

NATIONAL SEEDS CORPORATION LIMITED

(A Government of India Undertaking-" Mini Ratna" Company)

**Beej Bhavan, Pusa Complex,
New Delhi-110012.**

CIN No.: U74899DL1963PLC003913



(COMPETITIVE BIDDING NO. 121)

TENDER DOCUMENT FOR SUPPLY OF LABORATORY EQUIPMENTS

LAST DATE&TIME FOR RECEIPT OF BIDS. : UP TO 13.00 HR. ON 29.06.2015

DATE & TIME OF OPENING OF BIDS. : AT 14.30 HR ON 29.06.2015

NATIONAL SEEDS CORPORATION LIMITED
(A GOVT.OF INDIA UNDERTAKING)
BEEJ BHAVAN: PUSA COMPLEX
NEW DELHI-110012

CIN No.: U74899DL1963PLC003913
Phone :011-25842550,25840057
Fax: 011-25840056
Email:nscmaterialmanagement@gmail.com

No. MM/NSC/2(CB-121-LAB EQUIPMENTS)/15-16

Dated: 04.06.2015

National Seeds Corporation Ltd. , Beej Bhawan , Pusa Complex , New Delhi-110 012 invites sealed tender under two bid system on the prescribed tender form from the reputed manufacturers or their authorized dealers for the procurement of the following equipment:

S.No.	Lab Equipment	Quantity	EMD
1	Cabinet germinators (Double chamber)	2	25000
2	Walk-in-room germinator(20°C)	2	150000
3	Walk-in-room germinator(30°C)	2	150000
4	Hot air oven	2	4000
5	Controlled Seed Storage Room	1	45000
6	Digital Temperature and Humidity Indicator cum controller	2	4500
7	pH and electrical conductivity Meter	1	2000
8	Digital Moisture Meter	4	4000
9	Seed Herbarium/Displayer Model	24	3500
10	Counting Boards	25	1000
11	Sample storage boxes and racks	150 boxes	7500
12	Single Pan Balance (top loading)	2	2000
13	Refrigerator	2	3500
14	Binocular Sterioscopic Microscopes	1	10000
15	Illuminated Stand Magnifier	2	1000
16	Analytical Balance	1	2500
17	Thermometer (Dry bulb)	2	nil

1. The detailed specification of the equipments along with terms & conditions of the tender are available in tender documents as well as on the NSC website i.e. www.indiaseeds.com and www.eprocure.gov.in

2. Tenders will be accepted only on prescribed tender form which can be obtained from the Office of **Sr. GM(MM), National Seeds Corporation, New Delhi** in person by paying non-refundable amount of Rs. 1000/- by demand draft/ Bankers Cheque drawn in favour of National Seeds Corporation, New Delhi on any working day till 5.00 PM or the same (tender form) can be downloaded from NSC website or from www.eprocure.gov.in and the said firm has to pay the tender cost of Rs.1000/- during tender submission failing which the tender will be rejected straightaway.

3. MSE (Micro, Small Enterprise) registered with NSIC for the quoted item under single point registration scheme are exempted from payment of cost of tender document and EMD as well as entitled to avail the benefit of Public Procurement Policy for Micro and Small Enterprises (MSEs) 2012, according to the policy approved in the NSC subject to furnishing documentary proof in support of their claim along with their request, failing which the tender will not be accepted.

4. All the firms except those registered with NSIC have to deposit Earnest Money /Bid security in the shape of Bank Draft drawn in favour of National Seeds Corporation Ltd., New Delhi.

5. Tenders complete in all respect are to be submitted along with other supportive documents in a sealed envelope super scribing, "Tender Application for the supply of 'name of equipment' for Quality Control Laboratory". The sealed envelope(s) should be deposited in the Tender Box kept at NSC, Beej Bhawan , Pusa Complex , New Delhi, or may be sent by Registered Post/Speed Post addressed to The Sr. General Manager (MM) , NSC , Beej Bhawan, Pusa Complex, New Delhi-110012 so as to reach on or before 29.06.15 by 13.00 hr. There will be two bid systems for the said item. The Technical bids will be opened on the same day i.e. on 29.06.15 by 14.30 hr in presence of the bidder or his authorized representative and the financial bid/bids on the date and time which will be informed in advance to the all concerned.

6. The incomplete tender in any respect, without EMD, printed literature/drawing/ users lists/unsigned tender documents, received after the due date & time, will be rejected and no correspondence in this regard will be entertained.

7. The amendment if any will be notified only on the web site of the NSC and not through the press.

8. NSC reserves the right to reject any or all tender(s) without assigning any reasons.

LAST DATE & TIME FOR RECEIPT OF TENDER : Upto 13.00 hr on 29.06.15
DATE AND TIME FOR OPENING OF TENDER : At 14.30 hr on 29.06.15

(Kuldeep Singh)
Sr. General Manager (MM)

NATIONAL SEEDS CORPORATION LIMITED

Beej Bhavan , Pusa Complex
New Delhi – 110 012

Cost of tender document –Rs. 1000/-

<i>Need not to be sent back with tender documents</i>
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STANDARD BIDDING DOCUMENTS FOR NSC FOR PURCHASE OF GOODS

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To be sent back duly signed and stamped with tender documents

NATIONAL SEEDS CORPORATION LIMITED

Beej Bhawan , Pusa Complex
New Delhi – 110 012

Annexure-I

CHECK LIST

1. Name of the firm/ bidder : _____

2. Item No.& Name of the equipment tendered for : _____

3. Total no of pages of the tender (including catalogues etc.): _____
4. Whether Indigenous or Imported: _____
5. If imported, whether original certificate of the principal enclosed ? _____
6. Amount of EMD, Bank Draft No. and date enclosed with the tender: _____
7. Whether the cost of tender has been enclosed in the shape of Bank draft if down loaded from website of NSC _____
8. Whether unit is registered with NSIC/ Small Scale Industries for the tendered item. If so, whether the required certificate enclosed? _____
9. Whether list of “users” enclosed _____
10. Whether Technical Specifications, Printed Literature/ leaflets, etc. enclosed _____
11. Whether Affidavit Certificate regarding non-black-listing by any Govt. Dept./Institution/Public Enterprises/Undertaking enclosed _____
12. Whether letter accepting the terms and conditions of the tender enclosed _____

SIGNATURE _____

Stamp of the party _____

NATIONAL SEEDS CORPORATION LIMITED

Beej Bhawan , Pusa Complex

New Delhi – 110 012

Annexure - II

To be sent back duly signed and stamped with tender documents

QUESTIONNAIRE

BIDDERS SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW. IN CASE A QUESTION DOES NOT APPLY TO A BIDDER, THE SAME SHOULD BE ANSWERED WITH THE REMARKS "NOT APPLICABLE" BIDDERS MAY PLEASE NOTE THAT IF THE ANSWERS SO FURNISHED ARE NOT CLEAR AND /OR ARE EVASIVE, THE BID WILL BE LIABLE TO BE IGNORED

1. Bid No. _____	Date for bid opening on :
2. Offer is open for acceptance	
3. Brand or Make of goods offered.	
4. Name & address of manufacturer	
5. Station of Manufacture	
6. Whether any service center in India in case of foreign goods	
7. What is your permanent Income Tax A/C No.	
8. Status:	
(a) Are you currently registered with the Directorate General of Supplies & Disposals (DGS & D) for the item(s) quoted? If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.	
(b) Are you a small scale unit currently registered with the National Small Industries Corporation (NSIC) under single point Registration Scheme for the item(s) quoted? if so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.	
(c) If you are not registered either with NSIC or DGS&D, please state whether you are currently registered with directorate of Industries of the State Government concerned. If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.	
(d) Are you registered under the Indian Companies Act, 1956 or any other Act?	

Please attach certified copy (copies) of the relevant registration certificate(s) in confirmation to your above answer(s).

9.	Please indicate: Name & Full address of your Banker(s)	
10	Whether you are: a) Manufacturer of the goods quoted or b) Manufacturer's authorized agent for these goods	
11	State whether business dealings with you have been currently banned by any Ministry/Deptt. of Central Govt. or any State Govt.	

Signature of Bidder

Signature of witness

Name & Address of Witness

Full name, designation &
Address of the persons signing above
for and on behalf of M/s. _____

(Name and address of the bidding firm)

NATIONAL SEEDS CORPORATION LIMITED

Beej Bhawan , Pusa Complex

New Delhi – 110 012

Annexure-III

***To be sent back duly signed and stamped with
tender documents along with enclosures.***

BID FORM AND PRICE SCHEDULES

No.

Dated _____

To

The Sr. General Manager (MM),
NSC, New Delhi-12

Ref: Your bidding documents No. _____ dated _____

Sir,

Having examined the above mentioned bidding documents, the receipt of which is duly acknowledged, we, the undersigned, offer to supply and deliver _____
_____ (description of goods and services) in conformity
with the said bidding documents for the sum as shown in the price schedules, attached herewith and made
part of this bid.

We undertake, if our bid is accepted, to provide the goods and complete the services in accordance
with the delivery schedule specified in the schedule of requirements after fulfilling all the applicable
requirements incorporated in the above referred bidding documents.

If our bid is accepted, we will provide
you with performance security as per the instructions specified in GCC clause 7 and in a form acceptable
to you in terms of GCC clause 7.5 for a sum equivalent to 3 % (three percent) of the contract price for the
due performance of the contract.

We agree to abide by this bid for the bid validity period specified in the ITB clause 16 (read with
modification, if any, in the Bid Data sheet) or for the subsequently extended period, if any, agreed to by us
and it shall remain binding up on us and may be accepted at any time before the expiration of the period.

Until a formal contract is prepared and executed, this bid together with your written acceptance
thereof and your notification of award, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this _____ day of _____, 20____.

Signature

(in the capacity of)

Duly authorized to sign bid for and on behalf of

Encl: 1. Price schedule

NATIONAL SEEDS CORPORATION LIMITED

Beej Bhawan, Pusa Complex

New Delhi – 110 012

Enclosure -1

Price of equipment with all essential accessories as per NIT specification including customs duty and all other charges including installation and commissioning on F.O.R Door delivery basis at different locations of NSC as per Annexure X.

Sl. No.	Destination	Equipment Name & Description	Rate/Unit (In Rupees)

Total bid price in Indian Rupee: (in figures) _____(in words)_____.

Signature of bidder

Name:_____

Place: _____

Business address:_____

Date: _____

Note: 1. The Price should be quoted in Indian Rupees only.

2. The Rate should include unit price, cost of Essential Accessories required as per NIT specification including Customs duty, Customs clearance, Sales Tax, VAT, Freight charges, installation etc., where ever applicable.

To be sent back duly signed and stamped with tender documents

MANUFACTURER'S AUTHORISATION FORM

To

(Name and address of the purchaser)

Dear Sirs,

Reference our Bidding Documents No. _____

We _____ who are established and reputable manufacturers of _____ (name and description of the goods offered in the bid) having factories at _____ hereby authorize M/s _____ (name and address of the agent) to submit a bid, negotiate (as and if necessary) and conclude the contract with you against your above mentioned Bidding Documents for the above good manufactured by us.

No company or firm or individual other than M/s _____ (name and address of the above agent) is authorized to bid, negotiate and conclude the contract against this specific Bidding Documents for the above mentioned goods manufactured by us.

We hereby extend our full guarantee and warranty as per clause 15 of the General Conditions of Contract, read with modification, if any, in the special conditions of contract for the goods and services offered for supply against this Bidding document by the above firm.

Yours faithfully,

(Signature, name and designation)

for and on behalf of M/s _____

(Name and address of the manufactures)

Note: This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

NATIONAL SEEDS CORPORATION LIMITED
Beej Bhawan , Pusa Complex
New Delhi – 110 012

Annexure -V

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SCHEDULE OF REQUIREMENTS - PART - I

The following specific data and conditions for the goods to be purchased shall complement, supplement or modify the corresponding provisions in the instruction to Bidders (ITB). In case of any conflict, the stipulations incorporated here will prevail over the stipulations contained in the ITB.

A) Name of Purchaser: The Sr. General Manager (MM) NSC, New Delhi -110012

B) Purchaser's mailing address: National Seeds Corporation Ltd

Beej Bhawan , Pusa Complex, New Delhi -110012

Tel :011-25842550;25840057 Fax :011-25840056,

E-mail: nscmaterialmanagement@gmail.com ;

Website: <http://www.indiaseeds.com>

Preparation of bids

1. There will be two bid system for the item. The technical bid should consist of all technical details along with commercial terms & conditions; and financial bid should indicate item-wise price for the items mentioned in the technical bid. The bids should be sealed by the bidder in separate covers duly super scribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly super scribed. The technical bids are to be opened at the 1st instance for evaluation and at the 2nd stage, financial bids of only the technically acceptable offers will be opened for evaluation and ranking for awarding the contract.
2. The technical bid will be opened on **29.06.15 at 14.30 hr.** and the date of opening of financial bid will be informed in advance.
3. The bidder/tender shall have to quote the rates in prescribed format of Price schedules or otherwise the tender can be cancelled or treated as non-responsive.
4. **Price to be quoted in Indian rupee on F.O.R door delivery basis including installation and commissioning at different locations of NSC as per Annexure X.**
5. **The prices shall be inclusive of all costs i.e. equipment cost including all essential accessories as per NIT, charges like customs duty, customs clearance charges, Sales Tax, VAT and freight, etc.**
6. **Corporation will not be in a position to issue the customs duty exemption certificate from DSIR, so it is the duty of the bidder to pay the customs duty, customs clearance and any other certificates/permit required to deliver the items at the destination.**
7. The tender/offer shall remain valid for acceptance for a period not less than 180 days after the specified date of opening of the offers. An offer valid for a shorter period shall be rejected as non-responsive.
8. **The price comparison shall be on FOR delivery at different locations of NSC as per Annexure X .**
9. All the firms except those registered with NSIC have to deposit Earnest Money /Bid security in the shape of Bank Draft drawn in favour of “**National Seeds Corporation**”, payable at **Pusa Complex, New Delhi-110012** from any of the commercial bank in any acceptable form. The firms registered with the above have to submit a copy of valid registration certificate with the tender document, failing which the tender will not be accepted.
EMD in the shape of Cheque will not be accepted. Consolidated amount of EMD for more than one Tender will not be acceptable. EMD of party whose tender is accepted for procurement of goods would be refunded only after the receipt of goods in satisfactory condition/installation but subject of receipt of performance security. However, the EMD of the parties whose rates will not be accepted would be refunded in due course of time. No interest is payable on EMD/performance security.
10. Cuttings/overwriting should be avoided; otherwise these should be properly initialed with stamp of the

bidder.

D. Submission of bids

1. Tender shall be sealed in an envelope. The envelope shall be addressed to the Sr.GM(MM), **National Seeds Corporation Ltd, Beej Bhawan , Pusa Complex, New Delhi-110012** and it should also bear the word “DO NOT OPEN BEFORE date -----”. This envelop should then be put inside another envelop, which will also be duly sealed. The outer envelope will bear the full address of the purchaser. The supplier must ensure that it's tender (i.e. quotation), duly sealed as above, reaches the purchaser **by 13.00 hr on 29.06.15** or before. The supplier may, at its choice, send the tender by registered post, speed post or hand deliver.
2. Separate tender documents shall be required for each item. The tender will be accepted only on the prescribed tender form. If a firm is to submit tender for more than one item, tender for each item has to be sealed in a separate cover and EMD's in the form of DD for the required amount. All such sealed envelopes can be sent in a suitable size sealed cover supported with a forwarding letter giving details of such covers.-
3. The tender must reach this office by 29.06.2015 or it will not be considered at any cost.
4. The tender/bid should be submitted along with the enclosed Annexure **I, II, III and its enclosures and IV duly signed failing which the same are liable to be summarily rejected as non-responsive.**

E. Bid opening and bid evaluation

1. The tender shall be opened on the dates as stipulated above in the presence of intending tenderers or their authorized representatives.

(The representative of bidder, who intends to attend the bid opening, shall bring with him/her a letter of authority from the bidder on the bidders letter head duly authorizing him/her to attend the bid opening. In the absence of such a letter of authority, the representative(s) will not be allowed to enter and attend the bid opening. The bidders representatives, who attend the bid opening, shall sign a register (will be provided by the purchaser) evidencing their attendance.)
2. In the event of the above specified date being declared a holiday for the purchaser, the bids will be received up to the appointed time on the next working day.

F. Award of Contract

1. At the time of awarding the contract, the Institute reserves the right to increase or decrease by up to 25% of the quantity of goods without any change in the unit price or other terms & conditions.
2. Notwithstanding the above, the Sr. GM(MM), NSC, New Delhi reserves the right to accept or reject any tender/bid or annul the tendering process and reject all tender/quotations, at any time prior to award of the contract, without assigning any reason, whatsoever, and without incurring any liability or obligation, whatsoever, to the affected tenderer or tenderers.

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SCHEDULE OF REQUIREMENTS - PART-II

The following special conditions shall supplement the general conditions of contract provided under section III. In case of any contradiction or conflict, the conditions provided herein shall supersede the corresponding conditions in the GCC.

1. Inspection and tests

- a) The goods will be inspected on receipt of goods at destination i.e. National Seeds Corporation, New Delhi/Pune/Bhopal/Kolkata/Secunderabad/Suratgarh or as specified in Purchase Order
- b) The modes of inspection as well as the tests to be carried out have been provided in the Technical Requirement provided in the bidding documents.

2. Warranty

Notwithstanding the warranty clause (16.2 of GCC), the preference will be given to the tenderer / manufacturer having ISO 9001 certification (with documentary proof to the effect) and giving warranty of their product as specified in the list.

3. Payment

- a) **Payment will be made in Indian rupee on F.O.R delivery at different locations of NSC as per Annexure X.**

4. Prices

- a) **The Institute will issue only ‘C’ form of sale tax wherever required. However, the bidder should indicate the tax particulars clearly in bid form if it is required.**
- b) While claiming reimbursement for Sale Tax, the supplier shall furnish the following certificate duly dated and signed on its bill.

“Certified that the goods on which ST has been charged have not been exempted under the CST Act or State ST Act or the rules made there under and the charges on account of ST on these goods are correct under provisions of that Act or the Rules made there under.

Certified further that we are registered as dealers for the purpose of ST in the State of under registration number.....We further confirm that the amount ST shown in the bill against this contract is correct in terms of above provision“.

- c) **Corporation will not provide custom duty exemption certificate from DSIR and therefore the rate should be quoted inclusive of the customs duty, custom clearance and any other charges at FOR destination deliver.**

5. General

1. The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawing, data etc. and shall consist of :

- i) a detailed description of the goods essential technical and performance characteristics
- ii) a list giving full particulars including available sources and current prices of all spare parts for a period of three years following commencement of the use of the goods.

Note: **No cognizance will be given for tender without documentary proof of literature/leaflets /drawing data etc. in support of the product i.e. equipment/instrument.**

- iii) It would be desirable to attach a **User list**, if any.

2. The party who submits the tender, will have to ensure after sale-service facility and billing by the same party, (and not by some other sister establishment, etc.) period of “after sale-service” may specifically be mentioned to consider the item failing which the tender may forgo its priority.
 3. The departmental rules/instructions shall bind tender.
 4. If the bidder fails to supply/install the ordered equipment/instrument, within a stipulated period of delivery, the EMD/performance security is liable to be forfeited.
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NATIONAL SEEDS CORPORATION LIMITED

Beej Bhawan , Pusa Complex
New Delhi – 110 012

Annexure-VII

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INSTRUCTIONS TO BIDDERS (ITB)

A. INTRODUCTION

1. Source of funds

1.1 The expenditure to be incurred for this intended purchase will be met from the funds available with the purchaser named in the schedule of requirements hereinafter referred to as “the purchaser”

2. Eligible bidders.

2.1 This invitation for bids is open to all suppliers, who fulfill the eligibility criteria as well as the qualification criteria, incorporated in this document.

3. Cost of bidding

3.1 The bidder shall bear all costs associated with the preparation and submission of its bid including samples, drawings, literatures etc., if any. The purchaser will in no case be responsible or liable any such cost, regardless of the conduct or outcome of the bidding process.

B. THE BIDDING DOCUMENTS

4. Content of bidding documents

4.1 The goods required, bidding procedures and contract terms are prescribed in the bidding documents .In addition to the Invitation for Bids, the bidding documents include:

- a) Instruction to Bidders (ITB)
- b) General conditions of contract (GCC)
- c) Schedule of requirements
- d) Technical specification and Quality control requirements
- e) Questionnaires
- f) Bid form and Price Schedule
- g) Bank guarantee form for bid security
- h) Manufacturer's Authorization Form
- i) Bank Guarantee Form for performance security
- j) Contract Form

4.2 In case of any contradiction between the stipulations made in ITB & GCC and Schedule of Requirements, the stipulations incorporated in the Schedule of Requirements will prevail over the corresponding stipulations contained in the ITB and /or GCC.

4.3 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.

5. Clarification of bidding documents

5.1 A prospective bidder requiring any clarification in connection with the bidding documents may notify the purchaser in writing at the purchaser’s mailing address indicated in the schedule of requirements before

the last date for submission of bid.

6. Amendment of bidding documents

- 6.1 At any time prior to the deadline for submission of bids, the purchaser may, for reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.
- 6.2 The amendment will be notified in writing to all prospective bidders, which have received the bidding documents and will be binding on them.
- 6.3 In order to provide the prospective bidders with reasonable time in which to take the amendment into account in preparing their bids, the purchaser may, at its discretion, extend the deadline for the submission of bids and other allied time frame having linkage with that deadline.

C. PREPARATION OF BID

7. Language of bid.

- 7.1 The bid submitted by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser shall be written in English language. Supporting documents and printed literature furnished by the bidder may be written in other languages, provided they are accompanied by an English translation of their relevant passages in which case, for the purpose of interpretation of the bid, the English translation shall govern.
- 7.2 The bid submitted by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser, may also be written in Hindi language, provided that the same is accompanied by an English translation, in which case, for the purpose of interpretation of the bid, the English translation shall govern.

8. Document constituting the bid

- 8.1 The bid submitted by the bidder shall comprise of the following documents:

- a) a bid form and a price schedule in accordance with ITB clauses 9,10 and 11.
- b) documentary evidence established in accordance with ITB clause 13 that the bidder is eligible to bid and is qualified to perform the contract if its bid is accepted.
- c) documentary evidence established in accordance with ITB clause 14 that the goods and ancillary services to be supplied by the bidder conform to the bidding documents.
- d) bid security furnished in accordance with ITB clause 15
- e) The questionnaires (attached as Annexure -II with the bidding documents) duly filled in.

NOTE: A bid, which does not fulfill any of the above requirements and/ or gives evasive information/reply against any such requirement, shall be liable to be declared unresponsive and summarily rejected.

9. Bid form:

- 9.1 The bidder shall complete the bid form and the appropriate price schedule furnished in the bidding documents Annexure VIII and its enclosures, indicating inter alia for the goods to be supplied a brief description of the goods, their country of origin, quantity and prices.

10. Bid prices :

- 10.1 The Bidder shall indicate on the price schedule the unit price including all essential accessories as per NIT specifications and customs duties , taxes etc. where ever applicable for the proposed equipments to supply at FOR under the contract. To this end, the Bidders are allowed the option to submit the bids for any one or more schedule specified in the 'Schedule of Requirement' and to offer discounts for combined schedules. However, bidders shall quote for the complete requirement of goods and services specified under each schedule on a single responsibility basis, failing which such bids (for the schedule in question) will not be taken into account for evaluation and will not be considered for award.

- 10.2 **Prices indicated on the price schedule shall be quoted in Indian rupees only for F.O.R Delivery at different locations of NSC as per Annexure X.**

- 10.3 The bidder's separation of the price components in accordance with ITB clause 10.2 above will be solely

for the purpose of facilitating the comparison of bids by the purchaser and will not in any way limit the purchaser's right to contract on any of the terms offered.

- 10.4 Prices quoted by the bidder shall remain firm and fixed during the contract period and not subject to variation on any account, unless otherwise specified in the Schedule of Requirements. If the requirement is for a fixed price bid, a bid submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITB clause 23

11. Bid Currencies: Prices shall be quoted in Indian rupees only.

12. Indian Agent :

- 12.1. If a foreign bidder has engaged an agent in India in connection with its bid, it will be required to give the following information in bid:

- i) The name & addresses of the Indian agent with their permanent income tax number.
- ii) The details of the services the agent will render.

13. Documents establishing bidder's eligibility and qualifications

- 13.1 Pursuant to ITB clause 8, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.

- 13.2 The documentary evidence of the bidder's qualifications to perform the contract if its bid is accepted, shall establish to the purchaser's satisfaction:

- a) that, in the case of a bidder offering to supply goods under the contract which the bidder did not manufacture or otherwise produce, the bidder has been duly authorised by the good's manufacturer or producer to supply the goods in India.
- b) that the bidder has financial, technical and production capability necessary to perform the contract and, also it meets the criteria indicated in the Schedule of Requirements.
- c) that, in the case of a bidder not doing business in India , the bidder is or will be (if successful) represented by an agent of India equipped and able to carry out the supplier's maintenance, repair and spare parts stocking obligations prescribed by the conditions of contract and/or technical specifications.
- d) that such an agent (w.r.t. sub para 'c' above) is enlisted with Directorate General of Supplies & Disposals, Jeevan Tara Building, Sansad Marg, New Delhi-110 001, under the scheme of Ministry of Finance, Govt. of India for compulsory enlistment of Indian Agents.
- e) if an agent in its bid submits quotations on behalf of more than one manufacturer, it is necessary that each such bid is accompanied by a separate bid form and bid security for each such quotation and authorization from the respective Manufacturer. Otherwise all such quotations will be rejected as non-responsive.

14. Documents establishing good's eligibility and conformity to bidding document.

- 14.1 Pursuant to clause 8 the bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the bidder proposes to supply under the contract.

- 14.2 The documentary evidence for eligibility of the goods and services shall consist of a statement in the price schedule, about the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.

- 14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, data etc. and shall consists of :

- a) a detailed description of the goods essential technical and performance characteristics,
- b) a list giving full particulars, including available sources and current prices, of all spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period of two years (or more, if specified in the schedule) following commencement of the use of the goods by the purchaser; and
- c) a clause-by clause 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**'

- 14.4 For purposes of the commentary to be furnished to ITB clause 14.3c above the bidder shall note that the standards of workmanship, material and equipment and references to brand names or catalogue numbers,

if any designated by the purchaser in its 'Technical Specifications' are intended to be descriptive only and not restrictive. The bidder may substitute alternative standards, brand names and/or catalogue numbers in its bid, provided that it demonstrates to the purchaser's satisfaction that the substitutions are substantially equivalent or superior to those mentioned in the 'Technical Specifications'.

15. Bid Security

- 15.1 Pursuant to clause 6 the bidder shall furnish as part of its bid, a bid security of an amount specified in the Schedule of Requirements.
- 15.2 The bid security is required to protect the purchaser against risk of bidder's conduct, which would warrant the security's forfeiture, pursuant to ITB clause 15.7
- 15.3 The bid security shall be denominated in the currency of the bid or in Indian Rupees and shall be in one of the following forms:
 - a) Demand draft on a scheduled commercial bank in India, drawn in favour of the designated officer of the purchase organization and payable at a place as indicated by the purchaser in the Schedule of Requirements.
 - b) A bank guarantee (un-revocable), issued by a scheduled commercial bank in India or a bank abroad, duly 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.
- 15.4 Any bid from a bidder, not secured in accordance with ITB clauses 15.1 and 15.3 will be summarily rejected by the purchaser, as non responsive to ITB clause 24
- 15.5 Unsuccessful bidders bid security will be discharged/returned as promptly as possible after the expiration of the period of bid validity prescribed by the purchaser, pursuant to ITB clause 16 but, barring any unforeseen circumstances, not later than 45 days of the award of contract.
- 15.6 The successful bidder's bid security will be discharged/returned upon the bidder, signing and accepting the contract pursuant to ITB clause 33 and furnishing the performance security, pursuant to ITB clause 34.
- 15.7 The bid security may be forfeited:
 - a) if a bidder :
 - i) withdraws its bid or impairs or derogates from the bid in any respect during the period of bid validity specified by the bidder on the bid form; or
 - ii) does not accept the correction of errors pursuant to ITB clause 24.2
 - b) in the case of successful bidder, if the bidder fails :
 - i) to accept and sign the contract in accordance with ITB clause 33 or
 - ii) to furnish performance security in accordance with ITB clause 34

16. Period of validity of bids

- 16.1 Bids shall remain valid for acceptance for 180 days after the date of bid submission prescribed by the purchaser pursuant to ITB clause 19. A bid valid for a shorter period shall be rejected by the purchaser as non-responsive.
- 16.2 In exceptional circumstances, the purchaser may solicit the bidder's consent to an extension of the period of bid validity up to a specified period. The request and the response thereto shall be made in writing (or by facsimile or cable of telex, which will be followed by a signed confirmatory copy simultaneously). The bid security provided under ITB clause 15 shall also be suitably extended. A bidder may refuse the request without forfeiting its bid security. However, a bidder agreeing to the request will not be required non permitted to modify its bid.
- 16.3 If the date up to which the bid is to remain valid happens to be a closed holiday for the purchaser, the bid shall automatically remain valid up to the next working day of that organization.

17. Format and signing of bid

- 17.1 The bidder shall prepare two copies of the bid, clearly making them "Original Bid" and "Duplicate copy of Bid" respectively. In the event of any discrepancy between them, the original shall govern.
- 17.2 The original and the copy of 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 unamended printed literature, shall be initialed by the person or persons signing the bid.

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

17.4 The front page of the bidding documents, containing the signature with date of the official (of the purchase organization) selling/dispatching the documents and the seal of the office must be returned in original by the bidder along with the original copy of the bid, failing which the bid is liable to be ignored.

D. SUBMISSION OF BIDS

18. Sealing and marking of bids

18.1 The bidder shall seal the original and the duplicate copy of the bid in separate envelopes, duly marking the envelopes as "Original" and "Duplicate" respectively. These envelopes shall then be sealed in an outer envelope (In case more than two copies are required as per specific stipulation in the Schedule of Requirements, the copies of the bids shall be marked accordingly, like "Original", "Duplicate", "Triplicate" and so on each copy of the bid shall be sealed in separate envelope and these envelopes shall then be sealed in an outer envelope).

18.2 The inner and outer envelopes shall be:

a) addressed to the purchaser at the address given in the schedule of Requirements.

b) bear the invitation for bids (IFB) number and the words "DO NOT OPEN BEFORE

----- (The time and date of bid opening, as specified in the Bid Date Sheet shall be indicated here).

18.3 Each inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared "late" or if the invitation of bids (IFB) is canceled.

18.4 If the outer envelope is not sealed and marked as required by ITB clause 18.2, the purchaser will not assume any responsibility for the bid's misplacement or premature opening.

18.5 Bids sent by telegram, telex, cable or facsimile are not acceptable and will be rejected.

19. Deadline for submission of bids

19.1 Bids must be received by the purchaser at the address specified under ITB clause 18.2 not later than the time and date specified in the schedule of Requirements and the purchaser will provide a receipt (inter alia containing time and date of receipt) for the same. If that specified date happens to be a closed holiday for the purchaser, the bids will be received up to the appointed time on the next working day. If the Schedule of Requirements provides for receipt of bids through "Tender box", the bids shall be submitted accordingly as per the instruction given in the Schedule of Requirements.

19.2 The purchaser may at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB clause 6, 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.

20. Late bids

20.1 Any bid received by the purchaser after the deadline for submission of bids prescribed by the purchaser, pursuant to ITB clause 16 will be rejected and /or returned unopened to the bidder.

21. Modification and withdrawal of bids

21.1 The bidder may modify or withdraw its bid after submitting the same provided that written notice of the modification or withdrawal is received by the purchaser prior to the deadline prescribed for submission of bids.

21.2 The bidder's modification or withdrawal notice shall be prepared sealed, marked and dispatched in

accordance with the provisions of ITB clause 18.

21.3 No bid may be modified subsequent to the deadline for submission of bids.

21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidder in the bid form. Withdrawal of bid during this interval may result in forfeiture of the bidder's bid security pursuant to ITB clause 15.7.

E. BID OPENING AND BID EVALUATION

22 Opening of bids by purchaser

22.1 The purchaser will open the bids in the presence of bidders representatives, who choose to attend, at the time, date and the place specified in the Schedule of Requirement. If the specified date of bid opening is declared a holiday for the purchaser, the bids shall be opened at the appointed time and location on the next working day.

22.2 The representative of bidder, who intends to attend the bid opening, shall bring with him/her a letter of authority from the bidder on the bidder's letter head, duly authorising him/her to attend the bid opening. In the absence of such a letter of authority, the representative(s) will not be allowed to enter and attend the bid opening. The bidders representatives, who attend the bid opening, shall sign a register (which will be provided by the purchaser) evidencing their attendance.

22.3 The bidder's name, technical specification of the goods offered, bid prices, discounts, the presence or absence of the requisite bid security and such other details as the purchaser, at its discretion, may consider appropriate will be announced at the bid opening.

22.4 The purchaser will prepare appropriate minutes of the bid opening for its official record.

23. Clarification of bids

23.1 During scrutiny and evaluation of bids, the purchaser may, at its discretion, ask a bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the price or substance of the bid shall be sought, offered permitted.

24. Preliminary examinations of bids- unresponsive, substantially responsive & responsive bids

24.1 The purchaser will examine the bids to determine whether they are complete, whether the required bid validity is available, whether any computational errors have been made, whether required bid security has been furnished, whether the documents have been properly signed, and whether the bids are generally in order. While examining the bids, the purchase will also keep in view the requirements as per ITB clause 8.

24.2 Arithmetical errors, if any in a bid will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected accordingly. If there is a discrepancy between the words and figures, the amount in words shall prevail. If the supplier does not accept the correction of such errors, its bid will be rejected.

24.3 Prior to the detailed evaluation pursuant to ITB clause 25, the purchaser will determine the substantial responsiveness of each bid to the bidding documents. A substantially responsive bid is one which conforms to all the requirements and terms & conditions of the bidding documents, including the specification and technical parameters of the goods as projected in the bidding document, without material deviations. Deviations from or objections or reservations to the bidding documents critical

provisions, such as those concerning bid validity, technical specification, performance security, warranty obligations, Force majeure, taxes & duties and applicable law (governing the contract) will be deemed to be material deviations. Bids from an agent without proper authorisation from the manufacturer as per ITB clause 13.2(a) shall be treated as non responsive. The purchaser's determination of bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

- 24.4 The purchaser may waive any minor infirmity, non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.
- 24.5 The conclusion drawn by the purchaser as to the substantial responsiveness or otherwise of a bid or consideration of a minor infirmity or non-conformity or irregularity in a bid is final.
- 24.6 If a bid is determined as not substantially responsive, it will be rejected by the purchaser and may not subsequently be made responsive by the bidder by correction of the non-conformity.

25. Evaluation and comparison of bids

- 25.1 The purchaser will evaluate and compare the bids, which have been determined to be substantially responsive, pursuant to ITB clause 24 for each schedule separately. The bid for a schedule will not be considered if the complete requirements covered in the schedule is not included in the bid. However, as stated in ITB clause 10, bidders are allowed the option to bid for any one or more schedule and to offer discounts for combined schedules. These discounts will be taken into account in the evaluation of the bids so as to determine the bid or combination of bids offering the lowest evaluated cost for the purchaser in deciding award(s) for each schedule.
- 25.2 The comparison shall be on **F.O.R delivery at different locations of NSC as per Annexure X**.
- 25.3 The purchaser's evaluation of bid will also take into account the following factors in the manner and to the extend specified in the Schedule of Requirements and amplified in ITB clause 25.4
 - a) cost of inland transportation, insurance and other costs within India incidental to delivery of the goods to their final destination as stipulated in the Schedule of Requirements
 - b) Delivery schedule offered in the bid
 - c) the cost of components, spare parts and service.
 - d) the availability of spare parts and after-sale service in India for the goods offered in the bid.
 - e) the projected operating and maintenance cost during the life of the equipment.
 - f) specific additional criteria.
- 25.4 Pursuant to clause 25.3 , following evaluation methods will be followed:
 - a) Inland transportation, insurance and incidentals:
Bidder shall quote the price inclusive of all the charges like inland transportation, insurance and other incidentals for delivery of goods to the required destination as already indicated in the schedule of requirement.
 - b) Delivery schedule:
The purchaser requires that the goods mentioned in the schedule of requirements shall be delivered at the destination within 60 days of receipt of purchase order or the time schedule specified therein. As and if necessary, the estimated time of arrival of goods from ex-works/port of entry to the destination will be calculated by the purchaser for each bid after allowing for reasonable transportation time based on the purchaser for each bid after allowing for reasonable transportation time based on the published tariff of Railway, appropriate Road Transport Agencies etc. Bids offering deliveries (as worked out on above lines), which are later than the specified delivery but within the allowable range (as specified in the schedule of requirements) will be adjusted during the evaluation by adding a factor equal to the percentage specified in schedule of requirements, to the FOR delivery at different locations of NSC as per Annexure X price per week of variation from the specified delivery schedule.
 - c) Cost of components and spare parts : The inventories essential for the successful Functioning of the equipments should be added to the price bid.

- d) Availability of spare parts and after sales service facilities in India:
The cost to the purchaser of establishing the required service facilities and parts inventories outlined in the schedule of requirement or elsewhere in the bidding documents, should be shown separately.
- e) The projected operating and maintenance cost during the life of the equipment:
These costs, which form a major portion of the life cycle cost of the equipment, will be evaluated in accordance with the criteria specified in the schedule of requirements and/or in the Technical specifications.
- f) Specific additional criteria:
Other specific additional criteria to be considered in the bid evaluation and the corresponding evaluation method shall be incorporated in the Schedule of requirements and/or in the Technical specifications.

26. Bidder's capability to perform the contract

- 26.1 The purchaser will determine to its satisfaction whether the bidder, which is selected as having submitted the lowest evaluated responsive bid, is qualified and prima facie capable to perform the contract satisfactorily.
- 26.2 The determination will take into account the bidder's financial, technical, and production capability for fulfilling all the requirements of the purchaser as specified in the bidding documents. This exercise will be based upon the examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to ITB clauses 2 and 13 as well as such other allied information as the purchaser deems necessary and appropriate.
- 26.3 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, in which event the purchaser will proceed to the next lowest evaluated bid to make a similar determination of the bidder's capabilities to perform satisfactorily.

27. Purchaser's right to vary quantities at the time of award.

- 27.1 The purchaser reserves the right at the time of awarding the contract to increase or decrease by up to 25% the quantity of goods and services specified in the schedule of requirements without any change in the unit price or other terms and conditions.

28. Contacting the purchaser

- 28.1 From the time of the bid opening to the time of awarding the contract, if a bidder wishes to contact the purchaser on any matter related to the bid, it should do so in writing.
- 28.2 Any effort by a bidder to influence the purchaser in the purchaser's decision on bid evaluation,, bid comparison or contract award shall result in the rejection of the bidder's bid, besides other suitable administrative actions against the bidder, as deemed fit by the purchaser.

F. AWARD OF CONTRACT

29. Award criteria

- 29.1 Subject to ITB clause 28, the purchaser will award the contract to the successful bidder whose bid has been determined as the lowest evaluated bid, provided further that the bidder is determined to be qualified and prima facie capable to perform the contract satisfactorily.

30. Purchaser's right to accept any bid and to reject any or all bids.

- 30.1 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 the award of contract, without thereby incurring any liability, whatsoever, to the affected bidder or bidders.

31. Notification of award

- 31.1 Before the expiry of the period of bid validity, the purchaser will notify the successful bidder in writing, by registered letter or by fax/e-mail, that its bid has been accepted. The schedule(s) of requirement and the corresponding quantity of the item(s) ordered, which have been accepted, will, inter-alia, be mentioned in the notification.
- 31.2 The notification of award will constitute the formation of the contract.
- 31.3 Upon the successful bidder's furnishing the performance security, pursuant to ITB clause 33, the purchaser will promptly notify each unsuccessful bidder and will discharge its bid security, pursuant to ITB clause 15.

32. Signing of contract.

- 32.1 At the same time as purchaser notifies the successful bidder that its bid has been accepted, the purchaser will send to the bidder by registered post or speed post, the contract form provided in the bidding documents, incorporating all agreements between the parties.
- 32.2 Within 15 days of issue of the contract form by the purchaser, the successful bidder shall sign and date the contract and return it to the purchaser by registered post or speed post.

33. Performance security

- 33.1 Successful bidders should deposit 10% of the FOR delivery amount in the form of demand draft drawn in favour of NSC, New Delhi within 7 days of acceptance of tender offer. The Validity of the performance security deposit must be of sixty days after the date of completion of all contractual obligations including warranty, etc.
- 33.2 Failure of the successful bidder to comply with the requirement of clause 32 or 33 shall constitute sufficient ground for annulment of the award and forfeiture of the bid security, in which event the purchaser may make the award to the next lowest evaluated bidder or call for new bids.

34. A undertaking on Rs. 100, Non-judicial stamp paper stating that the firm is not black listed by any Govt. Department/Institution/Public Enterprises/Undertaking and no arbitration case is lying pending with this office as on date as per Performa attached in Annexure IX.

35. Price preference to Public sector Undertaking:-

- 35.1 The price preference will be given to the produce of Public Sector Enterprises in competition with Private Sector Undertaking in the matter of purchase by Govt. Department/Public Sector Undertakings as per rules.

36. A letter should be given by the tenderers accepting the terms and conditions of the tender.
-

***Need not to be send back
with tender documents***

GENERAL CONDITIONS OF CONTRACT (GCC)

1. Definitions

1.1 In this contract the following terms shall be interpreted as indicated:

- a) “IFB” means Invitation for Bids.
- b) “ITB” means Instruction to Bidders.
- c) “GCC” means General Conditions of Contract.
- d) “RC” means Rate Contract.
- e) “Contract” means a legal agreement entered into between the purchaser and the supplier, as recorded in the agreement signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- f) “Contract Price” means the price payable to the supplier under a contract for the full and proper performance of its contractual obligations.
- g) “Goods” means all the items, materials, equipment and/or machinery, which the supplier is required to supply to the purchaser in terms of a contract.
- h) “Services” means the services ancillary to the supply of the goods, such as transportation and insurance and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other such obligations of the supplier covered under a contract.
- i) “Purchaser” means the buyer named in a bidding document and in the corresponding contract, purchasing the goods ordered and includes its successors and/or assignees.
- j) “Consignee” means the individual or body to whom the contracted goods are required to be delivered as per the terms and the conditions incorporated in a contract.
- k) “Supplier” means the individual or firm supplying the goods under a contract and includes its successor and/assignees.
- l) “Day” means calendar day of the Gregorian Calendar.
- m) “Month” means calendar month or the Gregorian Calendar.

2. Application

2.1 These general conditions of contract (as contained in this section) shall apply to the extent they are not superseded by provisions in other parts of the contract.

3. Country of origin

- 3.1 All goods and services supplied under the contract shall have their origin in India or in the countries, with which the Government of India has trade relations.
- 3.2 For purposes of this clause, “origin” means the place where the goods are mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing and substantial or major assembling of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of goods and services is distinct from the nationality of the supplier.

4. Standard

4.1 The goods supplied under this contract shall conform to the standards mentioned in the ‘Technical Specifications’ authoritative standards as applicable to the goods' country of origin.

5. Use of contract documents and information

5.1 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 the performance of the contract. Also, disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for the purposes of such

- performance.
- 5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information enumerated in GCC sub-clause 5.1 except for the purposes of performing the contract.
- 5.3 Every document other than the contract itself, mentioned in GCC sub-clause 5.1, 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.
- 6. Patent rights**
- 6.1 The supplier shall at all times indemnify the purchaser, free of cost, against all third-party claims of infringement of patent, trade mark or industrial design rights arising from use of the goods or any part thereof in India.
- 7. Performance security**
- 7.1 Successful bidders should deposit 10% of the FOR delivery amount in the form of demand draft drawn in favour of NSC, New Delhi within 7 days of acceptance of tender offer. The Validity of the performance security deposit must be of sixty days after the date of completion of all contractual obligations including warranty, etc.
- 7.2 In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of twelve months from the date of the correction/replacement and the performance security for the proportionate value (which will be determined by the purchaser in consultation with the supplier) shall be extended by 60 days over and above the extended warranty period
- 7.3 In the event of any contract amendment, the supplier shall, within 21(twenty one) days of issue of such amendment, furnish the necessary amendment of the Performance Security, rendering the same valid in all respects in terms of the contract, as amended.
- 7.4 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from supplier's failure to complete its obligations under the contract.
- 7.5 The Performance security shall be denominated in Indian Rupees or in the currency of the contract and be in the form of demand draft drawn in favor of NSC payable at New Delhi within 7 days (One Week) of acceptance of tender offer.
- 7.6 Subject to GCC sub-clause 7.4 above, the performance security will be discharged by the purchaser and returned to the supplier on completion of the supplier's contractual obligation including the warranty obligations under the contract.
- 8. Inspection and tests**
- 8.1 The purchaser and/or its nominated representative(s) shall have the right to inspect and/or to test the goods to confirm their conformity to the contract specification and other technical details incorporated in the contract at no extra cost to the purchaser. The Schedule of Requirements and the Technical Specification, incorporated in the bidding document, shall specify what inspections and tests, the purchaser required and where and how they are to be conducted. The purchaser shall notify, in advance, the supplier in writing, of the identity of any representative(s) for this purpose.
- 8.2 The inspections and tests may be conducted on the premise of the supplier or its sub-contractor(s), at the point of delivery and/or at the goods final destination. If conducted on the premise of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the inspectors at no charge to the purchaser.
- 8.3 Should any inspected or tested goods fail to conform to the required specifications and standards, the purchaser may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser for conducting the inspections and tests again.
- 8.4 Where the contract stipulates pre-dispatch inspection by the purchaser's nominated inspecting agency, the supplier shall put up the goods for inspection to the inspecting agency well ahead of time so that

the inspecting agency is able to complete the inspection within the stipulated delivery period. If the goods are tendered for inspection at the last moment without providing reasonable time to the inspection agency for completing the inspection, the inspecting agency may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the items have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms & conditions of the contract.

- 8.5 The purchaser's right to inspect, test and, where necessary, reject the goods after the goods' arrival at the final destination shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by purchaser or its representatives prior to the dispatch of the goods from the country of origin or from the supplier's premises.
- 8.6 Nothing in GCC clause 8 shall, in any way, release the supplier from any warranty or other obligation under the contract.

9. Packing

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during their transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, humid weather and precipitation during transit and open storage. The sizes and weights of the packing cases shall also take into consideration, where applicable the available inland mode(s) of transport in India, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit. Further, limitations and/or mandatory instructions, if any in the weights, volumes and sizes of the packages shall also be taken care of by the supplier.
- 9.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements if any, as shall be expressly provided for in the contract, including additional requirements, if any, specified in the Schedule of Requirements and any subsequent instructions given by the purchaser.
- 9.3 Packing instruction:
The supplier will be required to make separate packages for each consignee named in the contract. Each package will be marked by the supplier at its own expense, on three sides with indelible ink/paint, with the following details:
- a) Contract No. and date
 - b) Name and address of the consignee
 - c) Name and address of the supplier
 - d) Brief description of goods
 - e) Gross weight and outer dimension of the package
 - f) Country of origin of goods
 - g) Packing list reference no. and
 - h) Any other requirement, relevant to the contract.

10. Delivery of goods

- 10.1 Delivery of the goods shall be made by the supplier within 60 days of receipt of purchase order or in accordance with the terms specified by the purchaser in the notification of award and in the contract.
- 10.2 For the purposes of the contract, "F.O.R delivery at different locations of NSC as per Annexure X" basis and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them in the current edition of "Incoterms" which are International Commercial Shipping Terms, published by International Chamber of Commerce, Paris, France.

11. Transportation

- 11.1 Where the supplier is required under the contract to deliver the goods F.O.R delivery at different locations of NSC as per Annexure X , transportation of the goods, up to and including the point of

- putting the goods on board the vessel at the specified port of loading, shall be arranged and by the supplier and the cost thereof shall be included in the contract price.
- 11.2 The supplier shall not arrange part-shipments and/or transshipment without the prior written consent of the purchaser.
- 11.3 In case the supplier violates any of the aforementioned instructions, the supplier shall be liable for all consequences (including financial loss) that the purchaser may face due to such violations.

12. Insurance

- 12.1 The goods supplied under the contract, shall be fully insured in a freely convertible currency against loss or damage incidental of manufacture or acquisition transportation, storage and delivery as indicated.

13. Distribution of dispatch documents

- 13.1 The shipping and other documents as well as dispatch details to be furnished by the supplier to the purchaser and/or to the purchaser's nominated authorities to enable the purchaser and/or its nominated authorities to clear and/or accept the goods will depend on the mode of dispatch of the goods and the terms of delivery, as specified in the schedule of requirement and the contract and subject to the same, the instructions in this regard will be as indicated below:

a) For goods supplied:

Within 24 hours of dispatch of the goods, the supplier shall notify the complete dispatch details to the purchaser and or the purchaser's nominated authorities (as specified in the contract) and the company. The supplier shall also mail the specified number of copies of the following documents to them.

- i. The supplier's invoice showing contract number, description of goods, quantity, unit price and the total amount;
- ii. Railway receipt or Delivery note
- iii. Packing list identifying contents of each package
- iv. Insurance certificate
- v. Manufacturers/supplier's warranty certificate
- vi. Pre-dispatch inspection certificate issued by the purchaser's authorized/approved inspection agency (if so specified) and the supplier's factory inspection report; and
- vii. Certificate of origin

The purchaser shall receive the documents at least one week before the arrival of the goods (except where it is handed over to the consignee with all the documents) and if not received, the supplier will be responsible for any consequent expenses.

The documents to be provided by the supplier for claiming payment are specified in GCC clause Payment.

14. Incidental services:

- 14.1 The purchaser may include in the contract any or all of the following services and/or some additional services, if specified in the schedule of requirements and the supplier is required to provided the same.
- a) Performance or supervision of onsite assembly and/or start-up of the supplied goods
 - b) Furnishing of tools required for assembly and/or maintenance of the supplied good
 - c) Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods.
 - d) Performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed to by the parties, provided that this service shall not relieve the supplier of any warranty obligations under the contract, and

- e) Training the purchaser's personnel, at the supplier's plant and/on-site, in assembly, start-up operation maintenance and /or repair of the supplied goods.
- 14.2 Prices chargeable by the supplier for the above mentioned incidental services to be included in the quoted price for the goods.

15. Spare parts

- 15.1 As specified in the Schedule of Requirements, the supplier may be required to provide any or all of the following materials, notifications and information pertaining to spare parts manufactured and or distributed by the supplier:
- a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this will not relieve the supplier of any warranty obligation under the contract; and
 - b) in the event of termination of production of the spare parts.
 - i. advance notice to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements and
 - ii. Immediately following such termination, furnishing at no cost to the purchaser, the blueprints, drawings and specifications of the spare parts, if requested.
- 15.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods. Other spare parts and components shall be supplied as promptly as possible but in any case within three months of placement of order and opening the letter of credit.

16. Warranty (on site)

- 16.1 The supplier warrants that the goods supplied under the contract is new unused, of the most recent of current models and incorporated all recent improvement in design and materials unless provided otherwise in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and/or the material used are as per purchaser's specifications) or workmanship or from any act or omission of the supplier, that may develop under normal used of the supplied goods under the conditions prevailing in India
- 16.2 This warranty shall remain valid for 24 months or as specified in the tender after the goods or any portion thereof as the case may be have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser in terms of the contract.
- 16.3 The purchaser shall promptly notify the supplier in writing of any claim arising under this warranty.
- 16.4 Upon receipt of such notice, the supplier shall, with all reasonable speed (or within the period, if specified in the schedule of requirements and the contract), repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the purchaser for the replaced parts/goods thereafter.
- 16.5 In the event of any correction of a defect or replacement of any defective material using the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 months from the date, such corrected/replaced material starts functioning to the satisfaction of the purchaser
- 16.6 If the supplier, having been notified, fails to remedy the defect(s) within a reasonable period (or within the period, if specified in the Schedule of Requirements and the contract), the purchaser may proceed to take 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.

17. Payment

17.1 Payment shall be made in Indian rupees (INR) as per the contract. The supplier shall send its claim (with relevant documents as required) to the appropriate paying authority, as specified in the schedule of requirement and the contract. Before claiming any payment, the supplier shall ensure that all the contractual obligations for claiming the payment have been duly fulfilled.

17.2 The payment shall be made in the following manner on the production of the following documents:
I) Only after installation and commissioning 90% of the contract price shall be paid on receipt and successful installation and commissioning of the goods by the consignee and upon submission of following documents to the paying authority:-

- a) The supplier's invoice showing contract number, description of goods, quantity, unit price and the total amount;
- b) Railway receipt or Delivery note;
- c) Packing list identifying contents of each package;
- d) Insurance certificate;
- e) Manufacturer's/Supplier's warranty certificate;
- f) Pre-dispatch inspection certificate issued by the purchaser's nominated inspection agency, if so specified and the supplier's factory inspection report
- g) Certificate of origin.
- h) Provisional receipt certificate for the corresponding delivery, issued by the consignee; and
- i) Any other document(s) and/or modification of above documents specified in the Schedule of Requirements and the contract.

II) On final acceptance:

The remaining 10% of the contract price shall be paid to the supplier within 30(thirty) days of receipt of its claim, duly supported by the final performance certificate for the corresponding delivery issued by the purchaser's representative.

18. Prices

18.1 Prices charged by the supplier for the goods supplied and the services performed under the contract shall not vary from the prices quoted by the supplier in its bid with the exception of any price adjustment authorized in the Schedule of Requirements.

19. Modification of contract

19.1 The purchaser may at any time, by a written order given to the supplier pursuant to GCC clause 31, make changes and modifications within the general scope of contract in any one or more of the following:

- a) drawings, designs or specifications, where goods to be supplied under the contract are to be specifically manufactured for the purchaser,
- b) the mode of packing
- c) the mode of dispatch
- d) the place of delivery,
- e) the services to be provided by the supplier, and/or
- f) any other area(s) of the contract, depending on the merits of the case.

19.2 If any such change causes an increase or decrease in the cost of, or in the time required for the supplier's performance of any provision under the contract, an equitable adjustment shall be made in the contract price or contract delivery schedule or both, and the contract shall be amended accordingly. Any claim by the supplier for adjustment under this clause must be asserted within 21 (twenty-one) days from the date of the supplier's receipt of the purchaser's amendment/ modification of the contract.

19.3 Subject of GCC sub-clauses 19.1 and 19.2, no variation in or modification of the terms of the contract shall be made except by written amendment signed by both the parties.

20. Assignment

- 20.1 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.

21. Sub Contracts

- 21.1 The supplier shall notify the purchaser in writing of all sub-contracts awarded under the contract, if not already specified in its bid. Such notifications, in its original bid or latest, shall not relieve the supplier from any liability or obligation, whatsoever, under the contract;
- 21.2 Subcontract shall be only for bought-out items and sub-assemblies.
- 21.3 Subcontracts must comply with the provisions of GCC clause 3.

22. Delays in the supplier's performance

- 22.1 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 in the "Schedule of Requirements"
- 22.2 Except as provided under GCC clause 25, any unexcused delay by the supplier in maintaining its contractual delivery obligations shall render the supplier liable to any or all of the following sanctions: Imposition of liquidated damage, Forfeiture of its performance security and/or Termination of the contract for default.
- 22.3 If at any time during the performance of the contract, the supplier or its subcontractor(s) should encounter conditions hindering 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). After the receipt of the supplier's notice, the purchaser, as soon as practicable, shall evaluate the situation and may at its discretion extend the supplier's time for performance, in which case the extension of the delivery period shall be ratified by issuing an amendment to the contract.
- 22.4 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the purchaser for extension of delivery period and obtain the same before dispatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and/or any other expense related to such supply shall lie against the purchaser.

23. Liquidate damages

- 23.1 Subject to GCC clause 25, if the supplier fails to deliver any or all of the goods or perform the service within the time period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% (half percent) of the delivered price of the delayed goods or unperformed services for each week of delay or part thereof until actual delivery or performance, up to maximum deduction of 10% (ten percent) of the delayed goods or services' contract price. Once the maximum is reached, the purchaser may consider termination of the contract, if the same have not been terminated already.

Further, during the above mentioned delayed period of supply and/or performance, the supplier, notwithstanding any stipulation in the contract for increase in price for any ground, shall not be entitled to any increase in price and cost, whatsoever, which take place during the period of delay. But nevertheless, the purchaser shall be entitled to the benefit any decrease in price and cost on any ground during that period of delay.

24. Termination for default

- 24.1 The purchaser, without prejudice to any other remedy for breach of contract, may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s), within the time period specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC clause 22.
- 24.2 In the event the purchaser terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1, the purchaser may procure, upon such terms and conditions and in such manner as it deems appropriate, goods and/or services similar to those undelivered and the supplier shall be liable to the purchaser for any excess cost for such similar goods and/or services. However, the supplier shall

continue to perform the contract to the extent not terminated.

25. Force Majeure

25.1 Notwithstanding the provisions of GCC clauses 22,23 and 24, the supplier shall not be liable for forfeiture of its performance security, liquidated damage 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.

25.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

25.3 If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligation under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force Majeure event.

26. Termination for insolvency

26.1 If the supplier becomes bankrupt or otherwise insolvent, the purchaser may terminate the contract by giving written notice to the supplier, without any compensation to the supplier, provided, that such termination will not prejudice or affect any right of action or remedy which has accrued and/or will accrue thereafter to the purchaser.

27. Termination for convenience

27.1 The purchaser, by written notice sent to the supplier, may terminate the contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that the termination is for the purchaser's convenience, the extent to which performance of the supplier under the contract is terminated, and the date with effect from which such termination becomes effective.

27.2 The goods that are complete and ready for shipment within 30(thirty) 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 effect:

- b) to have any portion completed and delivered at the contract terms and prices; and/or
- c) to cancel the remainder and pay to the supplier an agreed amount for partially completed goods and services and for materials and parts already procured by the supplier for fulfilling the contractual obligations.

28. Resolution of disputes

28.1 If any dispute or difference of any kind shall arise between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.

28.2 If, after thirty (30) 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.

28.3 Any dispute or difference, in respect of which a notice of intention to commence arbitration has been given in accordance with GCC sub-clause 28.2, shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the goods under the contract.

28.4 ARBITRATION

In the event of any dispute arising amongst the parties, the parties agree to use their best efforts to attempt to resolve all disputes in prompt, equitable and good faith. In the event the Parties are unable to do so, then such dispute shall be finally resolved by arbitration. The arbitration shall be conducted

in the English language and the venue of the arbitration shall be in New Delhi.

Settlement of Disputes

All disputes and or differences, whatsoever shall arise between the parties hereto relating to interpretation of any clause of this agreement on the rights, duties or liabilities of either party under this contract or otherwise in connection with these presents, the matter in difference shall be determined by a single arbitrator appoints by CMD, NSCL (CORPORATION) in accordance with the arbitration and conciliation Act 1996 or any statutory enactment in that behalf for time being in force.

28.5 JURISDICTION

The parties hereby irrevocably consent to the sole jurisdiction of the Courts of Delhi only in connection with any actions or proceeding arising out or in relation to this Agreement. No amendment or modification in the terms of this agreement shall be considered valid unless it is in writing and duly signed both the parties.

28.6 The venue of arbitration shall be the place from where the contract is issued.

29. Governing language

29.1 The contract shall be written in English language. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written in English.

30. Applicable law

30.1 The contract shall be interperated in accordance with the laws of India.

31. Notices

31.1 Any notice given by one party to the other pursuant to the contract shall be sent in writing or by cable telex or facsimile and confirmed in writing to the addresses specified in the Schedule of Requirements.

31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

32. Taxes and duties

32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees and other such levies imposed outside India.

32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc. incurred until delivery of the contracted goods to the purchaser.

32.3 Further instruction if, any, shall be as provided in the Schedule of Requirements.

33. An undertaking on Rs. 100, Non-judicial stamp paper stating that the firm is not black listed by any Govt. Department/Institution/Public Enterprises/Undertaking and no arbitration case is lying pending with this office as on date as per Performa attached in Annexure IX.

34. Price preference to Public sector Undertaking:-

34.1 The price preference will be given to the produce of Public Sector Enterprises in competition with Private Sector Undertaking in the matter of purchase by Govt. Department/Public Sector Undertakings as per rules.

35. A letter should be given by the tenderers accepting the terms and conditions of the tender.

NATIONAL SEEDS CORPORATION LIMITED

Beej Bhawan , Pusa Complex

New Delhi – 110 012

Annexure-IX

Affidavit Certificate

I _____(Name, Designation and Address) hereby declaring that my Firm/Company has not been debarred/black-listed by any of the Govt. Department/Govt. Agencies where I had supplied the goods during the last _____years and no arbitration case pending against the Firm/Company.

Signature of Authorized signatory

Name_____

Designation_____

Name of the Firm/Company_____

Full address_____

Rubber stamp_____

Place:_____

Dated:_____

Specifications of Equipment's

1. Cabinet Germinator (Double Chamber)

Specifications:

No. of Chamber	: Two (Both heating and cooling)
Capacity	: 10 Cu ft.
Display	: 2x16 characters alphanumeric LCD Display with backlit
No. of trays	: 2x8 perforated adjustable perforated stainless steel trays with lighting arrangement on both sides
Alarm	: Audio visual alarm for temperature and humidity deviation
Temperature	: PID control 10-45 °C $\pm$ 1° C
Evaporator	: Finned Tube
Chamber	: Inner chamber made of Stainless Steel (SS-304) and outer chamber of M.S. sheet duly painted
Compressor	: Hermetically sealed type of standard make (Kirloskar).
Humidity	: Natural humidity with water inside. Humidity sensor non-condensing type, PT-100
Mounting	: Castor wheel mounted for easy portability
Operating voltage	: 220V
Current	: 50Hz AC-+10%
Quantity Required	: 02 (one each at QCL(C), NSC Bhopal & QCL(E), NSC Kolkata)
Warranty	: Minimum 2 years

2. Supply, Installation, Testing and Commissioning of walk- in-room germinator (20 °C)

S.No.	Particulars	Prescribed Specifications
1.	Working Size:	8' x 8' x 8' (L x W x H)
2.	Insulations for the Room:	60 mm PUF insulated pre fabricated panels (both side anti-corrosive, humidity resistant powder coated galvanised sheet having 42 kg/m ³ density with proper Cam locking, sealing and flashing arrangements.
3.	Door Type:	Puff insulated door (2m x 1m) overlap type with sealed gaskets and locking arrangement having insulated glass hatch window with necessary door closures and locking system. Human trap alarm.
4.	Flooring:	Floor 60 mm thick puff insulated with marine ply on top further flushed with anti skid aluminium chequered sheet.
5.	Room Temperature:	Temperature Range inside the seed germination chamber should be maintained using commercially designed Air Conditioning units with standby compressors and sequential operational facility. Evaporators should be duly designed in a 304 SS enclosures. Condensing unit (UV and corrosion resistance) should comprise of internally grooved copper tubing with mechanically bonded aluminium fins, HP/LP, Suction discharges valves, Dries and other safety ancillaries designed at 45°C ambient. Temperature Range: 20 $\pm$ 2°C through out the year. Pull down time should be 10-12 Hrs.
6.	Relative Humidity:	Relative humidity should be maintained up to 90% using Ultrasonic Humidifiers, Ultrasonic Frequency: - 1700 $\pm$ 40 KHz, Ceramic Disc size: Φ 20mm. Titanium Coated. Mist Generation > 900 ml/Hr. Stainless Steel enclosure with automatic water feeding arrangements and fiber filter.
7.	Light Source:	Chamber should be provided with IP65 LED lamps fixture on inner side with individual ON/OFF switch.
8.	Control Panel:	Microprocessor Composite Control Panel (Temperature

		±2°C and Humidity ±3%, with individual indicators for each operation having individual circuit breakers and safety devices, OV/UV, timer to operate two compressors alternately keeping one as standby. RS485 communication port, single phase preventer.
9.	Alarm:	Safety Audio/Visual Alarm system should also be provided for higher temperature ranges.
10.	Electrical Wiring:	All electrical wiring should be of ISI and FR grade (Polycab / RR Cable / Finolex make).
11.	Racks:	2 (Two) galvanised mobile racks with castor wheels having 4 illuminating shelves in each Rack with continuous light of 2000 lux. (Size of each shelf: 50" x 18", shelf to shelf distance 15").
12.	Product to be used:	All type of seeds.
13.	Technical Literature:	The firm positively must submit illustrated technical literature/leaflet indicating the model quoted by them. All equipment should be ISO certified.
14.	Other Conditions:	1. Agency should have at least 3 years of good standing in the market and ISO & CE certified. 2. Agency should have the expertise of having supplied and maintained walk-in-room germinator. 3. The agency shall do full installations of the walk-in-room germinator.
15.	Note:-	The walk-in- room germinator should be made in such a manner that it can be dismantled in modules and panels are easily shifted and re-erected at any other locations.
16.	Warranty:	Minimum 5 years.
17.	Quantity Required:	2 nos. (one each at QCL(C), NSC Bhopal and CSF Suratgarh).

3. Supply, Installation, Testing and Commissioning of walk- in-room germinator (30 °C)

S.No.	Particulars	Prescribed Specifications
1.	Working Size:	8' x 8' x 8' (L x W x H)
2.	Insulations for the Room:	60 mm PUF insulated pre fabricated panels (both side anti-corrosive, humidity resistant powder coated galvanised sheet having 42 kg/m ³ density with proper Cam locking, sealing and flashing arrangements.
3.	Door Type:	Puff insulated door (2m x 1m) overlap type with sealed gaskets and locking arrangement having insulated glass hatch window with necessary door closures and locking system. Human trap alarm.
4.	Flooring:	Floor 60 mm thick puff insulated with marine ply on top further flushed with anti skid aluminium chequered sheet.
5.	Room Temperature:	Temperature Range inside the seed germination chamber should be maintained using commercially designed Air Conditioning units with standby compressors and sequential operational facility. Evaporators should be duly designed in a 304 SS enclosures. Condensing unit (UV and corrosion resistance) should comprise of internally grooved copper tubing with mechanically bonded aluminium fins, HP/LP, Suction discharges valves, Dries and other safety ancillaries designed at 45°C ambient. Temperature Range: 30± 2°C through out the year. Pull down time should be 10-12 Hrs.
6.	Relative Humidity:	Relative humidity should be maintained up to 90% using Ultrasonic Humidifiers, Ultrasonic Frequency: - 1700±40 KHz, Ceramic Disc size : Φ 20mm. Titanium Coated. Mist Generation > 900 ml/Hr. Stainless Steel enclosure with automatic water feeding arrangements and fiber filter.
7.	Light Source:	Chamber should be provided with IP65 LED lamps fixture on inner side with individual ON/OFF switch.
8.	Control Panel:	Microprocessor Composite Control Panel (Temperature ±2°C and Humidity ±3%, with individual indicators for each operation having individual circuit breakers and safety devices, OV/UV, timer to operate two compressors alternately keeping one as standby. RS485 communication port, single phase preventer.
9.	Alarm:	Safety Audio/Visual Alarm system should also be provided for higher temperature ranges.
10.	Electrical Wiring:	All electrical wiring should be of ISI and FR grade (Polycab / RR Cable / Finolex make).
11.	Racks:	2 (Two) galvanised mobile racks with castor wheels having 4 illuminating shelves in each Rack, with continuous light of 2000 lux. (Size of each shelf : 50" x 18", shelf to shelf distance 15").
12.	Product to be used:	All type of seeds.
13.	Technical Literature:	The firm positively must submit illustrated technical literature/leaflet indicating the model quoted by them. All equipment should be ISO certified.
14.	Other Conditions:	1. Agency should have at least 3 years of good

		standing in the market and ISO & CE certified. 2. Agency should have the expertise of having supplied and maintained walk-in-room germinator. 3. The agency shall do full installations of the walk-in-room germinator. 4. The rate quoted should be inclusive of all as per site locations/conditions. 5. Warranty minimum 5 years.
15.	Note:-	The walk-in-room germinator should be made in such a manner that it can be dismantled in modules and panels are easily shifted and re-erected at any other locations.
16.	Warranty:	Minimum 5 years.
17.	Quantity Required:	2 nos. (one each at QCL(C), NSC Bhopal and CSF Suratgarh).

4. Hot Air Oven

Specifications:

Construction	:Double walled construction with thick glass wool insulation complete with digital temperature display and controller
Electronics	: Microcontroller based digital display of temperature
Alarm	: Audio visual alarm for temperature deviation
Temperature	: Ambient to 250°C $\pm$ 1° C
Inner chamber size	: 60 x 60 x 60 cm; made of stainless steel
Operating voltage	: 220V
Current	: 50Hz AC-+10%
Quantity Required	: 02 (one each at QCL(N), NSC New Delhi and CSF Suratgarh)
Warranty	: Minimum 2 years

5. Supply, Installation, Testing and Commissioning of controlled seed storage (walk-in-type)

S.No.	Particulars	Prescribed Specifications
1.	Working Size:	8' x 8' x 8' (L x W x H)
2.	Insulations for the Room:	60 mm PUF insulated pre fabricated panels (both side anti-corrosive, humidity resistant powder coated galvanised sheet having 42 kg/m ³ density with proper Cam locking, sealing and flashing arrangements.
3.	Door Type:	Puff insulated door (2m x 1m) overlap type with sealed gaskets and locking arrangement having insulated glass hatch window with necessary door closures and locking system. Human trap alarm.
4.	Flooring:	Floor 60 mm thick puff insulated with marine ply on top further flushed with anti skid aluminium chequered sheet.
5.	Room Temperature:	Temperature Range inside the seed germination chamber should be maintained using commercially designed Air Conditioning units with standby compressors and sequential operational facility. Evaporators should be duly designed in a 304 SS enclosures. Condensing unit (UV and corrosion resistance) should comprise of internally grooved copper tubing with mechanically bonded aluminium fins, HP/LP, Suction discharges valves, Dries and other safety ancillaries designed at 45°C ambient.

		Temperature Range: 10± 2°C through out the year. Pull down time should be 10-12 Hrs.
6.	Relative Humidity:	Relative humidity should be maintained 35± 5 RH using desiccant dehumidifier.
7.	Light Source:	Chamber should be provided with IP65 LED lamps fixture on inner side with individual ON/OFF switch.
8.	Control Panel:	Microprocessor Composite Control Panel (Temperature ±2°C and Humidity ±5 RH, with individual indicators for each operation having individual circuit breakers and safety devices, OV/UV, timer to operate two compressors alternately keeping one as standby. RS485 communication port, single phase preventer.
9.	Alarm:	Safety Audio/Visual Alarm system should also be provided for higher temperature ranges.
10.	Electrical Wiring:	All electrical wiring should be of ISI and FR grade (Polycab / RR Cable / Finolex make).
11.	Racks/Boxes:	2 racks are required. Each rack should be provided with 25 boxes for storing the guard samples of seed. The dimension of each box is height 12 inches, length 22 inches and width 12 inches. The boxes should be with open able lids (storing capacity of each box should be 25 kgs). The racks and boxes should be made of painted galvanized steel and equally distributed in the seed storage chamber. Each rack to be provided with 4 nos. castor wheel for easy movement.
12.	Application/Product to be used:	All type of seeds.
13.	Technical Literature:	The firm positively must submit illustrated technical literature/leaflet indicating the model quoted by them. All equipment should be ISO certified.
14.	Other Conditions:	1. Agency should have at least 3 years of good standing in the market and ISO & CE certified. 2. Agency should have the expertise of having supplied and maintained walk-in-room germinator. 3. The agency shall do full installations of the walk-in-room germinator. 4. The rate quoted should be inclusive of all as per site locations/conditions.
15.	Note:-	The walk-in- room controlled seed storage should be made in such a manner that it can be dismantled in modules and panels are easily shifted and re-erected at any other locations.
16.	Warranty:	Minimum 5 years.
	Quantity Required:	1 no. at QCL(C), NSC Bhopal

6. Digital Temperature and Humidity Indicator cum controller

Specifications:

- The temperature and humidity control panel should have digital temperature and humidity indicator cum controller;
- The panel should be fabricated with mild steel duly powder coated and should be mounted outside the room.
- It should be provided with external PT-100 sensor for sensitive control of temperature and sensor unit should be provided inside the room of dimension of approx.15 ft x 9 ft x 10 ft (lxbxh) for QCL(N), NSC New Delhi and 11 ft x 11 ft x 9 ft (lxbxh) for QCL(S), NSC Secunderabad.
- The control panel should be able to control AC of 1-1.5 ton & heating unit.
- Quantity required: 02 (One each at QCL(N), NSC New Delhi and QCL(S), NSC Secunderabad).
- Warranty: Minimum 2 years

7. pH and electrical conductivity meter

Specifications:

pH and electrical conductivity meter	: pH and electrical conductivity meter with pH, conductivity/temperature probe
Range (pH)	: 2.00 to 14.00
Range (Conductivity)	: 0 to 199.9 mS
Range (TDS)	: 0 to 200 ppt
Range (Temperature °C)	: 10 to 110
Resolution (pH)	: 0.1/0.01
Resolution (Temperature)	: 0.1
Resolution (Conductivity)	: 0.01, 0.1 µS; 0.001, 0.01, 0.1 mS
Resolution (TDS)	: 0.01, 0.1 ppm; 0.001, 0.01, 0.1 ppt
Accuracy (pH)	: ± 0.01 pH
Accuracy (Temperature)	: ± 0.5 °C
Accuracy (Conductivity)	: $\pm 1\%$ full-scale
Accuracy (TDS)	: $\pm 1\%$ of reading
Temperature compensation	: Automatic
Display	: LCD, Dual display allows to read both measured parameter and temperature at a glance. Water-resistant membrane keypad
Calibration	: Up to 5 points
Waterproof	: Yes
Calibration solutions	: All required calibration solutions of pH (4.00, 7.00 and 10.00) and conductivity (lower, middle and upper level) provided by the supplier
Adaptor	: Universal 100/240 VAC power supply, power adapters and electrode stand
CE Compliance	: Yes
Quantity required	: 01 at QCL(N), NSC New Delhi
Warranty	: Minimum 2 years

8. Digital Moisture Meter

Specifications:

Type	Handy
Commodity	: All type of seeds viz. cereals, pulses, vegetables, millets, etc.
Consistency	: $\pm 0.2\%$
Display	: Digital, LED/LCD display
Principle of measurement	: Resistance
Calibration	: Auto calibration and error calibration facility
Data Logging	: It should have facility to record data
Data Storage Capacity	: It should have memory of at least 200 readings
Port	: RS 232 port for printer/computer
Weight	: Light weight
Quantity required	: 04 [QCL(N), NSC New Delhi, QCL(C), NSC Bhopal and QCL(E), NSC Kolkata and QCL(W), NSC Pune]
Warranty	: Minimum 2 years

9. Seed Herbarium/Display Model

The seed herbarium model should be made of thick acrylic and have 48 big cavities.

The size of the cavity is 5" x 5" dia.

Quantity required: 24 (4 sets for each of the 6 QCLs i.e. QCL(N), NSC New Delhi, QCL(C), NSC Bhopal, QCL(E), NSC Kolkata, QCL(W), NSC Pune, QCL(S), NSC Secunderabad and CSF Suratgarh Laboratory.

Warranty: Minimum 2 years

10. Counting Boards

Specifications:

Material	: Sunmica and plywood
Feature	: Each 2 piece tray features a spring loaded encasement to allow quick, uniform discharge of seeds.
Holes	: 50 holes for Peas and 100 holes for soyabean, okra, maize, etc.
Size of board	: 40-45 cm x 23-25 cm x 2.5 cm (LxBxH)
Hole size	: 6mm x 6mm for okra : 7mm : x 7mm for soyabean small seeded : 8mm x 8mm for soyabean bold seeded : 10 mm x 10 mm for maize small seeded : 12mm x 12 mm for peas and chick-pea : 13mm x 13mm for maize bold seeded
Quantity required	: 3 each for okra, peas and chickpea (2 sets for QCL(N), NSC New Delhi and 1 set for QCL(C), NSC Bhopal) and 4 each for maize small seeded and bold seeded & soyabean small and bold seeded (2 sets each for QCL(N), NSC New Delhi & QCL(C), NSC Bhopal) Total: 25

11. Sample storage boxes and racks:

Specifications:

Rack	: Each rack should be provided with 25 boxes (5 x 5). The dimension of each box is height 12 inches, length 22 inches and width 12 inches. The boxes should have open able lids. Each rack to be provided with 4 nos. castor wheel for easy movement.
Material	: The construction material will be painted galvanised steel.
Quantity required	: Total 6 racks with 25 boxes each (150 boxes) for QCL(N), NSC Delhi

12. Single Pan Balance (top loading)

Specifications:

Range	: 0.1 gm to 5 kg
Display	: LED/LCD
Other features	: Microprocessor controlled, die cast housing, fore facility, overload protection
Quantity required	: 02 (one each for QCL(C), NSC Bhopal and QCL(S), NSC Secunderabad
Warranty	: Minimum 2 years

13. Refrigerator

Specifications:

Capacity	: 350 Litre
Model	: Frost free, double door
Voltage range at 40°C	: Capable of working on 220V $\pm$ 12% A.C., 50Hz
Power source	: 220V, 50Hz
Insulation	: Puff/Maxi2/Polyurethane
Compressor	: Power saver compressor
Energy rating	: 4 star and above
Accessories required	: Adjustable toughed glass shelves, temperature controller, humidity controller and all standard accessories as per manufacturer catalogue
Stabilizer	: 1 KVA stabilizer should be provided along with refrigerator
Alarm	: Open door alarm
Pedestal trolley	: One trolley
Quantity required	: 02 (one each at QCL(N), NSC New Delhi and CSF Suratgarh Laboratory)
Warranty	: Minimum 03 years comprehensive warranty and minimum 5 years on compressor

14. Binocular Stereoscopic Microscope

Specifications:

Optics	: Parallel Optics Zooming System
Total Magnification	: 5X-300X(with various combination)
Eyepiece Tube	: Standard Binocular
Eyepiece Inclination	: 30°-45° for fatigue free viewing during long hours use
Interpupillary Distance	: 48-75 mm (1.9-3.0 inches)
Eyepiece	: CW-10X (F.N. 22) (with diopter adjustment on both eyes)
Zoom Range	: 1X-6.5X
Zooming Ratio	: 6.3:1 or better
Objectives	: Plan 0.75X-1X
Working Distance	: 78 mm or higher
Zooming Knob	: Continuous or with stops facility
Illumination System	: Halogen/LED illumination (6v/12v, 20W)
Quantity Required	: 01 for CSF, Suratgarh Laboratory
Warranty	: Minimum 2 years

15. Illuminated Stand Magnifier

Specifications:

Stand	: It should be provided with versatile stand
Illumination	: 22W energy saver bright ring/circular lamp
Lens diameter	: Large; 120-130 mm
Quantity required	: 02 (one each for QCL(C), NSC Bhopal and CSF Suratgarh)
Warranty	: Minimum 2 years

16. Analytical Balance

Specifications:

Calibration	: Auto calibration
Readability	: 0.1 mg
Maximum capacity	: 520 g
Repeatability	: ± 0.1 mg (Standard deviation $\pm .001$ g)
Tare Range (Subtractive)	: Full of capacity
Calibration	: Internal calibration facility (in built calibration)
Weighing pan	: Suitable weighing pan
Response Time	: 2.5 sec or less
Selectable weighing units	: gm and mg
Port	: Standard RS-232 C interface
Operating temperature	: 5 to 40° C
Display	: LCD (Easy to read large backlite LCD display with advanced eye protection)
Other features	: Provided with weighing chamber and AC adaptor
Complies	: ISO, GLP/GMP
Quantity required	: 01 for QCL(W), NSC Pune
Warranty	: Minimum 2 years

17. Thermometer (Dry bulb)

Specifications:

Type	: Mercury-in-glass, solid stem type with enamel back having a range from –35°C to +55°C
Graduation interval	: 0.5 °C
Accuracy	: $\pm 0.2^{\circ}\text{C}$
Scale error, degree Celsius, max	: Below 0°C: -0.3 to + 0.2 : Above 0°C:-0.2 to + 0.1
Dimensions of plastic scale	: 275 mm (length)x 35 mm(width)x 3mm (thickness)
Mount	: The thermometer shall be fixed to the scale by two brass staples and the staples shall not cover any of the graduation marks and the centre of the lower staple shall not be less than 5 mm above the lower edge of the mount. The scale shall be embedded in a piece of seasoned wood 275 mm x 50 mm x 15 mm so that the upper surface of the mount and scale are at the same level. The scale with thermometer shall be fixed to the right side of the mount. The thermometer should be suitably mounted as per drawings given in IS:5681 – 1992. Each mounted thermometer with mount may be supplied in a wooden case with a hinged lid, of outer dimensions 320 x 60 x 20 mm.
Quantity required	: 02 for QCL(N), NSC New Delhi

Address of NSC Laboratories:

S.No.	Laboratory Name	Address
1.	QCL(N), New Delhi	National Seeds Corporation Limited, Beej Bhawan, Pusa Complex, New Delhi-110012 Phone: 011-25840129
2.	QCL (C), Bhopal	National Seeds Corporation Limited, 48-49, Sector-B, Industrial Estate, M.P., Govindpura, Bhopal-462023 Phone: 0755-2580638
3.	QCL(E), Kolkata	National Seeds Corporation Limited, Sector IV & V, Block-AQ, Plot No. 12, Salt Lake City, Kolkata-700091 Phone: 033-23671076
4.	QCL(W), Pune	National Seeds Corporation Limited, 681-690, Gultekdi, Market Yard, Pune-411037 Phone: 020-24272839
5.	QCL(S), Secunderabad	National Seeds Corporation Limited, 17-11, Tukaram Gate (Lalaguda North), Secunderabad-500017 Phone: 040-27735729
6.	Laboratory, CSF Suratgarh	National Seeds Corporation Limited, Central State Farm, Suratgarh, Sriganganagar-335804 Phone: 01509-220084