

Technical specifications of combine harvester and baler set

A. Combine harvester

Criteria		Requirements	Offered specifications
Construction Type		Self-Propelled Crawler type whole feed or equivalent	
Harvesting Capacity		4kg/sec (approx)	
Weight		3500kg (approx)	
Dimension (Approx)	Length	4900mm (approx)	
	Breadth	2800mm (approx)	
	Height	2700mm (approx)	
Working Capacity		0.33-0.66 hec./hr (approx)	
Engine	Ground clearance	650mm (approx)	
	4 stroke, Water Cooled or equivalent, Direct Injection diesel engine or Equivalent, engine displacement not less than 2800cc.		
	Power (kw/hp)	63 / 85 (approx)	
	Speed (rpm)	Min. 2600	
Min Fuel Tank Capacity		180ltr	
Header	Length	2100mm (approx)	
	Type	Horizontal Cutter or equivalent	
	Reel Type	Eccentric Finger or equivalent	
Cleaning System	Threshing System	Longitudinal Axial Flow or equivalent	
	Cylinder length & Dia.	φ 2010*620 mm (approx)	
	Cylinder Speed	Min. 700rpm	
	Grain cleaning System	Vibrating Sieves + centrifugal or equivalent	



	Screen Length & Breadth	1600*840 mm (approx)	
Storage System	Storage Capacity	1.4 cum (approx)	
	Unloading Conveyer Height	3700mm (approx)	
Chassis System	Machine Pressure	Min. 22Kpa	
	Rubber Track Model	Standard	
	Track Centre Distance	1150mm (approx)	
	Chassis Height	65cm (approx)	
Walking System	Grounding Dimension	1550*500 mm (approx)	
	Variable Speed Method	HST (45cc) + ZKB85 GEAR BOX or equivalent	
	Travel Speed	2.6 m/s (approx)	
	Harvesting Speed	1.9 m/s (approx)	
	Lodging Speed	1.4m/s (approx)	
<b>B. For baler</b>			
	Type	Round baler or equivalent	
	Bale size (dia x length )	600 x 700mm (approx)	
	Bale weight	20-40 kg	
	Pickup width	80mm (approx)	
	Working efficiency	80-100 bales/hr	
	Match power	30-60 HP	
	Binding material	Twines	
	Machine weight	440kg (approx)	

*Signature*



## Estimate Bill

गाडी/मेसिन: combine harvester and baler

कार्यालय प्रयोजन

भेक/मोडल

क्र.स	विवरण	परिमाण	ईकाइ	दर	जम्मा रु.	कैफियत
१	Combine harvester and baler	1	Unit	40,00,000	40,00,000	
	कुल जम्मा				40,00,000	

In Words: Fourty Lakhs Rupees only.(VAT not applicable)

तयार गर्ने



सदर गर्ने

Date :- 2081/06/10

**Er. Prem Prasad Sapkota**

**NEC Regd NO: 2854**

**Mechanical Engineer**

**Category- 'A'**

Dimensions (L*W*H)	1300*1100*1300mm(approx)	
Operating speed	2-6km/hr(approx)	
PTO operation	540rpm	
Tyre size	Standard	
Warranty	Manufacture shall be provide a minimum of one years warranty	
Equipment make/Servicing and spare parts	Equipment make on 2024/The servicing center and spare parts for the proposed combine harvester should be within the Nawalparasi (East) district.	
Delivery	Combine harvester and baler shall be delivered to Madhybindu Municipality, Chormara, Nawalpur	

Er Prem Prasad Sapkota

Date:- 2081/06/10

NEC Regd No:- 2854

Mechanical Engineer

Category:- A




## Technical Specifications of Trailer

S.N.	Criteria	Requirement	Offered Specification
1	Trailer /cargo body	Not less than (Length 15. ft Breath =7ft and height = 20 inches )	
2	Frame structure	Heavy channel section of 150mm channel chassis main base frame base chassis 125mm channel cross base frame 75mm channel	
3	Side Wall sheet	M.s sheet 3mm (min.) With 50*50*5mm side Wall angle frame	
4	Axle	90mm*90mm fitting with heavy steel hub with 14*19 bearing size.	
5	Tyres	Standard	
6	Floor sheet	M.S. sheet at least 6mm thickness	
7	Warranty	Manufacturer shall be provide a minimum of 1 years warranty except bearing	
8	Paint	Epoxy paint inside the paint body.Two coated of zinc based red oxide.two coated of synthetic enamel.	
9	Delivery	Unit Trailer should be delivered to Madhybindu Municipality, Chormara, Nawalpur	

Cost:- Rs 3,00,000(in words:- Three Lakhs Rupees only) including 13%VAT



Er Prem Prasad Sapkota

Date :- 2081/06/10

Designation: Mechanical engineer

NEC Regd No :2854

Category A