

NATIONAL SEEDS CORPORATION LIMITED

(A Government of India Undertaking)

Beej Bhawan, Pusa Complex,

New Delhi-110012.



COMPETITIVE BIDDING NO. (CBE-XII)

TENDER DOCUMENT FOR SUPPLY, INSTALLATION AND COMMISSIONING

of

8 TPH CAPACITY SOYBEAN SEED PROCESSING PLANT AT CHITORGARH AND KOTA ,

8 TPH CAPACITY (Wheat Basis) PADDY SEED PROCESSING PLANT AT NANDYALAND WARANGAL

and

OTHER SEED PROCESSING & SUPPORTING MACHINES FOR OTHER PLANTS

ON TRUNKY BASIS

LAST DATE & TIME FOR RECEIPT OF BIDS : UP TO 13.00 hrs of 15.10.2013

DATE & TIME OF OPENING OF BIDS : AT 15.00 hrs of 15.10.2013

**NATIONAL SEEDS CORPORATION LIMITED
(A GOVERNMENT OF INDIA UNDERTAKING)
BEEJ BHAVAN, PUSA COMPLEX,
NEW DELHI-110012**

TENDER DOCUMENT

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

No.12 (2)/NSC-Engg/CBE-XII- Main)/2013-14

Dated: 19.09.2013

NOTICE INVITING TENDER: CBE-XII

**FOR SUPPLY, INSTALLATION AND COMMISSIONING
of
8 TPH CAPACITY SOYBEAN SEED PROCESSING PLANT AT CHITORGARH AND KOTA,
8 TPH CAPACITY (Wheat Basis) PADDY SEED PROCESSING PLANT AT NANDYAL AND WARANGAL
and
OTHER SEEDS PROCESSING & SUPPORTING MACHINES FOR OTHER PLANTS
ON TRUNKY BASIS**

National Seeds Corporation Ltd. invites sealed Tenders from reputed manufacturers/suppliers for supply, installation and commissioning of 8 TPH capacity Soybean Seeds Processing Plant at Kota and Chittorgarh, 8 TPH capacity (Wheat Basis) paddy seeds processing plant at Nandyal and Warangal and other Seeds processing & supporting plant machines for other plants on Trunkey Basis.

1. Tender documents can be obtained from the office of General Manager (Engg) National Seeds Corporation Ltd., Beej Bhawan, Pusa Complex, New Delhi-110012 on payment of Rs.1000/- (non-refundable) in cash/demand draft in favor of the National Seeds Corporation Ltd. payable at Delhi/ New Delhi between 11:00 hrs. to 16:30 hrs. on all working days. Sale of tender document from Office will commence w.e.f. 23.09.2013 and will be stopped on 15.10.2013 at 12.00 hrs.

OR

The tender document is also available in NSC's web site www.indiaseeds.com and Central Procurement Portal www.eprocure.gov.in . The Tenderer, downloading the Tender Document from web site, shall be required to deposit the cost of tender form by cash or DD and submit its proof. The demand draft may be submitted in a separate envelope along with tender.

2. Complete tender along with the requisite amount of **EMD @ 2% of quoted value of the offer or maximum Rs.10.00 lakh (Rs. Ten lakhs only)** shall be received in the office of General Manager (Engg), National Seeds Corporation Ltd., Beej Bhawan, Pusa Complex, New Delhi upto 13.00 hrs on-15-10-2013. The technical part of bids shall be opened on the same day at 15.00 hrs. in the presence of desirous tender(s). The Price bids of the commercially & technically qualified bidders shall be opened subsequently for which date and time shall be intimated separately.
3. Tenderers should be submitted both Technical bid and Price bid strictly as per instructions to tenderers given in Part-A of the tender documents.
4. Tender not accompanied with requisite amount of EMD and not submitted as per instructions contained in the tender document are liable for rejection.
5. SSI units under MSME (Micro, Small or Medium Enterprises) registered with District Industries Center (Govt. of India), NSIC for the quoted item under single point registration scheme are exempted from payment of cost of tender document and EMD as well as entitle 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.
6. The Bidders have to sign '**Integrity Pact**' with NSC.
7. NSC reserves the right to accept or reject any one or all tenders without assigning any reason.

General Manager (Engg.)

PART-A

NATIONAL SEEDS CORPORATION LTD.

SECTION - I

INSTRUCTIONS TO TENDERER

1. **ADVICE FOR TENDERS:** -The tenderers are advised in their own interest to carefully read the tender documents and understand their purport unless the tenderer specifically states to the contrary in respect of any particular clause, it shall be presumed that he accepts all the terms and conditions as have been laid down in the tender document.
2. **ELIGIBILITY CRITERIA:** - Tenderers interested to quote against this tender must quote for complete line containing all equipment for the plants covered in a section i.e. 1A and 1B of section 1, Part "B". However, offer will be treated valid even, if one complete line of plant is offered in the tender. Tenderer should furnish all valid and required documents as per Section III annexure "A" of Part "A" for Tender to full fill the requirement criteria of eligibility. However a bid for supply of partial items covered under 1C of Section 1 part B of the tender Document are eligible for participation in the tender .But ,it should be indicated clearly the section for which bid is being submitted in the Technical Part of the Bid. If not indicated, then tender will be treated in valid for entire tendered qty.
3. **SUBMISSION OF OFFER:** - Offer must be submitted in the prescribed tender form provided in part "A" of the tender document at Section-III. The tenderer may attach additional sheets to the tender form wherever detailed description is necessary. Only that party should tender who accepts all the terms & conditions because conditional tender may be treated as void.
4. **DEVIATION IN SPECIFICATION:** - Normally no deviation from the specification laid-down in part "B" will be accepted. However, if the tenderer feels that he can supply equivalent or better items, which shall fulfill the requirement of NSC with different specifications, the tenderer should describe as to what respect and to what extent the item offered by them deviate from the specification even though deviation may be minor and how it will meet requirement.
5. **DELIVERY OF GOODS:**-The delivery period so specified in clause no.5 of section –II will be the essence of the contract. It would be clearly understood that any delay in delivery will cause unascertainable damages to the Corporation. Only those parties should tender who are in a position to stick to the delivery prescribed. Their attention is also invited to clause-14 of section-II relating to liquidated damages which shall be binding.
6. **PRINTING LANGUAGE:**-The tenderers should enclose with their offers descriptive catalogues, leaflets and engineering drawings supplementing the description and point out any special features/advantages of their equipment quoted. All the literatures, leaflets engineering drawings etc. should be in English/Hindi or accompanied by English/Hindi translation in case the language is other than English/Hindi. This should be adhered to, strictly to enable objective evaluation of offers.
7. **TEST REPORT or LIST OF USERS:**-Tenderers should also enclose with their offers the test reports from any recognized agency with respect to their equipment. In case the equipment do not have any test report, the tenderers may furnish the list of actual users of the equipment with their full & complete details for reference.
8. **ACCESSORIES & FITTINGS and ANNUAL MACHINERY MAINTENANCE CONTRACT:-**

The tenderer should indicate the followings separately in summary form:

 - (a) Accessories and fittings which are standard with the equipment as well as such of the accessories/fittings which though not considered standard, are included in the scope of supply and include in the price bid.
 - (b) Accessories/ fittings which may occasionally or frequently be required but have been specifically excluded by the tenderer from the scope of supply and should quote their price separately.
 - (c) Annual site Machinery Maintenance contract of machineries of plant offered in the tender for next three years after expiry of performance guarantee as per section III part "B" of Tender Document should quote

their rate separately. The rate should be quoted location wise and plant wise. However, this may or may not form part of Purchase decision.

9. SPARE PARTS:-The list of spare parts with cost of individual item required for various equipment should be submitted separately along with the offer. It should include such quantity of operational spare parts as is required for smooth running of the equipment for 12 months from the date of commissioning.

10. QUOTATION OF PRICES: - Tenderer shall give a final firm and net per unit price free from all escalation. Request for increase in price will under no circumstances be considered after opening of the tender. For the purpose of comparison and evaluation of bids, the tenderers are required to quote their rate items-wise, job wise for entire work on Trunkwise basis as indicated in the Section -1 of part- "B" of the tender documents and should be given strictly in a manner as indicated in the annexure- 'B' of Section-III of the part 'A' of the tender document, as under:

A) The rates should be quoted for the offered items on the basis of F.O.R. Destination door delivery as specified in Section-II part "B" inclusive of all taxes (including VAT, Turnover Tax Modvat, Service Tax etc), Duties (Excise, Special Excise, Cess etc), Other tax (Octroi etc), Packing & Forwarding charges etc. The Corporation is in a position to issue "C" Form for supplies made, if applicable. The inspection, Verification and Testing charges will be borne by NSC and hence these charges should not be included in the rate offered. In case of full truck load/part load F.O.R. Destination will mean delivery at NSC's Godown at the destination station.

In case, the Corporation requires the material at some other destination station other than specified in Section-II Part "B" referred to above and in case the distance of such new destination station from the supplier's place of dispatch is higher than the distance between supplier place of dispatch to the highest distance among the destination prescribed in Section-II referred to above, corporation shall be prepared to pay any extra transportation charges on proportionate basis.

B) If the rates quoted by tenderer are exclusive of sales tax, general tax, central sales tax or any other taxes or levies, which are payable in addition, the exact rate at which they are payable should be shown clearly in the tender. In the absence of clear indication that these levies are payable in addition to the rates quoted, it will be assumed that rates are inclusive of all taxes and no extra taxes will be paid. If 'C' Form or any other Form is required, it should be clearly indicated in the tender.

11. PRINTED TERMS & CONDITIONS OF TENDERING FIRM: - Printed terms and conditions of the tender shall not be considered and the same shall not be binding or become part of the contract unless any of such terms is specifically laid down by the tenderer in the tender and accepted by the Corporation in writing. Except to the extent stated above, it will be deemed that the printed terms and conditions of the tendering firms have been rejected by the Corporation.

12. EARNEST MONEY: EMD 2% of value of the offer or maximum Rs. 10,00,000/- (Rs. Ten Lakh).

(a) By means of attaching a **Demand Draft drawn on scheduled Commercial Bank** payable at New Delhi/Delhi in favor of NSC Ltd., **CHEQUE WILL NOT BE ACCEPTED.**

EMD shall be placed in the envelope **super scribed technical & commercial bids:**

(b) Exemption of earnest money deposit for Indian Manufacturers which are registered with NSIC under Single point registration scheme, Indian manufacturers/suppliers who are Micro Small Medium Enterprises (MSME) small scale units and registered with National Small Industries Corporation under single point registration scheme are exempted from payment of earnest money deposit provided to furnish photocopy of valid registration with NSIC under the single point registration scheme, for the quoted stores in support of claim along with their request letter. This facility will, however, not be provided to those small scale units who are registered under the old registration scheme which was extended up to 30th June, 1981 only.

OFFERS OF THE FIRMS OTHER THAN (MSME) SMALL SCALE INDUSTRIES AS DEFINED ON 'B' AS ABOVE NOT ACCOMPANIED BY EMD WILL BE SUMMARILY REJECTED. OFFERS OF THE (MSME) SMALL SCALE INDUSTRIES NOT REGISTERED WITH NSIC FOR THE QUOTED ITEM UNDER SINGLE POINT REGISTRATION SCHEME AFTER 30TH JUNE 1981 AND NOT ENCLOSING THE VALID DOCUMENTARY PROOF IN SUPPORT OF THEIR CLAIM WITH THEIR REQUEST LETTER SHALL ALSO BE REJECTED.

NO ADJUSTMENT OF EMD FROM THE DUES, IF ANY, AVAILABLE WITH THE CORPORATION, AGAINST THE SUPPLIES MADE BY THE SUPPLIER IN THE PAST SHALL BE ALLOWED. TENDERS WITH SUCH REQUEST AND NOT ACCOMPANIED WITH REQUISITE AMOUNT OF EMD FREE FROM ANY ADJUSTMENT SHALL BE SUMMARILY REJECTED.

The public Sector Undertakings are also exempted for the deposit of EMD, subject to their submission of a Bond from LIC on the basis of which banks will issue Counter guarantee.

Any Tender not secured in accordance with **paras 12.a & 12.b above will be rejected by the purchaser as non-responsive.**

13. FORMAT AND SIGNING OF TENDER: - (a) Tenderers are required to submit their tender as per the prescribed Proforma given in the tender document. The Tender prepared by the bidder and all correspondence and documents relating to the tender exchanged by the tenderer and purchaser, shall be written in the English/Hindi languages. Each copy of the tender should be completed in all respect **and should preferably be bound in one column.** All pages of the tender and enclosures should be numbered consequentially and shall be signed by the Tenderer or a person or persons duly authorized to bind the Tender to the Contract. The letter authorization shall be indicated by written power of attorney accompanying the Tender.

(b) All pages of the Tender except for unamended printed literature shall be initialed by the person or persons signing the Tender with stamp.

(c) The bid shall contain no interlineations erasures or overwriting except as necessary to correct errors made by the tenderer, in which case such corrections shall be initialed by the person or persons signing the bid.

14. PROCEDURE FOR SUBMISSION OF TENDER: - The Tenderers shall seal the tender in separate inner envelopes, duly marking the envelopes as **“Technical & Commercial Bid”** and **“Price Bid”**. These envelopes then place in **an outer envelope.**

Technical & Commercial Bid envelope shall include technical specifications of quoted item, Duly filled Tender Form–Section-I, Instruction to Tenderer, Terms and Conditions of contract as per Section-I & II of Part ‘A’ of tender document, requisite EMD, profile of the company as per Annexure-A of Section-III Part ‘A’ along with documents as per the check list and other document if any in support of offer. **All papers should be initialed with stamp by the person or persons signing the bid.**

PRICE BID Envelope containing of prices as per clause-10 of Section-I Part-“A” in a prescribed Proforma given in Annexure-B Section-III Part ‘A’ of the tender document.

All inner envelopes shall be placed in an outer sealed envelope addressed to **General Manager (Engg), National Seeds Corporation Ltd., Beej Bhavan, Pusa Complex, New Delhi-12** and super scribing thereon **“TENDER FOR “SUPPLY ,INSTALLATION & COMMISSIONING OF SEEDS PROCESSING PLANT & ITS MACHINES ON TRUNKY BASIS “ ,TENDER NO. & DATE OF OPENING, THE WORDS “DO NOT OPEN BEFORE -----HOURS ON----- SHALL ALSO BE STATED ON THE OUTER ENVELOPE.**

THE INNER ENVELOPE CONTAINING THE **“TECHNICAL & COMMERCIAL BIDS”** AND **“PRICE BID”** shall also be super scribed thereon **“Technical & commercial Bids”** and **“Price Bids”** as the case may be and **addressed to the purchaser and name & Address of the Tenderer.**

THE OUTER ENVELOPE SHALL INDICATE THE NAME & ADDRESS OF THE TENDERER TO ENABLE TO BE RETURNED UNOPENED IN CASE IT IS DECLARED **“LATE “.** If outer Envelope is not sealed and marked as required above, the purchaser will assume no responsibility for the **bid’s misplacement or premature opening.**

The tenders not complying with the manner prescribed herein are liable for rejection straight away.

15. MODIFICATION AND WITHDRAWAL OF TENDER: - The tenderer may modify or withdraw it’s tender after the tender’s submission, provided that written notice of the modification or withdrawal is received by the purchaser prior to the deadline prescribed for submission of tenders.

16. DEADLINE FOR SUBMISSION OF TENDERS:- Tender must be received by the purchaser/Corporation at address specified under Clause 14 above, no later than time and date specified in the invitation for tender. In the event of the specified date for the submission of bids being declared a holiday for the purchaser, the Tender will be received upto the appointed time on the next working day.

- 17. LATE TENDER:** - Any Tender Received by the purchaser/Corporation after deadline for submission of tender prescribed by the purchaser, pursuant to NIT/Tender Document/any amendment will be rejected and/or returned unopened to the Tenderer.
- 18. OPENING OF TENDER:** - The purchaser/Corporation will open tenders, in the presence of Tenders or tenders' representatives who choose to attend at specified time & date in the NSC registered office, New Delhi. The envelope containing the "Technical & Commercial bids" shall be opened on the date of opening tender and "Price Bids" of tender only be opened based upon an examination of the documentary evidence submitted in technical & Commercial bid for the Tenderer's qualification by the tenderer, as well as such other information as the purchaser/Corporation deems necessary and appropriate, found in order, date of opening of Price bid will be informed separately.
- 19. CLARIFICATION OF BIDS:** - To assist in the examination, evaluation and comparisons of tenders, the purchaser may at it's discretion, ask the tenderer for clarification of it's bid. The request for clarification and the response shall be in writing and no change in price or substance of the bid shall be sought, offered or permitted.
- 20. FORFEITURE OF THE EARNEST MONEY:** - Earnest Money may be forfeited.
- (a) If a tenderer withdraws its tender during the period of Tender validity specified by the Tenderer on the Tender Form:
- OR
- (b) In case of a successful Tenderer, if tenderer fails:
- (i) To sign the contract in accordance with clause no. 31 (a) or
- (ii) To furnish security deposit in accordance with clause no.31 (b)
- 21. DISPUTES or DIFFERENCES:** - All disputes or differences that may arise in connection with this tender or the interpretation of any of its terms or in any other way related to this tender directly or indirectly shall be referred to arbitration in accordance with the clause relating to "settlement of disputes" included in Section-II of Part 'A' of tender document i.e. General conditions of the contract.
- 22. VALIDITY OF OFFER:** - The tenderer shall keep their offers open for acceptance for a **period of 90 days** from the date of opening of the tender. In case the last date happens to a holiday, offers shall remain open for acceptance till the next working day. Tenderers with shorter validity period, subject to prior sales, immediate acceptance and any such similar conditions are liable to be rejected.
- 23. Foreign Company:** - The Indian agents bidding on behalf of any Foreign Company should be registered with DGS&D and the proof of registration should be furnished with offer. The offer will not be accepted, if proof is not furnished.
- 24. Indian Agent:** - One agent cannot represent two different foreign suppliers or quote on their behalf in a particular tender.
- 25. AWARD CRITERIA:** -Subject to Clause NO. 27, The purchaser/Corporation will award the contract to the successful tenderer whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated tender ,provided further that the tenderer is determined to be qualified to perform the contract satisfactorily.
- 26. PURCHASER's RIGHT TO VARY QUANTITIES AT TIME OF AWARD:** -The Purchaser/ Corporation reserve the right at the time of award of contract to increase or decrease by up to 20-25% of the quantity of goods specified in the schedule of Requirements without any change in price or other terms &conditions.
- 27. PURCHASER's RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS:-** The Purchaser/Corporation reserves the right to accept or reject any or all Bids , and to annul the tendering process and reject all Bids any time prior to award of contract, without thereby, incurring any liability to the affected tenderer or tenderers or any obligation to inform the affected tenders of the grounds for the purchaser's action.
- 28. NEGOTIATION:** - There shall normally be no post tender negotiation. If at all negotiations are warranted under exceptional circumstances then it can be with L-1 (lowest tenderer) only.
- 29. SPLITTING OF ORDERS:** - The Purchaser/Corporation may decide to split the order among two or more tenderers according to exigencies of the cases at L-1 rate.

30. REPEAT ORDER: - The validity of the tender shall be extended to a period of six months from the date of placing initial order and it shall be opened to the Purchaser/Corporation to place repeat order with the supplier on the same rates and same terms and conditions for quantities not more than 50% of the quantity in the initial purchase order. Repeat Order can be exceeded more than 50% of P.O's quantity and beyond six months on need basis with the prior consent of the supplier.

31. CONTRACTS:-

(a) SIGNING OF CONTRACT :- The successful tenderers within 15 days from date of issue the Purchase Order, shall sign and date agreement as per the format given in Section -V of part "A" of the tender document, wherever the value of terms ordered is more than Rs. one lakh and furnish it to the purchaser. The terms and conditions contained in Section-II of Part 'A' of the tender document will be considered to be part of agreement, any variation in the terms and conditions as may be suggested by the tenderer and accepted by the Corporation will be part of the agreement. The cost of stamping for agreement shall be borne by the successful tenderer. However, to expedite execution of the agreement, the Corporation shall purchase the stamp paper on behalf of the supplier and send typed agreement for signature of the suppliers. The cost of stamp paper shall be recovered from the supplier payments.

(b) SECURITY MONEY: - The Successful Tenders within 15 days from date of issue of purchase order shall furnish the security money in accordance with the condition of the contract, in the Security Money it can be furnished @10 % of the value of the purchase order in shape of Demand Draft or in the form Bank Guarantee, Prescribed Performa for Bank Guarantee is given in Section IV of Bidding Document.

Failure of the successful tenderer to comply with the requirement of clause 31 (a) & 31(b) shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD, in which event the purchaser/Corporation may make the award to the next lowest evaluated bidder or call for new bids.

32. REFUND OF EARNEST MONEY:-

(A) Unsuccessful tenderers: In case of unsuccessful tenders who do not, withdraw their offers before the receipt of final decision, the earnest money if deposited by means of a Bank Draft shall be returned, without interest after the finalization of tenders or after expiry of validity period of the respective offer, whichever is earlier by means of RTGS/crossed cheque drawn on a scheduled bank payable in New Delhi and the Corporation will not be responsible for reimbursing to the tenderers the Bank's commission for encashing the same.

(B) SUCCESSFUL TENDERERS:- (i) The successful tenderers shall deposit the security money within 15 days from the date of issue of purchase order, deposit in cash (by demand draft) or furnish Bank guarantee in the manner indicated in clause- 3 of Section-II, Part 'A' of the tender document towards security for the due fulfillment of the conditions of the contract and sign and date agreement as per the format given in Section -V of part "A" of the tender document.

(ii) After the successful tenderer has completed formalities as stated above, the earnest money deposit will be refundable to him/ them. No interest shall be allowed on earnest money.

33. PRE-CONTRACT INTEGRITY PACT:-Successful Tenderers whose supply /work order of value of Rs. more than one crore then they have to execute PRE-CONTRACT INTEGRITY PACT in the prescribed Performa given in Section VI part "A" of the Tender Document.

Note: (Duly signed with stamp on each & every page of Section- I i.e. "Instruction to Tenderer" to be placed in the envelopes marked "Technical & Commercial Bid")

NATIONAL SEEDS CORPORATION LTD.

SECTION – II

GENERAL TERMS AND CONDITIONS OF THE CONTRACT

1. **Transfer and subletting:** - The supplier shall not sublet, transfer, assign or otherwise part with the contract to any person, firm or Company directly or indirectly or any part thereof without the previous written permission of the Corporation.
2. **Indemnity:-** The supplier shall at all times indemnify the Corporation against all claims which may be made in respect of the said items for infringement of any right protected by patent, registration of design or trade mark provided always that in the event of any claim in respect of an alleged breach of a patent registered design or trade mark being made against the Corporation, the Corporation shall notify to the supplier of the same and the supplier shall be bound, but at his own expenses, to conduct negotiations for settlement or prosecute any litigation that may arise there from. In the event of the Corporation becoming liable to any amount on any aforesaid account the supplier shall make good the amount so payable and the expenses incurred on that behalf.
3. **Signing of Agreement & Security deposit:** - The supplier shall within 15 days from the date of issue of purchase order furnish security deposit along with agreement on non-judicial stamp paper as per prescribed Performa, enclosed under Section-V of Part-A of the tender document, with the Corporation to the extent of 10% of the contract price towards security for the due fulfillment of the conditions of the contract. The security deposit shall be furnished in the following manner.

(A) By means of a Demand Draft on any Scheduled Commercial Bank payable in New Delhi/Delhi in favor of National Seeds Corporation Ltd.,

OR

(B) By means of Bank guarantee as per prescribed Performa, enclosed under Section-IV of Part-A of the tender document, issued by any Nationalized Bank of any branch and Authorized Signatory of the firm should furnish the affidavit stating therein that Bank Guarantee has been taken from the concerned branch of the Bank for the purpose enumerated therein.

OR

(C) In case of Order executed but non submission of Security Deposit, the same will be deducted from first 90% payment without taking consent from supplier and later on Bank guarantee will not be acceptable.

4. **Performance Guarantee Bond:** - Successful bidders are also required to furnish guarantee bond for performance of the equipment during the warranty period. The guarantee bond shall be to the tune of 10% value of the contract and shall be furnished within 15 days from the date of complete the supply and commissioned the equipment/entire equipment of plant or Security Money may be converted as a Performance Guarantee.

This guarantee bond shall be in the form of Demand Draft or by means of Bank Guarantee as per Performa attached at Section-IV Part 'A' of the tender document. The Bank Guarantee shall issue by any Nationalized Bank of any branch. The Bank Guarantee should be accompanied by a forwarding letter of the banker on their letter head. The Bank Guarantee shall be kept valid for 18 months from the date of issue.

The security deposit shall not be refunded unless the performance guarantee bond stated above has been furnished. The security deposit shall be refunded after successful completion of the contract and furnishing of guarantee bond for performance of the equipment.

OR

Successful bidders may also furnish Composite Bank Guarantee Bond as per Performa attached at Section-IV Part 'A' of the tender document in lieu of Security Deposit and Performance Guarantee Bond to the tune of 10% value of the contract valid for 21 months within 15 days from the date of issue the purchase Order.

The balance 10% payment shall not be released unless performance guarantee bond is furnished as referred to above. The Security Deposit and Performance Guarantee will be discharged by the

Purchaser/Corporation and returned to the supplier not later than 21 months following the date of completion of the supplier's performance obligation, including any warranty obligations, under the contract.

5. Delivery: - The supplier shall undertake to complete the supply; installation and commissioning of equipment/Entire equipment of Seeds Processing plant at sites within **90 days** from the date on placing purchase order. However, the Job may be completed early also for which no extra benefit or relaxation in payment terms shall be allowed to the supplier/ suppliers. The date of receipt of goods as specified in the prescribed receipt i.e. G R note and certificate of commissioning the Equipment/Entire equipment of Seeds Processing Plant issued by the consignee and shall be final for the purpose of calculating delivery period.

6. Place of Delivery: - Place of delivery shall be as per Section –IV, Part “B” i.e. “Destination of supply of Equipment “of the Tender Document.

7. Pre -Delivery Inspection: - The supplier shall give at least 10 days to the Purchaser/Corporation to inspect the Equipment to confirm their conformity to the contract. For the purpose of the inspection, the supplier or its subcontractor(S) should provide reasonable facilities and assistance –including access to drawing, tools, tackles, production data, labour etc to the inspection team at no charge to the purchaser/corporation. The expenditure incurred by NSC's nominee such as TA & DA shall be borne by the Purchaser/Corporation.

In case the suppliers give a notice and fail to offer the equipment for inspection up to the dates fixed for this purpose, the expenditure incurred on TA/DA of the Corporation's nominee shall have to be borne by the supplier and such failure will not entitle the supplier to ask for any extension for delivery period.

During Inspection, Equipment found fail to conform to the specification, the purchaser/ Corporation may reject them and supplier shall either replace the rejected Goods or make all alterations necessary to meet specification requirements free of cost to the purchaser/Corporation. The date of receipt after removal of defects will be construed as date of receipt for the purchase of calculating delivery period for the purpose of clause 5 of section II of Part “A” .

8. Changes in specifications: - The Corporation/ purchaser should require any changes in specifications, the supplier shall use his best endeavor to comply with the Corporation's/ purchaser's wishes subject to fair adjustment of prices and delivery schedule where appropriate.

9. Right to Terminate or Alter the Contract: - If at any time during the terms of this contract the plan of the Corporation/purchaser changes for any reason beyond the control of the Corporation/ purchaser, the Corporation shall have the right to terminate or alter this contract by sending a notice of such intention to the supplier by hand through a responsible officer. The supplier shall allow such officer to prepare an inventory of such material as is complete and ready for dispatch. Such officer shall also prepare on inventory of the raw materials which the supplier has already arranged for using in manufacturing the items to be supplied. The Corporation/ purchaser shall accept delivery of the material that are complete and ready for dispatch and may award compensation to the supplier for the raw material already procured or may in its option allow the suppliers to utilize the raw materials and make it ready for dispatch within such period as may be reasonable.

10. Marking: - The supplier shall comply with the requirements of Indian acts relating to merchandise and rules made there-under for marking of all the goods supplied. Equipment number will be written on the top of the two sides of every equipment. Identification number /mark will be informed separately along with the purchase order or later.

11. Packing: - The supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract.

12. Insurance: - The supplier shall comply shall dispatch all the consignments duly insured for all transit risks according to the dispatch instruction given by the Corporation. To avoid complications that may arise at the time of settlement of claims by underwriters for transit losses, the insurance coverage should be arranged by the supplier as under:

a) In case of indigenous supplier 'all transit risks' insurance shall be arranged commencing from their works to the warehouse of the purchaser/Corporation.

b) The supplier is responsible to give safe delivery of the equipment at F.O.R. as per section IV i.e. Dispatch Destination of Part 'B' of the tender document. For any loss/damage etc., during transit, the supplier shall have to lodge the claim with the insurance and pursue the same till it's settlement.

12. Claim of Sale Tax: - Where sale tax is claimed and provided as payable in the supply orders. Payments of the same will not be made unless the following certificate is given along with the bill.

Certified that sales tax claimed in this bill is legally payable by Corporation / purchaser and has been paid/will be paid by us to the sales tax authorities, our sales tax registration NO. _____ Central/State _____

13. Warranty:-

(a) The supplier warrants that the goods supplied under this contract are new, unused of the most recent and incorporate all recent improvements in design, manufacturing and materials unless provided otherwise in the contract. The supplier further warrants that the Goods supplied under this contract shall be free from all defects and faults in material, workmanship and manufacturing and shall be of the highest grade and consistent with the established and generally accepted standards for materials of the type of items/stores ordered and in full conformity with the contract specifications and samples.

(b) The supplier shall if required, replace the goods or such portion thereof as is rejected by the Corporation free of cost at the ultimate destination or at any other place or at the option of the Corporation, the supplier shall pay to the Corporation/purchaser the value thereof at the contract prices and such other expenditure and damage as may arise by reason of the breach of the conditions herein specified.

(c) All replacements that the Corporation/Purchaser shall all upon the supplier to deliver or perform under this warranty shall be delivered or performed by the supplier within two months (promptly and satisfactorily). If the supplier desired to take over the defective items/stores, it shall be done within one month from the date of replacement. Thereafter, Corporation/purchaser shall not be responsible to keep the defective items/stores.

14. Liquidated damages:-

It is emphasized by the Corporation/purchaser & understood by the supplier that the period of delivery, stipulated in the contract is the essence of the contract. It is admitted by the supplier that any delay in the delivery will cause damages to the Corporation/purchaser. Subject to Clause 17, if the supplier fails to deliver any or all of the Goods 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 2% of the delivered price of the delayed goods for each week of delay until actual delivery or performance, up to a maximum deduction of 10% of the delayed goods. Once the maximum is reached, the purchaser may consider termination of the contract.

The Corporation/ purchaser may withhold any payment due to the supplier until the whole of the items/stores have been fully supplied and delivered and may deduct or recover from the supplier liquidated damages as stipulated above. This clause is without prejudice to the right of the Corporation/purchaser to make risk purchase under next clause and the liability under that clause shall be in addition to liquidated damages.

15. Default & Risk purchase:-

(a) Should the supplier fail to have the stores ready for delivery as aforesaid, or should the supplier in any manner or otherwise fail to perform the contract or should it fail to complete the supply in time according to the specifications or should it have winding up order made against it or make or enter into any arrangements or composition with its creditor or suspend payments (or being a company should enter into liquidation either compulsory or voluntary) the Corporation shall have power under the hand of Chief Executive, to declare the contract at the end at the risk and cost of the supplier in every way. In such case supplier shall be liable for any liquidated damages for delay as above provided and for any expenses, losses or damages which the Corporation/purchaser may be put to incur or sustain by reason of, or in connection with supplier's default.

(b) The cancellation of the contract may be either for whole or part of the contract at Corporation's option. In the event of the Corporation/Purchaser terminating this contract in whole or in part, it may procure upon such items and in such manner as it deems appropriate supplies similar to these so terminated and the supplier shall be liable to the Corporation for any excess cost for such similar supplies provided that the supplier shall continue the performance of this contract to the extent not terminated under the provisions of this clause.

16. Force majeure:-

16.1 Notwithstanding the provisions of Clauses 14 & 15, the supplier shall not be liable for forfeiture of its Security Deposit, liquidation damages or termination for default, it 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.

16.2 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 limited to, acts of the Corporation/Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

16.3 If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within 48 (Forty Eight) hours. Unless otherwise directed by the Purchases in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

17. Terms of payments:-

(A) All invoices shall be prepared in quadruplicate in the name of National Seeds Corpn. Ltd. (Delivery Destination) mentioned in the purchase Order and shall be signed by the supplier or his authorized agent. Every invoice shall bear a certificate that.

"The material covered by the invoices has been inspected by the supplier before delivery and conforms in every way to the contract specification and is packed in accordance with the contract requirement and further that no invoice has been prepared previously in respect of the articles charged in the particular invoice".

Invoice should have CST, State ST, VAT Nos. printed on them (If applicable), In the Tax invoice, cost and Tax, (VAT) amount shall be mentioned separately, in case sale tax claimed and bear a certificate as per clause no. 12 above. Invoice to be sent in duplicate to concerned consignees and two copies to NSC, H.O.

(B) Unless otherwise specified in the contract, 80% of the invoice value would be paid by NSC against proof of delivery of the material at destination i.e. G.R. Note from destination along with duly verified copy of original invoice packing list, challan and upon fulfillment of other obligation stipulated in the contract. Small Scale ancillary unit having single point registration certificate issued by MSME's registered with NSIC shall be paid 85% of the invoice value. All payment shall be made through RTGS after making necessary deduction if any towards liquidated damages, outstanding, short supply section pro-rata basis or as decided by the Corpn. The supplier is requested to provide information namely Bank name, location of branch & Name of City, Nature of Account, Bank Account No., IFSC code no., MICR code no. Permanent Account No (PAN) In Annexure "B" Section III.

Balance 20% or 15% of the invoice value ,along with installation and commissioning charges as may be applicable shall be paid after 30 days of the equipment/equipment of entire plant commission and found satisfactorily trial.

18. Settlement of disputes:-

All disputes in relation to the tender, the contract or the interpretation of any of their terms or implementation thereof or arising out of or concerned directly or indirectly with the contract shall be referred to the arbitration or a single arbitrator to be appointed by the Chairman-cum-Managing Director of the Corporation/purchaser and in the absence of CMD, the highest Executive Officer of the Corporation shall make such appointment. The venue of arbitration shall be at New Delhi. The court of law at the New Delhi/Delhi alone will have jurisdiction in the matter of any disputes whatsoever.

The arbitrator shall have powers to enlarge time for making & publishing the award with the consent of the parties. The parties will have no objection to the appointment of the arbitrator on the ground that the arbitrator had dealt with the matter of any earlier stage. If the claims involved in a dispute are of more than Rs.1/- lakh the arbitrator shall make a speaking award as per provision of Arbitration & Reconciliation Act 1996.

In case the supplier is a Public Sector Undertaking, the above clause shall not be applicable and in that event the following clause shall apply.

In the event of any dispute or difference relating to the interpretation and application of the provisions of the contracts, such dispute or difference shall be referred by either party for arbitration to the sole arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Govt. of India, In charge of the Department of Public Enterprises. The arbitration & conciliation Act, 1996 shall not be applicable to the arbitration under this clause. The award of the Arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Department of Legal and Affairs, Ministry of Law and Justice, Govt. of India. Upon such reference, the dispute shall be decided by the Law Secretary or the Special Secretary/Additional Secretary when so authorized by the Law Secretary whose decision shall bind the parties finally and conclusively. The parties to the disputes will share equally the cost of arbitration as intimated by the Arbitrator.

19. Corrupt Gifts & Payments of Commission:-

Any bribe, commission, gift or advantages given promised or offered by or on behalf of the supplier, his agents or representative or agent of the Corporation / or any person on his behalf in relation to the execution of this or any other contract with the Corporation shall in addition to the criminal liability under the Law enforce, subject the supplier to cancellation of this and other contracts with the Corporation and also to payment to any less resulting from any such cancellation to the extent as is provided in case of cancellation under "DEFAULT AND RISK PURCHASE" and the Corporation shall be entitled to deduct the amount so payable from any money otherwise due to the supplier under this or any other contract or may recover the same by appropriate proceedings.

20. It is understood and agreed by the contractor that the prices charged for stores/supplies under the contract shall under no circumstances exceed the lowest price at which the contractor sells the stores of identical description to any other State/Central Govt. /Public Sector undertaking during the period of the contract. Affidavit should be given by the supplier on Rs100 non judicial stamp paper. Same is to be placed in the "Technical & Commercial Bid "

Note: (Duly signed with stamp on each & every page of "Section II i.e. General Terms & Condition of the Contract "to be placed in the envelopes marked "Technical &Commercial Bid").

NATIONAL SEEDS CORPORATION LTD.

SECTION – III

TENDER FORM

To

The General Manager (Engg),
National Seeds Corporation Ltd.,
Beej Bhawan, Pusa Complex,
New Delhi-110012

FROM

Sub: Tender No. _____ for supply of _____

Sir,

- i) I /We _____ have read the tender documents as issued by National Seeds Corporation Ltd., (hereinafter called Corporation) and hereby agree to abide by the said instructions, terms and conditions contained therein.
- ii) I/We also agree to keep the offer contained in the tender open for acceptance for a period of 90 days from the date fixed for opening the same.
- iii) I/We also agree to extend the validity of this tender for a further period of six months from the date of placing the initial order to repeat the order on same rates, terms and conditions for any additional quantities up to 50% likely to be required during this period.
- iv) I/We offer to supply the equipment as detailed in the schedule attached herewith at the rates quoted by me/us and hereby bind myself/ourselves to complete the delivery & Commissioned the plant within a period of 90 days from the date of placing of order.
- v) Bank Draft No. _____ dated _____ for Rs. _____ (Rupees _____) drawn in the Name of National Seeds Corporation Ltd., New Delhi towards payment of the earnest money, enclosed.

OR

- a) We are Small Scale industry under MSME registered with District Industries Center (Govt. Of India) for item _____ under single point registration scheme after _____ (photocopy of the Registration Certificate is enclosed). Our Registration No. is _____
- vi) The full value of the earnest money shall stand forfeited without prejudice to any other rights or remedies if:
 - (a) I/we withdraw the offer before a final decision of the tender is taken, provided that such a withdrawal is made within 90 days from the opening date of tender.
 - (b) I/we do not execute the contract agreement & / Security Deposit within the stipulated period after acceptance of my/our tender will be known to me/us.

- vii) I/We also understand that until a formal agreement is prepared and executed, acceptance on this tender shall constitute a binding contract between us subject to modifications as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work. Valid on _____
- viii) I/we have read the arbitration clause in Section-I & II of Part 'A' of tender document, relating to instructions to tenderers and general conditions of the contract and I/we hereby agree that any dispute of whatsoever nature that may arise in connection with this tender shall be decided under these agreement clauses.
- ix) This tender is being submitted at New Delhi and will be opened and decided at New Delhi and it is agreed that Civil Courts at Delhi/New Delhi alone will have jurisdiction to deal with any legal proceeding that may arise in connection with this tender or subsequently.
- x) Company profile as per prescribed Performa given in Annexure 'A' & of Section III of Part 'A' of the tender document is kept in a separate cover marked 'Technical & Commercial Bid'. Rates are quoted in the prescribed format given in Annexure 'B' of Section III of Part 'A' of the tender document and are kept in the separate cover marked 'Price Bid.'
- xi) I/We have read and understand that my/our financial bid shall be opened only if bid found qualified based on technical & commercial bid and the firm is found suitable during spot verification by NSC's Officers or any third party deputed by NSC.
- xii) I/We have read and understand the specification for the items and the terms and conditions contained in the tender document and agree to which by the same and against which the bids are submitted in the separate cover marked 'Technical & Commercial Bid & Price Bid.'
- XIII) I /We offer the rate for supply & installation – commissioning of machines /equipment for seeds processing plant at ----- mentioned at Section- 1 'A' ,1 "B" & 1"C" of part "B" of Tender Document .

Signature: -----

Stamp of the company :-

Place: -

Name Of Authorized Signatory: - -----

Date:-.

E-mail Id: -----

Phone No : -----

Mb. No. :- -----

Complete Postal Address:-----

NATIONAL SEEDS CORPORATION LTD.

SECTION - III

Annexure-A

(To be submitted to NSC in the envelope marked 'Technical & Commercial Bid')

FORM FOR TECHNICAL BID

To

The General Manager (Engg),
National Seeds Corporation Ltd.,
Beej Bhawan, Pusa Complex,
New Delhi-110012

FROM

Sir,

Profile of our Company is as under:

1.1. Constitution or legal status of Bidder (Attach Copy)

- Place of registration: _____
- Principal place of business: _____
- Power of attorney of signatory of Bid

A. Work performed as prime supplier on works of a similar nature over the last three years.

Year	Name & Address of Purchaser	Description of Machine	Purchase Order No. & Date	Value (Rs.in lakhs)	Stipulated period of Completion	Actual date of Completion	Remarks explaining reasons for delay and work completed.
1	2	3	4	5	6	7	8

- Attach copies of Purchase Orders and proof of completion.

B. Information of Bid Capacity (works for which bids have been submitted and works which are yet to be completed) as on the date of this bid.

(A) Existing commitments and on-going works:

Machine	Place and State	Contract No. & Date	Name & Address of Purchaser	Value of Contract (Rs.)	Stipulated period of completion	Value of order yet to be completed	Anticipated date of Completion
1	2	3	4	5	6	7	8

(B) Past works for which bids already submitted.

Description of machine	Place and State	Tender No. & Date	Name & Address of Purchaser	Stipulated period of completion	Date when decision is expected	Remarks, if any.
1	2	3	4	5	6	7

- Attach supporting documents.

(C) Capabilities with respect to personnel, equipment and manufacturing facilities

1. Availability of infrastructure.

Name of the Building	Size (Sq.Mtr.)	Type of Structure
1	2	3

2. Availability of Equipment.

Item of Equipment	Available No. & Capacity	Owned/leased/to be procured	Nos/Capacity	Age/Condition	Remarks (From whom to be purchased)
1	2	3	4	5	6

3. Availability of Personnel

Type of Employee	No.	Qualification	Experience
1	2	3	4

C. Qualification and experience of key personnel proposed for administration and execution of the Contract.
Attach biographical data.

Position	Name	Qualification	Years of Experience (general)	Years of experience in the proposed position.	Contact No.
1	2	3	4	5	6

4. Financial statement including Annual report: (i.e. Balance sheet and profit & loss account) duly signed by Statutory Auditor of last 3 years along with copies. Annual Turnover in last three years should not be less than **5 times of quoted value of offer:**

Financial year	Annual Turnover (Rs. In Lakh)	Annual Profit/ loss (Rs. In Lakh)	Remarks

5. Registration:

TIN/VAT No.	CST No.

--	--

6. Income tax Details:-

PAN No	Returns for Last Two Years (attached)	
	Year	Copy

7. EMD :-

Banker Name	Draft No.	Amount

8. Particular of Banker:-

Name and address of Banker	Type of Account	Account No.	IFS Code	MICR Code

9. MSME registration details (NSIC registered unit):

Registration No.	Category of Firm General/SC/ST	Validity Period	Registered Item/Items	Quantitative Capacity	Monetary Limit

10. Information on litigation history in which the Bidder is involved.

Other party(ies)	Employer	Cause of dispute	Amount	Remarks involved showing present status
1	2	3	4	5

11. 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 A-1.

12. An affidavit on Rs 100 non judicial stamp paper that Price Charged for stores/Supplies under the contract shall under no circumstances exceed the lowest price at which the contractor sells the stores of identical description to any Govt. Department /Institution /Public Enterprises/Undertaking during the period of contract as per Performa attached in Annexure A-2.

13. Evidence of Access of Finance Required (With Valid Proof):-

14. Authorization for Signing Bid (With Valid Ltr).

I hereby certify that all the information mentioned above are true and in case any information is found to be incorrect, my bid may be treated as rejected by NSC management.

Thanking you,

Stamp of the Company

Signature: -----

Place: -

Name Of Authorized Signatory: - -----

Date:-.

Complete Mail Address: -----

Phone No.: -----

Mb. No. :- -----

E-mail Address: - -----

Note: - (All particulars are to be filled properly & correctly if required extra sheet can be attached).

NATIONAL SEEDS CORPORATION LTD.

Check list of enclosures for Technical & Commercial Bids:

1.	EMD.	{ }
2.	Certificate of registration of the firm.	{ }
3.	Partnership Deed if Partnership firm.	{ }
4.	Authorization /Resolution for signing of bid if it is limited Company or partnership firm.	{ }
5.	An affidavit of ownership if proprietary firm/sole traders.	{ }
6.	A copy of PAN No & Income-tax Return for the current year & previous year.	{ }
7.	Copy of VAT/TIN& CST Registration No.	{ }
8.	Business performance certificate from customers for quality and timely supply preferably from Govt. Organization.	{ }
9.	If representative participating, letter of authorization to participate in the tender opening/negotiation of rate	{ }
10.	Affidavit certificate that not blacklisted and no arbitration case pending in this office.	{ }
11.	MSME registered with NSIC Certificate with proper validity for item of rate offered.	{ }
12.	Other document if any in support of the tender.	{ }
13.	Each and every concerned pages of tender document should be signed with stamp of authorized signatory of tenderer.	{ }
14.	Affidavit no circumstances exceeded lowest price of identical goods to Govt. / Sami Govt. Organizations.	{ }
15.	Balance Sheet for last Three years.	{ }
16.	Annual Turn Over of the firm in last three years should not be less than Ten times of quoted value of the Offer.	{ }
17.	Evidence of access to financial resources.	{ }
18.	Offered Qty - _____ (Ltr of request)	

Note: - In absence of any above document, tender may be consider for rejection.
To be submitted to NSC in the envelope marked "Technical & Commercial Bid"

NATIONAL SEEDS CORPORATION LTD.

SECTION - III

Annexure-A-1

Affidavit Certificate

I /We_____ (Name, Designation and Address) hereby declaring that my firm/Company has not been black-listed by any of the Govt. Department/ Organization /PSUs /Institution etc , where I /We had supplied the goods during the last_____ years and no arbitration case pending in NSC .

Signature of Authorized signatory -----

Name_____

Designation _____

Name of the Firm/Company _____

Full address _____

stamp_____

Place: _____

Dated: _____

NATIONAL SEEDS CORPORATION LTD.

SECTION - III

Annexure-A-2

Affidavit Certificate

I /We_____ (Name, Designation and Address) hereby declaring that price charged for quoted item/items under this contract, our firm has no circumstance exceeded lowest price of identical goods given to any Govt. Deptt ./PSUs/Institutions/Organizations etc .

Authorized Signatory ----- Signature of

Name_____

Designation _____

Name of the Firm/Company _____

Full address _____

Stamp_____

Place: _____

Dated: _____

NATIONAL SEEDS CORPORATION LTD.
SECTION - III

Annexure-B

(It is to be submitted to NSC in the envelope marked 'PRICE BID')

To,

General Manager (Engg),
National Seeds Corporation Ltd.,
Beej Bhawan ,Pusa Complex ,
New Delhi -110012

From

Sir,

We have examined the prescribed specification and read the Terms & Conditions of Tender No. CBE-XII, issued under File No -----
-----Dated ----- for supply , Installation & Commissioning of ----- TPH Cap.-----
Seeds Processing plant / Machine / Equipment on Trunkey basis at NSC ----- Our rates for the
machineries/Equipment of aforesaid Seeds Processing plant / Machine to your specification, Terms & Conditions are as under:-

S. NO.	Pro. Plant At	Equipment Name	Quantity (As per)		Unit ex- work price	Excise Duty	Packing & forwarding charges	Transport ation charges	Sales Tax against Form C'	Other taxes if any	Transit Insurance	Unit F.O.R. site price With all taxes (sum of sl.no.4 to 10)	Installati on ,Commi ssioning and Training Charges
			NIT	Offered									
1	2		3		4	5	6	7	8	9	10	11	12
Total													

Place: -

Date:-.

Signature: -----

Name of Authorized Signatory: - -----

Complete postal Address: -----

Phone No.: -----

Mobile. No. :- -----

E-mail Address: - -----

Seal:

NATIONAL SEEDS CORPORATION LTD.

SECTION - IV

**COMPOSITE BANK GUARANTEE FORM IN LIEU OF SECURITY DEPOSIT
OR
COMPOSITE BANK GUARANTEE FORM IN LIEU OF SECURITY DEPOSIT
AND PERFORMANCE GUARANTEE BOND, BY THE BANK**

This Bank guarantee executed on thisday of 2012by Bank (here in after called the Bank) which expression shall include wherever permissible its successors and assigns in favor of the Chairman- cum-Managing Director, National Seeds Corporation Ltd., Beej Bhawan, Pusa Complex, New Delhi-110012 hereinafter called the Corporation which expression includes its successors and assigns at the request of M/s.....(hereinafter called the supplier) which expression shall include his successors and assigns.

"WHEREAS under the terms of supply of equipment etc. under this Corporation's supply/ Purchase Order NO.....dated Placed with the suppliers, supplier has warranted about the specifications and performance of the equipment supplied under the Corporation's order'.

OR

"WHEREAS under the terms of the contract for the supply of equipment etc. under this Corporation's Agreement No.....dated..... entered into between the Corporation and the suppliers, suppliers had warranted about the specifications and performance of the equipment under the contract'.

AND WHEREAS under the terms of the contract the Corporation is entitled to retain 10% of the price of the equipment till 3 months after the period the warranty expires.

AND WHEREAS the supplier is desirous of getting the said 10% price from the Corporation and has agreed to furnish a Bank guarantee in lieu thereof and has undertaken to execute performance guarantee bond backed by the Bank.

AND WHEREAS the bank agreed to give the bank guarantee in lieu of the 10% price and be guarantor for the performance guarantee bond.

NOW THEREFORE, this guarantee witnessed and the Bank hereby agrees guarantee.

1. If the supplier commits any breach of any of the terms and conditions of the contract or of the supply order and the Corporation declares that the Supplier has become liable to forfeiture of the security or any part thereof, the Bank hereby unconditionally and irrevocably agrees and undertakes and guarantees to pay to the Corporation on demand and without demure the amount of security money stated above without making any reference to the Supplier.
2. The Supplier has warranted to the Corporation as follows.
 - i) The supplier warrants that the goods supplied under this contract/order are free from all defects and faults in material, workmanship and manufacture and are of the highest grade and consistency in the established and generally accepted standards in materials of the type of equipment ordered and in full conformity of the contract/order specifications and drawings or samples, if any, and shall operate properly.
 - ii) The supplier warrants that the equipment shall perform satisfactorily in accordance with the specifications and the norms fixed by the Corporation for a minimum period of 18 calendar months from the date of commissioning of equipment or 21 months from the date of receipt at the site whichever is earlier.
 - iii) The supplier's warranty in respect of any complaints, defects and/or claims limited to supply and installation or replacement of parts free of charge or the repair of defective parts only to the extent that such replacement or repairs are attributable to/or arise from faulty workmanship or material or design in the manufacture of the equipment, provided defects are brought to the notice of the supplier within 3

months of their being first discovered during the warranty period and in no case after one month from the date of expiry of aforesaid warranty period. The warranty period for replaced parts will extend to 18 months from the date of replacement as envisaged by the warranty clause in this agreement/ order in respect of original supply.

- iv) The supplier shall, if required, replace or repair the goods or such portion thereof as is rejected by the Corporation free of cost at the ultimate destination or at the option of the Corporation, the supplier shall pay to the purchaser value thereof at the contract/order price and such other expenditure and damages as may arise by reasons of any breach of the condition specified in the contract/order.
 - v) All replacement and repairs that the Corporation shall call upon the supplier to deliver or perform under this warranty shall be delivered or performed by the supplier as quickly as possible but in no case later than one month failing which the performance guarantee bond shall be extended till such time all claims are settled to the entire satisfaction of the Corporation.
 - vi) The warranty of the supplier shall not apply to any material which would have been repaired or altered by the Corporation or on its behalf in any manner without informing the supplier in advance, if however, any such repair does not affect the strength performance or reliability the warranty shall continue to apply. Any defect caused to any part due to misuse, negligence or accident will not be covered by warranty.
3. If the supplier commits any breach of the terms relating to warranty and the supplier becomes liable to the forfeiture of the 10% of the bank guarantee or any part thereof, the bank hereby unconditionally and irrevocably agrees and undertakes and guarantees to pay to the Corporation on demand without demur and amount of bank guarantee stated above, without making a reference to the supplier.
 4. The bank further agrees that the Corporation shall be the sole judge of as to whether the said supplier has committed any breach or breaches of the terms of warranty and the extent of loss, damage costs, charges and expenses caused to or may be suffered by or that may be caused to or may be suffered by the Corporation on account thereof and the decision of the Corporation that the supplier has committed such breach or has not fulfilled the conditions of warranty shall be final and binding on the supplier and the bank.
 5. The bank further understand that it shall not be necessary for the Corporation to proceed against the supplier before demanding the aforesaid amount of bank guarantee from the bank or taking any proceeding against the bank and the guarantee herein contained shall be enforceable against the bank.
 6. The bank undertakes not to revoke the guarantee except with the prior consent of the Corporation in writing and agree that any change in the constitution of the supplier or the bank shall not discharge the liability of the bank herein.
 7. Not with standing anything, contained herein before the liability of the bank under this guarantee is restricted to Rs..... The guarantee of the bank shall remain into force upto 21/24 months from the date of execution of this Bank guarantee or till 3 months after the expiry of warranty period whichever is later. Unless the Corporation makes a claim from the bank in writing on or before the said period all rights of the Corporation under this warranty shall be forfeited and the bank shall be relieved and discharged from all liability hereunder.

1. Witness

2. Witness

- Here fill the name and full address of The Bank
- Here fill the Name and full address of the tenderer.

NATIONAL SEEDS CORPORATION LTD.

SECTION – V

AGREEMENT FORM

AGREEMENT NO.....

This agreement is made on thisbetween the National Seeds Corporation Ltd., A Government of India Company, incorporated under the Companies Act 1956 and having its registered office at Beej Bhawan, Pusa Complex, New Delhi-110012 and (hereinafter called the 'Corporation' which expression shall unless excluded by or repugnant to the context, be deemed to include its successors and assigns) of the first part and M/s..... (Hereinafter called the 'Supplier' which expression shall include unless excluded by or repugnant to the context, be deemed to its successors and assigns) of the second part.

WHEREAS the 'Corporation' with the intention of purchasing seed processing equipmentary and related equipment invited offers vide Tender No..... its own behalf (hereinafter called the 'Purchaser')

AND WHEREAS the supplier submitted their tender No.....and upon consideration of the tender and after due deliberations, the Corporation placed Purchase Order NO.....dated..... with supplier, for the supplies of equipment as per specifications, quantities and number mentioned in schedule of this agreement and in purchase order no..... dated.....

AND WHEREAS the Corporation and the supplier have agreed to all the terms & conditions as contained in Section-II of Part 'A' of the tender document for Tender No..... which shall form part of this agreement.

The supplier hereby agrees to supply and purchaser hereby agrees to purchase No. of equipment's and equipment's with specifications and details as mentioned in Purchase Order.

Settlement of Disputes:

All disputes and or differences in relation the tender, the contract of the interpretation of any of their terms of implementation hereof or arising out of or concerned directly or indirectly with the contract shall be referred to the arbitration of a single Arbitrator to be appointed by the Chairman cum Managing Director of the Corporation and in the absence of CMD, the highest Executive Officer of the Corporation shall make such appointment. The venue of Arbitration shall be at New Delhi. The Court of Law at New Delhi/Delhi alone will have jurisdiction in the matter of any disputes whatsoever. The arbitrator shall have power to enlarge time for making and publishing the award with the consent of the parties. The parties will have no objection to the appointment of the Arbitrator on the ground that such arbitrator had dealt with the matter at any earlier stage. If the claims involved in a dispute are of more than Rs.1.00 lakh, the arbitrator shall make a speaking award.

No amendments or modifications in the terms of this agreement shall be considered valid unless it is in writing and duly signed by both the parties.

IN WITNESS WHEREOF, both the parties have here to subscribed their signature on the date and year herein above written through authorized representatives.

For and on behalf of the supplier

Witness

1.

2.

3.

For an on behalf of the National Seeds Corporation
Ltd., Beej Bhawan, Pusa Complex, New Delhi - 12

Witness

1.

2.

3.

NATIONAL SEEDS CORPORATION LTD.

SECTION - VI **PRE-CONTRACT INTEGRITY PACT**

(To be signed in case bid/contract amount exceeds Rs. One Crore)

General:-

1. Whereas National Seeds Corporation Limited represented by hereinafter referred to as the Buyer and the first party, proposes to procure goods / services through tender no. hereinafter referred to as goods, of the first part is a CPSE under Ministry of Agriculture, Government of India.

and M/s _____, represented by, _____ Chief Executive Officer (which term, unless expressly indicated by the contract, shall be deemed to include its successors and its assignees), hereinafter referred to as the Bidder/Seller and the second party, is willing to offer/has offered the stores. Whereas the Bidder is a (status of the bidder) constituted in accordance with the relevant law in the matter.

2. Now, therefore, the Buyer and the Bidder agree to enter into this pre-contract agreement, hereinafter referred to as Integrity Pact, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/unprejudiced dealings prior to, during and subsequent to the completion of the contract.

Commitments of the Buyer:-

3. The Buyer Commits itself to the following:-

3.1 The Buyer undertakes that no official of the Buyer, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favor or any material or immaterial benefit or any other advantage from the Bidder, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the Contract.

3.2 The Buyer will treat all Bidders alike, and will provide to all Bidders the same information and will not provide any such information to any particular Bidder which could afford an advantage to that particular Bidder in comparison to other Bidders.

3.3 All the officials of the Buyer will report to the CVO office of any attempted or completed breaches of the above commitments on the part of Bidder under Integrity Pact.

4. In case of any such preceding misconduct on the part of such official(s) is reported by the Bidder to the Buyer with full and verifiable facts and the same is *prima facie* found to be correct by the Buyer, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the Buyer and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the Buyer the proceedings under the contract would not be stalled.

Commitments of Bidders:-

5. The Bidder commits himself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of his bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commits himself to the following:-

5.1 The Bidder will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favor, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Buyer, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.

5.2 The Bidder further undertakes that he has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission,

fees, brokerage or inducement to any official of the Buyer or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the Contract or any other Contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the Contract or any other Contract with the Government.

5.3 The Bidder will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

5.4 The Bidder will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

5.5 The Bidder further confirms and declares to the Buyer that the Bidder is Competent to offer for stores /services in the said tender and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the Buyer or any of its functionaries, whether officially or unofficially to the award of the contract to the Bidder, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

5.6 The Bidder, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the Buyer or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

5.7 The Bidder shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the Buyer as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The Bidder also undertakes to exercise due and adequate care lest any such information is divulged.

5.8 The Bidder commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

5.9 The Bidder shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

6. Previous Transgression:-

6.1 The Bidder declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify bidder's exclusion from the tender process.

6.2 If the Bidder makes incorrect statement on this subject, Bidder can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

7. Company Code of Conduct:-

7.1 Bidders are also advised to have a company code of conduct (clearly rejecting the use of bribes and other unethical behavior) and a compliance program for the implementation of the code of conduct throughout the company.

8. Sanctions for Violation:-

8.1 Any breach of the aforesaid provisions by the Bidder or any one employed by him or acting on his behalf (whether with or without the knowledge of the Bidder) or the commission of any offence by the Bidder or any one employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act 1988 or any other act enacted for the prevention of corruption shall entitle the Buyer to take all or any one of the following actions, wherever required:-

(i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the Bidder. However, the proceedings with the other Bidder(s) would continue.

(ii) The Earnest Money/Security Deposit/Performance Bond shall stand forfeited either fully or partially, as decided by the Buyer and the Buyer shall not be required to assign any reason therefore.

(iii) To immediately cancel the contract, if already signed, without giving any compensation to the Bidder.

(iv) To recover all sums already paid by the Buyer, and in case of an Indian Bidder with interest thereon at 2% higher than the prevailing Prime Lending Rate, while in case of a Bidder from a country other than India with interest thereon at 2% higher than the **LIBOR**. If any outstanding payment is due to the Buyer from the Bidder in connection with any other contract for any other defense stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.

(v) To encase the advance bank guarantee and performance bond/warranty bond, if furnished by the Bidder, in order to recover the payments, already made by the Buyer, along with interest.

(vi) To cancel all or any other Contracts with the Bidder.

(vii) To debar the Bidder from entering into any bid from the Government of India for a minimum period of five years, which may be further extended at the discretion of the Buyer.

(viii) To recover all sums paid in violation of this Pact by Bidder(s) to any middleman or agent or broker with a view to securing the contract.

(ix) If the Bidder or any employee of the Bidder or any person acting on behalf of the Bidder, either directly or indirectly, is closely related to any of the officers of the Buyer, or alternatively, if any close relative of an officer of the Buyer has financial interest/stake in the Bidder's firm, the same shall be disclosed by the Bidder at the time of filing of tender. Any failure to disclose the interest involved shall entitle the Buyer to rescind the contract without payment of any compensation to the Bidder.

(x) The Bidder shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Buyer, and if he does so, the Buyer shall be entitled forthwith to rescind the contract and all other contracts with the Bidder. The Bidder shall be liable to pay compensation for any loss or damage to the Buyer resulting from such rescission and the Buyer shall be entitled to deduct the amount so payable from the money(s) due to the Bidder.

(xi) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the Buyer with the Bidder, the same shall not be opened.

8.2 The decision of the Buyer to the effect that a breach of the provisions of this Integrity Pact has been committed by the Bidder shall be final and binding on the Bidder.

9. Fall Clause:-

9.1 The Bidder undertakes that he has not supplied/is not supplying the similar systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India and if it is found at any stage that the similar system or sub-system was supplied by the Bidder to any other Ministry/Department of the Government of India at a lower price, then that very price will be applicable to the present case and the difference in the cost would be refunded by the Bidder to the Buyer, if the contract has already been concluded.

9.2 The Bidder shall strive to accord the most favored customer treatment to the Buyer in respect of all matters pertaining to the present case.

10. Examination of Books of Accounts:-

In case of any allegation of violation of any provisions of this Integrity Pact or payment of commission, the Buyer or its agencies shall be entitled to examine the Books of Accounts of the Bidder and the Bidder shall provide necessary information of the relevant financial documents in English and shall extend all possible help for the purpose of such examination.

11. Law and Place of Jurisdiction:-

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the Buyer i.e. New Delhi.

12. Other Legal Actions:-

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

13. Validity:-

13.1 The validity of this Integrity Pact shall be from date of its signing and extend till satisfactory closer of the Contract.

13.2 Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

The Parties hereby sign this Integrity Pact at _____ on _____ .

BUYER BIDDER

Witness

1. _____

2. _____

CHIEF EXECUTIVE OFFICER
Company Name

1. _____

2. _____

PART - B

NATIONAL SEEDS CORPORATION LTD.
SECTION - I
MACHINE/EQUIPMENT SPECIFICATIONS
SEED PROCESSING & RELATED EQUIPMENT

"1 A"

SOYBEAN SEEDS PROCESSING PLANT

S.No.	DESCRIPTION	REQUIRED TENTATIVE QUANTITY (No.)
	8 TPH Capacity complete Soybean Seeds Processing Plant one each at Kota and Chittorgarh (Rajasthan) and each plant comprising of Machines/ equipment with technical specification given here as under: Capacity of machines mentioned is throughput based on Soybean seed Bulk Density 700 Kg/cubic mt. (kg/m³)	
1.	Intake pit with oscillating feeder with VFD (variable frequency drive) for regulating the seed rate : Capacity 2 m³ with heavy duty grating. Hopper to be made out of M.S. Sheet not less than 2mm thickness. Oscillating feeder will shut off the discharge of seed from dump hopper to first elevator in the event of sudden power failure. Feeder will feed the seed after the power comes back. Hence, the main purpose of oscillating feeder is to regulate the feed rates and also to prevent damage to motor, chain, etc. of the z type elevator.	One
2.	Z Type Elevator: Capacity : 10 TPH. On Soybean seeds. Discharge height depending upon feeding height of pre cleaner. Z type elevator with discharge spout and P.U. / P.P. buckets. The Z-elevator shall have discharge spout to deliver the soybean seed into the feed hopper of the machine. Mild steel/GI construction for frame structure. Bearing SKF/NTN make. The idler roller & press roller made of delrin make self-lubricating type. The Z elevator shall be driven by suitable HP motor. Material of the chain shall be medium carbon steel. Z elevator should be able to feed soybean seed into the machine or surge bin, bagging bin gently.	One
3.	Surge Bin to be Installed Over Pre-Cleaner WITH CASCADE ARRANGEMENT : Capacity: 1 Ton. Sides of the bin shall be made of G.I. Sheet not thinner than 1.6 mm. Hopper bottom to be made of G.I. Sheet. Not thinner than 2 mm. Support structure to be made of medium M.S. Channel not less than 100 x 50 mm with 12mm thick foundation plates. Angle iron bracing of size not thinner than 40 x 40 x 5 mm & 25 x 25 x 3 mm shall be provided for reinforcement wherever necessary. Discharge gate position to be provided to match with the feed hopper of equipment. Observation window shall be provided at two sides of bin to see seed level. Discharge gate of the bin shall be fitted with manually operated and also electrically operated.	One

4.	Seed Pre-Cleaner : Capacity: 10 Tons/hr. Based on Soybean seeds. Machine shall be suitable for efficient Pre-Cleaning of all types of seeds particularly Soybean seed. 2-3 Screen Model, flat oscillating type. In 3 Screen Model no. of scalping shall be 2 and grading 1. Total screen area shall not be less than 8 m². Oscillating speed of screen deck should be variable. Sieve deck shall be made of insect & moisture resistant marine plywood. Frame of the machine shall be made of steel box construction in one section welded structure. Feeding hopper provided with feed control gate and rubber feed roller for uniform & continuous feeding. Sieve perforation cleaning by rubber ball or nylon brush. Double aspiration with pre & post suction. Aspirator fan should be dynamically balanced. Air control & feed control arrangement should be step less variable with the help of screw arrangement. Machine shall be supplied with electric motors, one set of screen for soybean seed. Additional set of screen, cyclone dust collector, air trunks and other accessories to improve the performance of the machine shall be quoted separately with full technical details.	One.
5.	Z Type Elevator with Z box for gentle feeding of Soybean seeds in the buckets : Capacity : 10 TPH. On Soybean seeds. Discharge height to suit feeding height of fine cleaner. Other specifications shall be same as at Sr. No.2.	One
6.	Surge Bin To Be Installed Over Fine Cleaner WITH CASCADE ARRANGEMENT : Capacity: 1 Ton. Based on Soybean Seed Other specifications shall be same as at Sr. No. 3	One
7.	Fine Cleaner WITH INDENTED CYLINDER GRADER WITH BYEPAS ARRANGEMENT : Capacity : 8 Tons/Hr. based on Soybean seeds. Machine shall be suitable for efficient fine cleaning of all types of seeds particularly soybean seed. 2-3 Screen Model, flat oscillating type. In 3 Screen Model no. of scalping shall be 1 and grading 2. Total screen area shall not be less than 10 m². Oscillating speed of screen deck should be variable. Sieve deck shall be made of insect & moisture resistant marine plywood. Frame of the machine shall be made of steel box construction in one section welded structure. Feeding hopper to be provided with feed control mechanism in the form of soft brushes to feed soybean seed gently without any damage uniformly and continuously. Sieve perforation cleaning by rubber ball or nylon brush. Double aspiration with pre & post suction. Aspirator fan should be dynamically balanced. Air control & feed control arrangement should be stepless variable with the help of screw arrangement. There shall be separate motor of suitable horse power for fan & sieve deck. Machine shall be supplied with electric motors, one set of screen for soybean seed.	One

	Additional set of screen, cyclone dust collector, air trunks and other accessories to improve the performance of the machine shall be quoted separately with full technical details Indented cylinder grader: Attached to fine cleaner for short grain separation shall have independent drive of suitable H P .Area of indented part shall be not less than 6 Sq Mt. Thickness of sheet used for indent segment shall not be thinner than 2 mm. Rotational speed of cylinder shall be steplessly variable. Auger shall be provided for removing cut /short grains and angle shall be variable. Factory fitted segment shall be suitable for wheat, Motorized bypass arrangement should be provided to bypass the indented cylinder when short grain separation is not required.	
8.	Z Type Elevator with Z box for gentle feeding of Soybean seeds in the buckets : Capacity : 10 TPH. On Soybean Seeds. Discharge height to suit feeding height of gravity separator. Other specifications shall be same as at Sr. No. 2	One
9.	Specific Gravity Separator with big hopper and vibro feeder: Average throughput capacity : 8 TPH based on soybean seeds. Specific gravity separator shall be capable of upgrading/separating soyabean seed based on specific weight basis i.e. seeds same in size but different in weight shall be separated with this machine. Deck area should not be less than 3 m². There shall be separate motor for fan & deck. Oscillating speed of deck, feed rate shall be electrically controlled. Gravity Separator shall be supplied with feed hopper with adjustable gate, vibro feeder and dust aspiration hood. Other accessories which are required to improve the efficiency of the machine shall be quoted separately.	One
10.	Z Type Elevator with Z box for gentle feeding of Soybean seeds in the buckets : Capacity : 10 TPH. On Soybean t seeds. Supplied with 3 way electrically operated valve to feed soyabean seeds either to spiral separator or seed treater or bagging bin Discharge height to suit feeding height of either bagging bin or seed treater or Spiral Separator. Other specifications shall be same as at Sr. No. 2	One
11.	Spiral Separator: Capacity 4 TPH each set on Soybean to separate soybean seed splits, sticks etc. from whole soybean seeds in G I CONSTRUCTION	Two
12.	Z Type Elevator with Z box for gentle feeding of Soybean seeds in the buckets : Capacity : 10 TPH. On Soybean seeds. With 2 way electrically operated valve to feed seed either to seed treater or bagging bin. Discharge height to suit feeding height of either Continuous Seeds Treater or Bagging Bin. Other specifications shall be same as at Sr. No.2	One

13.	Continuous Type Seed Treater : Throughput capacity 8 TPH based on Soybean seed. Seed Treating Machine shall be compact & versatile unit with latest technique for treatment of seed with fungicides & pesticides in liquid form. The application of liquid chemical to the seed shall be in mist form. The chemical dosage system shall be accurate, automatic & synchronized with dosing of seed. Dosage of seed for treatment shall be accurate and reliable. Liquid as well as seed dosage calibration should be in a closed system without sacrificing seed or treating liquid. Parts coming in contact with chemical shall be made of 304 stainless steel. Capacity of pre-mix tank should not be less than 200 liters. Motor for stirring the liquid in pre-mix tank shall not be more than 5 HP. The machine shall be equipped with sensors to monitor the flow of seed and treating liquid. When the seed flow to the machine is interrupted, machine stops and will start automatically when seed flow returns. When there is in-sufficient treating liquid the machine should stop. Accessories which are required to improve the efficiency of the machine shall be quoted separately.	One
14.	Z Type Elevator with Z box for gentle feeding of Soybean seeds in the buckets : Capacity : 10 TPH. On Soybean seeds. With 2 way electrically operated valve Discharge height to suit feeding height of Bagging bin. Other specifications shall be same as at Sr. No.2	One
15.	Automatic weighing, Bagging and Sealing System comprising of A. Bagging Bin : Capacity: 4 MT Cap. Based on Soybean, side wall and hopper in G I construction, divided in two portion each of two MT cap. with all standard features , height and fabrication for holding 4 M T soybean seeds for feeding to Automatic Weigher & Bagger which will be mounted at it's bottom Other specifications shall be same as given earlier.	One
	B. Automatic Weigher & Bagger : Automatic Weigher–Bagger (enclosed against dust ingress), approved by Weight & Measures Regulatory Authority, Easy clean-out facilities, Mounted at a convenient height to accommodate the longest 1.00 m bag, with adjustable height bag-platform, user-friendly, digital LED display of seed weight, input voltage, current, etc. for two under mentioned range of packing and control panel system, for following weighing range and capacity: Weighing Range: No. of bags per Min.: 1kg to 5 kgs 15 or more 10 kg to 50 kgs 5 or more	One set of each capacity
	C. Bag Closer With Conveyor : Matching Cap. Of Automatic Weigher & Bagger. It is suitable for stitching of jute bags, cloth bags, HDPE bags etc. It has twin needle, four thread, parallel double chain stitch sewing head. Stitching speed 10m per minute. The head is fitted on telescopic shaft and belt conveyor of 3 meter length & 0.30 m width .Electric motors operating on 220/440 V , single/three phase 50Hz. AC power supply. Complete with foot operated paddle switch .Sewing head height varies from 250 mm to 1000 mm depending on bag size.	Two

	D. Automatic Sealing Machine : Automatic sealing machine with all standard features and capable to form the seal from HDPE/Plastic granules to seal the bags. Sealing should have NSC/SSCA monogram embossed.	One
16.	Moisture Meter : Seed Moisture meter (Universal type) with all standard features. Able to measure the moisture content for all crop seeds including cereals, pulses, oil seeds, fibre, fodder and vegetable, from 8.5% to 30% directly without and chart. Operation by 6-12 volts battery or AC main 220-240 volts, single phase, 50 Hz, AC current. Equipment to be supplied along with all essential accessories and will all literature and detailed specification.	Two
17.	Electronic Weighing Scale : Capacity – 10kg, 100kg & 200 kg. Portable, Platform type with self indicating electronic display weighing balance complete with all standard features and meeting BIS specification.	One of each size
18.	Air Compressor : No. of cylinders : Two Air Tank capacity : 150-200 Litre Air pressure not less than : 7.5 Kg/square cm Complete with base frame with castors, 10 m air hose, air nozzle, T, Motor, starter, switch with auto start, stop. Electric motors operating on 220/440 V, single/three phase 50Hz. AC power support.	One
19.	Hand held bag Closing Machine : Capacity: 300-350 Bags Per Hour. Single thread, Chain Stitching, oscillating looper with automatic lubricating system, micro switch finger touch start, automatic thread cutting mechanism. Complete with electric motor of suitable size.	Two
20.	Raised Platform Structure for mounting Cleaning, Grading & Treatment Machine etc. : Made of heavy duty M.S. channels, angle iron, Clear height not to exceed 2 m from ground level. Complete with stair, railing & walking platform. The top sheet of the platform should be non-slippery & easy cleaning type.	1
21.	Undersize Collection System : Comprising of belt conveyor, V.B. Elevator and bagging bin. The capacity of bucket elevator & belt conveyor shall be 2 TPH on Soybean seed and capacity of bagging bin for undersize collection shall be 5 Tons on soybean seed.	One
22.	Electric control Panel P L C based With MIMIC Diagram as per C E specifications for operator safety : The panel shall be equipped with main on/off switch, change over switch to allow the machines to be powered either from the generator or main supply, voltmeter, ammeter, phase indicators, motor starters with protective relays and fuses, 2 Nos. 15 Amp sockets of 220V single phase are provided for ancillary equipment/lights etc. Control panel shall be fabricated as per prescribed "CE" norms. All motors fitted with the machines shall be tropically rated totally enclosed fan	One

	cooled type and current protecting. Suitable for 415 V, 50 Hz, 3 Phases, AC Supply. Lying of cables shall be as per prescribed "CE" norms.	
23.	Diesel Generating Set : Of suitable capacity comprising of Kirloskar /Cumins /Mahindra Diesel Engine & Alternator of Stamford / Kirloskar /Crompton/ /Jyoti for operating all above machines in the plant with 20% extra power load. The diesel set shall be silent type confirming to pollution control norms.	One
24.	AIR POLLUTION CONTROL SYSTEM : One air pollution control system shall be connected to the dump hopper, surge bin to be installed over Pre-Cleaner & Surge Bin to be installed over fine cleaner. Second air pollution control system shall be connected to dust canopy of Gravity separator, Indented Cylinder, Spiral Separator, bagging bin. Both the air pollution control systems shall be complete with electric motor of suitable horse power, cyclones & required length of G.I. ducting. Cyclones shall be installed outside the building. Air pollution control system shall be efficient and capable of keeping the machine area environmentally cleaned.	Two
25.	Elevator pit cover, seed diverting chutes, air ducting, electric cables, electric fittings, foundation frame, railing, stairs, supports, inspection window etc. wherever required to complete plant on turnkey basis shall be included by the Supplier for supply on turnkey basis. The supplier shall be responsible for F.O.R. delivery of all equipment at site including unloading of equipment. The Supplier shall take up installation & commissioning and trial run and hand over the plant to the purchaser on turnkey basis. All M.S. components shall be painted with two coats of red oxide primer followed by two coats of enamel paint. All Z elevators shall be painted in one color or in G I construction Main machines like pre-cleaner, Fine cleaner, Gravity Separator , Spiral Separator Indented cylinder and Seed Treater, shall be painted in one color. All bins, surge bins, bagging bins, dust pipes, delivery chutes preferably shall be bolted construction to save on transport cost. All fans shall be dynamically balanced. Bearing shall be NTN/SKF make. Motors shall be Kirloskar/Crompton/Siemens/ABB/ Bongfilioli/ Rotomotive make. Components of the control panel shall be Schneider/Siemens make. As far as possible, all machines shall confirm to "CE" requirements. Electric wires, cable etc. required for electrification of the plant shall be fire resistant low smoke type. Where there is more than one motor in the machine, a sub panel shall be provided to control the operation of the machine effectively. All the machine shall be interlocking so that entire plant stops when there is sudden break down in a particular machine.	As Per Requirement

	NOTE: All Cleaning, Grading and Treatment Machine to be installed on Raised Platform. All bins and hopper should be lined with rubber to avoid damage of soybean seeds. Discharge gate of bins shall be electrically operable. Motors 3 HP and above shall be fitted with soft starters. For accuracy, parts of Machines & Elevators should be fabricated in CNC Machine as far as possible. Shaft shall be made of EN-8 material. Test Certificate of MS sheet , M S Channels , Angle Iron etc to be submitted	
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PADDY SEED PROCESSING PLANT

S.No.	DESCRIPTION	REQUIRED TENTATIVE QUANTITY (No.)
	8 TPH Capacity(wheat basis) complete Paddy Seeds Processing Plant one each at Nandyal and Warangal (A.P.) and each plant comprising of Machines/ equipment with technical specification given here under Capacity of machines mentioned is through based on wheat seeds Bulk Density 750 Kg /cubic mt. (kg/m ³)	
1.	Intake Pit with oscillating feeder with VFD (variable frequency drive) for regulating the seed rate : Capacity 2 m³ with heavy duty grating. Hopper to be made out of M.S. Sheet not less than 2mm thickness. Oscillating feeder will shut off the discharge of seed from dump hopper to first elevator in the event of sudden power failure. Feeder will feed the seed after the power comes back. Hence, the main purpose of oscillating feeder is to regulate the feed rates and also to prevent damage to belt, motor, chain, coupling etc. of the bucket elevator.	One
2.	VERTICAL BUCKET ELEVATOR (SPS) WITH "Y" SECTION for gentle feeding of paddy seeds in machine : Capacity : 10 TPH. Based on wheat Seeds. Discharge height depending on the feeding height of pre cleaner (with One Way Discharge Valve to feed Pre Cleaner) Self supporting, centrifugal discharge Vertical Bucket Elevators shall have following standard features. V. BOTTOM BOOT ASSEMBLY: It shall be self cleaning type. The thickness of the boot shall be not less than 3 mm G.I. sheet. The pulley shall be mounted on a heavy duty shaft on self aligned ball bearings. Belt tightener shall be provided with the help of bake-lite guide for easy sliding of take up unit. Two removable slide gates shall be provided for easy and fast cleaning and rendering service to the bottom pulley. Boot pulley shall be wing type to prevent damage to the seed in between belt and pulley. MIDDLE SECTION LEGS: Each section of leg shall be made of not less than 2 mm thick G.I. sheet. It shall be provided with flanges at both ends. Belt inspection door shall be provided at suitable height. HEAD CASING: It shall be made of not less than 2.0 mm thick G.I. sheet, Detachable split cover with rubber inside shall be provided for accessibility to head pulley. Head pulley shall be rubberized and crowned for improved traction and shall be mounted on a heavy duty shaft and self aligned ball bearings. Sprockets shall be TLB type for easy and quick fitting. LADDER AND PLATFORM:- Ladder, service platform with safety cage of suitable size and height shall be provided to enable accessibility to the head boot and shall be made of M.S.	One

	BELT AND BELT SPEED: - NN belt shall be used for fastening of buckets (cups). The belt speed shall not exceed 1.2 m/sec. BUCKETS: Buckets of self cleaning type, PVC/Nylon/HDPE, or die pressed from M.S. sheet of 1.6 mm thick shall be used. These buckets shall be fastened with cup-bolt and washers with belt. Spacers shall be provided between buckets and belt to prevent damage to the seeds. DISCHARGE PIPE: Suitable dia discharge pipe made of 2.0 mm Stainless Steel (S.S.) or 3 mm ms. Sheet with both flanged shall be used for discharging the grain/seeds. ELECTRIC DRIVE : suitable HP, Geared motor of Rotomotive /Bonfiglioli/ Siemens/ Equivalent make and starter of Siemens/L&T for operation on 440 V, 3 phase, 50 cycles, A.C. Supply.	
3.	Surge Bin to be Installed Over Pre-Cleaner : Capacity: 1 Ton on Wheat seeds. Sides of the bin shall be made of Galvanized Iron (G .I.). Sheet not thinner than 1.6mm. Hopper bottom to be made of G.I. Sheet. Not thinner than 2mm. Support structure to be made of medium Mild Steel (M.S.) Channel not less than 100 x 50 mm with 12mm thick foundation plates. Angle iron bracing of size not thinner than 40 x 40 x 5 mm & 25 x 25 x 3 mm shall be provided for reinforcement wherever necessary. Discharge gate position to be provided to match with the feed hopper of equipment. Observation window shall be provided at two sides of bin to see seed level. Discharge gate of the bin shall be fitted with manually operated rack& pinion and also with electrically operated. Hopper Bottom of Bin to be made not less than 3 mm MS sheet and lined with anti abrasive material to avoid wearing.	One
4.	Seed Pre-Cleaner : Capacity : 10 Tons/hr. Based on Wheat seeds.(throughput) Machine shall be suitable for efficient Pre-Cleaning of all types of seeds particularly Paddy seed. 2-3 Screen Model, flat oscillating type. In 3 Screen Model no. of scalping shall be 2 and grading 1. Total screen area shall not be less than 8 m². Oscillating speed of screen deck should be variable. Sieve deck shall be made of insect & moisture resistant marine plywood. Frame of the machine shall be made of steel box construction in one section welded structure. Feeding hopper provided with feed control gate and rubber feed roller for uniform & continuous feeding. Sieve perforation cleaning by rubber ball or nylon brush. Double aspiration with pre & post suction. Aspirator fan should be dynamically balanced. Air control & feed control arrangement should be step less variable with the help of screw arrangement. Machine shall be supplied with electric motors, one set of screen for paddy seed. Additional set of screen, cyclone dust collector, air trunks and other accessories to improve the performance of the machine shall be quoted separately with full technical details.	One

5.	Bucket Elevator with Y section for gentle feeding of paddy seeds in the machine : Capacity : 10 TPH. On wheat seeds Discharge height to suit feeding height of fine cleaner. Other specifications shall be same as at Sr. No.2.	One
6.	Surge Bin To Be Installed Over Fine Cleaner : Capacity: 2 Ton. Based on wheat Seed Other specifications shall be same as at Sr. No. 3.	One
7.	Fine Cleaner : Capacity : 8 Tons/Hr. based on wheat seeds (Throughput) Machine shall be suitable for efficient fine cleaning of all types of seeds particularly paddy seed. 2-3 Screen Model, flat oscillating type. In 3 Screen Model no. of scalping shall be 1 and grading 2. Total screen area shall not be less than 10 m ² . Oscillating speed of screen deck should be variable. Sieve deck shall be made of insect & moisture resistant marine plywood. Frame of the machine shall be made of steel box construction in one section welded structure. Feeding hopper to be provided with feed control mechanism in the form of soft brushes to feed paddy seed gently without any damage uniformly and continuously. Sieve perforation cleaning by rubber ball or nylon brush. Double aspiration with pre & post suction. Aspirator fan should be dynamically balanced. Air control & feed control arrangement should be stepless variable with the help of screw arrangement. There shall be separate motor of suitable horse power for fan & sieve deck. Machine shall be supplied with electric motors, one set of screen for paddy seed. Additional set of screen, cyclone dust collector, air trunks and other accessories to improve the performance of the machine shall be quoted separately with full technical details.	One
8.	Bucket Elevator with y section for gentle feeding of paddy seeds in the machine : Capacity : 10 TPH. On wheat seeds Discharge height to suit feeding height of gravity separator. Other specifications shall be same as at Sr. No. 2.	One
9.	Specific Gravity Separator : Average throughput capacity : 8 TPH based on wheat seeds (Throughput) Specific gravity separator shall be capable of upgrading/separating paddy seed based on specific weight basis i.e. seeds same in size but different in weight shall be separated with this machine. Deck area should not be less than 3 m ² . There shall be separate motor for fan & deck. Oscillating speed of deck, feed rate shall be electrically controlled. Gravity Separator shall be supplied with feed hopper with adjustable gate, vibro feeder and dust aspiration hood. Other accessories which are required to improve the efficiency of the machine shall be quoted separately.	One

10.	Bucket Elevator with y section for gentle feeding of Paddy seeds in the machine With 2 way electrically operated discharge valve to feed cleaned seed in either seed treater or Bin for Weigher bagger. Capacity 10 TPH based on wheat seed. Discharge height to suit feeding height of seed treater and bin for weigher bagger. Other specifications shall be same as at Sr. No.2.	One				
11.	Automatic Weighing , Bagging and Sealing System Comprising of BAGGING BIN: Capacity: 4 MT Cap. wheat seeds Complete in all respect, features of fabrication as per Sl.No. 3, having Bin size, type & section of materials to hold 4 MT Paddy Seeds. Automatic Weigher & Bagger will be mounted on the bottom of opening of bin.	One				
	A. Automatic Weigher & Bagger: Automatic Weigher–Bagger:- Automatic Weigher-Bagger (enclosed against dust ingress), approved by Weight & Measures Regulatory Authority, Easy clean-out facilities, Mounted at a convenient height to accommodate the longest 1.00 m bag, with adjustable height bag-platform, user-friendly, digital LED display of seed weight, input voltage, current, etc. for one under mentioned range of packing and control panel system, for following weighing range and capacity: <table><tr><td>Weighing Range:</td><td>No. of bags per Min.:</td></tr><tr><td>1kg to 5 kgs</td><td>15 or more</td></tr></table>	Weighing Range:	No. of bags per Min.:	1kg to 5 kgs	15 or more	One
Weighing Range:	No. of bags per Min.:					
1kg to 5 kgs	15 or more					
	B. HEAVY DUTY BAG STITCHING MACHINE WITH CONVEYOR: Matching Cap. Of Automatic Weigher Bagger .It is suitable for stitching of jute bags, cloth bags, HDPE bags etc. It has twin needle, four thread, parallel double chain stitch sewing head. Stitching speed 10m per minute. The head is fitted on telescopic shaft and belt conveyor of 3 meter length & 0.30 m width .Electric motors operating on 220/440 V , single/three phase 50Hz. AC power support. Complete with foot operated paddle switch .Sewing head height varies from 250 mm to 1000 mm depending on bag size.	One				
	C. Automatic Sealing Machine: Matching cap. Of Automatic Weigher & Bagger, Automatic sealing machine with all standard features and capable to form the seal from HDPE/Plastic granules to seal the bags supplied by the conveyor or alternative method of sealing. Sealing should have NSC/SSCA monogram embossed.	One				
12.	Continuous Type Seed Treater universal type: Throughput capacity 8 TPH based on wheat seed. Seed Treating Machine shall be compact & versatile unit with latest technique for treatment of seed with fungicides & pesticides in liquid form, powder form or slurry form The application of liquid chemical to the seed shall be in mist form. The chemical dosage system shall be accurate, automatic & synchronized with dosing of seed. Dosage of seed for treatment shall be accurate and reliable. Liquid as well as seed dosage calibration should be in a closed system without sacrificing seed or treating liquid. Parts coming in contact with chemical shall be made of 304 stainless steel. Capacity of pre-mix tank should not be less than 200 litres. Motor for stirring the liquid in pre-mix tank shall not be more	One				

	than 5 HP. The machine shall be equipped with sensors to monitor the flow of seed and treating liquid. When the seed flow to the machine is interrupted, machine stops and will start automatically when seed flow returns. When there is in-sufficient treating liquid the machine should stop. Accessories which are required to improve the efficiency of the machine shall be quoted separately.	
13.	Bucket Elevator with y section for gentle feeding of Paddy seeds in the Bin for Weigher Bagger : Capacity : 10 TPH. On wheat seeds. Discharge height to suit feeding height of Bagging bin. Other specifications shall be same as at Sr. No.2.	One
14.	Hand Held bag Closing Machine : Capacity: 300-350 Bags Per Hour. Single thread, Chain Stitching, oscillating looper with automatic lubricating system, micro switch finger touch start, automatic thread cutting mechanism. Complete with electric motor of suitable size.	Two
18.	Moisture Meter : Seed Moisture meter (Universal type) with all standard features. Able to measure the moisture content for all crop seeds including cereals, pulses, oil seeds, fibre, fodder and vegetable, from 8.5% to 30% directly without and chart. Operation by 6-12 volts battery or AC main 220-240 volts, single phase, 50 cycle AC current. Equipment to be supplied along with all essential accessories and will all literature and detailed specification.	Two
19.	Weighing Scale (Electronic) : Capacity – 10kg, 100kg & 200 kg. Portable, Platform type with self indicating electronic display weighing balance complete with all standard features and meeting BIS specification.	One of each size
20.	Air Compressor : No. of cylinders : Two Air Tank capacity : 150-200 Litre Air pressure not less than : 7.5 Kg/square cm Complete with base frame with castors, 10 m air hose, air nozzle, T, motor, starter, switch with auto start, stop. Electric motors operating on 220/440 V , single/three phase 50Hz. AC power supply	One
21.	Raised Platform Structure for mounting of all Cleaning, Grading & Treatment Machines etc. : Made of heavy duty M.S. channels, angle iron, Clear height not to exceed 2 m from ground level. Complete with stair, railing & walking platform. The top sheet of the platform should be non-slippery & easy cleaning type.	One
22.	Undersize Collection System : Comprising of belt conveyor, V.B. Elevator and bagging bin. The capacity of bucket elevator & belt conveyor shall be 2 TPH on wheat seed and capacity of bagging bin for undersize shall be 5 Tons on paddy seed.	One
23.	Electric control Panel P L C based With MIMIC Diagram as per C E specifications for operator safety : The panel shall be equipped with main on/off switch, change over switch to allow the machines to be powered either from the generator or main supply, voltmeter, ammeter, phase indicators, motor starters with protective relays and	One

	fuses, 2 Nos. 15 Amp sockets of 220V single phase are provided for ancillary equipment/lights etc. Control panel shall be fabricated as per prescribed "CE" norms. All motors fitted with the machines shall be tropically rated totally enclosed fan cooled type and current protecting. Suitable for 415 V, 50 Hz, 3 Phases, AC Supply. Laying of cables shall be as per prescribed "CE" norms.	
24.	Diesel Generating Set : Of suitable capacity comprising of Kirloskar/ Cumins/ Mahindra Diesel Engine & Alternator of Stamford / Kirloskar/ Crompton/ /Jyoti for operating all above machines in the plant with 20% extra power load. The diesel set shall be silent type conforming to pollution control norms.	One
25.	AIR POLLUTION CONTROL SYSTEM: One air pollution control system shall be connected to the intake pit, surge bin to be installed over Pre-Cleaner & Surge Bin to be installed over fine cleaner. Second air pollution control system shall be connected to dust canopy of Gravity separator and bagging bin. Both the air pollution control systems shall be complete with electric motor of suitable horse power, cyclones & required length of G.I. ducting. Cyclones shall be installed outside the building. Air pollution control system shall be efficient and capable of keeping the machine area environmentally cleaned.	Two
26.	Elevator pit cover, seed diverting chutes, air ducting, electric cables, electric fittings, foundation frame, railing, stairs, supports, inspection window etc. wherever required to complete plant on turnkey basis shall be included by the bidder for supply on turnkey basis. The Supplier shall be responsible for F.O.R. delivery of all equipment at site including unloading of equipment. The Supplier shall take up installation & commissioning and trial run and hand over the plant to the purchaser on turnkey basis. All M.S. components shall be painted with two coats of red oxide primer followed by two coats of enamel paint. All V.B elevators shall be painted in one color or in G I construction Main machines like pre-cleaner, Fine cleaner, Gravity Separator, Seed Treater, shall be painted in one color. All bins, surge bins, bagging bins, dust pipes, delivery chutes preferably shall be bolted construction to save on transport cost. All fans shall be dynamically balanced. Bearing shall be NTN/SKF make. Motors shall be Kirloskar/Crompton/Siemens/ABB/ Bongfilioli/ Rotomotive make. Components of the control panel shall be Schneider/Siemens make. As far as possible, all machines shall confirm to "CE" requirements. Electric wires, cable etc. required for electrification of the plant shall be fire resistant low smoke type. Where there is more than one motor in the machine, a sub panel shall be provided to control the operation of the machine effectively. All the machine shall be interlocking so that entire plant stops when there is sudden break down in a particular machine.	As Per Requirement

	NOTE: All Cleaning, Grading and Treatment Machine to be installed on Raised Platform. All bucket elevators to be provided with anti reverse belt device and zero speed sensor to avoid belt slippage. Discharge gate of bins shall be electrically operable. Motors 3 HP and above shall be fitted with soft starters. For accuracy, parts of Machines & Elevators should be fabricated in CNC Machine as far as possible. Shaft shall be made of EN-8 material. Test Certificate of MS sheet, Channels, Angle etc to be submitted.	
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Seeds Processing & Supporting Equipment For Other Plants

S.No.	DESCRIPTION	Qty.	Location
1.	<u>VERTICAL BUCKET ELEVATOR WITH "Y" SECTION</u> Capacity : 5 TPH. Based on wheat Discharge height depending on the feeding height of pre cleaner (with One Way Discharge Valve to feed Pre Cleaner) Self supporting, centrifugal discharge Vertical Bucket Elevators shall have following standard features. V. BOTTOM BOOT ASSEMBLY: It shall be self cleaning type. The thickness of the boot shall be not less than 3 mm G.I. sheet. The pulley shall be mounted on a heavy duty shaft on self aligned \ ball bearings. Belt tightener shall be provided with the help of bake-lite guide for easy sliding of take up unit. Two removable slide gates shall be provided for easy and fast cleaning and rendering service to the bottom pulley. Boot pulley shall be wing type to prevent damage to the seed in between belt and pulley. MIDDLE SECTION LEGS: Each section of leg shall be made of not less than 1.6 mm thick G.I. sheet. It shall be provided with flanges at both ends. Belt inspection door shall be provided at suitable height. HEAD CASING: It shall be made of not less than 2.0 mm thick G.I. sheet, Detachable split cover with rubber inside shall be provided for accessibility to head pulley. Head pulley shall be rubberized and crowned for improved traction and shall be mounted on a heavy duty shaft and self aligned ball bearings. Sprockets shall be TLB type for easy and quick fitting. LADDER AND PLATFORM: Ladder, service platform with safety cage of suitable size and height shall be provided to enable accessibility to the head boot and shall be made of M.S. BELT AND BELT SPEED: NN belt shall be used for fastening of buckets (cups). The belt speed shall not exceed 1.2 m/sec. BUCKETS: Buckets of self cleaning type, PVC/Nylon/HDPE, or die pressed from M.S. sheet of 1.6 mm thick shall be used. These buckets shall be fastened with cup-bolt and washers with belt. Spacers shall be provided between buckets and belt to prevent damage to the seeds. DISCHARGE PIPE: Suitable dia discharge pipe made of 2.0 mm Stainless Steel (S.S.). Sheet with both flanged shall be used for discharging the grain/seeds. ELECTRIC DRIVE : suitable HP, Geared motor of Rotomotive / Bonfiglioli/ Siemens/ Equivalent make and starter of Siemens/L&T for operation on 440 V, 3 phase, 50 cycles, A.C. Supply.	3 Nos.	Bellary
2.	Seed Pre-Cleaner Capacity : 5 Tons/hr. Based on wheat seeds.(throughput) Machine shall be suitable for efficient Pre-Cleaning of all types of seeds.	1 No.	Bellary

	2-3 Screen Model, flat oscillating type. In 3 Screen Model no. of scalping shall be 2 and grading 1. Total screen area shall not be less than 4 m². Oscillating speed of screen deck should be variable. Sieve deck shall be made of insect & moisture resistant marine plywood. Frame of the machine shall be made of steel box construction in one section welded structure. Feeding hopper provided with feed control gate and rubber feed roller for uniform & continuous feeding. Sieve perforation cleaning by rubber ball or nylon brush. Double aspiration with pre & post suction. Aspirator fan should be dynamically balanced. Air control & feed control arrangement should be step less variable with the help of screw arrangement. Machine shall be supplied with electric motors, one set of screen for paddy seed. Additional set of screen, cyclone dust collector, air trunks and other accessories to improve the performance of the machine shall be quoted separately with full technical details.		
3.	Fine Cleaner Capacity : 4 Tons/Hr. based on wheat. Machine shall be suitable for efficient fine cleaning of all types of seeds. 2-3 Screen Model, flat oscillating type. In 3 Screen Model no. of scalping shall be 1 and grading 2. Total screen area shall not be less than 5 m². Oscillating speed of screen deck should be variable. Sieve deck shall be made of insect & moisture resistant marine plywood. Frame of the machine shall be made of steel box construction in one section welded structure. Feeding hopper to be provided with feed control mechanism in the form of soft brushes to feed seed gently without any damage uniformly and continuously. Sieve perforation cleaning by rubber ball or nylon brush. Double aspiration with pre & post suction. Aspirator fan should be dynamically balanced. Air control & feed control arrangement should be stepless variable with the help of screw arrangement. There shall be separate motor of suitable horse power for fan & sieve deck. Machine shall be supplied with electric motors, one set of screen for paddy seed. Additional set of screen, cyclone dust collector, air trunks and other accessories to improve the performance of the machine shall be quoted separately with full technical details.	1 No.	Bellary
4.	Specific Gravity Separator with big hopper and vibro feeder: Average throughput capacity : 4 TPH based on wheat. Specific gravity separator shall be capable of upgrading/separating all type seeds based on specific weight basis i.e. seeds same in size but different in weight shall be separated with this machine. Deck area should not be less than 1.5 m². There shall be separate motor for fan & deck. Oscillating speed of deck, feed rate shall be electrically controlled. Gravity Separator shall be supplied with feed hopper with adjustable gate, vibro feeder and dust aspiration hood. Other accessories which are	1 no.	Jalandhar

	required to improve the efficiency of the machine shall be quoted separately.		
5.	Air Compressor No. of cylinders : Two Air Tank capacity : 150-200 Litre Air pressure not less than: 7.5 Kg/square cm Complete with base frame with castors, 10 m air hose, air nozzle, T, Motor, starter, switch with auto start, stop. Electric motors operating on 440 V, three phase, 50Hz. AC power supply.	5 Nos.	One each for Jalandhar , Bharatpur, Shrigangana -gar, Bhatinda & Jalgaon
6.	Flat Belt Conveyor Cap.- 2 TPH Length- 7.60 m Electric motors operating on 440 V, three phase 50Hz. AC power supply.	1 No.	Jalgaon
7.	Elevator pit cover, seed diverting chutes, air ducting, electric cables, electric fittings, foundation frame, railing, stairs, supports, inspection window etc. wherever required to complete plant on turnkey basis shall be included by the bidder for supply on turnkey basis. The Supplier shall be responsible for F.O.R. delivery of all equipment at site including unloading of equipment. The Supplier shall take up installation & commissioning and trial run and hand over the machine to the purchaser on turnkey basis. All M.S. components shall be painted with two coats of red oxide primer followed by two coats of enamel paint. All V. B. Elevators shall be painted in one color or in G I construction Main machines like pre-cleaner & Fine cleaner shall be painted in one color. All dust pipes, delivery chutes preferably shall be bolted construction to save on transport cost. All fans shall be dynamically balanced. Bearing shall be NTN/SKF make. Motors shall be Kirloskar/Crompton/Siemens/ABB/ Bongfilioli/ Rotomotive make. Components of the control panel shall be Schenider /Siemens make. As far as possible, Electric wires, cable etc. required for electrification of the plant shall be fire resistant low smoke type. Where there is more than one motor in the machine, a sub panel shall be provided to control the operation of the machine effectively.	One Job	As per Requirement

OBLIGATIONS

RESPONSIBILITIES OF SUPPLIER & PURCHASER ARE GIVEN BELOW:-Applicable for Section 1 A ,1 B and 1 C:

I. OBLIGATIONS OF THE SUPPLIER:

- 1) Inspection of installation site, prepare the layout and get it approved by the purchaser.
- 2) Opening of packing boxes at site of installation.
- 3) Assembly & erection of equipment.
- 4) Construction of civil foundation of the machine and intake pit if any based on drawings.
- 5) To arrange cement, bricks, sand, aggregate and any other material required for installation of the machines.
- 6) To provide electrical connection to all equipment from the supplied electrical control panel. The electrical control panel shall be installed at maximum distance upto 5 meter from the machine.
- 7) Commissioning & trial of machines with the product.
- 8) Training to the purchaser's staff in proper maintenance & operation of the machine at the time of installation and for 15 days after Commissioning of Plant.
- 9) To arrange unskilled labourers, electrician, mason etc.
- 10) To arrange Tools & tackles, as required.
- 11) Digging of pit for intake hopper for elevator, for foundation bolts for machines and finishing them for installation.
- 12) Crane, fork lift & any other heavy tool required for transporting the equipment from the unloading point to the installation site to be arranged by the suppliers.
- 13) Desired height platform for fitting of dust collector outside the building shall be provided by the supplier.
- 14) Opening/gate height or width renovation will be done by the supplier to bring the machines inside the godown.
- 15) Any other work as required to give completely installed operable plant.

II. OBLIGATIONS OF THE PURCHASER:-

- 1) Proper building & space for installation & commissioning of the machines/plants & any other civil work beyond supplier scope shall be provided by the purchaser.
- 2) Electric cables from main grid to control panel with proper earthing and connecting the electric supply to the control panel to be arranged by the Purchaser.
- 4) Facility to work at site after office hours/holidays, if required shall be provided by the Purchaser.
- 5) To provide one technician or Engineer at the time of commencement of installation work who will work with installation team and take training in erection, operation and maintenance of machines and plant.
- 6) The purchaser shall provide a warehouse to store the equipment which need protection from bad weather conditions & thefts etc.
- 7) Purchaser shall arrange electric connection at site to run the tools & equipment required for installation & commissioning of the project.
- 8) Purchaser shall make arrangement for water at site for civil works and also safe drinking water for work force to be engaged to install & commission the project.
- 9) To provide raw material (seed, grain etc.) for trial purpose.
- 10) Licenses, permissions & necessary authorization for the installation if required shall be arranged by the Purchaser.

NATIONAL SEEDS CORPORATION LTD.

SECTION - II

MACHINE/EQUIPMENT DETAILS SEED PROCESSING & RELATED EQUIPMENT

TECHNICAL DETAILS OF OFFERED MACHINES: - Complete details, drawing, printed matter, test report etc of individual machines offered in the tender must be furnished as per proforma given here as under:

1.	Plant Location	Name of the Equipment's	Model No.	Capacity	Detail Of Prime mover (i.e. Make, Cap. etc)	Material used for fabrication of Main Parts of Machine (i.e. body , deck , segment , hopper etc)	Technical Features Such as screen area, screen size, no of aspirations, air volume of fan, perforation cleaning device, make of bearing, belt, starter, switch ,chain ,sprocket ,bucket ,belt speed, etc	Others details if any like soft starter, rubber lining anti abrasive lining, screen flow diagram, test certificate ,CE requirements provided or not	Literature, Drawing, Test Certificate, List of users, Performance Certificate etc.

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SECTION – III

ANNUAL ONSITE MACHINERY MAINTAINACE CONTRACT

Bidder should also offer annual site machinery maintenance contract for three years which should include following requirements.

1. Duration of Contract
 2. Procedure for carrying out maintenance contract
 3. Number of visit per season /month
 4. Per Year Maintenance Charges including spare parts / without spare parts location &
plant wise.
 5. Payment Terms
 6. Other terms & Condition if any
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NATIONAL SEEDS CORPORATION LTD.

SECTION – IV

DESPATCH DESTINATION

Dispatch Destinations: - Address & Phone Nos. of dispatch destinations are as under:-

Sl.No.	Address	Ph. No. /Mb. No.,
1.	Area Manager National Seeds Corporation Ltd., Cotton Ginning Factory, Chittorgarh- 312001	Phone No. 01472-245087 Mobile. No. 09928006542
2.	Area Manager National Seeds Corporation Ltd., Koilkuntla Road, Noonepally, Nandyal- 518503, Distt- Kurnool	Phone No. 08514-246207 Mobile No. 09949996844
3.	Area Manager National Seeds Corporation Ltd., D. No. 2-11, Modikonda Hanamkonda Mandal, Warangal- 506142	Phone No. 0870-2100005 Mobile No. 09949996845
4.	Area Manager National Seeds Corporation Ltd., Indraprastha Industrial Area, Kota - 324005	Phone No. 0744-2425954 Mobile No. 09928006544
5.	Area Manager , National Seeds Corporation Ltd. Plot No.-132 –A , Industrial Area, Jalgaon-425001	Ph. No. -0257-2210744 Mb. No.- 09960700704
6.	Area Manager , National Seeds Corpn. Ltd. Plot No. –A-2 , Focal Point , Dabwali Road , Bhatinda- 151006	Ph. No. 0164-2280346 Mb. No. - 08427455266

7.	Area Manager , National Seeds Corpn. Ltd ; No.-732-A , Guggarahatti, Bellary, Bangalore Road , Bellary- 583102	Ph. No.- 08392-2501781 Mb. No. - 09900247941
8.	Area Manager , National Seeds Corpn. Ltd. C-25, Focal point , By pass, Jalandhar - 144004	Ph. No. -0181-2602162 Mb. No. 09779300972
9.	Area Manager , National Seeds Corpn . Ltd. Abohar Road , Industrial Area , Shriganganagar - 335001	Ph. No. 0154-2486647 Mb. No. -9928006545
10.	Area Manager , National Seeds Corpn. Ltd. A-12-13 , Industrial Area , Bharatpur - 321001	Ph. No. 05644-222713 Mb. No.- 09928006541
