

1. Technical Specification of Tractor for 45 HP to 50 HP

Items(Parts)	Particulars	Required Specifications
Engine	Type	4 Stroke, Direct Injection, Diesel Engine
	No. of Cylinder	Not less than 3
	HP Category	Not less than 45 HP
	Displacement	At least 2700 CC
	Cooling	Water Cooled
	Fuel injection pump	Inline Type
	Air Cleaner	Dry/Oil Bath Type Air Cleaner
	Cooling System	Water Cooled
Transmission	Type	Heavy Duty Sliding/constant Mesh
	Clutch	Dual Clutch
	Gear Box	At least 8 forward and 2 reverse
	Battery	At least 12 V 80 Ah
	Road Max. Forward Speed	Minimum 30 km/hr
	Road Max. Reverse speed	Minimum 13 km/hr
Brake	Brake	Water Sealed Oil Brake
Steering	Type	Mechanical/Power Steering
Power Take Off	Type	Independent
	RPM	540 RPM
Fuel Tank	Capacity	Not less than 45 lit
Dimensions and Weight of Tractor	Total Weight	Not less than 1800 Kg
	Wheel Base	At least 1900 mm
	Ground Clearance	Not less than 400mm (at Rear Wheel)
Hydraulics	Lifting capacities	Minimum 1500 kgf (kilogram-force)
	Linkage	3-point Linkage
Wheels and Tyres	Wheel Drive	2 Wheel Drive
	Front	Standard
	Rear	Standard
Accessories	Tools Set	Yes
	Toplink	Yes
	Canopy (Hood)	Yes
	Hooks, Drawbar and Bumper	Yes
	Front Weight	Yes
	Additional Features	Laser land leveler connector, Mobile Charger, Asli Side Shift, Auxiliary Hydraulic
	Instrumentation	Hour and rpm meter, oil pressure gauge, water temperature gauge, ammeter etc.
	Warranty	Not less than two years/2000hrs free for both parts and services
	Others	Home service if necessary and Catalogues of the original Manufacturer should be submitted

2. Technical Specification of Tractor for 50 HP to 55 HP

Items(Parts)	Particulars	Required Specifications
Engine	Type	4 Stroke, Direct Injection, Diesel Engine
	No. of Cylinder	Not less than 3
	HP Category	Not less than 50 HP
	Displacement	At least 2700 CC
	Cooling	Water Cooled
	Fuel injection pump	Inline Type/ rotary pump
	Air Cleaner	Dry/Oil Bath Type Air Cleaner
	Cooling System	Water Cooled
Transmission	Type	Heavy Duty Sliding/constant Mesh
	Clutch	Dual Clutch
	Gear Box	At least 8 forward and 2 reverse
	Battery	At least 12 V 80 Ah
	Road Max. Forward Speed	Minimum 30 km/hr
	Road Max. Reverse speed	Minimum 12 km/hr
Brake	Brake	Water Sealed Oil Brake
Steering	Type	Mechanical/Power Steering
Power Take Off	Type	Independent
	RPM	540 RPM
Fuel Tank	Capacity	Not less than 55 lit
Dimensions and Weight of Tractor	Total Weight	Not less than 2000 Kg
	Wheel Base	At least 1900 mm
	Ground Clearance	Not less than 400mm (at Rear Wheel)
Hydraulics	Lifting capacities	Minimum 1700 kgf (kilogram-force)
	Linkage	3-point Linkage
Wheels and Tyres	Wheel Drive	2 Wheel Drive
	Front	Standard
	Rear	Standard
Accessories	Tools Set	Yes
	Toplink	Yes
	Canopy (Hood)	Yes
	Hooks, Bumper, Drawbar	Yes
	Front Weight	Yes
	Additional Features	Laser and leveler connector, Mobile Charger, Asli Side Shift, Auxiliary Hydraulic
	Instrumentation	Hour and rpm meter, oil pressure gauge, water temperature gauge, ammeter etc.
	Warranty	Not less than two years/2000hrs free for both parts and services
	Others	Home service if necessary and Catalogues of the original Manufacturer should be submitted

3. Technical Specification of Tractor for 55 HP to 60 HP

Items(Parts)	Particulars	Required Specifications
Engine	Type	4 Stroke, Direct Injection, Diesel Engine
	No. of Cylinder	Not less than 3
	HP Category	Not less than 55 HP
	Displacement	At least 2700 CC
	Cooling	Water Cooled
	Fuel injection pump	Inline Type/ rotary pump
	Air Cleaner	Dry/Oil Bath Type Air Cleaner
	Cooling System	Water Cooled / Intercooler
Transmission	Type	Heavy Duty Sliding/constant Mesh/ synchromesh
	Clutch	Dual Clutch
	Gear Box	At least 8 forward and 2 reverse
	Battery	At least 12 V 80 Ah
	Road Max. Forward Speed	Minimum 30 km/hr
	Road Max. Reverse speed	Minimum 12 km/hr
Brake	Brake	Water Sealed Oil Brake/ OIB
Steering	Type	Mechanical/Power Steering
Power Take Off	Type	Independent
	RPM	540 RPM
Fuel Tank	Capacity	Not less than 60 lit
Dimensions and Weight of Tractor	Total Weight	Not less than 2100 Kg
	Wheel Base	At least 2000 mm
	Ground Clearance	Not less than 425mm (at Rear Wheel)
Hydraulics	Lifting capacities	Minimum 1800 kgf (kilogram-force)
	Linkage	3-point Linkage
Wheels and Tyres	Wheel Drive	2Wheel Drive/ 4Wheel Drive
	Front	Standard
	Rear	Standard
Accessories	Tools Set	Yes
	Toplink	Yes
	Canopy (Hood)	Yes
	Hooks, Bumper, Drawbar	Yes
	Front Weight	Yes
	Additional Features	Laser land leveler connector, Mobile Charger, Asli Side Shift, Auxiliary Hydraulic
	Instrumentation	Hour and rpm meter, oil pressure gauge, water temperature gauge, ammeter etc.
	Warranty	Not less than two years/2000hrs free for both parts and services
	Others	Home service if necessary and Catalogues of the original Manufacturer should be submitted

4. Technical Specification of Two Wheel Power Tiller

Description	Required Specifications
Engine Type	Four stroke, water cooled, Horizontal, single cylinder, Diesel Engine
Engine power	Specification
No. of Gear speed	6 Forward + 2 Reverse
No. of blades	20
Cooled system	Radiator
Weight	390kg
Overall dimension(mm)	2680*960*1250
Wheel tread (mm)	800, 740, 640, 580
Tyre	6.00-12
Ground clearance (mm)	182
Clutch type	Two-disc. Constant- contact, friction
Fuel consumption (liter/hr)	1.2-1.5

5. Technical Specification of Mini Tiller

Description	Required Specifications
Engine Model	
Engine Type	Single cylinder, Air cooled, Diesel engine
Engine power	9 HP @3000-4000 rpm
Starting	Recoil type (Manual), Handle and self type
Fuel tank capacity (L)	4 -5 liter
No. of Gear speed	3 (2 forward +1 reverse)
No. of blade	38
Cooled system	Air cooled
Weight	125 -150 kg
Overall dimension (mm)	1750*1350*900
Handle Adjust	Horizontal and Vertical
Tyre	4.00- 8, 2 ply
Clutch type	Wet friction plate
Fuel consumption (lt/hr)	0.6- 1

6. Technical Specification of Laser land leveler

Description	Specification
Width of Blade	6 feet (1825 mm), 7 feet (2100 mm)
Bucket Height	2 feet (600 mm)
Overall Length	11.5 feet (3350), 12.0 feet (3650)
Over all Height	8 feet (2430mm)
Weight	770Kg./810Kg.
Ground Clearance	10 (250mm)

7. Technical Specification of Rice Transplanter

Description	Required Specifications
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Number of Transplanting Rows	4
Row Spacing	23 cm/ Adjustable
Rated Power	Not less than 3 KW (4HP)
Displacement	At least 269 cc
Fuel Consumption	0.5- 1 liter/hr
Output Performance	Minimum 0.4 ha/4.5 hr
Engine Type	4-stroke
Fuel Used	Diesel
Speed	At least 2600 RPM
Depth	At least 45 mm
Gear Teeth	
Type of Operation	Ride-on
Weight of the Machine	Not less than 300 kg
Fuel Tank Capacity	Not less than 4.5 L

8. Technical Specification of Paddy Thresher

Particulars	Required Specifications
Thresher Operation Type	Tractor operated
Suitability of Power Source	35- 55 HP
Capacity	Minimum 2500 kg/hr
Material	Mild Steel
Threshing Drum:	
Thickness	At least 3.0mm
Type of Drum	Cylindrical
Dia. Of Drum	At least 595mm
Total length of Drum	At least 1810mm
Size of Pegs	37*7*120 mm
Shaft:	
Dia. Of Shaft	At least 61.0 mm
Material used for Shaft	M.S. Rod
Outlet:	
size of Outlet	352* 310mm
Weight of Thresher	>= 1350.0 kg
Warranty	Minimum 2 yrs

9. Technical Specification of Maize Sheller

Description	Required Specifications
Electric motor power	1HP to 5HP
Capacity	At least 100 kg/ Hour
Operation Mode	Semi-Automatic
Electricity Connection	Single Phase
Material of Construction(Contact)	MS

10. Technical Specification of Wheat Thresher

Description	Required Specifications
Threshing Drum Diameter	At least 600 mm

Width	At least 915 mm
No. of Blades	
Cylinder	At least 24 bars tooth
Sieves	At least 2
BLOWER	
No. of Blower	At least 2
Speed	Fixed
LOAD WHEEL	
Weight(Approx.)	100 Kg
OVERALL DIMENSION	
Length	Minimum 4000 mm
Width	Minimum 1550 mm
Height	Minimum 2200 mm
Weight	Approx. 1150 Kg
Threshing Efficiency	Above 94%
Cleaning Efficiency	94-99.9%
Capacity	Minimum 2000 kg/hr
Warranty	Minimum 2 yrs

11. Technical Specification of Multicrop Thresher

Description	Required Specifications
Function	Multi Crop
Power Required	Above 35 HP
Capacity	Minimum 2000 Kg/hr
Usage/Application	Agriculture
Material	Mild Steel
Threshing Drum	
Width	Minimum 900 mm
Length	Minimum 760 mm
No. of Round cutting blade	At least 3
Thickness	At least 3mm
Main Shaft	At least 70 mm
Warranty	Minimum 2 yrs

12. Technical Specification of Cage Wheel

Description	Specification
Cage wheel	Heavy metal design with Heavy Duty

13. Technical Specification of ZTD Seed cum Fertilizer Machine

Description	Specification
No. of Rows	Not less than 11 & 9 Rows.
Row to row spacing	7" Standard & Adjustable
Fertilizer Metering	Agitator & Sliding Orifice type
Seed Dropping	Fluted Roller

14. Technical Specification of Rotavator

Description	Required Specification
Size	6 feet
Gear box	Multi Speed
Side Drive	Gear Drive
Total Width	Not less than 80 inches
Working Width	Not less than 75 inches
Working Depth	4 to 6 inch
Working Depth Control	Skid Fitted as Standard
PTO Speed	450 to 1000 rpm
Number of blades	42 to 54 (L-Shaped)
Product should be Painted by	Powder coated heat paint
Blades Material	Brown Steel
Warranty	At least one year
Others	Catalogues of the original Manufacturer should be submitted

15. Technical Specification of Tractor operated Ridger

Description	Specification
Tubular Frame	Square pipe 182*100*8 mm
Number Disc	2
Disc Size	670 mm*4 mm
Width	Not less than 1100 mm
Working depth	330 mm
Disc type	Plain
Axle type	Spindle
Disc Angle	Adjustable
Bearing Hubs	2
Weight	Not less than 210 kg

16. Technical Specification of Maize planter

Description	Required Specifications
Name	Maize planter
No. of rows	Not less than 3 row
Row to row spacing	24" standard & adjustable
Fertilizer metering device	Agitator and sliding orifice type
Seed dropping	Rotating disc with cell on its periphery

17. Technical Specification of Potato planter

Description	Required Specifications
Number of Rows	2
Working Depth (Adjustable)	Minimum 200 mm
Row to row spacing (Adjustable)	600 - 660 mm
Potato Spacing (Adjustable) Range	140 to 420 mm
Power Transmission System	Chain & Sprocket - Belt & Pulley
Travel Speed during planting	Minimum 2 (km/hr)
Number of Cups	2 X 40
Number of Belt Conveyors	2
Potato Seed Size	20 - 60 mm
Hopper Capacity	At least 200 kg
Required Power	40 - 60 hp
Weight of machine w/o seeds	Approx 560 kg
Cup insertion for small seeds	Optional

18. Technical Specification of Trencher

Description	Required Specifications
Overall dimension	
length	At least 1600 mm
Height	At least 1250 mm
Width	At least 940 mm
weight	At least 240 kg
width of cut	At least 300 mm
Max. depth of cut	At least 300 mm
Mould board component	
i) Front	
Type	Parabolic
Length	At least 910 mm
Height	At least 390 mm
ii) Rear	
Type	Parabolic
Length	At least 850 mm
Height	At least 490 mm
Power required	
Tractor, hp	35- 45hp

19. Technical Specification of Power Sprayer

Description	Required Specifications
Capacity	At least 16 liter
Power source	Battery / Manual
Battery Backup	At least 6 hour

20. Technical Specification of Tractor mounted Reaper with Binder

Description	Required Specifications
Function	Suitable for Harvesting and Binding of Grain Crops in a Single operation
Crops to be harvested	Suitable for Wheat, Paddy and other Grains Crops having height 85 cm to 110 cm
Field Cap.	Minimum 0.4 Ha /Hr
Required Tractor Power	30 HP or Above
Cutting Width	Minimum 1.2 meter
Height of Cut	Between 3 to 5 cm
Warranty	At least one year

21. Technical Specification of Disc Harrow

Description	Specification
Main frame	MS Channel 100×50 and MS Angle of 65×8 mm.
Gang bolt	MS Square 32 mm 2 Nos.
Discs	Front 6/7 and Rear 6/7 (Plain or Scalloped as Required) of 550 mm Dia Made out From High Carbon Steel Duly Hardened and Tempered.
Spool spacer & bumper	CI. Casting
Crank levelling lever	MS Round 28 mm Dia.
Strut assembly	Bridge Strut is Extended up to Full Length of Strut Bars Made out from MS Flat 50×10 mm.
Pitch of disc	225 mm.
Weight	Not less than 320 Kg.
Over all length	79”
Over all width	60 “
Over all height	49”

22. Technical Specification for Bag Sewing Machine

Description	Required Specifications
Stitch Type	Two Thread Double Chain Stitch x 2 Rows
Stitch Length	Adjustable from 11-18 stitches per 100 mm
Thickness	Upto 8mm
Needle	Standard
Speed	Upto 2800 RPM
Thread	Tape/Yarn/Thread
Lubrication	Automatic
Weight	About 40Kgs

23. Technical Specification of Digital soil testing machine

Description	Required Specifications
Testing Type	Soil Fertility, Soil Suitability, Soil Nutrients
Battery Backup	Minimum 6 Hours
Bluetooth	Yes
Fertilizers Recommendation for Crops	At least 100 Crops
Parameters Tested	Minimum 14
Rotary Shaker Platform Size	Minimum 300mm x 300mm

24. Technical Specification of Hydraulic trolley

Description	Specification
Hydraulic Cylinder capacity,	Not less than 5 ton.
Size of the Trailer Length	Length-3200 mm*Width-1830mm*Height 560mm
Chassis and main Base Frame Base chassis size	150 mm. X 75 mm. of C type channel. Cross channel over chassis should be of min. 100 mm X 50 mm size having at least six cross members and two longitudinal member. Additional suitable longitudinal member size 120 X 65 mm may also be provided for hydraulic jack fittings, if required.
Side Wall Sheet	Not less than 3.50 mm MS sheet all side open type on hinges except front one.
Floor Sheet	Not less than 6.00 mm MS sheet
Axle	Not less than 75*75 mm MS square or found 80 mm dia (min).The number of axle may be one.
Wheel Hub 02 nos. wheel hub heavy duty of 08 holes with branded wheel bearings.	2 Wheel Hub and wheel hub heavy duty of 08 holes with branded wheel bearings.
Towing hook Spring loaded towing hook of min 36 mm MS round	Not less than 36 mm MS round towing hook Spring loaded
Fittings	2 No's light reflectors, 2 No's Registration plates, steel hook etc.
Tyre	Tyre Assembly & wheel 02 nos. wheels (double plated ring type with 8 holes) and accordingly tyre should be two of size 9.00X20 (16 PR) of Branded.
Painting	One Coat of Red Oxide and 2 coats of super synthetic enamel paint.

25. Technical Specification of Power Weeder

Description	Specification
Prime Mover	2.5 Hp and above engine (petrol, Diesel)
Working width	300 mm above
Traction Wheel	Two wheel with traction type
Main clutch	One
Turning clutch	two
Rotary weeding unit	Blades mounted on flanges of rotor shaft
Weight	Not less than 170 kg.
Attachments	Ridger, cultivator, one bottom plough, digger etc should be provided.

26. Technical Specification of Tractor Reaper

Description	Required Specifications
Type	Power to machine is given from tractor PTO with help of intermediate shaft running beneath the body of the tractor and a coupling shaft
Power source	Not less than 35 HP
Outer Bar Assembly width	2.2 m
Type of crop conveying mechanism	Two, lugged nylon canvas belt
Type of pick up mechanism	Star wheel
Crop dividers	Fitted in front of the cutter bar assembly and star wheels mounted on the crop dividers
Height control	Through pulleys and steel ropes with help of tractor hydraulic
Field capacity	Not less than 0.5 hec/hr
Field Efficiency	Not less than 70 %

27. Technical Specification of Potato Digger

Description	Required Specifications
Number of row	1
Total width	At least 1600 mm
Total length	At least 1490 mm
Total height	At least 1000 mm
Working depth	200-250mm
working width	At least 600mm
Distance between row	At least 725 mm
Sub-merging angle	About 23degree
sieving area	Not less than 1m ²
Inclined angle of sieve	About 12degree
Number of blade	At least 1
Working capacity	At least 0.15 ha/hr
PTO rotation	
Power required	above 45hp
weight	400kg

28. Technical Specification of Mould Board (M.B) plough

Description	Specification
Size	2-3 FURROW
Mould board	MS Plate
Blade	High Carbon
Tine	Approximately 36 mm thickness Made out from MS Plate
Weight	200-300 Kg. Approximately
Over all length	54 “
Over all width	48 “
Over all height	43 “

29. Technical Specification Seed Treater Machine

Description	Required Specifications
Usage/Application	Industrial
Type Of Machines	Seed Treating
Capacity	At least 2 ton/hr
Weight	850 Kg (Approx)
Material	Mild Steel
Power Source	Electricity
Electric motor	About 2 HP

30. Technical Specification of Solar Dryer

Description	Required Specifications
Size of the chamber(Minimum)	Length - 2200 mm, Width - 1200 mm, Height - 1200 mm
Operating temperature	At least 60 deg. C
Blowers	Minimum 2 pairs of 1 HP each
Power Supply	About 240V Single Phase / 440 V 3 Phase
Number of trays	At least 40 No.
Charge Per Tray	At least 2.5 Kg
Tray size	At least 600 x 900 x 25 mm
Solar Collectors	At least 10 Air heating collectors. 2mx1m size per Collector.
Backup	Electrical heater
solar panel	moisture removal
coated color	black
sheet	aluminum colored

31. Technical Specification of Rotary Plough (Power Harrow)

Description	Required Specifications
Type	Tractor PTO operated
Power source	Not less than 45 HP
Hitch type	Three point linkage CAT- I,II
No. Of blade	Not less than 12
Working width	Not less than 1500 mm
Input RPM	540 to 1000
Rotor RPM @540 PTO rpm	240 to300
Rotor drive type	Gear drive immersed with oil bath
Distance between rotors	Not less than 250 mm
Blade dimension	Thickness 12 to 15 mm, length 280 to 290 mm
Blade Material	Boron steel
Blade mounting	Bolt and nut with stone protection guard
Levelling device	Rear mounted with height adjustment
Drive shaft	Universal joint power transmission shaft

32. Technical Specification of Multi crop seed drill Machine

Description	Specification
No. of Rows	Available in 3, 4, 5, 6 Rows.
Row to row spacing	24” Standard & Adjustable
Fertilizer Metering	Agitator & Sliding Orifice type
Seed Dropping	Rotating Disc with cells on its periphery

33. Technical Specification of Rotary Mulcher

Description	Required Specifications
Type	Tractor PTO operated
Required Power source	Not less than 45 HP
Hitch Type	Three point linkage CAT-I,II
No. of Blade	Not less than 32
Type of blade	Y
Input RPM	540
Overall width	Not less than 1000 mm
Side Transmission type	4- belts-BX type
Gear Box	Free wheel gear box
Weight (kg)	Not less than 550

34. Technical Specification of Post Hole Digger

Description	Required Specifications
Usage/Application	Agriculture & Farming
Capacity	Minimum 50 hp tractor
Engine Type	Diesel
Material	Mild Steel
Power Source	Tractor PTO
Features	can dig 2 pit at a time
Automation Grade	Automatic
Power	PTO

35. Technical Specification of Potato planter

Description	Required Specifications
Number of Rows	2
Working Depth (Adjustable)	Minimum 200 mm
Row to row spacing (Adjustable)	600 - 660 mm
Potato Spacing (Adjustable) Range	140 to 420 mm
Power Transmission System	Chain & Sprocket - Belt & Pulley
Travel Speed during planting	Minimum 2 (km/hr)
Number of Cups	2 X 40
Number of Belt Conveyors	2
Potato Seed Size	20 - 60 mm
Hopper Capacity	At least 200 kg
Required Power	40 - 60 hp
Weight of machine w/o seeds	Approx 560 kg
Cup insertion for small seeds	Optional

36. Technical Specification of Cultivator

Description	Required Specifications
Particulars	9 Tyne and Spring
Tynes	9 Tyne and Spring
Over all width	106 inches
Maximum working width	100 inches
Over all height	34 inches
Over all weight	280 Kg. Not less than
Under frame clearance	15 inches

37. Technical Specification of Elevator Type Seed bean

Description/particulars	Required Specifications
Model	
Brand	
Capacity	not less than 6 ton
Length	not less than 8ft
Width	not less than 8ft
Height	not less than 8ft
Materials used	mild steel(M.S)
Electric motor(Branded)	not less than 2 HP
Elevator	
Type	bucket type/vertical
Capacity	At least 20kg/min
Drive	belt drive
Dimension	
Height of elevator	not less than 6 m.
Width of belt	not less than 200mm
Thickness of belt	not less than 8mm
Warranty	At least one year
Installation	Supplier should installed seed bean with elevator at the location identified by office with permanent concrete structure and all required accessories.

38. Technical Specification of Disc plough

Description	Specification
Size	3 Bottom
Main body	6 “(100×8) Channel
Legs	100×8
Spindle	MS Forging
Hub	Heavy Casting
Bearing	New Taper Roller
Discs 26 “	3 NOs
Land wheel with bracket etc.	MS Casting and C.I Casting
Stand	Provided
Over all length	71 “
Over all width	44 “
Over all height	44 “
Approx.weighth	240 KG.

39. Technical Specification of Combine Harvester

Description	Specification
Type of combine Harvester	At least suitable for Harvesting Paddy and wheat crops)
Type of operation of combine Harvester	At least Self propelled 2WD, Wheeled combine
Size of cutter-bar of combine harvester	≥12 feet
Axial flow of Threshed material or straw walker type combine Harvester	Straw walker/Axial flow
Number of cleaning/grading sieves of the combine harvester	Dual sieves

40. Technical Specification of Seed Pre Cleaner with Drum Hopper and Vertical Belt Elevator

Description	Specification
Capacity	Wheat basis(atleast 4 ton/hr.)
Screen(At Least)	Top(L×B) 1000×900 mm Middle(L×B) 1300×900 mm Bottom (L×B) 1300×900 mm
Blower Motor	3Hp & 3 Phase 440V
Cradal	1Hp & 3Phase, No of Grading : 1
Screen Inclination	Fixed Fan Speed : At least 2500 RPM
Orther	3m air Trunk, Electric Robust machine of all steel construction, Dynamically balanced aspirator fan, Air chamber, sieve deck assembly and spouts are self cleaning type including V.B. Elevator, Dust Collector with 3 Set zinc coated screens , At least 2.5 meter air trunk (Duct), Electric Control Panel, with Electrification of machine

41. Technical Specification of Seed Dryer

Capacity:3-6 tonn per batch
Suitable for 540 PTO Tractor
Loading Time : 25 min Empty Time : 15 min
Power Required of Tractor: >35 HP
Electric Power:13 hp (10 kw) 1440 rpm, 3 phase 50 hz
Loading Hooper: Sheet metal made
Loading Type: Bucket Elevator Recirculating: Bucket Elevator Screen material (Internal/External) : Galvanized perforated sheet
Screen Perforation size: Variable
Fan type: Quiet centrifugal fan Real Time Moisture and Temperature Display

42. Technical Specification of Super Seeder

Tractor Operated Working Width : 230cm -280cm
Suitable for Tractor Power : 45 HP and above
No of Blades: > 48 Thickness of Blade(mm) : 7-8
Gear Box : Multi Speed,
Side Drive : Gear drive,

Seed & Fertilizer Mechanism : Aluminum, Fluted Roller Type Press Roller: Available
Screen Perforation size: Variable
No of Tynes: 11 to 9

43. Technical Specification of Hydraulic Trolley

material: MS material Chasis: Mild steel
Bottom plate :5mm or above of MS
Bottom plate support: MS channel of minimum 75x40x40
Wheel rim: Heavy Duty Type (size 900 x 16) Tyre: 900 * 16.16 ply
The panel door of trailer should be fabricated from MS Channel 75x40x40mm
Angle 35x35x5.0mm & MS Sheet 2.0mm / 3.0mm
Hydraulic Jack having capacity of 5.0 Ton

44. Technical Specification of Land leveller

FRAME: 7 mm & 75x40
Channel SIDE SUPPORT : 7 mm
Plate THICKNESS OF PLATE : 7 mm
3 POINT LINKAGE : 65x16 mm Flat & LENGTH : 2150 mm & APPROX. WEIGHT : 160 Kg.

45 Technical Specification of Maize reaper attachable in combine

Combine Attachable
Width: at Least 3 m.
No. of Rows: at least 4
Spacing of Rows: minimum 510 mm
Capacity: Cutter: Dual Cutter Bar Height Adjustment: Hydraulically
Cutting Height Min. :200 mm
Cutting Height Max. : 800 mm

46 Technical Specification of Straw Baler

Tractor Mounted
Capacity: 30-40 kg per/hr Power Source: PTO of Tractor
Weight : above 400 kg Overall Dimensions: at least 122 x 146 x 122 cm
Bale length : 70 cm Bale Diameter: 50 cm
Bale Weight : 15 -20 Kg Binding Type : Jute Twine Pickup Width :80 cm Tractor Power : 25 - 60 hp
Other Specifications Required:

Auto lubrication system Bale counter
Heavy duty frame structure & roller Bale density adjuster Pick-up height adjuster & Extra heavy duty roller chain
Wheel rim: Heavy Duty Type (size 900 x 16)/other Tyre: 900 * 16.16 ply/other
The panel door of trailer should be fabricated from MS Channel 75x40x40mm
Angle 35x35x5.0mm & MS Sheet 2.0mm / 3.0mm
Hydraulic Jack having capacity of at least 3 .0 Ton

47 Technical Specification of Chaff Cutter

Tractor Operated
Power Required of Tractor: 30 -60 hp
Load Wheel Capacity: minimum 60 kgs with 2 wheel trolley fitted (easy to move) tool box : available.
P. T. O shaft: attached Body Material : IRON STEEL (M.S STEEL) Blade Material : HIGH TENSIONAL STEEL Blades : 4 BLADES of 8mm
Capacity : 3000- 6000KGS/HOUR Dry Weight Of Machine 1200-Kgs Approx
Machine Feed : CUT ANY DRY OR WET FODDER
Size of Cut : 10-50MM & Cooling System : Not require

48 Technical Specification of Mobile Dryer

Tractor PTO Operated Suitable for Paddy Power Required of Tractor:>35 HP Suitable for 540 PTO Tractor
Capacity:3-6 tonn per batch Loading Time : 25 min & Empty Time : 15 min
Burner Fuel: Diesel Electric Power:13 hp (10 kw) 1440 rpm, 3 phase 50 hz
Loading Hooper: Sheet metal made
Loading Type: Bucket Elevator Re circulating: Bucket Elevator Screen material (Internal/External) : Galvanized perforated sheet Screen Perforation size: Variable Real Time Moisture and Temperature Display
Burner :Oil Burner Type: Light oil burner Oil Burner fuels: Diesel
Fan type: Quiet centrifugal fan
Diesel tank capacity: approx. 200 Ltr

49 Technical Specification of Gyrovator

Tractor Operated
Power Required of Tractor: above 45 hp
Load Wheel Capacity: minimum 60 kgs with 2 wheel trolley fitted (easy to move) tool box : available.
P. T. O shaft: attached Body Material : IRON STEEL (M.S STEEL) Blade Material : HIGH TENSIONAL STEEL Blades : 4 BLADES of 8mm
Capacity : 3000- 6000KGS/HOUR Dry Weight Of Machine 1200-Kgs Approx
Machine Feed : CUT ANY DRY OR WET FODDER
Size of Cut : 10-50MM & Cooling System : Not require

50 Technical Specification of Seed Grader

Capacity: 1-3 tonn per hour Screen cleaning: Rubber balls screen cleaning system
Screens:: Three nos. of rapidly changeable screens, two for oversized material whereas one for undersized material.
Aspiration: Pre-aspiration and final aspiration with a primary cyclone collector and secondary bag filter for dustless operation. Dimensions: 950 x 1100 x 1950 mm (L x W x H) (approx.) Main Screen size: 250 x 500 mm (approx.)
Motor for blower: 1 HP, 2810 rpm, single phase. Operating Voltage: 220V, 50Hz single phase AC Motor for sieve boat: 90W, three Phase (Built in AC drive)
Prescalping Screen size: 250 x 250 mm (approx.) Fabrication: CNC machining for fabrication of all metal component .
Drive: AC drive to increase or decrease screen agitation.
Output: 5 types of separations : large impurity, under size impurity, light impurity, dust and final graded material

51 Technical Specification of Seed Grader

Capacity: 1-3 tonn per hour Screen cleaning: Rubber balls screen cleaning system
Screens:: Three nos. of rapidly changeable screens, two for oversized material whereas one for undersized material.
Aspiration: Pre-aspiration and final aspiration with a primary cyclone collector and secondary bag filter for dustless operation. Dimensions: 950 x 1100 x 1950 mm (L x W x H) (approx.) Main Screen size: 250 x 500 mm (approx.)
Motor for blower: 1 HP, 2810 rpm, single phase. Operating Voltage: 220V, 50Hz single phase AC Motor for sieve boat: 90W, three Phase (Built in AC drive)
Prescalping Screen size: 250 x 250 mm (approx.) Fabrication: CNC machining for fabrication of all metal component .
Drive: AC drive to increase or decrease screen agitation.
Output: 5 types of separations : large impurity, under size impurity, light impurity, dust and final graded material

52 Technical Specification of Loader and Backhoe

Gross Power required: 35hp to 55hp Tractor Operated Capacity : 500kg to 700kg
Tractor Operated Capacity : 500kg to 700kg
Backhoe Bucket Capacity :1.0 cum Loader Bucket Capacity : 2.6

53 Technical Specification of Chaff Cutter

Tractor Operated
Power Required of Tractor: 30 -60 hp
Load Wheel Capacity: minimum 60 kgs with 2 wheel trolley fitted (easy to move) tool box : available.
P. T. O shaft: attached Body Material : IRON STEEL (M.S STEEL) Blade Material : HIGH

TENSIONAL STEEL Blades : 4 BLADES of 8mm
Capacity : 3000- 6000KGS/HOUR
Dry Weight Of Machine 1200-Kgs Approx
Machine Feed : CUT ANY DRY OR WET FODDER
Size of Cut : 10-50MM & Cooling System : Not require

54 Technical Specification of Boom Sprayer

TankCapacity (Ltrs.) at least 200 litre.
Boom Size (Coverage in ft.) min. 20
No.of Boom Sections min. 2
Boom Height Adjustment Yes
No.of Nozzels min 12
nozzle Spacing (inch) 20
tractor mounted/trailed type

55 Technical Specification of Gator

Engine Type	Manual
Capacity	No tank
Weight	9 kg without discharge line (approx)
Spray Lance	Brass 90 cm
Pump barrel	Brass
Delivery Hose	5mt or as reqd. up to 30 mt
L x W x H (in mm)	1397 x 216 x 254
OTHER SPECIFICATION :	
Min 2 meter long suction hose with strainer & min 5 meter long delivery hose Pump assembly fitted on wooden platform with frame and hinge pinsDevelops sufficient pressure to operate with 2 discharge line with any length of hoseSuitable for spraying with Hyjet gun or bamboo lance on tall treesDetachable pressure vessel with high capacity Gives pulse free spraying Easy to operate as well as to maintain	