<ul style="list-style-type: none"> <li>HPLC system needs to be modular for flexible configuration while appearing as one integrated system</li> <li>HPLC System must support a pressure of 10000 psi.</li> <li>pH Range of the system must be from 1-13 with Buffer/salt compatibility</li> <li>The system should be controlled by Workstation/Network based Chromatography S/W</li> <li>System is capable for testing of quantitatively and qualitatively analysis..</li> <li>All unit must be from the same manufacturer.</li> </ul>

	<b>Quaternary Pump</b>	<ul style="list-style-type: none"> <li>The pump should support a pressure of 10000 psi.</li> <li>Flow range of 0.001/min to 10 mL/min</li> <li>Pump should be low pressure Quaternary Pump.</li> <li>Flow accuracy must be <math>\pm 1\%</math></li> <li>The flow precision must be below 0.05% RSD or 0.01 min SD (whichever is greater)</li> <li>The gradient accuracy must be <math>\pm 0.5\%</math> of full scale.</li> <li>The gradient precision must be below 0.15% SD.</li> <li>pH range of the system must be from 1-13 with Buffer/salt compatibility</li> <li>Dwell volume &lt;700<math>\mu</math>L including mixer</li> <li>Pumps must be able to change the dwell volume by changing the mixture volume for the benefit of chromatography.</li> <li>Pump must have built in safety features like Leak detection and safe leak handling, excess pressure monitoring.</li> </ul>
	<b>Auto sampler</b>	<ul style="list-style-type: none"> <li>The Sampler should support a pressure similar to pump</li> <li>Carryover of the Auto sampler must be &lt;0.002% with Caffeine solution.</li> <li>The sample capacity with 1.5/2ml vials is 200 numbers of vials.</li> <li>The Autosampler must have temperature control 4-40 deg C</li> <li>Autosampler has to support injection volumes range from 0.01–100 <math>\mu</math>L .</li> <li>Injection linearity must be above &gt;0.99999 (caffeine in water)</li> <li>Injection precision must be typically below &lt;0.25% area RSD</li> <li>Injection accuracy must be typically <math>\pm 1\%</math> (injection volume 10 <math>\mu</math>L)</li> <li>Autosampler must have built in safety features like Leak detection and safe leak handling, excess pressure monitoring</li> <li>The Autosampler must provide a software-supported predictive performance function for scheduling maintenance procedures.</li> <li>Basic instrument control of the autosampler can be achieved by a keypad.</li> <li>The Autosampler must have built in safety features like Leak detection and safe leak handling.</li> </ul>
	<b>Column Compartment</b>	<ul style="list-style-type: none"> <li>The column compartment must provide dual (Force and Still air) modes of heating and cooling</li> <li>Column compartment must have a temperature accuracy <math>\pm 0.5</math> °C</li> <li>Column compartment must have a temperature range from 5°C() to 80°C.</li> <li>The column compartment must support columns with 300 mm length</li> <li>The column compartment has to provide solvent pre-heating for all columns installed.</li> <li>Basic instrument control of the column compartment can be achieved by a keypad</li> <li>The column compartment must provide a software-supported predictive performance function for scheduling maintenance procedures</li> </ul>
<b>1</b>	<b>PDA :</b>	<ul style="list-style-type: none"> <li>The detector must typically provide a linear range up to 2.2 AU</li> <li>The wavelength range of the detector must range from 190 to 800 nm</li> <li>The drift of the detector must be below <math>1 \times 10^{-3}</math> AU/h</li> <li>Noise of DAD a 254 nm must be less than <math>6 \times 10^{-6}</math> AU.</li> <li>Detector must have Spectral bandwidth of Pixel resolution: &lt;1 nm</li> <li>The detector must provide a data collection rate of up to 120 Hz</li> <li>The detector must be able to record 8 channels plus 3D field simultaneously</li> <li>The dispersion volume of the flow cell must not exceed 14 <math>\mu</math>L , should have 10mm path length</li> <li>Basic instrument control of the detector can be achieved by a keypad</li> <li>The detector must provide a software-supported predictive performance function for scheduling maintenance proc</li> </ul>
<b>2</b>	<b>Fluorescence Detector</b>	<ul style="list-style-type: none"> <li>Light source must be Xenon flash lamp.</li> <li>Wavelength Rage for Excitation: 200-630nm for Emission: 265-650 nm.</li> <li>Emission should have a filter Fixed: 280 nm.</li> <li>Data Collection Rate must be 100Hz for single channel acquisition.</li> <li>Single Spectrum Scans or FL Field Acquisitions: Excitation, emission, or</li> </ul>



		<p>synchronous mode.</p> <ul style="list-style-type: none"> <li>• Spectral Bandwidth of the detector should be Excitation: 20 nm; Emission: 20 nm.</li> <li>• Sensitivity Raman Criteria must be S/N: &gt;550 ASTM over the entire lifetime of the lamp (&gt;2100 using dark signal as noise reference).</li> <li>• Flow cell volume 8µL</li> <li>• Flow Cell Thermostatting 15 °C above ambient to 50 °C should be maintained</li> </ul>
3	<b>Refractive Index Detector</b>	<ul style="list-style-type: none"> <li>• Refractive Index Detector should be having principle of deflection type along with Range of analyzing data from 1.00 to 1.75 RIU Range.</li> <li>• Detector must have measurement range: <math>2.5 \times 10^{-7}</math> to <math>5.12 \times 10^{-4}</math> RIU.</li> <li>• Detector noise must be less than <math>2.5 \times 10^{-9}</math>RIU.</li> <li>• It must have Temperature Control settings like OFF, 30 to 55°C</li> <li>• Cell volume must be 8µL</li> <li>• Linear Dynamic Range: <math>6 \times 10^{-4}</math> RIU</li> <li>• Maximum Flow Rate 10 mL/min (with water)</li> </ul>
4	<b>UV detector</b>	<ul style="list-style-type: none"> <li>• Light source Deuterium lamp &amp; Tungsten lamp (optional)</li> <li>• The detector must typically provide a linear range up to 2.5 AU</li> <li>• The wavelength range of the detector must range from 190 to 700 nm.</li> <li>• The Noise of the detector must be <math>\leq \pm 3.5 \mu\text{AU}</math> at 254 nm.</li> <li>• Wavelength accuracy of the detector must be <math>\pm 1\text{nm}</math>.</li> <li>• The wavelength repeatability must be <math>\pm 0.1\text{nm}</math>.</li> <li>• Drift of the detector should be <math>1 \times 10^{-4}</math> AU/h</li> <li>• The detector must provide a data collection rate of up to 120 Hz</li> <li>• The detector must have spectral bandwidth of 6 nm at 254 nm wavelength.</li> <li>• It must acquire data for 2 channels simultaneously.</li> <li>• Standard flow cell (11 µL, 10 mm, 12 MPa, SST)</li> <li>• Basic instrument control of the detector can be achieved by a keypad</li> </ul>
	<b>Chromatographic Software</b>	<ul style="list-style-type: none"> <li>• License version of Chromatography data system software. The software should be a strictly validated/original licensed copy software with specific part number mentioned in the offer [ Pirated version of the software will be not be allowed and if found the offer will be strictly rejected]</li> <li>• Chromatography data system software for control, acquisition, processing, &amp; reporting</li> <li>• Software should be 64-bit design for windows 10/8 Professional version.</li> <li>• Chromatography Software should be scalable to client/server network,</li> <li>• It should be 21CFR Part 11 compliance..</li> <li>• It should have flexible reporting as users desires for complete chromatography information Reporting.</li> <li>• Audit trail should automatically monitor users' action and records a modification history.</li> <li>• It must record instrument event such as injection, complete instrument settings, changes &amp; conditions in real time</li> </ul>
	<b>Suitable PC &amp; Printer</b>	<ul style="list-style-type: none"> <li>• Branded PC With Printer:</li> <li>• Suitable PC &amp; Printer with 5KVA UPS of 60 min. Back up of reputed brands specification as under:</li> <li>• Processor - 3 GHz Quad Core i5** or better ; RAM - 16 GB ; Hard disk - 1 TB ; Graphic Card; DVD writer; 1440 x 900, 32-bit color display or higher; LAN Port ; USB Ports ; Wi-Fi ; Multimedia Keyboard ; Optical Mouse, Rewritable DVD</li> <li>• Operating System : Genuine Windows 10 / Windows 8 ultimate with media and documentation and certificate of Authenticity. Preloaded latest Licensed Antivirus Software</li> <li>• Printer- Laser Printer Monochrome with duplex printing and LAN port.</li> <li>• 3 KVA UPS with 30 minutes back up.</li> </ul>
11	<b>HPLC Column, 2no with each system</b>	<ul style="list-style-type: none"> <li>• LC Column C18 , 250mm x 4.6mm ID , 5 micron</li> <li>• LC Column C8 , 250mm x 4.6mm ID , 5 micron</li> <li>•</li> </ul>

## HPLC WITH ELSD:

**Application:** High-performance liquid chromatography (HPLC) is used to separate, identify, and quantify each component in a mixture. In food analysis it is used for analysis of food colors, food additive, vitamins, sugars amino acids, triglycerides etc.

*Note: All units must be from the same manufacturer. Technical bids with compatible modules from another manufacturer will not be evaluated*

### 1) Solvent System: Quaternary Gradient

- Flow Rate Range: 0.01 – 5.000 ml/min or better in 0.001ml/min increments
- Compressibility compensation should be automatic and continuous
- 11 gradient curves (including linear, step (2), concave (4) and convex (4))
- Flow Precision:  $\leq 0.075\%$  RSD
- Maximum Operating pressure: 9,200 psi or more
- Flow Accuracy:  $\pm 1.0\%$  RSD
- pH range: 1 to 12
- Flow path : More than 1 flow path
- Compositional accuracy should be  $\pm 0.5\%$  absolute and independent of back pressure
- Compositional Precision should be  $\leq 0.15\%$  RSD or  $\leq 0.02$  min SD, whichever is greater, based on retention time.
- Pump seal wash : Integrated and automatic
- Safety feature : Leak sensors

### 2) Auto Sampler :

- Should be able to accommodate 96 vials or better.
- Injection volume range : 0.1 to 50 $\mu$ L
- Sample delivery precision should be  $< 0.5\%$  RSD or better
- Sample carry over should be less than 0.002% or better for caffeine.
- Injector needle wash should be integral, active and programmable
- Injector linearity should be  $> 0.999$  coefficient of deviation (0.2 – 50  $\mu$ L)
- Should have advanced operations like Priority samples, Auto additions and Auto standards
- Should have programmable temperature range of 4 °C to 40 °C or better in 1 °C increments

### 3) Column Oven

- Should have temperature range of ambient to 60 °C or better, in 1°C increments

### 4) ELS DETECTOR

- Nebulizer flow rate: 300 to 3000  $\mu$ L/minute
- Temperature control Nebulizer heater power : 0-100%, cooler on/off
- Temperature range drift tube: ambient +5 to 100 degrees
- Light source: Tungsten Halogen polychromatic and pre aligned
- Detector: Photomultiplier Tube (PMT)
- Measurement range: 0.1-2000 light scattering units

- The detector should be manufactured from the same vendor as that of HPLC and should be fully controlled by the software, including parameters settings and data.

5) Chromatography Manager Software:

- Software for Control, acquire and process HPLC data
- Full 64bit architecture
- Interactive control and display of solvent delivery
- All functions and features accessible from a single window-use the command bar to navigate
- Wizards to simplify and automate common system functions
- Methods - instrument, processing and reporting parameters in one place
- Oracle database for data security, audit trail and easy retrieval of work and system user data
- Should be able to perform custom calculations
- Diagnostic functions and configuration wizards
- Extensive User help.

6) One each of C8 = 250 × 4.6 × 5µm , C18 = 250 × 4.6 × 5µm

8) Suitable Computer: i5 or i7 processor 2.4 Ghz or More (latest generation Processor), 16 GB RAM or more, 1TB Hard disk, DVD R/W, LAN card 1GBPS - 2 no's (Including on board), Windows 10 Professional 64bit, Monitor, keyboard and Mouse. Update windows with latest security update.

One extra LAN card should also be installed and configured in the computer  
ONE 8 PORT 10/100 MBPS NETWORK SWITCH

### Karl Fischer + Auto Titrator

Application	Laboratory Use, Industrial Use
Display	256 x 64 LCD Backlit Graphic Display
Dispensing resolution	0.01 ml
mV range	0 mV to + 4000 mV
Method	Volumetric Titration.
Dimensions	42 x 35 x 30 cm
End Point Confirmation Time	20 sec fixed

- Combined Titrator for Potentiometric Karl Fischer titrations for accurate moisture estimation
- Supports both Water and DST method for Factor determination
- Results in Percentage, PPM and mg of H<sub>2</sub>O
- Instrument suitable for Potentiometric titrations
- Suitable for TAN /TBN titrations as per various ASTM Methods

- Incorporated with maintenance free metering pump
- Valveless Dispenser suitable to handle various titrants
- Titrant can be changed within no time
- Cumbersome Piston Burette is eliminated for ease of operation
- Several titrations can be carried out without the need of refilling the titrant
- Eliminates the need of separate dispenser for different titrants
- Password protection facility provided

### Analytical Balance 220 gm, 4 digits

- Capacity : 220gm.
- Readability : 0.1mg
- Type of Laboratory balance : Analytical.
- Repeatability : 0.1mg.
- Maximum capacity of weighing (grams):220g.
- Internal calibration with Weighing, Part Counting, Percent weighing, Check weighing, dynamic weighing, Formulation, Density determination, Totalization/static, Display hold etc. built in application such, Weighing Pan: 90 mm.
- Connection : RS232 interface for connection to PC or Printer.
- Sensitivity temperature drift :2.0 ppm/°C
- Brilliant backlight display is easy to read in all working environments.
  - Over load protection : 1kg to 50 kg.

### Analytical Balance 220 gm, 5 digits

- Capacity : 220gm.
- Readability : 0.01mg
- Type of Laboratory balance : Analytical.
- Repeatability : 0.1mg.
- Maximum capacity of weighing (grams) : 220g.
- Internal calibration with Weighing, Part Counting, Percent weighing, Check weighing, dynamic weighing, Formulation, Density determination, Tantalization/static, Display hold etc. built in application such, Weighing Pan: 90 mm.
- Connection: RS232 interface for connection to PC or Printer.
- Sensitivity temperature drift : 2.0 ppm/°C
- Brilliant backlight display is easy to read in all working environments.
  - Over load protection : 1kg to 50 kg.

### GC with HS, FID & TQ MSMS

Sl. No	Requirement	Specification
1	GC	Microprocessor based Fast GC with EPC/ PPC/AFC, and able to support 3 inlets, 3 detectors. GC must have a touchscreen display with Graphical User Interface (GUI)
2	Column Oven	<ul style="list-style-type: none"> <li>• Minimum two suitable capillary columns</li> <li>• Temp. Range: Ambient +2°C to 450°C</li> <li>• Ramp rate: maximum 120°C/min or better</li> <li>• Cooling rate: 450°C to 50°C within 5 min or better</li> </ul>

		<ul style="list-style-type: none"> <li>• Should have oven power safety (power off when door is open) and with built-in oven light.</li> <li>• The system should have column end or mid column backflush to remove unwanted components/ contaminants/ high boilers.</li> </ul>
3	Split/Splitless injector port –	<ul style="list-style-type: none"> <li>• Split/split less capillary inlet</li> <li>• Maximum temperature: 450 °C</li> <li>• Split ratio: 7000:1 or more</li> <li>• Pressure setting range 0–150 psi with control of 0.001psi for whole range</li> <li>• Software / electronic flow controller with EPC/PPC/AFC</li> <li>• Pressure program ramps: minimum 6 steps</li> <li>• Carrier gas pneumatic program rates 0-100 ml/min or better</li> <li>• Large-volume injection facility of up to 150 µL</li> </ul>
4	GC DETECTOR FID:	<ul style="list-style-type: none"> <li>• Temperature range up to 450°C:</li> <li>• Minimum Detected quantity (Sensitivity): 1.2pgC/s</li> <li>• Linear dynamic range: 10<sup>7</sup> or better;</li> <li>• Splitter to connect both MS-MS &amp; FID simultaneously in a single run</li> </ul>
<b>Automated liquid injector and Headspace should be installed simultaneously on the GC unit.</b>		
5	Auto Injector	<ul style="list-style-type: none"> <li>• Automated liquid sampler with 100 Vials capacity</li> <li>• Should be able to inject sample volume 1 to 80% of syringe capacity</li> <li>• Liquid Auto Injector Sampler and Headspace Sampler should be installed simultaneously on the GC unit.</li> <li>• Sampling volume - Capable to inject from 0.1 µl to 50 µl or higher</li> </ul>
6	Headspace	<ul style="list-style-type: none"> <li>• 80 or more (20 ml) vials capacity.10 vial or more</li> <li>• incubation capacity</li> <li>• The headspace autosampler must come with PC software that controls the autosampler.</li> <li>• The headspace autosampler must have electronic flow control.</li> <li>• The headspace autosampler must have an automated leak check capability.</li> <li>• The Vial incubation oven, sample pathway, Transfer line must be able to achieve and maintain temperature up to 300°C.</li> <li>• The headspace autosampler must have an integrated variable speed sample agitator.</li> <li>• The headspace autosampler must have a 10 position platen heater.</li> <li>• The platen heater must be able to achieve and maintain constant temperature up to 300°C +/- 0.1°C.</li> <li>• The platen heater must be able to accept 9, 12, and 20ml vials and be able to run them interchangeably in the same schedule.</li> <li>• The headspace autosampler must have a 80 vial position autoloader.</li> <li>• As an optional dynamic headspace features to be quoted</li> <li>• for the sample pre-concentration to enhance analyte</li> <li>• sensitivity to achieve lower detection limits</li> </ul>

7	Triple Quadruple Mass Spectrometer	<ul style="list-style-type: none"> <li>• Ionization modes: EI (Electron ionization) and CI (Chemical ionization) modes Ion source should have heating capacity of 350°C or more.</li> <li>• CI: must be capable to operate with different reagent gasses&amp; electronic flow control for reagent gasses.</li> <li>• Collision cell gas pressure must be electronically/Software controllable. Collision energy must be variable.</li> <li>• The ability to perform Electron Impact (EI) and Chemical ionization (CI) by means of an ionization source in both positive and negative mode.</li> <li>• The ion source shall be coated with inert material and the temperature control of the ionization source should reach up to 350 °C.</li> <li>• Must have dual filament for EI, with control of the ionization energy of 10-300 eV.</li> <li>• The ion source must have the ability to perform automated self-cleaning</li> <li>• Mass range m/z at least 10 – 1050 amu</li> <li>• Mass resolution: minimum 0.5 amu or better</li> <li>• Linear Dynamic range: 10<sup>6</sup> or better</li> <li>• Scan rate: 20,000 amu /sec or better. Minimum MRM dwell time: 0.5 ms</li> <li>• EI (Electron ionization) and CI (Chemical ionization)</li> <li>• Scan Modes: Precursor, Product, Neutral loss, SIM, MRM</li> <li>• MRM / SRM Speed: Minimum of 800 transactions/sec.</li> <li>• MRM sensitivity 100 fg OFN, S/N ≥ 30000:1 (Performance Specification to be demonstrated at site)</li> <li>• Detection Limit: Instrument detection limit on OFN should be 4 fg or better with the injection of 1 ul of 10 fg/ul OFN standard or equivalent concentration by statistically derived at 99 % confidence level from 8 sequential injection for MS/MS transition of m/z 272 &amp; 222 using 30m column</li> <li>• EI Scan sensitivity: 1500:1 for 1pg of OFN for the mass m/z 272 using 30 m column.</li> <li>• Pumping System: Turbo-molecular pump having capacity more than 300 L/sec</li> <li>• Should have automatic Startup and Shutdown, Auto or manual tuning of instrument and Automated tuning check result.</li> </ul>
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8	Workstation, Database and software	<ul style="list-style-type: none"> <li>• Microsoft Windows based Original &amp; Licensed GC-MS-MS software compatible with the system to be supplied with the instrument</li> <li>• Latest version original licensed NIST Library should be quoted in the offer and supplied along with instrument.</li> <li>• Licensed Smart database to create MRM methods for residual pesticides in complex matrices should be quoted in the offer and supplied along with instrument.</li> <li>• System start-stop fully automated and controlled via the software</li> </ul> <ul style="list-style-type: none"> <li>• The library search software provided as standard capable of searching through libraries simultaneously including the user defined private library.</li> <li>• Software shall have measurement mode Q1 Scan, Q3 Scan,</li> <li>• Product Ion scan, Precursor Ion scan, Neutral Loss scan, Q1</li> <li>• SIM, Q3 SIM, MRM, Scan/SIM and Scan/MRM, FASST (simultaneous Scan/SIM measurements) Automatic calculation of Retention Index for target compounds based on n-Alkane and able to carry out mass spectrum Similarity Search function with the Retention Index.</li> <li>• GC-MS software shall have in-built QA/QC function capability.</li> <li>• Quote suitable software with 21CFR compliance features for instrument control, data acquisition, Qualitative &amp; Quantitative data analysis Should have automated adjustment of retention time of chromatographic peak in a multicomponent analysis.</li> </ul>
9	Computer & Printer	<ul style="list-style-type: none"> <li>• Compatible PC with i7 processor 3.20 Ghz or more, 8GB RAM, 1 TB hard disk 24" TFT monitor, Windows 11 64 Bit version, licensed Microsoft (MS) Office, compatible DVD writer, Keyboard and Mouse, 03 USB ports, laser jet printer.</li> <li>• The computer should be compatible with hardware., antivirus with warranty period of 3 year.</li> </ul>
10	UPS	<ul style="list-style-type: none"> <li>• 10 KVA UPS with 60 min backup with isolation transformer and 3 year warranty on UPS (battery will be treated as consumables).</li> </ul>
11	Start up Kit	<p>Installation kit must be quoted &amp; included  Gas purification panel with following cylinders &amp; appropriate dual stage steel regulators (one for each type of gas):</p> <ol style="list-style-type: none"> <li>a) Helium (99.9%) – 1 no.</li> <li>b) Nitrogen (99.9%) – 1 no.</li> <li>c) Hydrogen (99.9%) – 1 no.</li> <li>d) Zero Air (99.9%) – 1 no.</li> <li>e) Argon (99.9%) – 1 no.</li> <li>f) Copper/SS tubing (35 feet for each gas), nuts and ferrules for all the gases.</li> </ol>
12	Columns	<ul style="list-style-type: none"> <li>• 30 Meter length 0.25 mm ID polar capillary column – 01 no.</li> <li>• 30 Meter length 0.25 mm ID non-polar capillary column – 01 no.</li> <li>• 100 Meter length 0.25 mm ID capillary column equivalent to SP-2560 – 01 no</li> </ul>
13	Documentation	<ul style="list-style-type: none"> <li>• User/Technical/ Maintenance manuals to be supplied</li> </ul>

14	Installation and training	<ul style="list-style-type: none"> <li>Complete installation on site, training for minimum of 5 days at site (twice in a year up to working warranty at supplier's own cost), validation with control / as per applicable regulatory standards and demonstration for performance of complete system for its working in line with technical specification along with accessories is must after delivery.</li> </ul>
15	Warranty	1 years for complete system. Warranty for each year should include 2 Preventive Maintenance visits and unlimited visit in case the instrument is down, there should not have any fixed number of visits in warranty period.
16	Brochure and Catalogues	All the technical specifications given in the tender document must be supported by printed leaflets / brochures and must comply the working performance of the equipment at the time of installation and demonstration

### MELTING POINT APPARATUS:

- Measuring Range of Melting point: Ambient to 300°C
- Resolution: 0.1°C
- Rate of heating(°C/min): 0.2,0.5, 1, 1.5, 2 3, 4, 5
- Accuracy: +0.5°C upto200°C, +0.8°C from 200°C to 300°C
- Heating time (50 to 300°C): 3 mins
- Cooling time (300 to 50°C): 5 mins
- Capillary sample tube size: OD 1.4mm, ID 1mm
- Power Supply: 220 V +/-10%, 50Hz, 100 Watt
- Photo Electric detection
- Large Backlite LCD display
- RS-232 Interface
- Display of initial and final melting points
- Calculation of average value of initial and final melting points
- Platinum resistor sensor for the precise temperature measurement
- Capillary sample tube as stipulated by pharmacopoeia

### REFRACTOMETER:

Supply of Digital Refractometer of following minimum specification. The sample temperature is to be controlled by Solid State Thermostat Peltier and capable of measuring Samples like Liquids, Gels, Oils, Creams, Pastes, Slurries, Suspension, emulsions, Juices, Etc.

Measurement Range (nD): 1.30 to 1.72 (Minimum)

Resolution (nD): +/- 0.0001 (Minimum)

Accuracy (nD): +/- 0.0001 (Minimum)

PRISM: Sapphire/ Synthetic Sapphire

Sample well: Stainless steel, Suitable for sample analysis

Wavelength(s) (nm)589.3 (Approx.)

Light Source: LED light source, average lifetime of 1,00,000 Hours

Temp. control: Sample / prism temperature control by solid state thermostat (Peltier).

Temp. Control range: 15 Deg C to 60 Deg C

Temp. probe Accuracy: +/- 0.05 Deg C

Sample Volume : Appox 0.2 ml

Power supply 230 v

Instrument should be supplied along with the Magnetic Sample Cover to prevent sample Volatile compounds



Display : 5.8 Inch Touchscreen

Default methods can be upgradable in the instrument.

Built in Calibration facility for calibration for with any Calibration Standard.

Internal data memory : could able to save upto 2500 measured data sets in the instrument automatically after every measurement.

Instrument should be possibility of checking and adjusting the prism Surface temperature with precise temperature calibrator T Check

Instrument should have data interfaces like USB Port, RS 232 Port, Ethernet Port Etc.

Instrument should have facility to mention the Sample name .

## POLARIMETER:

Automated digital Polari meter with the following features & specifications:

### Measuring Scaled:

- Optical Rotation
  - specific Rotation
- % Concentration (g/mL,g / 100mL,g/L)
- Mathematic functions
- User-defined scales

Optical rotation specifications at the wavelength of 546 & 589 nm(Other wavelength can upgrade in future also)

- Measuring Range:  $\pm 89.90$
- Resolution: 0.0010
- Accuracy.  $\pm 0.0040$  for the entire measuring range
- Repeatability  $\pm 0.0020$
- Light source: Tungsten halogen lamp/LED.
- Sample cell: Standard 100 mm wireless stainless steel
- Cell for faster temperature control.
- Temperature control: With Peltier module at 15 & 40 degree C.
- GLP Compliance:
  - Unique password protection for multi user levels.
  - Audit trail for traceability of electronic data
  - Tamper- proof export of audit trail files.
  - Optional automatic & traceable sample cell and quartz plate identification.
- Automatic sensibility control: Measure sample with transmittance as low as 0.01% (upto O.D.4.C).

## CONDUCTIVITY METER:

### Conductivity

- Range: ..  $\mu\text{S}$  to 200.0mS
- Resolution: 0.01 / 0.1 / 1  $\mu\text{S}$  ; 0.01 / 0.1mS
- Accuracy:  $\pm 1$  % full scale
- Cal. Points: Up to 5
- Cell Constant:0.1, 1.0, 10.0 (selectable)

### TDS

- Range (Depending On TDS Factor): .. to 100.0 ppt @ 0.5 fact (200.0 @ 1 factor)
- Resolution: 0.01 / 0.1 / 1 ppm ; 0.01 / 0.1 ppt
- Accuracy:  $\pm 1$  % full scale
- Cal. Points:manual (5 points);maximum 1 per range

### Temperature

- Range (meter): 0.0 to 100.0 °C / 32.0 to 212.0 °F
- Resolution: 0.1 °C / 0.1 °F
- Accuracy: ± 0.5 °C / ± 0.9 °F
- Coefficient (Per °C): 0.00 to 10.00 %
- Normalization: 15.0 to 30.0 °C / 59.0 to 86.0 °F
- Compensation Type & Range: Automatic with supplied cell or manual 0.0 to 100 °C / 32.0 to 212.0 °F, 0 to 80 °C / 32.0 to 176.0 °F with supplied cell
- Calibration: Offset in 0.1 ° increments; offset range: ±5.0 °C / ±9.0 °F
- Power Requirements: 9 V DC adapter, 1.3 A (100/240 VAC, SmPS)

1. Sample Introduction system	<ul style="list-style-type: none"> <li>• <b>Sample Introduction Kit</b> including Peltier Cooled Spray Chamber (Temp Range -10 to 20 Deg C), PFA/Quartz Nebulizer, Ni Sample and Skimmer cones.</li> </ul>
2. <b>Ion Source and RF plasma:</b>	<ul style="list-style-type: none"> <li>• Computer controlled 27 MHz RF generator operating from 400 to 1600 watts for automatic control of torch ignition, shutdown, and system warm up.</li> <li>• The Plasma torch should have provision for software-controlled alignment for horizontal position, vertical position and sampling depth.</li> </ul>
3. <b>Ion Extraction Interface:</b>	<ul style="list-style-type: none"> <li>• Standard large orifice Ni sampling cone with 1.1 mm orifice and skimming cones with 0.5 mm orifice.</li> </ul>
4. <i>Ion Focusing System:</i>	<ul style="list-style-type: none"> <li>• The ion lens system must have 90 Deg deflection mechanisms for removing all neutrals from the Ion path.</li> <li>• The Ion path must be maintenance free.</li> </ul>
5. <b>Cell Technology</b>	<ul style="list-style-type: none"> <li>• ICP MS shall incorporate a Cell offering operation: Standard Mode, Collision Cell (He) Mode with KED with Mass cut off for lower masses.</li> <li>• Cell must be Non-consumable with zero maintenance.</li> </ul>
6. <b>Gas control</b>	<ul style="list-style-type: none"> <li>• System should have dedicated MFC devices to control plasma, auxiliary, nebulizer, reaction gas and collision gas.</li> </ul>
7. <b>Quadrupole Assembly</b>	<p>User definable resolution for improved dynamic range and abundance sensitivity</p> <ul style="list-style-type: none"> <li>• Mass calibration assessed and automatically updated.</li> <li>• The Mass range should be from 2-290 u or better</li> <li>• Scan speed: &gt; 3700 u/sec or better</li> <li>• Mass stability: ≤ 0.025 amu per day or more.</li> </ul>
8. <b>Ion Detector Assembly:</b>	<ul style="list-style-type: none"> <li>• The ion detector is a simultaneous dual mode discrete dynode electron multiplier, 10 order or more magnitude of dynamic range</li> <li>• The dual-mode detector assembly must come standard with the system.</li> </ul>
9. <b>Vacuum System:</b>	<ul style="list-style-type: none"> <li>• Turbo pump should be differential pumping.</li> <li>• In the event of power failure, either high vacuum is maintained or the entire vacuum system is to be automatically back-filled by inert gas to preserve the cleanliness of the system.</li> </ul>
10. <b>Performance Specifications</b>	<p>Sensitivity specifications will be considered <b>(Guaranteed/factory specifications will be considered. Not the Typical performance.)</b> To be demonstrated during Demo &amp; installation):</p> <p>Sensitivity(MCPS/PPM OR KCPS/PPB):</p> <ul style="list-style-type: none"> <li>○ Li ≥ 50.0 x10<sup>6</sup> cps/ppm</li> </ul>

	<ul style="list-style-type: none"> <li>○ Co <math>\geq 100.0 \times 10^6</math> cps/ppm</li> <li>○ In or Y <math>\geq 240.0 \times 10^6</math> cps/ppm</li> <li>○ U or TI <math>\geq 320.0 \times 10^6</math> cps/ppm.</li> <li>● Oxide ratio (%) CeO/Ce &lt;2 or better</li> <li>● Ba<sup>++</sup> or Ce<sup>++</sup>/ Ba or Ce &lt;3 or better</li> <li>● Background mass 4.5/9/220: No gas &lt;1 cps</li> <li>● Short Term Stability &lt;3% RSD or better</li> <li>● Long Term Stability &lt;4% RSD or better</li> </ul>
<b>11. System Controller and Operating System:</b>	<ul style="list-style-type: none"> <li>● Suitable Data Station with all Software controls &amp; future upgrade controls with Instrument software.</li> <li>● Software should provide comprehensive functionality for analysis through fully automated process with auto tuning.</li> <li>● The software should have data handling and data management, Data security and access control with 21 CFR part 11 environment supports, compliance management and customizable reporting etc.</li> <li>● Customizability to meet QA/QC functionality needs.</li> <li>● Automated QA/QC checks</li> <li>● Minimum 2 offline user licenses</li> </ul>
<b>12. Essential Supplies</b>	<ul style="list-style-type: none"> <li>● NIST Certified Multi element (at least 23 elements) aqueous calibration standard (100 ml).</li> <li>● Fume hood with accessories.</li> <li>● Suitable UPS with 30 min Backup</li> <li>● Argon Gas Cylinder – 3 no's</li> <li>● Helium Gas Cylinder – 1no.</li> <li>● Gas Regulator for all the gases mentioned above – 1 no. each</li> </ul>
<b>13. Computer Configuration:</b>	Branded HP/Dell Personal Computer should be supplied along with instrument from manufacturer.
<b>14. Auto sampler</b>	Auto sampler of minimum sample vial holding capacity of 200 positions or more should be offered. It should be metal free and should have independent X-Y-Z movement.
<b>Software</b>	The software must be able to provide full automatic control of the process of analyzing samples. This must include acquiring data, quantitation, producing a report, and the option to upgrade to an incorporated excels like spreadsheet for report flexibility.
	<p>The software must be with future upgradeability.</p> <p>Standard curves must be generated using a variety of curve fitting routines.</p> <ol style="list-style-type: none"> <li>a. Must be able to select curves with up to 5 point calibration curves</li> <li>b. Must be able to select linear, quadratic, or cubic fit curves</li> <li>c. Must be able to use weighing options for the calibration calculations.</li> <li>d. Must be able to calculate the confidence intervals at different confidence levels.</li> </ol> <ul style="list-style-type: none"> <li>● The software must be able to automate integration updates without time consuming batch reprocessing of changes to integration in a data set.</li> <li>● The software must have 21 CFR Part 11 compliance features as standard.</li> <li>● 3 offline licenses must be quoted as standard along with the system.</li> </ul>
	<ul style="list-style-type: none"> <li>● The Software must allow real time integration monitoring in order for an instrument operator to monitor real time progress.</li> </ul>

	<ul style="list-style-type: none"> <li>The software must have the ability to customize the report format and content</li> </ul>
<b>Training</b>	Vendor has to give 5 days on site training after the installation
<b>MDS</b>	<p>For acid digestion applications of samples like water, wastewater, soil, sludge, environmental samples, natural products, plant material, food samples like- oil, sugar, vegetable, grains. organics, etc. for further analysis with ICP - OES or ICP - MS techniques.</p> <ul style="list-style-type: none"> <li>The cavity chamber must be made of corrosion resistant Stainless steel with multilayer fluoropolymer coating for physical protection as well as chemical resistance and should be 7 liters or more.</li> <li>Microwave power output: Instrument should have installed microwave power of 1000 Watt or better with microprocessor controlled single or dual magnetron system and controlled in 1-watt increments</li> <li>Controller - In-built color touchscreen display of minimum 5.5 inch or more for real-time graphical representation of reaction parameters and display of internal temperature of every individual reaction. Detachable controllers not accepted. <ul style="list-style-type: none"> <li>Rotor &amp; Vessels: Rotor supplied with 12 or more high pressure vessels at a time. Rotor made of lightweight AL Material for high pressure strength upto 160 bar or more and to ensure ultrafast cooling. Must be provided with a lid for protection of cavity from acid vapors/fumes.</li> <li>Vessel volume: 50 ml or more with filling volume of 3- 25 ml or more. <ul style="list-style-type: none"> <li>Sample weight: min 1.5 gram or more per vessel for inhomogeneous samples and trace level analysis.</li> <li>Vessel material: Microwave transparent and reagent resistant suitable inert polymeric materials like TFM / PTFE /Fluoro polymer. Closure of the vessel must be possible by hand and overpressure release mechanism of the vessel must be controlled by means of metal springs for precise opening pressure independent of the reaction temperature or sample weight.</li> <li>Max. operating Temperature: 250° C or more</li> <li>Max. operating pressure: 45 bar or more and maximum design pressure of vessels 75 bar or more</li> <li>Micro sample facility: Instrument should be offered with glass inserts minimum 100 number for carrying out digestion with 1ml acid and for micro sample</li> </ul> </li> </ul> </li> </ul>
<b>Essential consumables</b>	<p>The system should contain additional consumables</p> <ul style="list-style-type: none"> <li>Concentric Nebulizer – 1</li> <li>Sample cones – 3</li> <li>Skimmer cones – 3</li> <li>Torch – 1</li> <li>Spray chamber – 1</li> <li>Injector 2.5 mm – 1</li> <li>Sample uptake tubes – 3 sets (12pcs/pack)</li> <li>Sample drain tubes – 3 sets (12pcs/pack)</li> <li>Autosampler probe with tubing - 1</li> <li>Trace Metal Grade Acids (HCL &amp; HNO<sub>3</sub>) 500mL</li> <li>Tune/Calibration Solutions 1 Each</li> </ul>

#### LC MS/MS SYSTEM

A high end, sensitive LC/MS/MS system for impurity profiling and nitrosamine analysis in Drug products as per various pharmacopoeias and in house methods. The quoted should meet the following minimum specifications.

Ionization Source:	<ol style="list-style-type: none"> <li>1. A combined/multimode source with the flexibility of switching between ESI and APCI ionization mode in a single run, should be supplied for impurity profiling and a dedicated APCI probe should also be quoted for Nitrosamine Analysis.</li> <li>2. The source must be capable of handling flow rate of up-to 2 ml/min or better without the need for use of flow splitter in both ESI and APCI mode.</li> <li>3. To avoid in source fragmentation of fragile compounds, and reduce system maintenance cost, the system design should be free of Transfer line Capillary/Desolvation line.</li> </ol>
Mass Range	Minimum 5 -2000 amu or better
Resolution	Less than or equal to $0.7 \pm 0.1$ amu over the entire Mass Range in both the Quadrupoles.
Mass Stability	0.1 Da over 24 hours
Sensitivity	<p>ESI +ve using <math>1\text{pg ul}^{-1}</math> of reserpine on column should be 7,00,000:1, or IDL 2.5 fg for 4 fg injection or better. This sensitivity needs to be demonstrated at the time of demonstration.</p> <p>The specification data should be mentioned on the vendor's official specification sheet or brochure. No supporting lab data shall be entertained.</p>
Scan speed	20000/s or better
MRM dwell time	~1 msec
Desolvation Temperature:	The Desolvation temperature should be $\geq 600^{\circ}\text{C}$ for both ESI and APCI Ionization modes. The desolvation temperature should be user selectable.
Collision Cell	MS-MS capability must be available in Q2/MS2 via collision induced dissociation (CID). The design should eliminate cross talk
Dynamic range:	6 orders of magnitude or better
Polarity switching time	15 msec in MRM or better
Mass Fragmentation:	The system should be able to perform MS/MS
Operating modes:	<p>Mass spectrometer should have the following scan options:</p> <ol style="list-style-type: none"> <li>(I) Full scan</li> <li>(II) Product ion scan</li> <li>(III) Precursor ion scan</li> <li>(IV) Neutral loss scan</li> <li>(V) Multiple Reaction Monitoring (MRM)</li> <li>(VI) Simultaneous full scan and MRM</li> <li>(VII) Simultaneous negative and positive MRM scan or time period based MRM method for analysis in different polarity</li> <li>(VIII) MRM Triggered product ion scan</li> </ol>
Nitrogen generator and air compressor:	Nitrogen Generator with built in compressor. If any other gases are required, appropriate gas cylinder-1 qty, with all fittings should be supplied.
Accessories	<p>A slow infusion pump/ syringe pump and flow control valve shall be integrated inside the instrument.</p> <p>The pump should have a capacity for slow infusion of total sample volume. Pump should also be able to controlled by software and can be integrated in the instrumental method. The flow control valve should also be integrated in the system</p>
<b>Computer System and Software</b>	
Computer system:	<p>Suitable Computer system with required software.</p> <p>For better hardware compatibility, the instrument's control software should be preloaded in the supplied computer. The computer must be shipped along with the instrument.</p>
Software	<ol style="list-style-type: none"> <li>1. All required software for instrument control, operation and data acquisition.</li> <li>2. Scan acquisition and processing software</li> <li>3. Application manager must be compatible with data of full scan, SIM/SCR or MRM</li> <li>4. Data Acquisition, Peak Integration, Calibration, Quantification and QC calculations must be fully automated</li> <li>5. The Quantification method editor must be viewable in page view or</li> </ol>

	<p>spreadsheet</p> <ol style="list-style-type: none"> <li>Application manager must allow to monitor the molecular ion and up to 04 (four) Confirmatory ions or better</li> <li>Automated MS to MS/MS switching during a single run with user selectable criteria.</li> <li>All software should be licensed version and provided in appropriate media</li> <li>Software should have integrated result flagging feature.</li> <li>Complete methods library with MRMs of over 1000 compounds with instrument method details and SOPs, related software 's and user manuals to be provided.</li> </ol>
<p><b>UHPLC System: Analytical UHPLC system with PDA Detector (Equipped with temperature controlled Auto-sampler, thermostat column compartment, Degasser).</b></p>	
Quaternary Pump	<ol style="list-style-type: none"> <li>Flow Rate Range at least in- 0.001 to 2.000 mL/min or better and suitable for LC-MS/MS operation</li> <li>Should have Maximum Pressure- 15000 PSI or better at 1 ml/min flow rate</li> <li>Flow Rate Precision- RSD <math>\pm</math> 0.075% RSD or better</li> <li>Flow Rate Accuracy <math>\pm</math>1% or better</li> <li>Vacuum Degasser- 5 channel or better</li> <li>Total Band Spread should be &lt; 12 <math>\mu</math>l</li> <li>The system should offer 11 Gradient curves including 2 linear, steps 2, concave 4, convex 4.</li> <li>The system should offer Intelligent Intake Valve as standard.</li> </ol>
PDA Detector	<ol style="list-style-type: none"> <li>PDA Detector with Wavelength Range of 190-800 nm and single flow cell of 10 mm with volume of less than 600 nL should be quoted</li> </ol>
Autosampler with sample cooler	<ol style="list-style-type: none"> <li>Autosampler should be available with a capacity of minimum 90 vials or more of vials of low volume (~300 <math>\mu</math>l) and higher volume (~1ml) for injection from 1-50 <math>\mu</math>l.</li> <li>Accurate and precise injection volume from 1 to 50<math>\mu</math>l from sample volume of 50 <math>\mu</math>l.</li> <li>Thermostatic vial compartment: Provision for 4°C.</li> <li>Injection Volume Precision- RSD <math>\leq</math> 0.5% or better for low volume.</li> <li>Carryover- Less than 0.002% or better</li> <li>The autosampler should offer Auto dilution, auto addition and load ahead option</li> </ol>
Column Oven	Column Oven- Room Temperature to 60°C or better
Warranty	<ol style="list-style-type: none"> <li>Standard warranty of 1 Year on entire System.</li> </ol>
Local Items	<p>Following local items needs to be supplied along with the instrument:</p> <ol style="list-style-type: none"> <li>10 KVA UPS with 30 min backup</li> <li>Argon cylinder with regulator</li> <li>Laser Printer</li> </ol>

<p><b>FT-IR Spectrophotometer with accessories</b></p>	<ol style="list-style-type: none"> <li>Fully computer controlled compact bench- top FTIR system with universal sample compartment. Sample module must be automatically identified.</li> </ol>
	<ol style="list-style-type: none"> <li>The system should have latest digital signal processor.</li> </ol>
	<ol style="list-style-type: none"> <li>The system should indicate whether the source and laser are operational.</li> </ol>
	<ol style="list-style-type: none"> <li>The System should have feature for humidity and vapour protection.</li> </ol>
	<ol style="list-style-type: none"> <li>Wave number range: 6000 to 350 cm<sup>-1</sup></li> </ol>

	6. Source: Long Life IR Source
	7. Detector: MID-IR /DLTGS/DLATGS detector with temperature control mechanism
	8. Resolution: 0.6 cm <sup>-1</sup> or better
	9. Signal to Noise Ratio 35000:1 Or better peak to peak for 1 min.
	10. Wave number precision: 0.001 cm <sup>-1</sup> or better at 2000 cm <sup>-1</sup>
	11. Beam splitter: KBr coated with Ge/ZnSe/CaF <sub>2</sub>
	12. The software should also have: -Compare Software, Spectral Search; Quantitative Analysis
	software Spectral interpretation for unknowns; Quality checks programs and CFR-21 Part-11 Compliance should be available.
	13. The software should have real time data collection and should have the facility to
	continuously monitor the performance of source, detector, power supply and laser.
	14. Libraries: Built in Library with Minimum 30000 reference spectra for pharmaceutical products and drugs and other compounds
	15. Attenuated Total Reflection (ATR) -1 Nos. Diamond Monolithic
	16. IR Grade KBr – 3x100 gm
	17. Fixed Volume Liquid Cell and fixed thickness (0.5 mm) -1 Nos.
	18. Sodium Chloride pellets with Holder for liquid paraffin mulls-1 No.
	19. Hydraulic Press of suitable capacity
	20. Set of 13mm KBr die, Pellet Holder and Nozzle oil should be supplied-2 Nos.
	21. Inbuilt Polystyrene film of 0.3 mm having NIST Traceable certificates- 1 Nos.
	22. Agate Mortar Pestle (Dia 2 inch) -2 Nos.
	23. Computer Specifications: (Higher configuration are acceptable)
	Make: HP/Dell/IBM/Lenevo
	Processor - Intel i5 (5 th generation) ; RAM - 4 GB ; Hard disk - 1 TB ; Graphic Card; DVD
	writer; 19 " TFT screen ; LAN Port ; USB Ports ; Wi-Fi ; Multimedia Keyboard ; Optical Mouse
	Operating System – Preloaded Windows 10 Pro; Antivirus

### 4.3 **Inspection & Tests -**

Will be done to check the efficiency and efficacy of the contractual supply, if required.

#### 4.3.1 **General**

1. Total Cost must include **12 Months** comprehensive onsite **warranty** (labor + parts, etc.) on the complete system.
2. Total **price** must include transportation and complete installation of the unit(s) at user end.
3. Technical presentation/ demonstration of the offered equipment as per tendered specification need to be provided, if so, required by the foundation.
4. List of users (Govt. Institutes, FDA certified Pharma units, drug testing labs and research laboratories) of the similar projects undertaken by the party as the one(s) offered along with the names, addresses, telephone numbers and e-mail ID is to be enclosed. Supplier may also facilitate the user to see the working condition of such facility with existing customer, if available.
5. The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified here.
6. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at the point of delivery and/or at the final destination. Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.
7. The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment. The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection, if required.
8. Detailed original literature indicating all technical specifications and features must be enclosed with the offer. Merely stating "compiled" in the compliance statement will not be considered and offer made will be disqualified.
9. The supplier may please note that brand names if mentioned anywhere in this tender document is for indicative purpose only. The supplier is free to quote for similar or identical equipment. In all such cases, the supplier must produce a comparison chart showing the preferred brand name suggested in this tender document and the brand name offered by the supplier. In absence of such a document in the technical bid shall render the bid non-responsive being material deviation.
10. All standard/essential accessories that would be supplied along with the system must be clearly mentioned in the offer.
11. Availability of service support at site and response time for a service call during and after warranty to be specified.
12. The principals / local agents are responsible for the installation, testing and commissioning of the system and accessories.
13. **Pre-installation and utility requirements** for installation and running the system, if any, should be clearly mentioned well in advance.
14. All other clauses of payment details, validity of quotation, delivering schedule, shipment etc. to be clearly indicated in the offer.
15. With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders shall be responsible for follow up with their principal/OEM for ascertaining



the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment. So that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

16. Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance Manuals together with Drawings of the goods and equipment built. These shall be in such details as will enable the Purchase to operate, maintain, adjust and repair all parts of the works as stated in the specifications. Unless and otherwise agreed, the goods and equipment shall not be considered to be completed for the purposes of taking over until such user Manuals and Drawing have been supplied to the Purchaser.
17. On successful completion of acceptability test, receipt of deliverables, etc. and after the Purchaser is satisfied with the working of the equipment, the acceptance certificate signed by the Supplier and the representative of the Purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning and final acceptance of the equipment.
18. The supplier may please note that this is being a turnkey project, only the bare site will be handed over to the successful bidder and all associated activities shall be undertaken by the party.
19. The bid must have the following documents failing which the same may be rejected in the initial stage.
  - a. Document that all the terms and conditions of the tender are acceptable to the bidder.
  - b. The Bid Security is attached with the technical bid in original.
  - c. The technical bid must contain the detailed quote of the party indicating the make , model of each equipment. A schematic drawing. Showing the details of the civil construction, electrical works, refrigeration and air-conditioning, fire safety items, waste solvent disposal tank etc must be attached to the technical bid.
  - d. Manufacturer's authorization for each equipment is essential. Failure may lead to the rejection of the bid.
  - e. Blank technical bid, hand written bid, technical bid prepared by just copying the tendered specification will lead to the rejection of the bid.
  - f. The bid in duplicate must be delivered to the office of the PMC before the due date and time of submission of the bid.

#### **4.3.2 Manufacturer's Inspection Certificate`**

After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's plant by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications. Manufacturer's test certificate with data sheet shall be issued to this effect and submitted along with the delivery documents. The purchaser reserves the options to be present at the supplier's premises during such inspection and testing, if required.

#### **4.3.3 Pre Dispatch Inspection. Documents to be provided**

#### **4.3.4 Acceptance Test**

The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at

Purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified.

On the event of the ordered item failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which, the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser.

Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier.

**4.1 Training :** Free training should be imparted to the users at the purchaser's premises on operation and application of the supplied item after installation.

**4.4 Warranty**

**12 Months** comprehensive onsite **warranty** from the date of successful installation and final acceptance of the supplied system by the user.

Selection of the system would be based on the response to all the above points apart from the proven technical specifications and features, support, service and suitability to it's requirements. Please therefore respond to all the points with sufficient details. Merely stating "Complied" will not be considered as a suitable justification.

**Price Schedule Form**

**CHAPTER 5**

**PRICE SCHEDULE FOR GOODS BEING OFFERED WITHIN INDIA**

Name of the Bidder \_\_\_\_\_

Tender No. \_\_\_\_\_

1	2	3	4	5	6	7	8	9	10	11	12
S l. N o	Item Description With HSN code	Cou ntry of origi n	U ni t	Qua ntity	Unit Rate Ex- Wor ks, Ex- wareh ouse, Ex- show room off the shelf price (includi ve of all taxes already paid)	Total price Ex- Works , Ex- wareh ouse, Ex- show room off the shelf price (includi ve of all taxes already paid) 5x6	GST & other taxe s paya ble, if contr act is awar ded	Pack ing & for ward ing up to stati on of disp atch if any	Charges for inland transport ation, insuranc e up to Lab. / Instt.by <b>air/road/ rail (retai n one only)</b>	T ot al Pr ic e	Installati on, Comm is- sionin g and trainin g charge s, if any

**Note:**

(a) The cost of AMC, if any shall be indicated separately

(b) Cost of Spares, if any

Total Bid price in **INR** \_\_\_\_\_

in words \_\_\_\_\_

Signature of Bidder \_\_\_\_\_

Name \_\_\_\_\_

Business Address \_\_\_\_\_

**Note:** The bidder may fill in the appropriate Price Schedule Form and enclose as per Clause 1.10 and 1.18.3 of the bidding documents

## CHAPTER 6

### Qualification Requirements

1. The bidder / Manufacturer / Principal Supplier must have delivered, Installed, commissioned with the same, similar or higher model / version of the quoted equipment to any Government Organization / Research Organization of repute / any pharma manufacturing unit having FDA certification , within past three financial years. At least **one order copy** with successful installation certificate must be enclosed.
2. The Bidder as a Company / Joint venture Company (Joint Venture should have been formed before tender date) and should have proven capabilities in supply and installation of same or higher model.
3. The bidders must not have been under any declaration of **ineligibility** by any authority. A declaration to the effect should be furnished;
4. The bidder must provide details of any litigation/ arbitration whether on going or held in the last five years with any firm. A history of litigation or arbitration awards against the applicant may result in disqualification. Similarly, any non-disclosure of such proceedings, if found later shall result in the bid to be disqualified and the Bid Security forfeited. ;
5. The Bidder (manufacturer or principal of authorized representative) should not have suffered any financial loss for more than one year during the last three years.
6. The net worth of the Bidder (manufacturer or principal of authorized representative) should not be negative in the last three years.

Documentary evidence in support of each of above points must be accompanied with Technical Bid for further consideration and evaluation

**PLEASE NOTE:** ONE OR MORE OF THE QUALIFICATION CRITERIA / REQUIRMENT COULD ALSO HAVE BEEN MENTIONED IN **CHAPTER 4**, VIZ. UNDER TECHNICAL SPECIFICATIONS (AS THESE ARE COMMUNICATED BY THE END USERS) AND THEREFORE SHALL ALSO DEEM TO BE PART OF THIS BID DOCUMENT/CHAPTER FOR THE PURPOSE OF DETERMINING ELIGIBILITY.

**CHAPTER 7**  
**Contract Form**

Contract No. \_\_\_\_\_ Date: \_\_\_\_\_

THIS CONTRACT AGREEMENT is made the [ *insert: number* ] day of [ *insert: month* ], [ *insert:year* ].

BETWEEN

(1) The Devbhumi Pharmaceutical Testing and Training center foundation, a special purpose vehicle, Council of Scientific & Industrial Research having its registered office at Uttarakhand \_\_\_\_\_, India represented by [ *insert complete name and address of Purchaser* ] (hereinafter called "the Purchaser"), and

(2) [ *insert name of Supplier* ], a corporation incorporated under the laws of [ *insert: country of Supplier* ] and having its principal place of business at [ *insert: address of Supplier* ] (hereinafter called "the Supplier").

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., [ *insert brief description of Goods and Services* ] and has accepted a Bid by the

Supplier for the supply of those Goods and Services in the sum of [ *insert Contract Price in words and figures, expressed in the Contract currency(ies)* ] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

01. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

02. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract:

- (a) This Contract Agreement
- (b) Special Conditions of Contract
- € General Conditions of Contract
- (d) Technical Requirements (including Schedule of Requirements and Technical Specifications)
- € The Supplier's Bid and original Price Schedules
- (f) The Purchaser's Notification of Award
- (g) [ *Add here any other document(s)* ]

03. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

04. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

05. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Union of India on the day, month and year indicated above.

For and on behalf of the Council of Scientific & Industrial

Research Signed: *[insert signature]*

in the capacity of *[insert title or other appropriate*

*designation ]* in the presence of *[insert identification*

*of official witness ]* Signed: *[insert signature ]*

in the capacity of *[insert title or other appropriate designation ]*

in the presence of *[insert identification of official witness ]*

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier ]*

in the capacity of *[insert title or other appropriate designation ]*

in the presence of *[insert identification of official witness ]*

## CHAPTER 8

### Other Standard Forms

(To be enclosed as indicated  
below)Table of Contents

Sl. No.	Name
01.	Bidder Information Form (to be enclosed with the technical bid)
02.	Manufacturers' Authorization Form (to be enclosed with the technical bid)
03.	Bid Securing Declaration. (to be enclosed with the technical bid)
04	Performance Statement Form (to be enclosed with the technical bid)
05	Deviation Statement Form (to be enclosed with the technical bid)
06	Service Support Detail Form (to be enclosed with the technical bid)
07	Bid Form (to be enclosed with the priced bid)
08	Performance Security Form
09	Acceptance Certificate Form
10	Integrity Pact (to be enclosed with the technical bid)
11	Format of declaration of abiding by the code of integrity and conflict of interest to be submitted by the bidder. (to be enclosed with the technical bid)
12	Price Schedule
13	Format of Affidavit of self-certification regarding domestic value addition (to be enclosed with the technical bid)
14	Format of Certificate to be provided by bidder in case of subcontracting. (to be enclosed with the technical bid)
15	Format of self-declaration in terms of land border instructions
16	Format for Technical Compliance (to be enclosed with the technical bid)

**Note : Please refer clause 1.10.1 of the bidding documents for other documents to be attached with the bids/offers.**

Form –1

**Bidder Information Form**

- (a) *The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted. This should be done of the letter head of the firm]*

Date: *[insert date (as day, month and year) of Bid Submission]*

Tender No.: *[insert number from Invitation for bids]*

Page 1 of \_\_\_\_\_ pages

01.	Bidder's Legal Name <i>[insert Bidder's legal name]</i>
02.	In case of JV, legal name of each party: <i>[insert legal name of each party in JV]</i>
03.	Bidder's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration]</i>
04.	Bidder's Year of Registration: <i>[insert Bidder's year of registration]</i>
05.	Bidder's Legal Address in Country of Registration: <i>[insert Bidder's legal address in country of registration]</i>
06	NAME AND ADDRESS OF BANK: BANK ACCOUNT NUMBER: TYPE OF ACCOUNT: IFSC CODE:
07.	Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/faxnumbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>
08	COUNTRY OF ORIGIN OF PRODUCT (S):
09	ADDRESS OF THE PLACE OF MANUFACTURE / FACTORY / PLACE WHERE LOCAL CONTENT VALUE ADDITION IS DONE BY MANUFACTURER:
10	If item is imported and is from a country sharing land border with India, then



	Registration certificate details like number, date and validity date:
11	Are you a <b>MSE</b> registered for the <b>Item under procurement</b> : if Yes, then furnish details of the <b>certificate, date and validity</b> along with copy of the same.  Do you intend to opt for the purchase preference policies of the Government of India as applicable to <b>MSEs</b> in this tender?? If So, write <b>Yes</b>
12	Do you intend to opt for the purchase preference policies of Government of India as applicable by "Make in India(MII) order/ circular? If So, write <b>Yes</b>
13	Are you <b>Class I Vendor</b> or <b>Class II Vendor</b> as defined by Make In India circular. It is mandatory to attach the <b>certificate from the OEM for Local content</b> percentage and place of value addition.
14.	Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i>  Articles of Incorporation or Registration of firm named in 1, above.
15.	Whether bidder intends to claim the <b>benefit of purchase preference in under the MSEs Policy and Make in India policy</b> of the Govt. of India with reference to point 11, 12 & 13 above. <b>If yes</b> , please specifically indicate your status as the bidder under one of the following category in terms of the Govt. of India, Ministry of Finance, Department of Expenditure OM No. F.1/4/2021-PPD dt. 18.05.2023 –  i. "MSE Class-I local supplier", or ii. 'MSE but non-Class-I local supplier" or iii. 'Non-MSE but Class-I local supplier" or iv. 'Non-MSE non-Class-I local supplier'  (Delete or Strike out, whichever <b>not applicable</b> . Write " <b>NO</b> " if none of above four category is applicable)).

Signature of Bidder \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Business Address \_\_\_\_\_

**MANUFACTURERS' AUTHORIZATION FORM**

***[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer and be enclosed with the technical bid.]***

Date: *[insert date (as day, month and year) of Bid Submission]*

Tender No.: *[insert number from Invitation For Bids]*

**To,  
The Director,  
Devbhumi Pharmaceutical Testing and training center Foundation.**

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 2.21 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the*

*Manufacturer]* Name: *[insert complete name(s) of authorized*

*representative(s) of the Manufacturer]*Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_,

\_\_\_\_\_ *[insert date of signing]*

## Form-3

### Bid-Securing Declaration Form

Date:

---

Bid No. \_

---

To (insert complete name and address of the purchaser)I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid SecuringDeclaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of twoyears from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- (a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- (b) having been notified of the acceptance of our Bid by the purchaser during the period of bidvalidity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of thesuccessful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insertlegal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing he Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of : (insert complete name

of Bidder)Dated on\_\_\_\_\_day of \_\_\_\_\_(insert date of

signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partnersto the Joint Venture that submits the bid)

**Form -4**

**PERFORMANCE STATEMENT FORM**

**(For a period of last 5 years)**

**Name of the Firm.....**

Order Placed by (full address of Purchaser)	OrderNo. and date	Description and quantity of ordered equipment	Value of order	Date of completion of deliver as per Contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any	Has the equipment been installed satisfactorily ? (Attach a certificate from the purchaser/ Consignee)	Contact person along with Telephone No., FAX No. and e-mail address

Signature and Seal of the manufacturer/Bidder

Place :

Date :

## Form – 5

### DEVIATION STATEMENT FORM

Sl.No	Name of Specifications /Parts / Accessories of Tender Enquiry	Specifications of Quote Model / Part /Accessory	Compliance Whether Yes of No	Deviation, if any to be indicated in unambiguous terms (The compliance / Deviation should be supported by relevant Technical Literature)	Technical justification for the deviation, if any. If specification is superior /inferior than asked for in the enquiry, it should be clearly brought out in the justification
1.					
2.					
3.					
4.					

#### Signature of Bidder

- ✓ If the bidder offers more than one model, then the Compliance Statement must be enclosed for each and every model separately.
- ✓ The technical and commercial deviations should be indicated separately.
- ✓ If the bidder fails to enclose the compliance statement, his bid is likely to be rejected. Place:

Date:

Signature and Seal of the Manufacturer/Bidder

**Note:** Where there is no deviation, the statement should be returned duly signed with an endorsement indicating “No Deviations”.

# Form – 6

## SERVICE SUPPORT FORM

Sl. No.	Nature of training Imparted	List of similar type of equipment serviced in the past 3 years	Address, Telephone Nos., Fax Nos. and e-mail address

Signature and Seal of the  
manufacturer/Bidder.....  
.....

Place :

Date :

**Form -7**

**Bid Form**

*[The Bidder shall fill in this Form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.]*

Date: *[insert date (as day, month and year) of Bid Submission]*

Tender No.: *[insert number from Invitation for Bids]*

Invitation to Bid No.: (Insert No. of IFB)

To: Insert the complete name of the Purchaser)

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: *[insert the number and issuing date of each Addenda];*
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services *[insert a brief description of the Goods and Related Services];*
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is: *[insert the total bid price in words and figures, indicating the various amounts and the respective currencies];*
- (d) The discounts offered and the methodology for their application are:  
**Discounts:** If our bid is accepted, the following discounts shall apply. *[Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]*
- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 1.17.1 from the date fixed for the bid opening, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 1.43 and GCC Clause 2.13 for the due performance of the Contract and also submit order acceptance within 14 days from the date of contract in accordance with ITB Clause 1.42 and GCC Clause 2.44;
- (g) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate — “None.”)

- (h) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: *[insert signature of person whose name and capacity are shown]*

In the capacity of *[insert legal capacity of person signing the Bid Submission Form]*

Name: *[insert complete name of person signing the Bid Submission Form]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

**Form -8**

**PERFORMANCE SECURITY FORM**

**MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY**

To,

.....

WHEREAS.....(name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract No. .... dated .....to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of.....(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the ..... day of ....., 20.....

(Signature of the authorized officer of the Bank)

.....

Name and designation of the officer

.....

Seal, Name & Address of the Issuing Branch of the Bank

**Note: Whenever, the bidder chooses to submit the Performance Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.**



**Form – 09**

**ACCEPTANCE CERTIFICATE FORM**

Date:

No.:

M/S.....

**Sub: Certificate of commissioning of equipment**

01. This is to certify that the equipment as detailed below has/have been received in good condition along with all the standard and special accessories (subject to remarks in Para 2). The same has been installed and commissioned.

- (a) Contract No. \_\_\_\_\_ Date \_\_\_\_\_
- (b) Description of the equipment \_\_\_\_\_
- (c) Name of the consignee \_\_\_\_\_
- (d) Scheduled date of delivery of the consignment to the Lab./Instts. \_\_\_\_\_
- (e) Actual date of receipt of consignment by the Lab./Instts. \_\_\_\_\_
- (f) Scheduled date for completion of installation/commissioning \_\_\_\_\_
- (g) Training Starting Date \_\_\_\_\_
- (h) Training Completion Date \_\_\_\_\_
- (i) Names of People Trained \_\_\_\_\_
- (j) Actual date of completion of installation/commissioning \_\_\_\_\_
- (k) Penalty for late delivery (at Lab./Instts. level) ₹ \_\_\_\_\_
- (l) Penalty for late installation (at Lab./Instts. level ₹ \_\_\_\_\_

Details of accessories/items not yet supplied and recoveries to be made on that account:

Sl. No.	Description	Amount to be recovered

02. The acceptance test has been done to our entire satisfaction. The supplier has fulfilled his contractual obligations satisfactorily

or

The supplier has failed to fulfil his contractual obligations with regard to the following:

(a) .....

(b) .....

(c) .....

(d) .....

The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated at Sr. No. 3.

For Supplier

For Purchaser

Signature .....

Signature.....

Name .....

Name.....

Designation .....

Designation.....

Name of the firm.....

Name of the Lab/Instt.....

Date .....

Date.....

**Form -10**

**Format of Integrity Pact**

Between

Devbhumi Pharmaceutical Testing and training center foundation, a Society registered under the Indian Societies Act 1860 represented by \_\_\_\_\_ hereinafter referred to as "The Principal".

And..... herein referred to as "The Bidder/ Contractor."

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for

.....The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relations with its Bidder(s) and/or Contractor(s).

In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

**Section 1 – Commitments of the Principal**

- (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 a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person 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.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary action.

**Section 2 – Commitments of the Bidder(s)/Contractor(s)**

- (1) The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
  - (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 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. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to 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.

- (c) 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. Further details as mentioned in the “Guidelines on Indian Agents of Foreign Suppliers” shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only. Copy of the “Guidelines on Indian Agents of Foreign Suppliers” is annexed and marked as Annexure.
- (d) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- (2) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

### **Section 3 – Disqualification from tender process and exclusion from future Contracts**

- (1) If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a 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 the Bidder(s)/Contractor(s) from the tender process or take action as per the procedure mentioned in the “Guidelines on Banning of business dealings”. Copy of the “Guidelines on Banning of business dealings” is annexed and marked as Annex - “B”.

### **Section 4 – Compensation for Damages**

- (1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- (2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the contract value or the amount equivalent to Performance Bank Guarantee.

### **Section 5 – Previous transgression**

- (1) The Bidder declares that no previous transgressions occurred in the last 3 Years with any other Company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in “Guidelines on Banning of business dealings.”

### **Section 6 – Equal treatment of all Bidders / Contractors/ Sub-contractors**

- (1) The Bidder(s)/Contractor(s) undertake(s) to demand from all Subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.

- (2) The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors and Subcontractors.
- (3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

### **Section 7 – Criminal charges against violating Bidders / Contractors/ Subcontractors**

- (1) If the Principal obtains knowledge of conduct of a bidder, Contractor or Subcontractor or of an employee or a representative or an associate of a bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Director of the foundation.

### **Section 8 - Independent External Monitors**

- (1) The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- (2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Director of the foundation.
- (3) The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Subcontractor(s) with confidentiality.
- (4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- (5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (6) The Monitor will submit a written report to the Director of the foundation within 8 to 10 weeks from the date of reference or intimation to him by the Principal and should the occasion arise, submit proposals for correcting problematic situations.
- (7) Monitor shall be entitled to compensation on the same terms as being extended to/provided to other organisations/ autonomous bodies under the Govt of India.
- (8) If the Monitor has reported to the Director of the foundation, a substantiated suspicion of an offence under relevant IPC/PC Act, and the Director of the foundation has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Ministry of Pharmaceuticals, Govt of India the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- (9) The word 'Monitor' would include both singular and plural.

### **Section 9 – Pact Duration**

This Pact begins when both parties have legally signed it. It expires for the Contractor 10 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Director of the foundation.

**Section 10 – Other provisions**

- (1) This agreement is subject to Indian Law. Place of performance and Jurisdiction is the Registered Office of the Foundation, i.e. Haridwar
- (2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- (3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- (4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

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(For & On behalf of the Principal)  
 Bidder/Contractor)(Office Seal)  
 Place.....  
 Date.....  
 Witness 1:(Name & Address): \_

(For & On behalf of  
 (Office Seal)  
 Place.....  
 Date.....

---

Witness 2:(Name & Address): \_

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**FORM - 11**

**Format for declaration by the Bidder for "Code of Integrity & conflict of interest"**

**(On the Letter Head of the Bidder)**

Ref. No: \_\_\_\_\_

Date \_\_\_\_\_

To,

\_\_\_\_\_  
\_\_\_\_\_

(Name & address of the  
Purchaser) Sir,

With reference to your Tender No. \_\_\_\_\_ dated \_\_\_\_\_ I/We  
hereby declare that we shall abide by the Code of Integrity for Public Procurement as mentioned  
under Para 1.3.0 of ITB of your Tender document and have no conflict of interest.

The details of any previous transgressions of the code of integrity with any entity in any  
country during the last three years or of being debarred by any other Procuring Entity are  
as under:

- a
- b
- c

We undertake that we shall be liable for any punitive action in case of transgression/ contravention  
of this code.

Thanking you,

Yours sincerely,

Signature

(Name of the Authorized Signatory)

Company Seal

**PRICE SCHEDULE FORM FOR GOODS BEING OFFERED WITHIN INDIA**

Name of the Bidder \_\_\_\_\_

Tender No. \_\_\_\_\_

1	2	3	4	5	6	7	8
Sl. No.	Item Description With HSN code	Country of origin	Unit	Quantity	Unit Rate (inclusive of all taxes already paid)	Total price (inclusive of all taxes already paid) 5x6	GST & other taxes payable, if contract is awarded
	The price has to be mentioned in total for each part						

**Total Bid price**

**In figures.....**

**In words.....**

Signature of the bidder with stamp

**Note:**

1. The bidder has to provide the breakup of each component of the price bid, if asked for.
2. The Bidder shall be able to provide the cost of AMC of the equipment and other facilities if asked.
3. The bidder shall provide the manpower cost separately.



## **Form - 13**

### **Format for Affidavit regarding Local Content in the Equipment**

TENDER NUMBER:

Date: \_\_\_\_\_

I \_\_\_\_\_ S/o, D/o, W/o \_\_\_\_\_, Resident of \_\_\_\_\_ do

hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the policy of Government of India issued vide Notification – Public procurement (preference to Make in India) Order No.P-45021/2/2017-PP (BE-II) dated 16.09.2020

That the information furnished hereinafter is correct to be of my knowledge and belief and I undertake to produce relevant records before the procuring entity or any authority so nominated for the purpose of assessing the local content.

That the local content for all inputs which constitute the said equipment has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value-addition norms, based on the assessment of an authority so nominated for the purpose of assessing the local content, action will be taken against me as per Order No. P-45021/2/2017/-PP( B.E-II) dated 16.09.2020.

I agree to maintain the following information in the Company's record for a period of 8 years and shall make this available for verification to any statutory authority: (Kindly fill up the below mentioned particulars)

**i. Name and details of the PLACE OF LOCATION OF VALUE ADDITION:**

- ii. Equipment for which the certificate is produced
- iii. Procuring entity to whom the certificate is furnished

**iv. Percentage of local content claimed:**

This is to certify that the information / details given above are true. If it is found at a later stage that any or all of the certification is found to be false or documents establishing value addition is not produced or insufficient I shall be liable for the false declaration. I shall co-operate with the nodal ministry or the procuring entity for verification of records establishing local content.

For and on behalf of (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Director / Partner / Proprietor)

**NOTE: AUTHORISED SIGNATORY AS PER THE PPMI ORDER**

## **FORM – 14**

(For details refer to OM No.P-45021/112/2020-PP(BE-II)(E-43780) dated 24.08.2020 of Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade and any amendments thereon.)

### **Certificate for subcontracting**

(Applicable and to be provided by bidder in case of subcontracting)

I have read the tender document of tender no. \_\_\_\_\_ along with clause \_\_\_\_\_ regarding restriction on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from a such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the competent Authority. A valid certificate issued by the competent Authority has been attached with the bid. I hereby certify that this bidder fulfil all requirements in this regard and is eligible to be considered.

Signature of the

bidder Name of the

Signatory

## FORM – 15

(For details, please refer to the Govt. of India(Gol.), Ministry of Finance, Department of Expenditure OM No. **F 6/18/2019-PPD dated 23.78.2020** and Gol., Department for Promotion of Industry and Internal Trade(DPIIT) Order P-45021/112/2020-PP(BE-II) (E-43780) read with any other amendment/ related instructions issued by the Govt. of India, from time to time as on date of issue of this tender)

**To,  
The Director,  
Devbhumi Pharmaceutcal Testing and training center foundation.**

### Certificate by bidder for participation

With reference to the Tender Enquiry bearing No. ....  
dated ..... it is certified that:

*I/we have read clauses regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries and I / We certify that the bidder is not from such a country or if from a such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the competent Authority. (A valid certificate issued by the Competent Authority has been attached with the bid, if applicable).*

*Further, I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. Details of offered goods are as under-*

- i. Country of Origin of the Offered Item \_\_\_\_\_
- ii. Manufacturer of the offered item \_\_\_\_\_
- iii. Complete Address of the manufacturer \_\_\_\_\_
- iv. Manufacturer of the offered item does not pertain to such a country which shares Land Border with India.

For and on behalf of M/s.....

(Sign and Seal of authorized representative of the firm)

## Annexure VII

This Annexure provides only brief overview of the main tendering related provisions of various policies of the Govt. of India (those related to MSEs, Make in India(MII), Start Up India, DPIIT guidelines etc. Bidders are encouraged in their own interest to go through the original policy documents issued by concerned ministries / departments of the Government of India, as these are revised from time to time. For the purpose of tender evaluation and deciding eligibility / ineligibility of bidder's offer, interpretation will be based on the current provisions in the original document of the concerned policy.

1. **The bidder must Comply with Make in India Order No.** P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Ministry of Commerce and Industry, Government of India and any amendment thereto from time to time.
2. **Comply with Order No.** P-45021/112/2020-PP(BE-II)(E-43780) dated 24.08.2020 of Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade and any amendments thereon.
2. **Purchase Preference to Micro and Small Enterprises (MSEs) and Purchase Preference linked with MAKE IN INDIA Order shall be applicable subject to full compliance of other terms and conditions of the RFQ / NIT and Contract, as per Government of India procurement policies. The purchaser intends to give purchase preference to:**
  - a. Make in India (as per Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Ministry of Commerce and Industry, Government of India. The preference to Public Procurement (Preference to Make in India) Order 20120" shall be subject to meeting technical specifications and full compliance of other terms and conditions of the RFQ / NIT and Contract.
  - b. Products / goods manufactured by Micro and Small Enterprises shall be eligible for purchase preference as per MSE order 2012 and any amendments thereon. If the bidder wants to avail the Purchase preferences, **the bidder must be the manufacturer of the offered product in case of bid for supply of goods.** Traders are excluded from the preview of public procurement policy for Micro and Small Enterprises. In respect of bid for services, the bidder must be the service provider of the offered service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. The aforesaid Policy is meant for procurement of only goods produced and Services rendered by MSEs and not for any trading activities by them. An MSE unit will not get any Purchase Preference over any other MSE Unit.

In case a bidders are eligible to seek benefit under Purchase Preference Policy(PPP) under 'MAKE IN INDIA(MII)' policy as well as PPP for 'MSE ,2012', then the bidder should categorically seek benefits specifying benefits claimed by the bidder with reference to MAKE IN INDIA OR MSE policy in BID FORM itself. Please also refer to the Govt. of India, Ministry of Finance, Department of Expenditure **OM No. F.1/4/2021-PPD dt. 18.05.2023** for order of *inter se* purchase preference applicable in such **concurrent applicability** of MII and MSEs policy in such cases.

3. 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** (Registration Committee as constituted by Department of Promotion of Industry and Internal Trade) and submits a valid registration Certificate. (please refer to Order no.6/18/2019-PPD dated 23 July 2020 and any amendments thereon.)
- 4.1 "Bidder" (including the term 'tendered', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial judicial person not falling in any of the descriptions of bidder stated hereinbefore, including any agency branch or Officer controlled by such person, participating in a procurement process.
- 4.2 "Bidder from a country which shares a land border with India" for the purpose of this order means:
  - a) An entity incorporated, established or registered in such a country; or
  - b) A subsidiary of an entity incorporated, established or registered in such a country; or

- c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d) An entity whose beneficial owner is situated in such a country; or
- e) An Indian (or other) agent of such an entity; or
- f) A natural person who is a citizen of such a country; or
- g) A consortium or joint venture where any member of the consortium or joint venture fails under any of the above

**4.3** The beneficial owner for the purpose of above will be as under

- i. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more judicial person, has a controlling ownership interest or who exercise control through other means.  
Explanation -
  - a) "Controlling ownership interest" means ownership of a or entitlement to more than twenty-five percent of shares or capital or profits of the company;
  - b) "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholder's agreements or voting agreements.
- ii. In case of a partnership firm, the beneficial owner is the natural persons(s) who, whether acting alone or together, or through one or more judicial person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
- iii. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more judicial person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
- iv. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
- v. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

**4.4** An agent is a person employed to do any act for another, or to represent another in dealings with thirdperson.

## **5 Eligibility with respect to 'Make in India'**

- a) In procurement of all goods, services or works in respect of which the Nodal Ministry I Department has communicated that there is sufficient local capacity and local competition, only 'Class-I local supplier', as defined under the Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Ministry of Commerce and Industry, Government of India, shall be eligible to bid irrespective of purchase value.
- b) Only 'Class-I local supplier' and 'Class-II local supplier', as defined under the Order, shall be eligible to bid in procurements undertaken by procuring entities, except when Global tender enquiry has been issued. In global tender enquiries, 'Non-local suppliers' shall also be eligible to bid along with 'Class-I local suppliers' and 'Class-II local suppliers'. In procurement of all goods, services or works, not covered by sub- para 3(a) of Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Ministry of Commerce and Industry, Government of India, and with estimated value of purchases less than Rs 200 Crore, in accordance with Rule 161(iv) of General Finance Rules, 2017, Global tender enquiry shall not be issued except with the approval of competent authority as designated by Department of Expenditure.

## **6 Purchase Preference Policies:**

### **A) Purchase Preference Policy in respect of MSEs**

- a) The purchaser intends to give product reservation/purchase preference/price preference in line with current Govt. of India procurement policies to help inclusive national economic growth by providing long term support to Micro and Small enterprises and disadvantaged sections of the society and to address environmental concerns along with preferential market access in govt. procurements.
- b) A bidder in the category of Micro and Small Enterprises (to be supported by valid documents – to be uploaded along with technical bid), qualifying for price-bid and quoting price within price band of L1+15 percent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a Micro and Small Enterprise shall be allowed to supply upto 25 percent of the total tendered value (ratio of non-MSME and MSME will be 80:20).
- c) In case more than one such Micro and Small Enterprise, the supply shall be shared proportionately.
- d) If the lowest is MSME then the entire order will be finalized on L1.

**b) Purchase Preference Policy in respect of Make in India**

- a) Subject to the provisions of Order No.P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Ministry of Commerce and Industry, Government of India and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to **Class-I local supplier** in procurements undertaken by procuring entities in the manner specified here under.
- b) In the procurements of goods or works, which are covered by para 3(b) of Order No.P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Ministry of Commerce and Industry, Government of India above and which are divisible in nature, the '**Class-I local supplier**' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure.
  - i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1.
  - ii. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- c) In the procurements of goods or works, which are covered by para 3(b) Order No.P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Ministry of Commerce and Industry, Government of India and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure-
  - i. Among all qualified bids. the lowest bid will be termed as L 1. If L1 is 'Class- 1 local supplier', the contract will be awarded to L1.
  - ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price fall1ng within the margin of purchase preference. and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.
  - iii. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.
  - iv. "Class-II local supplier" will not get purchase preference in any procurement, undertaken by procuring entities.

**7. Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 shall be governed in terms of the Govt. of India, Ministry of Finance, Department of Expenditure OM No. F.1/4/2021-PPD dt. 18.05.2023, as amended from time to time. The brief guidelines under situation of concurrent application of aforesaid policies are briefly detailed as under -**

7.1 The Class-I local suppliers, under PPP-MII Order, participating in any government tender, may or may not be MSEs, as defined under the MSME Act. Similarly, MSEs participating in any government tender, may or may not be Class-I local suppliers. Suppliers may be categorised in following four broad categories for consideration or applicability of purchase preference:

<b>Category</b>	<b>Terminology</b>
Supplier is both MSE & Class-I local supplier.	"MSE Class-I local supplier"
Supplier is MSE but not Class-I local supplier.	'MSE but non-Class-I local supplier"
Supplier is not MSE but is Class-I local supplier.	'Non-MSE but Class-I local supplier"
Supplier is neither MSE nor Class-I local.	'Non-MSE non-Class-I local supplier'

7.2 The applicability of PPP-MSE Order and PPP-MII Order in various scenarios, involving simultaneous purchase preference to MSEs and Class-I local suppliers under PPP-MSE Order and PPP-MII Order respectively, shall be as under -

*a. Items covered under Para 3(a) of PPP- MII Order, 2017 for which Nodal Ministry has notified sufficient local capacity and competition:* For these items, only Class-I local suppliers are eligible to bid irrespective of purchase value. Hence, Class-II local suppliers or Non-local suppliers, including MSEs which are Class-II local suppliers/ Non-local suppliers, are not eligible to bid. Possible scenarios can be as under:

- i. L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1.
- ii. L-1 is "Non-MSE but Class-I local supplier" - Purchase preference is given to MSEs as per PPP-MSE Order. Balance quantity is to be awarded to the L-1 bidder.

*b. Items reserved exclusively for procurement from MSEs as per PPP-MSE Order:* These items are reserved exclusively for purchase from MSEs. Hence, non-MSEs are not eligible to bid for these items. Possible scenarios can be as under:

- i. L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1.
- ii. L-1 is "MSE non-Class—I local supplier" - Purchase preference is to be given to Class-I local supplier as per PPP-MII Order. Balance quantity, is to be awarded to L-1 bidder.

- c. If items are neither notified for sufficient local capacity nor reserved for MSEs, then the process will be as follows:

**c(a)** Items covered under Para 3A(b) of PPP-MII Order are divisible items and both MSEs as well as Class-I local suppliers are eligible for purchase preference. Possible scenarios can be as under:

- i. L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1.
- ii. L-1 is "Non-MSE but Class-I local supplier" - Purchase preference is to be given to MSEs, if eligible, as per PPP-MSE Order. Balance quantity is to be awarded to L-1 bidder.
- iii. L-1 is "MSE but non-Class-I local supplier" - Purchase preference is to be given to Class-I local suppliers, if eligible, as per PPP-MII Order. Balance quantity is to be awarded to L-1 bidder.

iv. L-1 is “Non-MSE non-Class-I local supplied” - Purchase preference is to be given to MSEs as per PPP-MSE Order. Thereafter, purchase preference is to be given to Class-I local suppliers for “50% of the tendered quantity minus quantity allotted to MSEs above” as per PPP- MII Order. For the balance quantity, contract is to be awarded to L-1 bidder. (Kindly refer to the illustrative example in the annexure to said OM dt. 18.05.2023 under reference).

**c(b)** Items covered under Para 3A(c) of PPP-MII Order, 2017 are non- divisible items and both MSEs as well as Class-I local suppliers are eligible for purchase preference. Possible scenarios can be as under:

- i. L-1 is “MSE Class-I local supplier” - Contract is awarded to L-1.
- ii. L-1 is not “MSE Class-I local supplier” but the “MSE Class-I local supplier” falls within 15% margin of purchase preference - Purchase preference is to be given to lowest quoting “MSE Class-I local supplier”. If lowest quoting “MSE Class-I local supplier” does not accept the L-1 rates, the next higher “MSE Class-I local supplier” falling within 15% margin of purchase preference is to be given purchase preference and so on.
- iii. If conditions mentioned in sub paras (i) and (ii) above are not met  
i.e. L-1 is neither “MSE Class-I local supplier” nor “MSE Class-I local supplier” is eligible to take benefit of purchase preference, the contract is to be awarded/ purchase preference to be given in different possible scenarios as under:
  - A. L1 is “MSE but non-Class-I local supplied” or “Non-MSE but Class-I local supplier” — Contract is awarded to L1.
  - B. L1 is “Non-MSE non-Class-I local supplier” - First purchase preference to be given to MSE as per PPP-MSE Order. If MSE not eligible/ does not accept - purchase preference to be given to Class- I Local supplier as per PPP-MII Order. If Class-I Local supplier also not eligible/ does not accept -contract to be awarded to L-1.

**7.3 Items reserved for both MSEs and Class-I local suppliers:** These items are reserved exclusively for purchase from MSEs as well as Class-I local suppliers. Hence, only “MSE Class-I local supplier” are eligible to bid for these items. Non-MSEs/Class-II local suppliers/ Non-local suppliers cannot bid for these items. Hence the question of purchase preference does not arise.

**7.4 Non-local suppliers, including MSEs falling in the category of Non-local suppliers, shall be eligible to bid only against Global Tender Enquiry.**

(Bidders are advised to refer to said OM No. F.1/4/2021-PPD dt. 18.05.2023 and related instructions for further details).

**NOTE ABOUT ‘LOCAL CONTENT’:** As per Letter No. P- 45021/102/2019-PP(BEII)(E-29930) dated 26.11.2020 and OM P- 45021/102/2019-PP(BE-II)-BE-Part-(1)(E-50310) dated 04.03.2021 of Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, it is clarified that bidders offering imported products will fall under the category of ‘Non-local suppliers’. They cannot claim themselves as Class-I local supplier / Class-II local supplier by claiming the services such as transportation, Insurances, Installation, Commissioning, training and after sales services support like AMC/CMC etc. as local value addition.