

Urlabari Municipality
Office of the Municipal Executive
Koshi Province, Urlabari, Morang

Technical Specification of Self Propelled Track Type Combine Harvester and Accessories

S.N	Items(Parts)	Particulars	Required Specifications	Offered Specification
1	Combine Harvester	Brand/ Model	Any	
		Mfg. Year/Country of Origin:	2025/Any	
2	Engine	Type	4 Stroke, Direct Injection, Turbo Charged Engine, Diesel Engine	
		No. of Cylinder	Not less than 4	
		HP Category	102 HP	
		Engine Capacity	At least 3300 CC	
		Engine rated RPM	At least 2600 RPM	
		Fuel injection pump	Inline Type/ rotary pump	
		Air Filter	Dry/Dual element	
		Cooling System	Water Cooled / Intercooler	
3	Transmission	Type	Heavy Duty Sliding/HST Type (Hydrostatic transmission)	
		Battery	At least 12 V 100 Ah	
		Travelling Speed, m/s	2.6	
		Harvesting Speed m/s	1.9	
		Dimension (L*V*H)	5100*2600*3000 above	
4	Type	Track type with Min Ground Clearance, mm	360	
5	Fuel Type	Type	Diesel	
6	Fuel Tank	Capacity	130 Above	
7	Dimensions of combine Harvester	Working dimensions (L*W*H), mm	Not less than 5150*2630*3030	
8	Harvesting Unit	Reel type	Hydraulic Adjusted/Eccentric	
		Cutter bar width, mm	2200 Above	
9	Threshing System	Threshing type	Longitudinal Axial flow type, Bullet Rotor and bar tooth type or other efficient type	
		Rotation Speed	Standard and changeable	
10	Grain Unloading System	Grain storage Tank Capacity,	1.7 m3 above	
		Unloading Grain Height Range	3700	
		Feeding Capacity Kg/sec	6	
11	Others	Crop Standard	Wheat, Paddy	
		Dust Blower	Dust blower Necessary	
		Tools Set	All tools Set	
		Instrumentation	Hour and rpm meter, oil pressure gauge, water temperature gauge, ammeter etc.	

Amjad
Agricultural Engineer
NEC No. 116

Amjad

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	Additional assoseries	one set each chain sprocket, bearings, Cutting bar, blades, belts, Sieves	
12	Maintenance Service and Warranty	Home service if necessary, Not less than One year/above 1000 hrs	
13	User's Manual	Field domentration on the Field and One copy in English or Nepali	

Technical Specifications of Round Baler

SN	Particulars/Parameters	Required specifications	
1	Model	Any	
2	Dimension (L*W*H)mm	1300*1150*1350	
3	Ground clearance, mm	Above 330	
4	Power requirement, hp	>30	
5	PTO speed(rpm)	540	
6	Hitching system	Drawbar hitch	
7	Tires, Axle Tyre and Pick-up	Standard with 6 ply	
8	Bale size(dia*width) (mm*mm)	610*700	
9	Type	chain driven pressure rollers rotating on sealed bearing at ends	
	No of roller	Above 15	
	Roller dia*length(mm*mm)	152*750	
	Bale chamber dia* width mm	610*700	
10	Working capacity(bales/hr.)	75 above	
11	Baler weight(kg)	600 above	
12	Pick-up type	fully floating, cylindrical drum with spring tines	
13	No. of tines	24	
14	Binding (twine System) Activation	manual	
15	Twine recommended	polypropylene or suitable	
16	Standard accessories	As per need	
17	Operation and maintenance manual and parts ca	One copy in English	
18	Warranty period of major accesories	One year service and Maintenance	

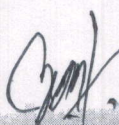
Technical Specification of Maize Header

SN	Particulars	Required Specifications	Offered Specification
1	Row Distance, mm	500-600	
2	No. of Row	3	
3	Capacity	Not less than 0.5-0.6 ha/hr	
4	Warranty	One years services and Maintenance	

Combine Harvester Trolley (Suitable for Terai Roads)

	Box dimension (LxBxH)	13'x8'x1.5'	
	Hub	16x13 bearing size, new	
	Sheet Material	Mild Steel, 10 gauge floor, 12 gauge side Wall	
	Tyre size	7.50-16 Ply Brand new Pneumatic	
	Hydraulic Capacity	Minimum 15 Ton	


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1	Combine Harvester Trolley	Chassis	Suitable for Box Dimension	
		Main chassis	6*3 inch Havey	
		Second chassis	4*2 inch havey	
		Differential type	Single	
		kabja	45mm	
		Huks	15.8 mm above	
		Dhala Trolley Frame	3*1.5 inch Havey channel	
		Disc weight	At least 35-40 kg.	
		Painting	One Coat of blue Oxide and 2 coats of super synthetic enamel paint.	

Prepared By:

[Signature]

2082-04-23
Agricultural Engineer
NEC No. 116

[Signature]

Approved By:

[Signature]