

Row Pre germinated Paddy Seeder

Description of technology

A manually operated equipment for direct sowing of pre-germinated paddy seeds in the field

Flow chart of technology/ process

Fabrication of Main shaft assembly (1 No.)

(marking to size and cutting, centre punching and making desired size hole)



Fabrication of 1 No. Drive wheel

(cutting the stock to size and bending to circular shape, joining the end points by welding, cutting of spokes and welding to wheel rim and central bushing, cutting and welding of lugs to drive wheel rim at equal interval)

Fabrication of 2 Nos. of drum sub assembly



(marking and cutting to shape and size, marking, punching and drilling holes of required size, bending the sheet to required shape and joining the ends, fitting of drum side sheet, drum cover, drum cover clip and drum bushing)



Fabrication of 2 Nos. of float

(making of float, float holding pipe, float bushing, handle fitting and hook)



Fabrication of handle sub assembly (1 No.)

(collecting from the stock, fitting to the float sub assembly by nuts and bolts, locking the hook to the float sub assembly)

Area of application

Low land paddy field

Equipment required

Pliers, hammer, spanner, measuring and marking instrument, welding set, fixture, heck saw, rolling machine, anvil, centre punch, drilling machine, lathe machine, files, grinding machine, die and punch, metal scissor



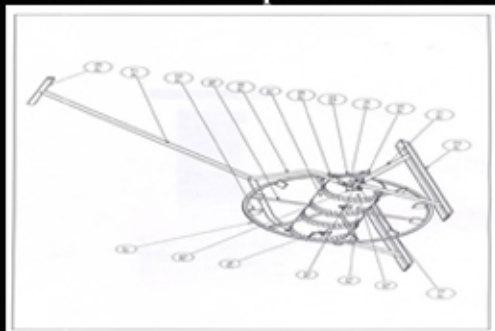
Space requirement

100 sq. m floor area

Plant setup cost

Rs. 3,50,000/-

Raw material and production cost



Raw materials required-GI sheet (24 gauge), MS sheet (22 gauge), MS flat (50x3mm), MS flat (40x3mm), MS flat (20x5mm), GI pipe (23mm internal dia), GI pipe (22mm outer dia), MS square rod (12x12mm), MS rod (6mm dia), Standard components-Hexagonal bolt & nut (6mm dia), Screw (3 mm dia), cotter pin (3mm dia), wing nut (3mm dia) Production cost- Rs. 1187/- per piece