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**भारत सरकार/Government of India**

कृषि एवं किसान कल्याण मंत्रालय/Ministry of Agriculture and Farmers Welfare  
कृषि, सहकारिता एवं किसान कल्याण विभाग/Department of Agriculture, Cooperation and Farmers Welfare  
उत्तरी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

**Northern Region Farm Machinery Training and Testing Institute**

ट्रैक्टर नगर, सिरसा रोड, हिसार (हरियाणा)-125001  
**Tractor Nagar, Sirsa Road, Hisar (Haryana)- 125001**  
**[ISO 9001:2008 COMPLIANT INSTITUTION]**

**BRIEF TECHNICAL SPECIFICATIONS OF COMBINE HARVESTER**

(To be submitted by the applicant/ Manufacturer to testing Agency in quadruplicate.)

**COMBINE HARVESTER**

1. Name and address of the manufacturer :
- Telephone Number (s) : +91-
- Fax Number :
- E mail Address :
- Website :
2. Make of Combine Harvester :
3. Model :
4. Type : Self Propelled
5. Brand name, if any :
6. Trade name, if any :
7. Country of origin : India
8. Chassis Number of machine proposed to be submitted/submitted for inspections/tests :
9. Serial Number of machine proposed to be submitted/ submitted for inspection/tests :
10. Month and year of Manufacture :
- 10.1 Code for the month and year of Manufacture :

Manufacturer/Applicant:		Document No, If any Revision status		Testing Agency: N.R.F.M.T & T.I, Hisar (Haryana)	
Signature :		Make & Model of Combine	Self Propelled Combine Harvester	Signature :	
Name :				Name :	Sanjay Kumar
Designation :	Authorized signatory			Designation :	Agricultural Engineer
Date :				Date :	

11. **Type of Prime Mover**  
 -Engine : Engine powered  
 (Engine details write here.)
12. - Type of Combine : Self Propelled
13. **Wheel Equipments**
- 13.1 **Front Wheels (Drive Wheels)**  
 - No. of wheels : Two, pneumatic, traction  
 - Track width (mm) :  
 - Tyre size and ply rating : Tyre size, & Ply rating  
 - Maximum loading capacity, of each tyre : 3450  
 at pressure of 260 kPa
- 13.2 **Rear Wheels (Steered Wheels)**  
 - No. of wheels : Two, pneumatic, Ribbed  
 - Track width, mm :  
 - Type size and ply rating : Tyre size, & Ply rating  
 - Maximum loading capacity of each tyre : 2290  
 at pressure of 725 kPa,
14. **Wheel base, mm** : -----
15. **Transmission System** :
- 15.1 **Clutch**  
 - Type : Dry Friction plate  
 - No. of plate (s) : One
- 15.2 **Gear box**  
 - Make : NA  
 - Model & identification no., if any : -----  
 - Type :  
 No. of arrangements :
- 15.2.1. **Range of Speeds, at rated engine speed (Kmph)** :  
 - Forward -----
16. **Brakes**
- 16.1 **Service brake:**  
 - Type, Mechanical /Hydraulic/ any :  
 other (describe briefly)  
 - Location :  
 - Method of operation :
- 16.2 **Parking brake**  
 - Type :

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Date	:			Date	:	

- Location :
- Method of operation :
- 17. **Details of Lights:**
- 17.1 **Head lights**
  - Make :
  - Number (s) :
  - Wattage of bulbs, W :
  - Location :
  - Colour :
- 17.2 **Parking Light (s)**
- 17.2.1 **Front**
  - Make :
  - Number (s) :
  - Wattage of bulbs, W :
  - Location :
  - Colour :
- 17.2.2 **Rear**
  - Make :
  - Number (s) :
  - Wattage of bulbs, W :
  - Location :
  - Colour :
- 17.3 **Turn indicator light (s):**
- 17.3.1 **Front:**
  - Make :
  - Number(s) :
  - Wattage of bulbs, W :
  - Location :
  - Colour :
- 17.3.2 **Rear:**
  - Make :
  - Number(s) :
  - Wattage of bulbs, W :
  - Location :
  - Colour :
- 17.4 **Brake/stop light:**
  - Make :

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- Number(s) :
- Wattage of bulbs, W :
- Location :
- Colour :
- 17.5 **Registration plate light**
- Make :
- Number(s) :
- Wattage of bulbs, W :
- Location :
- Colour :
- 17.6 **Reflector(s):**
- 17.6.1 **Front:**
- Make :
- Shape, size and area :
- Number(s) :
- Location :
- Colour :
- 17.6.2 **Rear:**
- 17.6.2.1 **At rear of Combine**
- Make :
- Shape, size and area :
- Number(s) :
- Location :
- Colour :
- 17.6.3 **Sides:**
- Make :
- Shape, size and area :
- Number(s) :
- Location :
- Colour :
- 18 **Horn**
- Make :
- Type :
- Model :
- No & Location :
- 19 **Rear View mirror**
- Make :

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- Type :
- Model :
- Location :
- 20. **Maximum gradeability, Degrees** :
- 21 **GRAIN TANK:**
- Location :
- 22 **Steering**
- Make :
- Type :
- Steering control wheel dia, mm :
- Turning ability L.H.S R.H.S
- Minimum turning diameter,  
Without brake (m) :
- Minimum clearance diameter,  
Without brake (m) :
- Minimum turning diameter,  
With brake (m) :
- Minimum clearance diameter,  
With brake (m) :
- 23. **OVERALL DIMENSIONS (mm):**
- Length with trailer/without trailer :
- Width ( Transport) :
- Height :
- Minimum ground clearance :
- 24. **Mass of combine on transport (Kg):**
- Mass of combine at front :
- Mass of combine at rear :
- Total mass of combine :
- Mass of cutter bar & trailer :

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**II. BRIEF TECHNICAL SPECIFICATIONS OF ENGINE MOUNTED ON COMBINE**  
**HARVESTER**

- 1 GENERAL:**
- 1.1** - Name & address of the engine :  
 manufacturer
- 1.2** - Telephone No. :
- 1.3** - Fax No. :  
 - E-Mail Address :
- 1.4** - Website :
- 2. BRIEF TECHNICAL SPECIFICATION OF ENGINE**
- Make :
- Model :
- Type :
- Serial Number :
- Declared power, kW :
- Max. No load speed of the engine, :  
 rpm
- Low idling speed of engine, rpm :
- Rated speed, rpm :
- Engine speed at maximum power, :  
 rpm
- Engine speed at maximum torque, :  
 rpm
- Recommended speed of engine for :  
 field work, rpm
- 3.0 CYLINDERS:**
- Number :
- Disposition :
- Bore / Stroke, mm :
- Cubic Capacity (c.c.) :
- 4.0 Fuel System Type :**
- 4.1 Fuel Feed Pump:**
- Make :
- Type/Type No. :
- Model/ Group Combination No. :
- SI No. :
- 4.2 Fuel filters**
- Make :
- Type/Part No. :
- Number(s) :
- Model/Group combination No. :

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- Serial no. :
- 4.3 Fuel tank**
- Material :
- Location :
- Capacity, Litre :
- 4.4 Fuel injection pump**
- Make :
- Type/Type No. :
- Model/Group combination No. :
- Serial Number :
- 4.5 Governor**
- Make :
- Model/Group combination No :
- Rated Speed :
- Type :
- Serial Number :
- 5.0 Pre-Air Cleaner**
- Make :
- Type :
- Location :
- 5.1 Air Cleaner**
- Make :
- Type :
- Location :
- 5.1 Turbo Charger**
- Make :
- Model :
- Part No. :
- 6.0 Starting System:**
- Type :
- 7.0 Electrical System:**
- 7.1 Generator/ Alternator:**
- Make :
- Model /Group combination No. :
- Rating :
- Sr. No. :
- 7.2 Battery :**
- Make :
- Type :
- Capacity and rating :

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- No. of battery :
- 7.3 Starter:**
- Make :
- Type/Type No. :
- Model/Group Combination No :
- Sl. No. :
- 7.4 Voltage Regulator:**
- Type :
- 8.0 Exhaust:**
- Type of muffler :
- Protecting device if any :
- 9.0 Special features if any :**
- 10.0 Total weight of engine :**  
**(with accessories)**

I -----, Authorized signatory of -----**FIRM NAME HERE**-----  
----- hereby declare that information given above in page no. 1 to 8 is as per design/  
drawing of the prototype/ commercial model of combine harvester submitted for inspection/ test and is  
complete and correct to the best of my knowledge and belief. I also understand that in case any of the  
information furnished above is found not correct or incomplete, among other action, the certificate is  
liable to cancelled.

Applicant / Manufacturer :

Signature of Authorized Signatory :

Name : -----  
Designation : Authorized signatory/Partner/Proprietor  
Place : Hisar  
Date :

<b>Manufacturer/Applicant:</b>	<b>Document No, If any Revision status</b>		<b>Testing Agency: N.R.F.M.T &amp; T.I, Hisar (Haryana)</b>
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