SPECIFICATION SHEET - SEED-CUM-FERTILIZER DRILL

INDIAN STANDARD TEST CODE IS: 6316:1993

A-1 GENERAL
   a) Name
   b) Type
   c) Make
   d) Serial No.
   e) Model
   f) Year of manufacture
   g) Different seeds which the drill is designed to sow
   h) Source of power
   j) Recommended traveling speed of the drill
   k) Recommended power of tractor (if tractor operated)
   m) Location of fertilizer outlet in relation to seed outer.

A-2 FURROW OPENERS
   a) Type and tilt angle with respect to vertical
   b) No. of openers
   c) Arrangement of openers
   d) Range of selection of openers
   e) Method of changing row space and range
   f) Nominal width
   g) Lifting and lowering of openers
   h) Depth control
   j) Fertilizer placement with respect to seeds

A-3 METERING MECHANISM
   a) Seed metering device:
      1) Type
      2) Size of feed shaft
      3) Size (dia) and number of fluted rollers (in case of plate type, the number of holes)
      4) Source of power (ground wheel or others)
      5) Transmission ratio of shall of seed metering device to and wheel axle
      6) Type of agitator
7) Method of feed rate control for different sizes of seeds
8) Provision for closing seed discharge

b) Fertilizer distributor:
   1) Type
   2) Size of shaft specified
   3) Size and number of metering device
   4) Type of agitator
   5) Method of feed rate control
   6) Provision for closing and opening of hopper gate
   7) Transmission ratio of the feed shaft to land wheel axle

A-4 HOPPER
   a) Capacity:
      1) Seed box
      2) Fertilizer box
      b) Type of hoppers.

A-5 MARKER DETAILS
   a) Type
      b) Details of range of adjustment

A-6 SEED COVERING ARRANGEMENT

A-7 TYPE OF HITCH AND ITS DETAILS

A-8 GROUND DRIVE DETAILS
   a) No. of wheels
   b) Type of wheel
   c) Size
   d) Method of transmitting power to feed shafts

A-9 DETAILS OF ADJUSTMENTS

A-10 DETAILS OF SAFETY ARRANGEMENT FOR ROTATING PARTS

A-11 DIMENSIONAL DETAILS OF HANDLE, ITS HEIGHT FROM GROUND LEVEL AND ADJUSTMENT, IF ANY (IN CASE OF ANIMAL-DRAWN DRILLS)

A12- OVERALL DIMENSION
   a) Length
   b) width
c) Height

d) Weight with seeds and fertilizers

e) Ground clearance

**A-13 NUMBER OF GREASING POINTS**

**A-14 DETAILS OF MATERIAL OF CONSTRUCTION**

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<th>SI No.</th>
<th>Name of Pan</th>
<th>Material</th>
<th>Section, or Size in ms</th>
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**A-15 TYPE OF TEST REQUIRED**

Commercial / Confidential