

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)
COMMERCIAL TEST REPORT (INITIAL)

संख्या/No. : T-1672/2203/2022
माह/Month : August, 2022

[ONLINE TESTING]

(यह परीक्षण रिपोर्ट 31/08/2025 तक वैध है / THIS TEST REPORT IS VALID UPTO 31/08/2025)



MAHINDRA, 265 DI SP PLUS TRACTOR



भारत सरकार

कृषि एवं किसान कल्याण मंत्रालय
(कृषि एवं किसान कल्याण विभाग)

GOVERNMENT OF INDIA

MINISTRY OF AGRICULTURE AND FARMERS WELFARE
(DEPARTMENT OF AGRICULTURE & FARMERS WELFARE)

केन्द्रीय कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

ट्रैक्टर नगर, बुदनी (म.प्र.) 466 445

CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE

(An ISO 9001:2015 Certified Institute)

TRACTOR NAGAR, BUDNI (M.P.) 466 445

E-mail: fmti-mp@nic.in

Web site: <http://www.fmttibudni.gov.in>

Telephone: 07564-299003

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1. SPECIFICATIONS

- 1.1 Tractor:**
- Make : Mahindra
 Model : 265 DI SP PLUS
 Brand name, if any : SARPANCH (apa)
 Type : Rear Wheel Drive, Standard Agricultural Tractor.
 Month & year of manufacture : 10/21
 Chassis number : MBNTFACBEMNG00004
 Country of origin : India
- 1.2 Engine:**
- Manufacturer's address : M/s. Mahindra & Mahindra Limited
 (Farm Equipment Sector), Hingna Road,
 Hingna MIDC, Nagpur- 440 016
- Make : Mahindra
 Model : MTDHI22NA033B3A
 Type : Four stroke, naturally aspirated, liquid cooled, direct injection, diesel engine.
 Serial number : NMF7EHE0005
 Country of origin : India
- 1.2.1 Engine speed (rpm), (Manufacturer's recommended production settings):**
- Maximum speed at no load : 2150 to 2350
 - Low idle speed : 750 to 850
 - Speed at maximum torque : 1200 to 1500
- Rated speed, (rpm):**
- For PTO use : 2000
 - For drawbar use : 2000
- 1.3 Cylinder & Cylinder Head:**
- Number : Three
 Disposition : Vertical, Inline
 Bore/stroke, (mm) : 88.9/120
 Capacity as specified by the applicant, (cc) : 2235
 Compression ratio : 20 (±1): 1
 Type of cylinder head : Monoblock
 Type of cylinder liners : Wet, replaceable
 Type of combustion chamber : Re-entrant cavity on piston crown
 Arrangement of valves : Overhead, inline
- | | | |
|------------------------------------|--------------------|-------------------|
| Valve clearance (cold/hot): | <u>Cold</u> | <u>Hot</u> |
| - Inlet valve, (mm) | 0.4 | 0.3 |
| - Exhaust valve, (mm) | 0.5 | 0.4 |
- 1.4 Fuel System:**
- Type of fuel feed system : Gravity and force feed
- 1.4.1 Fuel tank:**
- Capacity, (l) : 53.0
 Location : Above clutch housing
 Provision for draining of sediments/ water : Provided
 Material of fuel tank : Metallic
- 1.4.2 Water separator** : Not provided

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17. SUMMARY OF OBSERVATIONS, COMMENTS & RECOMMENDATIONS

17.1 On the basis of test conducted the performance results have been summarized as evaluative (mandatory) / Non-evaluative (Non-mandatory) parameters applicable for Qualifying Minimum Performance criteria as per Clause-4 (Table-1) of IS: 12207-2019 for acceptance of the tractor for the purpose of subsidies/NABARD financing are summarized as under:

Sl. No.	Characteristic	Category (Evaluative / Non Evaluative)	Requirements as per IS: 12207-2019	Values declared by the applicant/ (D) Requirement (R)	As observed	Whether meets the require- ments (Yes/No)
1	2	3	4	5	6	7
17.1.1	PTO Performance:					
a)	Maximum power under 2 h test, (kW) (Natural ambient condition)	Evaluative	Declared value to be achieved with a tolerance of: $\pm 5\%$ for PTO power and or engine power > 26 kW. $\pm 10\%$ for PTO power and or engine ≤ 26 kW.	22.08 (D)	23.1	Yes
b)	Power at rated engine speed, (kW)	Non Evaluative	-do-	22.08 (D)	22.8	Yes
c)	Specific fuel consumption corresponding to maximum power, (g/kWh)	Evaluative	+ 10% max.	256 (D)	259	Yes
d)	Maximum equivalent crankshaft torque, (Nm)	Non Evaluative	$\pm 8\%$	159 (D)	131.7	No
e)	Back-up torque, percent	Evaluative	12 percent	21 (D) 12 (R)	20.7	Yes
f)	Maximum operating temperature, ($^{\circ}$ C):					
	1) Engine oil	Evaluative	The declared value should not exceed the max. value specified by the oil company and the observed value under high ambient condition should not exceed the declaration.	130(D)	100	Yes
	2) Coolant	Evaluative	The declared value should not exceed the boiling temperature of coolant under the pressurized or otherwise and the observed value under high ambient condition should not exceed the declaration.	119(D)	88	Yes
g)	Engine oil consumption, (g/kWh)	Evaluative	Not exceeding 1% of SFC at max. Power under High ambient conditions.	2.59 Maximum (R)	0.23	Yes
h)	Smoke level, m^{-1}	Evaluative	Maximum light absorption coefficient of 3.25 per meter or equivalent BOSCH No. 5.2 or 75 Hatridge value (As per CMVR).	3.25 per meter Maximum (R)	0.23	Yes
17.1.2	Drawbar performance:					
a)	Max. drawbar pull with ballast corresponding to 15 percent wheel slip, (kN)	Non Evaluative	Minimum 70% of static mass of tractor with ballast.	17.0 (D) 17.68 Minimum (R)	21.53	Yes

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1	2	3	4	5	6	7	
b)	Max. drawbar pull without ballast corresponding to 15 percent wheel slip, (kN)	Evaluative	Minimum 70% of static mass of tractor without ballast or with standard ballast, as the case may be.	12.7 (D)	15.01	Yes	
				12.68 (R) Minimum			
c)	Maximum drawbar power without ballast, (kW).	Evaluative	Minimum 80 % of PTO power as referred in SI No. i) a) of PTO performance in case of tractors having total static mass > 1500 kg Minimum 75 % of PTO power as referred in SI No. i) a) of PTO performance in case of light weight tractors having ≤1500 kg total static mass of tractor Minimum 75 % of the engine power as referred in SI No. i) a) of engine performance in case of tractors which do not have a PTO shaft.	17.6 (D)	21.0	Yes	
				17.3 (R) Minimum			
d)	Maximum transmission oil temperature, (°C)	Evaluative	The declared value should not exceed the maximum value specified by oil company	120 (D)	81	Yes	
17.1.3 Power lift and hydraulic pump performance:							
a)	Maximum lifting capacity throughout the range of lift, (kN):						
	1)	At hitch points	Evaluative	Tolerance of ± 10%	14.60 (D)	13.14	Yes
	2)	With the standard frame	Evaluative	The lift capacity should at least be 24 kg/PTO kW and it should be 21.5 kg/engine kW where the tractor is not provided with a PTO shaft.	10.20 (D) 5.44 (R) Minimum	10.51	Yes
b)	Maximum drop in the height of the point of application of the force after each 5 minutes interval for a total duration of 30 Minutes, (mm)	Non Evaluative	The observed value should not exceed 50 mm	50 (D) Maximum	30	Yes	
17.1.4 Brake performance at 25 kmph:							
a)	Maximum stopping distance at a force, equal to or less than 600 N on brake pedal with road ballast, (m):						
	1)	Cold brake	Evaluative	10	10 (R)	6.49	Yes
	2)	Hot brake	Evaluative	10	10 (R)	6.56	Yes
b)	Maximum force exerted on the brake pedal to achieve a deceleration of 2.5 m/s ² . (N)	Evaluative	600	600 (R) Maximum	245 to 257	Yes	
c)	Whether parking brake is effective at a force of 600 N at foot pedal (s) or 400 N at hand lever	Evaluative	Yes / No	Yes	Yes	Yes	
17.1.5 Noise measurement:							
a)	Maximum ambient noise emitted by the tractor, dB(A)	Evaluative	As per CMVR	88 (R)	82	Yes	
b)	Maximum noise at operator's ear level, dB(A)	Evaluative	As per CMVR	96 (R)	92	Yes	

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1	2	3	4	5	6	7
17.1.6	Amplitude of mechanical vibrations at:					
1)	Left foot rest	Non Evaluative	100 microns (max.)	100 (R)	117	No
2)	Right foot rest				122	No
3)	Seat (with driver seated)				72	Yes
4)	Steering wheel				198	No
17.1.7	Air cleaner:					
	Maximum air cleaner oil pull over, (%)	Evaluative	0.25 (Max.)	Dry type air cleaner fitted		Not appli- cable
18.1.8	Haulage requirements:					
a)	Gross mass of the trailers, (tonne):					
	Two wheel	Non Evaluative	As specified by the manufacturer	5.0 (D)	5.0	Yes
	Four wheel	Non Evaluative		6.0 (D)	6.0	Yes
b)	Distance travelled / liter of fuel consumption, (km/l):					
	Two wheel	Non Evaluative	As specified by the manufacturer	4.0 to 5.0 (D)	6.73 to 6.78	No
	Four wheel	Non Evaluative		4.0 to 5.0 (D)	6.78 to 6.84	No
c)	Fuel consumption, (ml/km/tonne):					
	Two wheel	Non Evaluative	As specified by the manufacturer	25 to 30 (D)	29.50 to 29.74	Yes
	Four wheel	Non Evaluative		25 to 30 (D)	24.38 to 24.58	No
17.1.9	Wetland cultivation :					
	Sealing for the following assemblies:	Evaluative	The identified assemblies should essentially meet the requirement of IS: 11082. No water ingress in the identified assembly given in column-2.If tractor does not meet the requirements of wetland cultivation, it may be recommended for dry land operation only.	There should be no ingress of water and/or mud (R)	No ingress of water and/or mud was observed	Yes
1)	Clutch assembly	-do-				
2)	Brake housings	-do-				
3)	Front axle hubs	-do-				
4)	Engine Oil	-do-				
5)	Transmission Oil	-do-				
17.1.10	Safety features :					
a)	Guards against moving and hot parts	Evaluative	Belt drives, pulleys, silencer, hydraulic pipes [As per IS 12239 (Part2)]		Meets the requirement	Yes
b)	Lighting arrangement	Evaluative	As per CMVR		Meets the requirement	Yes
c)	Seating requirements (Tractors having more than 1150 mm rear track width)	Non Evaluative	Should meet the requirements of IS: 12343 (As amended from time to time)		Does not meet the requirement	No
d)	Technical requirements for PTO shaft	Evaluative	Should meet the requirements of IS: 4931 (As amended from time to time)		Meets the requirement	Yes

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1	2	3	4	5	6	7		
e)	Dimensions of three point linkage	Non Evaluative	Should meet the requirements of IS: 4468 (Part-I) (As amended from time to time)		Does not meet the requirement	No		
f)	Specifications of linkage drawbar	Evaluative	Should meet the requirements of IS: 12953 (As amended from time to time)		Meets the requirement	Yes		
g)	Swinging drawbar (wherever fitted)	Evaluative	Should meet the requirement of IS: 12362 (Part 3) (As amended from time to time)		Not provided	Not applicable		
h)	1) Maximum travelling speed at rated engine speed in reverse gears, Kmph	Evaluative	Should not exceed 20 Kmph		11.00 (Meets the requirement)	Yes		
	2) Audible warning signal on tractor	Evaluative	As soon as the travelling speed in reverse gear reaches to 20 kmph, an audible warning signal on tractor shall be activated. The safety aspects about the operation of shuttle technology shall be brought in operation and manufacturer /dealer shall ensure the training on this aspect to operator before the delivery of tractor.		Not fitted	Not applicable		
17.1.11	Labelling of tractors (Provision of labelling plate):							
	1)	Make	Evaluative	Should conform to the requirements of CMVR along with maximum PTO Power in kW and year of manufacture in numerical form. <table border="1" style="margin-left: 20px;"> <tr> <td>MM</td> <td>YY</td> </tr> </table> Digit 01 – 12 in box No.1 for MM will represent the months and next two digits in box No.2 for YY will represent the year of Manufacturing.	MM	YY	Mahindra	Yes
	MM	YY						
	2)	Model	Evaluative		265 DI SP PLUS	Yes		
	3)	Month & Year of manufacture	Evaluative		10/21	Yes		
	4)	Engine number	Evaluative		NMF7EHE0005	Yes		
	5)	Chassis number	Evaluative		MBNTFACBEM NG00004	Yes		
6)	Maximum PTO power, (kW)	Evaluative	22.08	Yes				
17.1.12	Discard limit for:							
(a)	Cylinder bore diameter, (mm)	Evaluative	To be specified by the manufacturer and supported by the printed literature	89.13	88.893 to 88.915	Yes		
(b)	Clearance between piston & cylinder liner at skirt, (mm)	Non Evaluative		0.30	0.099 to 0.103	Yes		
(c)	Piston diameter at skirt, (mm)	Non Evaluative		88.15	88.806 to 88.812	Yes		
d)	Ring end gap (mm):							
	-	Top comp. ring.	Evaluative	To be specified by the manufacturer and supported by the printed literature	2.5	0.25 to 0.30	Yes	
	-	2 nd comp. ring.			2.5	0.50	Yes	
	-	Oil ring.			2.0	0.30 to 0.35	Yes	

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1	2	3	4	5	6	7	
(e)	Ring groove clearance (mm):						
	-	Top comp. ring.	Evaluative	To be specified by the manufacturer and supported by the printed literature	0.30	--Tapered--	--
	-	2 nd comp. ring.			0.30	0.070 to 0.073	Yes
-	Oil ring.	0.20			0.045 to 0.049	Yes	
(f)	Clearance of main bearings (mm):						
	-	Diametrical clearance	Evaluative	To be specified by the manufacturer and supported by the printed literature	0.20	0.078 to 0.087	Yes
-	Crankshaft end float	Evaluative	0.60		0.08	Yes	
(g)	Clearance of big end bearings, (mm):						
	-	Diametrical	Evaluative	-do-	0.20	0.066 to 0.081	Yes
-	Axial	Evaluative	-do-	0.75	0.15 to 0.20	Yes	
(h)	Clearance between king pin and bush, (mm)		Non Evaluative	-do-	0.30	0.063 to 0.117	Yes
(i)	Clearance between centre pin and bush, (mm)		Non Evaluative	-do-	0.30	0.182 to 0.210	Yes
17.1.13	Literature (Submission to test agency)						
(a)	Operator manual		Evaluative	Provided / Not Provided	Provided	Provided	Yes
(b)	Parts Catalogue		Evaluative	Provided / Not Provided	Provided	Provided	Yes
(c)	Workshop/ Service manual		Evaluative	Provided / Not Provided	Provided	Provided	Yes
17.1.14	Fitment of Roll Over Protective Structures (ROPS):						
	For tractor having more than 1150 mm rear track width		Evaluative	ROPS should meet the requirement of IS:1182 or OECD code or equivalent International Standard		Not fitted	Not applicable
17.1.15	Standard Accessories		Evaluative	Trailer hitch, front tow hook, linkage drawbar should be provided with tractor		Provided	Yes
17.1.16	Accessories (optional)		Non Evaluative	Ballast weight, if fitted, should meet the requirement of CMVR		Not fitted	Not applicable

17.2 CATEGORY OF BREAKDOWNS / DEFECTS (As per clause 5.0 of IS:12207-2019):					
S. No.	Category of break-downs	Category (Evaluative / Non Evaluative)	Requirements as per IS: 12207-2019	As observed	Whether meets the Requirements (Yes/No)
1.	Critical	Evaluative	No critical breakdown	None	Yes
2.	Major	Evaluative	Not more than two and neither of them should be repetitive in nature	None	Yes
3.	Minor	Evaluative	Not more than five and frequency of each should not be more than two.	None	Yes
4.	Total breakdowns	Evaluative	In no case, the total number of breakdowns should exceed five, that is, (2 major + 3 minor) or (1 major + 4 minor) or 5 minor breakdowns.	None	Yes

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17.3 Conformity with following IS:

- i) Guidelines for declaration of power and specific fuel consumption and labeling of agricultural tractors (First revision) [IS10273:1987 (Reaffirmed in January,2019)] : Conforms
- ii) Agricultural tractors - Rear mounted power take-off - Types 1, 2 and 3 (third revision) [IS:4931-1995 (Reaffirmed in January, 2019)] : Conforms
- iii) Agricultural wheeled tractors – Rear mounted three-point linkage: Part 1 Categories 1, 2, 3 & 4 (fourth revision) [IS: 4468(Part-I):1997/ ISO 730-1:1994 (Reaffirmed in 2017)] : **Does not conform**
- iv) Drawbar for agricultural tractors – Link type [IS 12953:1990 (Reaffirmed October, 2017)] : Conforms
- v) Agricultural tractors- Operator's seat technical requirement [IS12343–2021] : **Does not conform**
- vi) Guide for safety & comfort of operator of agricultural tractors:Part 1 General requirements (first revision):[IS 12239 (PT-1)-2018 / ISO 4254-1:2018] : **Does not conform**
- vii) Tractors and machinery for agriculture and forestry – Technical means for ensuring safety Part 2: Tractors (first revision) (IS 12239 (PT-2) 1999) (Reaffirmed in January, 2019)] : **Does not conform**
- viii) Guide lines for location and operation of operator controls on agricultural tractors and machinery [IS: 8133-2021] : **Does not conform**
- ix) Tractors and machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays Part2 Symbols for agricultural tractors and machinery [IS: 6283(Part-1)- 2006 and IS: 6283 (Part-2)-2007(Reaffirmed in January,2019)] : Conforms
- x) Agricultural Tractors and Machinery-Lighting device for travel on public roads (IS:14683-1999) (Reaffirmed in January,2019)] : Conforms

17.4 Salient Observations:

17.4.1 Laboratory tests:

17.4.1.1 PTO Performance Test

Maximum equivalent crankshaft torque was observed as 131.7 Nm against the declaration of 159 Nm, which does not meet the non-evaluative requirement of IS: 12207-2019 with regard to tolerance. This should be looked into for corrective action.

17.4.1.2 Mechanical Vibration

The amplitude of mechanical vibration on various assemblies marked as (*) in Chapter – 9 of this test report is on higher side. This calls for dampening down of vibrations to improve the operational comfort and service life of components.

17.4.1.3 Operator's seat:

- i) Length of seat from SIP has been measured as 200 mm against the requirement of 260 ± 50 mm.
- ii) Provision for adjustment of driver's mass has been specified as 50 to 120 kg against the requirement of 40 to 100 kg.
- iii) Vertical distance from SIP to centre of accelerator pedal has been measured as 465 mm against the requirement of 230 to 460 mm.
- iv) Vertical distance from SIP to centre of steering control wheel has been measured as 190 mm against the requirement of 265 to 385 mm.
- v) Vertical distance of SIP from foot rest has been measured as 545 mm against the requirement of 450 to 520 mm.

Above parameters does not meet the requirement of IS: 12343-2021. This should be looked into for necessary corrective action at production level.

17.4.1.4 Operator's work place:

- i) Width of foot step has been measured as 165 mm against the requirement of 200 mm.
 - ii) Spark arresting device has not been provided in the exhaust system.
- Above parameters does not meet the requirement of IS: 12239 (Part-I) 2018. This should be looked into for necessary corrective action at production level.

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17.4.1.5 PTO master shield:

PTO master shield has not been provided on tractor. This should be looked into for necessary corrective action.

17.5 Maintenance / Service Problems:

No noticeable maintenance or service problem was observed during the test.

17.6 Recommendation with regard to safety on tractor:

- i) Fuel shutoff knob does not remain in stop position as per the requirement of IS: 8133-2021.
- ii) Identification of hand controls by colour has not been provided as per the requirement as laid down in Table – 5 of IS: 8133-2021.
- iii) The hand accelerator lever, when moved away from the operator (i.e. forward) decreases the engine speed, which does not meet the requirement as laid down in Table – 1 of IS: 8133-2021.
- iv) The neutral position has not been marked for gear selection on both the main gear shifting lever and range selection lever as per the requirement as laid down in Table-1 of IS: 8133-2021.
- v) The working clearance between draft control lever and RHS fender has been measured as 35 mm against the minimum requirement of 70 mm as laid down in IS: 8133-2021.
- vi) The working clearance between parking brake lever and RHS fender has been measured as 35 mm against the minimum requirement of 70 mm as laid down in IS: 8133-2021.

Above parameters should be looked into for necessary corrective action.

17.7 Haulage Test

- i) Distance travelled per litre fuel consumption with two wheel and four wheel trailers was observed as 6.73 to 6.78 km and 6.78 to 6.84 km respectively against the declaration of 4.0 to 5.0 km. This should be looked into.
- ii) Specific fuel consumption with four wheel trailer was observed as 24.38 to 24.58 cc/km/ton against the declaration of 25 to 30 cc/km/ton.

17.8 Three point linkage:

Lateral movement of lower hitch points has been observed as 93 mm against the minimum requirement of 125 mm for Cat. II hitch as per IS/; 4468-1997 (Part-1). This should be looked into for corrective action.

17.9 Specification

Discrepancies in the specification between the Specification sheet and Operator's manual :

S. No.	Description	As per Specification Sheet	As per Operator's manual
a)	Tractor Model	265 DI SP Plus	265 SP Plus (Refer P. No. 3-4 to 3-6)
b)	Coolant as recommended	M/s BIL MT-92	Mahindra M-Star Coolz or coolant conforming to JIS K-2234 (P. No. 19-1)
c)	Coolant water ratio	1:4	In 1 litre of mineral water, add 50 to 60 ml concentrated antirust additive (Refer P. No. 12-6)
d)	Transmission oil	TRACT ELF MM/ IOCL	M-Star genuine OIB oil or Servo MTRAC 30 (P. No. 19-1)
e)	Schedule for transmission oil change	After every 1200 hours of operation	First change at 1300 hours and then after every 1200 hours (Refer P. No. 20-6)

17.10 Components/ Assembly Inspection :

The discard limit for height of clutch lining over rivet head has been measured as 1.40 to 1.53 mm against the specified discard limit as 5.3 mm vide specification sheet. This discard limit seems to be seems erroneous and needs necessary corrective action.

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17.11 Adequacy of Literature supplied with machine:



17.11.1 The following literatures were supplied with the test tractor for reference during the test: -

- a) Operator Manual for "Mahindra 265 DI SP Plus" tractor model.
- b) Parts catalogue for "Mahindra 265 DI SP Plus" tractor model.
- c) Service manual for "Mahindra 265 DI SP Plus" tractor model.

17.11.2 The operator manual may be brought out for the guidance of users and service personnel as per IS: 8132-1999 incorporating, inter alia, the following:

- i) Safe hitch height while using four wheel trailer.
- ii) Recommended matching implement for puddling operation
- iii) Recommended ballast masses for different operations.

TESTING AUTHORITY:

C.V. CHIMOTE TEST ENGINEER	
P. K. PANDEY DIRECTOR	

Draft test report compiled by: **Partha Lodh**, Senior Technical Assistant

18. APPLICANT'S COMMENTS

Para no.	Our reference	Applicant comments
18.1	17.9 & 17.11.2	Observations will be studied and necessary corrective actions for improvement in the manuals will be ensured.

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ANNEXURE-I

BRIEF SPECIFICATION OF MATCHING IMPLEMENTS AS DECLARED BY APPLICANT

S. No.	Parameters	Disc Plough	Rotavator	Puddler
1	Make	Massey Ferguson	Farmking	Not available
2	Type	Mounted	Mounted	Mounted
3	No. of Discs / Blades	Two	30 in 5 flanges	12 (6 in 2 gangs)
4	Type of Discs / Blades	Plain concave	Hatchet	Notched
5	Size of Discs / Blades, (mm)	650	220 x 75 x 7	460
6	Spacing of Discs /Flanges, (mm)	510	240	165
7	Lower hitch point span, (mm)	735	800	680
8	Mast height, (mm)	540	640	500
9	Overall Dimensions, (mm):			
	Length	1550	970	1190
	Width	990	1510	1810
	Height	1110	1100	1330
10	Gross Mass, (kg)	250	415	240
11	Working width (cm)	2 x 30	125	210

ANNEXURE-II

BRIEF SPECIFICATION OF MATCHING CAGE WHEELS DECLARED BY APPLICANT

S.No.	Items	Specification
1	Type	Half cage wheel
2	Outer dia. (mm)	1200
3	Width (mm)	360
4	No. & Type of Lugs	14, straight lugs made of MS angle section welded to angle iron frame
5	Size of angle section, (mm)	50 x 50 x 5
6	Length of lug, (mm)	360
7	Spacing of lug, (mm)	260
8	Weight of each cage wheel, (kg)	100

ANNEXURE-III

BRIEF SPECIFICATION OF TRAILER DECLARED AS MATCHING TRAILER BY APPLICANT

S. No.	Item	Trailer	Trailer
1.	Type of trailer	Semi - Trailer	Semi – Trailer
2.	Number of axles	Single	Double
3.	Un laden Weight of Trailer, kg	1670	2800
4.	Fully laden Weight of Trailer, Tons (Kg)	Not specified	Not specified
5.	Overall dimensions of Trailer, (mm):		
	Overall Width	1870	2140
	Overall Length	4180	5785
	Overall Height	2175	2110
	Wheel Base	Not applicable	2835
	Wheel Track	1600	1740(Front) &1765(Rear)
6.	Dimension of fitted Platform, (mm):		
	Length	3040	4225
	Width	1830	2135
	Height from ground	1190	1305
7.	Brakes of Trailer	Not Provided	Not Provided

T-1672/2203/2022	MAHINDRA, 265 DI SP PLUS TRACTOR - COMMERCIAL (INITIAL)
	THIS TEST REPORT IS VALID UPTO: 31/08/2025

ANNEXURE-IV

TRACTOR RUN HOURS DURING TEST

A.	LABORATORY AND TRACK TESTS:	HOURS
1.	Running-in	60.03
2.	PTO performance test	12.3
3.	Power lift and hydraulic pump performance test	1.5
4.	Drawbar performance test	17.7
5.	Turning ability& Location of centre of gravity	0.3
6.	Operator's field of vision	--
7.	Brake test	1.8
8.	Noise measurement	1.6
9.	Mechanical vibration test	0.3
10.	Nominal speed test	1.0
B.	FIELD TEST:	
1.	Disc ploughing	11.0
2.	Rotavation	11.8
3.	Puddling (including 5.0 hours water proof test)	15.3
C.	HAULAGE TEST:	5.3
D.	Miscellaneous test and other run hours including idle run, transportation, trials and preparation for test	13.3
TOTAL:		153.2