



नेपाल सरकार
कृषि तथा पशुपंछी विकास मन्त्रालय
प्रधानमन्त्री कृषि आधुनिकीकरण परियोजना
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आर्थिक प्रस्ताव पेश गर्न सम्बन्धि सूचना

(प्रथम पटक प्रकाशित मिति २०७८/१२/८ गते)

प्रस्तुत विषयमा यस एकाईको आ.व २०७८/७९ को स्वीकृत वार्षिक कार्यक्रम अनुसार ५० प्रतिशत अनुदानमा जोन क्षेत्रभित्रको लाभग्राहीको लागि कृषि यन्त्रीकरण सहयोग कार्यक्रम सन्चालन गर्नुपर्ने भएकोले तपसिल बमोजिमको परिमाण र विशेषता (specification) भएको Farm Machinery तथा Equipment हरूको आपूर्ति गर्ने योग्य र इच्छुक उत्पादक/कम्पनी, अधिकारिक बिक्रेता वा आपूर्तिकर्ताहरूले यो सूचना प्रथम पटक प्रकाशित भएको मितिले १५ औं दिन (२०७८/१२/२३ गते) दिउसो १२:०० बजे भित्र स्वयम वा प्रतिनिधि मार्फत आवश्यक कागजातहरू संलग्न राखी कार्यालयमा उपस्थित भई तपसिल बमोजिमको ढाचामा सिलबन्दी आर्थिक प्रस्ताव पेश गर्न सम्बन्धित सबैमा जानकारीकालागि यो सूचना प्रकाशन गरिएको छ।

तपसिल

S.N	Name of Farm machinery & Equipments	Specification / Requirement	Proposed Speci.by Suppliers	Unit	Qty	Rate	Rate in Word
1	Riding type Rice Transplanter	General:-Self Propelled Rice transplanter riding type suitable agricultural machinery for transplanting of Paddy seedlings. Drive type:- 4-Wheel Drive , Engine:-Air or Water Cooled, 3 stroke Diesel Engine / 4 stroke Diesel Engine, Starting system:- Self starter , Steering System:-Hydraulic Transplanting Mechanism:-Rotary Type, No of Rows:-6 to 8, Row Spacing:- 200mm -300 mm , Plant to plant spacing:- 120 mm-240 mm , No of Seedlings:- 1 to 8 , Planting depth:- 5mm - 50 mm , Planting pitch and Depth control:-Adjustable Weight:-less than 1000 kg, Tires (mm):-Front 600 to 650 & Rare 850 to 900) , Radial Tubeless / Puncture free tyres, Ground Clearance:-High ground clearance preferred, minimum 400 mm . Tray Size:-30 cm x 60cm,Fuel Tank capacity :- ≥ 17 ltr No of spare Seedlings rack :- 6 to 12 , Brakes :-Oil Immersed brake/Dry disc Brake		Set	1		
2	Self Propelled Reaper	Capacity:- 6 To 8HP , Engine / fuel type:-Four stroke water cooled / Diesel Cutting width:-1200mm (adjustable), Cutting depth:-≥ 50mm, Reaper cultivation:- 4-line at a time, Teeth Space (mm):-127, Diameter of Start Wheel:-280mm Fuel consumption:-≤ 900ml/hour, Productivity(M2/hour):-2000 to 3000, Crank Speed(RPM):-500 to 550, PTO speed RPM:-≥ 3600 engine & 800 PTO transmission, Working Speed (Km/Hr):-4- 6.2, Gear system:-2 forward 1 reverse,Net/Gross Weight :-180 to 216 / 230 to 260		Set	1		

3	Tractor Mounted Reaper	Crops: Rice , Power Range: Tractors from 35hp and above , Capacity: 3-6 acre/hr , Working width: 5.8 to 6.8 ft , Cutting Blade: 3 mm, Stubble height >=25 mm		Set	1		
		Power System: Front mounting on tractors and connected to 540/1000 RPM PTO shaft with hydraulic lifting					
		No. of stars: 7 stars with crop divider, No. of conveyor: 3, Weight Range : 190 kg.					
4	4- Stroke Harvest	Capacity (Rated Power):-> 0.9kW (1.2hp) 34CC, 7000r/min		Set	1		
		Engine / fuel type Four stroke air cooled / Petrol , Fuel consumption:- <=450 mg. kw/h					
		Fuel Tank Capacity:- >=500ml, Cutting Width:-415mm, Net Weight:- <= 7.6kg					
		Attachment:- Nylon Rope & 3T Blade, Blade Length:-255mm					
5	Power Tiller (suitable for multipurpose farm work)	Power tiller of 18 - 22 hp capacity , having 4 stroke diesel engine and radiator/hopper Colling system, Minimum ground clearance 185 mm . A set of rotary Rotavator / cultivators attached having minimum of 24 blades and covering minimum of 800 -900 mm tilling.Gear and chain system power transmission with manual shifting, 1- reverse, 3-forward (both high low) numbers of gears, max.fuel consumption is 1 to 1.5 lit/hr with 5lit. fuel tank,1-year service warranty is required		Set	1		
6	Cage Wheel	Anti-skid / cage wheel set for power tiller (12-22 hp) with replicable fixing system suitable for puddling of soil.		Set	1		
7	Hub Connector	Hub connector for power tiller (12-22 hp) with replaceable fixing system suitable extending the base with of the power tiller.		Set	1		
8	Connector/ Special Joint	Hub connector for power tiller (12-22 hp) with replaceable fixing system suitable for attachment fitting with necessary gear and shaft.		Set	1		
9	Reaper (Power Tiller Drawn)	Power tiller mounted reaper with cutting width 1200 mm, cutting 4 lines and placing type - side wise. Matched power 12-22 hp pt. Supply with all set of fixing frame, cable and nut bolts and driving v belts.		Set	1		
10	Paddy Thresher (Tractor Drawn)	Axial flow type with 30 inch or more threshing drum, feeding tray chute type, fitted with winnowing and auxiliary blowers and oscillating sieves for cleaning purpose. Threshing capacity 2000 - 3000 kg/hr . High cleaning efficiency . The complete thresher and accessories are fitted in main base frame with set of pneumatic wheel system. Power required 35 hp and above .		Set	1		
11	Rotavator (Tractor Drawn)	Tractor drawn rotavator, multi speed and side transmission gear box, number of blades 48-54 , overall working width 6-7 feet , matching tractor power is 45-55 hp .		Set	1		
12	Cultivator (Tractor Drawn)	Tractor drawn spring loaded cultivator, having heavy duty iron frame and shovels. Standard 3-point linkage system and minimum 9 numbers of tines minimum working width 60 inches required; matching tractor power required 40-55 hp .		Set	1		
13	Cage Wheels for Tractor	Anti-skid / cage wheel set for tractor with replicable fixing system suitable for puddling of soil.		Pcs	1		

14	Leveler (Tractor Drawn)	Tractor drawn leveler suitable for two-way levelling with three-point linkage to mount on the tractor, cutting with minimum 1800 mm or longer and cutting blade thickness minimum 10 mm thick. Matching tractor power required 35 hp and above.		Set	1		
15	Mini Tiller with attached rotavator	Minitiller of 9 hp with Self start, Diesel Engine Single Cylinder, Air Cooled, Four Stroke, Direct Injection, Dual Clutch,Knife Rotation Blade (mm):- Higher 160, Slower 115 180cm Maximum Rotation Radius,Tilling Width & depth:- ≥ 1100mm & 100 ,Work Speed (M/S):-0.1 to 0.3, Fuel Consumption(Kg/H.sq.m):- ≤ 30 , Gear Drive & Recoil Hand Pull Start,Body Size (mm):- ≥1700*1070*990		Set	1		
16	Battery cum manual Sprayer (2in1)	Chargeable Battery Power sprayer(1in2), tank capacity 16 litter,12V motor powered diaphragm pump of speed 3300rpm, 12V,9Ahr rechargeable, 0.4 MPa working pressur, Charger input:-100-240V AC,50Hz, output:-12V DC 1.5A, Spray flow:- 2100ml/min, time of full charge:-5 to 8hr		Set	1		
17	Paddy Seed Grader Machine	Mini. Grading Capacity:-1.2 T/hr, size:- (240*270*264) cm, Motor max. 5HP,440V,3Ph or 1Ph AC, 50c/s, mini. Screen Size Top:-90*150cms Bottom 90*200 cms,material use:-MS, type, air controller fan, red oxide single coat with standard colour, mini.hopper capacity :- 100kg, Elevator or Pneumatictype(specified) feeding system with low level feed hopper equiped with feed roller and feed control gate. At least two nos. of aspirations, primary aspirations for draining chaff, dust and other impurities & secondary for remaining particulates, Blower capacity:-At least 5000 cfm, operated by 4 Hp motor, three phase AC <u>Minimumm ASSEMBLIES :-</u> (1)SCREEN SETSCREEN ZINC COATED (2)Required DUCTING FOR GRADER (3)CYCLONE DUST COLLECTOR (4)ELECTRIC CONTROL PANEL		Set	1		
18	Paddy Seed Treater Machine	Drum suitable for treating of seed with dry powder or slurry complete set with motor, switch, blending drum and M.S angle iron frame, Mini. Capacity 1ton/hr, Fully Automatic, power 2hp, Operated with 3 phase electric motor,mini. 1400 RPM at low speed and optional MS handle provided to rotate the drum manually		Set	1		
19	Electronic Weighing machine	mini.Cap 300kg,mini.Platform Size:-600*600mm, Display:- LCD, Accuracy:- +- 10g		Set	1		
20	Bag sewing machine	Stitch Type:-Two Thread Double Chain Stitch x 2 Rows,Stitch Length:-Adjustable from 11-18 stitches per 100 mm, Thickness:-Upto 8mm,Material:-Laminated P.P/HDPE/ PAPER/HESSIAN/ CLOTH, Distance Between Seem:-6 mm, Needle:-DNX1 25-26,Speed:upto 2800rpm,Thread:-Tape/Yarn/Thread, Lubrication:-Automatic, Weight:-mini:-45kg		Set	1		

21	DIGITAL GRAIN MOISTURE METER	Grain moisture meter capable of testing moisture value for large variety of grain or seed accurately, rapidly and precisely, Easy operation with large digital display for reading measurement value in limited light conditions, meter with protective carrying case with strap, Grain and seeds at least 8- 35% and oil seeds 5- 25% , 0-40 degree celsius in use and 20-60 degree celsius in storage condition, At least +/- 0.5% moisture with normal grain, consisting of sensors for correcting automatically moisture value, Operated by mini. 9 volt battery		Set	1		
22	SEED SAMPLING TRIERS	Sampling triers made up of light material brass or aluminium with gripping handles for safety provision and locking mechanism for opening and closing of slot, At least five opening for sample collection, Length of tube:-At least 100cm		Set	1		
23	Earth Auger Machine	Semi-Automatic, 2 Stroke, Single Cyl., Air cool , 1.4 to 2 kw, mini. 6400 r/min, Fuel Tank Capacity:- min. 1.2, voltage mini. 220 / 50 Hz		Set	1		
24	Hole Digger	portable,2,stock, petrol engine 52cc, RPM 7700, Power input 1.3KW/1.7hp,machine type- semi automatic, engine wt 5kg, drill size mini. 6,12" fuel use gasoline, fuel consumption-1.25ltrs/hr, mini.engine speed 6500 RPM, with engine displacement, engine based on frame type, moving with single wheel, work done with handle press		Set	1		
25	Bund maker / Ridger	Number of Disc:-2-4 , Frame:-Heavy Duety box type, max.width of ridges:-1m, with:- 1.84 - 2.5 m, Working Depth:-330mm, Weight:-195kg -425kg, Tractor Required:- 35Hp and above.		Set	1		
26	Banana Harvester	materials:- Aluminum, type:- MS /wood sickle, pulling system, edge:- sharp, broad blade		Set	1		
27	Two side Aluminium Ladder	Materials:- aluminum HDP, Cylindrical Shape, dai :- 2" min., Number of steep :-6 to 7 (6ft), mini.load :-125kg, step distance max. :- 30 cm, twin step foldable		Set	1		
28	Banana Ripening Chamber	material:-GI/MS/sheet angle Square pipe, size:- 12*12*12 cu.Ft. (L*B*H), Wall thic. 1" , type:-folding, system:-portable, Insulation type, total mini. Weight:- 1800kg		Set	1		
29	Banana Plant Supporter	material:-MS pipe, dia:-1.5" *7' , Weight (kg)=18kg mini. , thickness 2mm, clamp & holder 1, no of arms:- 3		Set	1		

Instructions:-All signs and instructions in the vehicle shall be in English, Manuals:- One copy of the Operator's and Owner's Instructions in English

Tools:-A set of tools as required for general maintenance shall be supplied.

Warranty:-Manufacturer shall provide atleast one-year of warranty after acceptance, with Standard color

Proven performance:-The supplier shall provide the manufacturer's data of the performance of at least two unit supply in Nepal.

Initial Service:-The supplier shall provide all the necessary filters and spare parts required for the first two services, after the vehicle has been accepted.

Training:- For All farm machinery need 3 days Operator and General maintenance training except Rice Transplanter need 7day at least 2 farmers/operators.

Delivery:-The machinery should provide unit deliver to

**The major items are indicated by bold and highlighted letters/alphabets/figures in the technical specifications. Non-compliance of these major items will result in non-responsiveness of the bid offered.*