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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)-1250 001

Tractor Nagar, Sirsa Road, Hisar (Haryana)- 125001

[ISO 9001:2008 COMPLIANT INSTITUTION]

I. BRIEF TECHNICAL SPECIFICATION OF COMBINE HARVESTER

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

COMBINE HARVESTER

1. - Name and address of the manufacturer :
- Telephone Number(s) :
- Fax Number(s) :
- E mail address :
- website :
2. Make of Combine Harvester :
3. Model :
4. Type : Tractor Powered Combine Harvester
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 inspection/ tests :
9. Serial Number of machine proposed to be submitted/ submitted for inspection/ tests. :
10. Month and year of Manufacture : July – 2020
- 10.1 Code for the month and year of manufacture : G & 20

Manufacturer/Applicant	Document No., if any Revision status	Testing Agency: N.R.F.M.T & T.I, Hisar (Haryana)
Signature :	Make & Model of Combine powered by Tractor	Signature :
Name :	Name : Sanjay Kumar
Designation :	Designation : Agricultural Engineer
Date :	Date :

- 11 **TYPE OF PRIME MOVER:** :
- Tractor :
- Tractor PTO driven :
- 12 Type of Combine :
- 13 **Wheel Equipments** :
- 13.1 **Front Wheels (Drive Wheels)** :
- No. of Wheels :
- Track Width (mm) :
- Tyre size and ply rating :
- Maximum loading capacity, at pressure :
- 240 kpa, (Kgf)
- 13.2 **Rear Wheels (Steered Wheels)** :
- No. of Wheels :
- Track width range (mm) :
- Tyre Size and ply rating :
- Maximum loading capacity, at pressure :
- 300 kpa, (Kgf)
- 14. **Wheel base (mm)** :
- 15. **Transmission System:** :
- 15.1 **Clutch:** :
- Type :
- No. of plate(s) :
- Main :
- PTO :
- 15.2 **Gear Box** :
- Make :
- Model and identification no. if any :
- Type :
- No. of arrangements :
- 15.2.2 Range of Speeds, (Kmph) :
- Forward :
- 16. **Brakes** :
- 16.1 **Service Brake:** :
- Type, Mechanical/ Hydraulic/ Any other :
- Location :
- Method of operation :
- 16.2 **Parking Brake** :
- Type :
- Location :
- Method :

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Signature :	Make & Model of Combine	Signature :
Name :	powered by Tractor	Name : Sanjay Kumar
Designation :	Designation : Agricultural Engineer
Date :	Date :

- 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 :
- Number (s) :
- Wattage of bulbs, (W) :
- Location :
- Colour :
- 17.5 **Rear Registration Plate light** :

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- Make :
- Number(s) :
- Wattage of bulbs, (W) :
- Location :
- Colour :
- 17.5 **Reflector(s):**
- 17.5.1 **Front:**
 - Make :
 - Shape, Size and Area :
 - Number(s) :
 - Location :
 - Colour :
- 17.5.2 **Rear:**
 - Make :
 - Shape, Size and Area :
 - Number(s) :
 - Location :
 - Colour :
- 17.5.3 **Sides:**
 - Make :
 - Shape, Size and Area :
 - Number(s) :
 - Location :
 - Colour :
- 18. **Horn**
 - Make :
 - Type :
 - No. & location :
- 19. **Rear View Mirror**
 - Make :
 - Type :
 - Marking :
 - Location :
- 20 **Maximum gradeability, Degrees** :
- 21 **Grain Tank:**
 - Location :
- 21 **Steering**
 - Make :
 - Type :
 - Steering Control Wheel Dia (mm) :

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Date :		Date :

- Location of steering control wheel :
 - Minimum turning diameter, (m) :
 - With brake :
 - Without brake :

 - Minimum clearance diameter, (m) :
 - With brake :
 - Without brake :
- 22 **OVERALL DIMENSIONS (mm):**
- Length with trailer/ without trailer :
 - Width (Transport) :
 - Height :
 - Minimum ground clearance :
- 23 **Mass of combine on transport (Kg)**
- Mass of combine at front :
 - Mass of combine at rear :
 - Mass of combine :
 - Mass of cutter bar and trailer :

Manufacturer/Applicant	Document No., if any Revision status	Testing Agency: N.R.F.M.T & T.I, Hisar (Haryana)
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Designation :	Designation : Agricultural Engineer
Date :	Date :

**II. BRIEF TECHNICAL SPECIFICATION OF PRIME MOVER FOR TRACTOR
POWERED COMBINE HARVESTER**

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

1. **GENERAL**
 - Name and address of the manufacturer :
 - Address of Manufacturer :
 - Fax Number(s) :
 - Telephone Number (s) :
 - E mail address :
 - website :
2. **BRIEF TECHNICAL SPECIFICATION OF TRACTOR**
 - Make :
 - Model :
 - Type :
 - Chassis No. :
 - Engine serial no. :
 - Rated Engine Speed :
 - Max. PTO power, kW @ rpm (declared value) :
 - Rated PTO power, kW @ rpm (declared value) :
 - Whether tested in India earlier , If yes, specify Name of Test Agency & its test report No. with month and year of issue : --
3. **Prime Mover for the Tractor**
 - Make :
 - Model :
 - Type :
 - Serial Number :
 - Bore / stroke, mm (apa) :
 - Capacity,(cc) :
 - No. of cylinders :
 - Rated engine speed(rpm) :
 - Max engine output, kW @ rpm (declared value) :
 - Rated engine output, kW @ rpm (declared value) :
- 3.1 **Air Cleaner**
 - Nos. :

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Date :	Date :

- Type :
- Location :
- 3.2 Cooling System:**
- Type :
- 3.3 Fuel System**
- Type :
- 3.3.1 Fuel filter(s)**
- Make :
- Type :
- Model :
- Number(s) :
- Additional filter (s) if any :
- 3.3.2 Fuel feed pump**
- Make :
- Type :
- Model/group combination no. :
- :
- 3.3.3 Fuel Injection Pump**
- Make :
- Model/group combination no. :
- Type :
- Serial No. :
- 3.3.4 Governor**
- Make :
- Model/group combination no. :
- Serial No. :
- 3.3.5 Fuel tank**
- Material :
- Location :
- Capacity (l) :
- 3.4 Lubrication System**
- Type :
- No. & type of oil filter (s) :
- 3.5 Clutch**
- Type :
- No. of plate (s) :
- Main :
- PTO :
- 3.6 Gear box**
- Make :

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Designation :		Tractor	Designation : Agricultural Engineer
Date :		Date :

- Model & identification no., if any :
- Type :
- No. of arrangements :
- 3.6.1 No. of Speed :**
- 3.6.2 Range of speeds, (kmph):**
 - Forward :
 - Max. Speed, kmph :
- 3.7 Steering**
 - Make :
 - Type :
 - Steering control wheel dia., (mm) :
 - Location of steering control wheel :
 - Steered axle :
- 3.8 Wheel equipment & tyres**
- 3.8.1 Front**
 - Tyre size & ply rating :
 - Track width range ,(mm) :
 - Recommended tyre pressure for road work, kPa (kgf/cm²) :
- 3.8.2 Rear**
 - Tyre size & ply rating :
 - Track width range ,mm :
 - Recommended tyre pressure for road work, kPa (kgf/cm²) :
- 3.9 Brakes**
- 3.9.1 Service brake**
 - Type,Mechanical/Hydraulic/Any other(describe briefly) :
 - Location :
 - Method of operation :
- 3.9.2 Parking brake**
 - Type and brief description :
 - Location :
 - Method of operation :
- 3.10 Electrical system of tractor**
 - System voltage, (V) :
- 3.10.1 Battery**
 - Type :
 - Make :
 - Number(s) :

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Designation :		Designation : Agricultural Engineer
Date :		Date :

- Capacity and rating :
- 3.10.2 Generator (Alternator/Dynamo)**
- Type :
- Make :
- Max. output :
- 3.10.3 Starter**
- Type :
- Max power input, (kW) :
- 3.11 Mass,(Kg)** :
- 3.11.1**
- Unballasted :
- Max permissible Ballasted :
- 3.12 Max. gradeability in degrees** :
- 3.13 Seat (s)**
- 3.13.1 Operator's Seat:** :
- 3.13.2**
- Make :
- Type :
- Location :
- 3.14 Mirror:**
- Type :
- Location :
- 3.15 Wheel base(mm)** :
- 3.16 Overall Dimensions in Travel mode (mm)**
- Overall Length :
- Overall width :
- Overall Height :
- 3.17 Min. Ground clearance(mm)** :

Manufacturer/Applicant	Document No., if any Revision status		Testing Agency: N.R.F.M.T & T.I, Hisar (Haryana)
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Designation :		Tractor	Designation : Agricultural Engineer
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I,, Authorized signatory of**firm name**....., hereby certify that information given in page 4 to 13 is as per design/drawing of the prototype/commercial model of Tractor powered Combine Harvester submitted for inspection/test and is 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 :
 Place :
 Date :

Manufacturer/Applicant	Document No., if any Revision status	Testing Agency: N.R.F.M.T & T.I, Hisar (Haryana)
Signature : Name : Designation : Date :	Make & Model of Combine powered by Tractor 	Signature : Name : Sanjay Kumar Designation : Agricultural Engineer Date :