व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक) संख्या/No. : T-1649/2180/2022

COMMERCIAL TEST REPORT (Initial) माह/Month : May, 2022

[ONLINE TESTING]

(यह परीक्षण रिपोर्ट 31/05/2025 तक वैध है / THIS TEST REPORT IS VALID UPTO 31/05/2025)



ESCORTS LIMITED, CHAMPION F11 (BRAND NAME- FARMTRAC) TRACTOR



भारत सरकार

कृषि एवं किसान कल्याण मंत्रालय

(कृषि, सहकारिता एवं किसान कल्याण विभाग)

GOVERNMENT OF INDIA MINISTRY OF AGRICULTURE AND FARMERS WELFARE

(DEPARTMENT OF AGRICULTURE, CO-OPERATION & 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)

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ESCORTS LIMITED, CHAMPION F11 (BRAND NAME- FARMTRAC) TRACTOR- COMMERCIAL (Initial)

THIS TEST REPORT IS VALID UPTO: 31/05/2025

Manufacturer : M/s. Escorts Limited,

Plot No. 2 & 3, Sector – 13 FARIDABAD – 121 007

Haryana

Test requested by (Applicant) : M/s. Escorts Limited.

Knowledge Management Centre,

15/5, Mathura Road,

Faridabad -121 003, Haryana

Test requested by (applicant) : The manufacturer

Selected for test by : The testing authority Place of running-in : At Testing Institute

Duration of said running-in, (h):

- Engine : 20 - Transmission : 30

Method of Selection : The test sample was selected randomly out

of five tractors from the production line by the representative of testing authority

through online mode.

Details of random se	f tractors made available for election			
Sr. No.	Chassis serial Number			
1	T052564412EK			
2	T052564413EK			
3	T052564414EK			
4	T052564258EK			
5	T052564477EK			

1. SPECIFICATIONS

1.1 Tractor:

Make : Escorts limited

Model : Champion F11

Brand name, if any : FARMTRAC

Type : Rear Wheel Drive, Standard Agricultural

Tractor.

Month & year of manufacture : 08/21

Chassis number : T052564414EK

Country of origin : India

1.2 Engine:

Manufacturer's address : M/s. Escorts Limited,

Plot No. 2 & 3, Sector – 13 FARIDABAD – 121 007

Haryana

Make : Escorts Limited Model : E3.234A.3A

Type : Four stroke, direct injection, naturally

aspirated, liquid cooled, diesel engine.

Serial number : E2560326 Country of origin : India

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18. SUMMARY OF OBSERVATIONS, COMMENTS & RECOMMENDATIONS

18.1 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:

SI. No.	Cha	aracteristic	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
18.1.1	PTO	Performance					
a)	Maximum power under 2 h test, (kW) (Natural ambient condition)		Evaluative	Declared value to be achieved with a tolerance of: ±5% for PTO power and or engine power >26 kW. ±10% for PTO power and or engine ≤ 26 kW.	23.3 (D)	23.6	Yes
b)	engir (kW)		Non Evaluative	-do-	23.3 (D)	23.6	Yes
c)	Specific fuel consumption corresponding to maximum power, (g/kWh)		Evaluative	+ 10% max.	250 (D)	241	Yes
d)	Maximum equivalent crankshaft torque, (Nm)		Non Evaluative	± 8%	145 (D)	151.2	Yes
e)	perce		Evaluative	12 percent	12 (D) 12 (R)	33.9	Yes
f)	Maxi	mum operating	temperature,	(⁰ 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.	125 (D)	99	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.	110 (D)	99	Yes
g)	Engine oil consumption, (g/kWh)		Evaluative	Not exceeding 1% of SFC at max. Power under High ambient conditions.	2.42 Maximum (R)	0.61	Yes
h)	Smok	ke 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)	0.15	Yes

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1		2	3	4	5	6	7
18.1.2	Dra	wbar performa	nce:				
a)	cori to		Non Evaluative	Minimum 70% of static mass of tractor with ballast.	16.7 (D) 17.30 Minimu m (R)	23.03	Yes
b)	Max pull ball con to	k. drawbar without	Evaluative	Minimum 70% of static mass of tractor without ballast or with standard ballast, as the case may be.	12.50 (D) 12.87 (R) Minimu m	15.21	Ye
c)	dra	kimum wbar power nout ballast, /).	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.	18.64 (D) 18.9 (R) Minimum	- 20.1	Yes
d)	trar	kimum esmission oil perature,	Evaluative	The declared value should not exceed the maximum value specified by oil company	125 (D)	88	Ye
18.1.3				p performance:			
a)	Max 1	kimum lifting c At hitch points	apacity throug Evaluative	phout the range of lift, (kN): Tolerance of ± 10%	11.3 (D)	10.68	Ye
	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.	7.85 (D) 5.56 (R) Minimum	9.84	Ye
b)	in the app the eac inte	lication of force after h 5 minutes rval for a I duration of Minutes,	Non Evaluative	The observed value should not exceed 50 mm	50 (D) Maximun	90	No
18.1.4	_	ke performan	ice at 25 kmr	oh:			
a)	Max		ig distance at	t a force, equal to or less th	an 600 N	on brake	peda
	1)	Cold brake	Evaluative	10	10 (R)	7.23	Ye
	2)	Hot brake	Evaluative	10	10 (R)	7.60	Ye

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1	2		3	4	5	6	7
b)	Maximum force exe	erted on		•	600 (R)	302	
	the brake pedal to a		Evaluative	600		to	Yes
	deceleration of 2.5 m/	′s ^{2,} (N)			Maximum	373	
c)		rake is					
	effective at a force of		Evaluative	Yes / No	Yes	Yes	Yes
	foot pedal (s) or 4	00 N at		1007110	. 00		. 00
	hand lever						
18.1.5	Noise measurement	:					
a)	Maximum ambient	noise	Evaluativa	As per	00 (D)	01	Voc
	emitted by the tractor,	dB(A)	Evaluative	CMVR	88 (R)	81	Yes
b)	Maximum noise at o	perator's		As per	00 (D)	0.4	
,	ear level, dB(A)	•	Evaluative	CMVR	96 (R)	91	Yes
18.1.6	Amplitude of mecha	nical vibr	ations at:			1	
	Left foot rest					109	No
	2) Right foot rest		Non	100	100	82	Yes
	3) Seat (with drive	r seated)	Evaluative	microns	(R)	61	Yes
	4) Steering wheel	. 300100)		(max.)	(,,)	233	No
18.1.7	Air cleaner:		1	I			
	Maximum air cleane	r oil null	Evaluative	0.25	0.25	0.06	Yes
	over, (%)	on pun	Lvaldative	(Max.)	(Max.)	0.00	100
18.1.8	Haulage requiremen	ts:		(1116271.)	(ividixi)	<u> </u>	
a)	Gross mass of the tra		ne):				
	Two wheel	, (Non		5.0 (D)	5.0	
			Evaluative	As specified	5.0 (D)	5.0	Yes
	Four wheel		Non	by the manufacturer	6.0 (D)	6.0	Yes
		Evaluative		0.0 (D)	0.0	163	
b)	Distance travelled /	iter of fue	el consumpt	ion, (km/l):			
	Two wheel		Non		5.0	6.78	No
			Evaluative	As specified	to	to	
	E			by the	7.0 (D)	7.26	
	Four wheel		Non	manufacturer	5.0	6 00	N.
			Evaluative		to 7.0 (D)	6.89	No
c)	Fuel consumption, (ml/km/tor	no).		1.0 (D)		
()	Two wheel	1111/1111/101			30 to 37	27.56	
	1 470 WIICOI		Non	As specified	(D)	to	No
			Evaluative	by the		29.50	
	Four wheel		Non	manufacturer	30 to 37	24.18	No
18.1.9	Wetland cultivation	Evaluative		(D)			
10.1.3	Sealing for the	Evaluativ	e				
	following assemblies:	Lvaluativ					
	1) Clutch	-do-		ed assemblies entially meet the			
	assembly			nt of IS: 11082.	There	No	
	2) Brake	-do-	No water in	gress in the	should be	ingress of	
	housings			ssembly given in If tractor does	no ingress of water	water and/or	Yes
	3) Front axle	-do-		ne requirements	and/or	mud was	
	hubs		of wetland	cultivation, it	mud (R)	observed	
	4) Engine Oil	-do-		commended for			
	5) Transmission	-do-	ury ianu op	eration only.			
	Oil						

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1		2	3	4	5		6	7
18.1.10	Sat	fety features :	· · · · · · · · · · · · · · · · · · ·	•	<u> </u>		<u> </u>	
a)	Gu	ards against ving and hot	Evaluative	Belt drives, pulle hydraulic pipes 12239 (Part2)		_	eets the quirement	Yes
b)	_	hting angement	Evaluative	As per CN	MVR		eets the quirement	Yes
c)	req (Tra moi	ating uirements actors having re than 1150 mm r track width)	Non Evaluative	Should meet the of IS: 12343 (A from time to time)	As amende	ed ree	Does not meet the quirement	No
d)	req	chnical uirements for O shaft	Evaluative	Should meet the of IS: 4931 (As ar time to time)			eets the quirement	Yes
e)	thre	nensions of ee point linkage	Non Evaluative	amended from tim	(Part-I) (A le to time)	As rec	Does not meet the quirement	No
f)		ecifications of age drawbar	Evaluative	Should meet the of IS: 12953 (A from time to time)	As amende	ed re	eets the quirement	Yes
g)		inging drawbar nerever fitted)	Evaluative	Should meet the of IS: 12362 (Famended from time	Part 3) (<i>A</i>	nt No	ot provided	Not appli - cable
h)	1)	Maximum travelling speed at rated engine speed in reverse gears, Kmph	Evaluative	Should not exceed 20 Kmph	d		13.18 Meets the equirement)	Yes
	2)	Audible warning signal on tractor	Evaluative	speed in reverse of to 20 kmph, warning signal on be activated. aspects about the shuttle technology brought in open	an audib tractor sha The safe operation gy shall be eration ar lealer sha ing on th or before th	es le all ty of oe all is	Not fitted	Not appli - cable
18.1.11	Lab	elling of tractor	rs (Provision	of labelling plate				
	1)	Make	Evaluative	Should conform requirements of	to the CMVR		scorts imited	Yes
	2)	Model	Evaluative	along with maxim Power in kW and manufacture in r form.	l year of	(Bran	npion F11 nd Name - MTRAC)	Yes
	3)	Month & Year of manufacture	Evaluative	MM YY Digit 01 – 12 in box			08/21	Yes
	4)	Engine number	Evaluative	for MM will repre months and next t in box No.2 for YY			560326	Yes
	5)	Chassis number	Evaluative	will represent the y Manufacturing.	ear of		564414EK	Yes
	6)	Maximum PTO power, (kW)	Evaluative	-			23.3	Yes
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1		2	3	4	5	6	7
18.1.12	Di	scard limit for:	-				
(a)	Cylinder bore diameter, (mm)		Evaluative	To be specified by	95.3	95.00 to 95.02	Yes
(b)	be cy	earance etween piston & linder liner at irt, (mm)	Non Evaluative	the manufacturer and supported by the printed literature	0.5	0.096 to 0.106	Yes
(c)	Pi	ston diameter at irt, (mm)	Non Evaluative		When the ring groove clearance exceeds discard limit	94.914 to 94.916	Yes
d)	Ri	ng end gap (mm)):				•
		Top comp. ring. 2 nd comp. ring. Oil ring.	Evaluative	To be specified by the manufacturer and supported by the printed	3.0 3.0 3.0	0.45 to 0.50 0.70 to 0.75 0.45 to 0.55	Yes Yes Yes
(e)	D:			literature			
(e)	- KI	ng groove cleara Top comp. ring.	ince (mm):		0.50	Tappered	
	-	2 nd comp. ring.	Evaluative	To be specified by the manufacturer and supported by	0.50	0.065 to 0.069	Yes
	-	Oil ring.		the printed literature	0.50	0.041 to 0.050	Yes
(f)	CI	earance of main	bearings (mr	n):			
	-	Diametrical clearance	Evaluative	To be specified by the manufacturer and supported by	0.40	0.080 to 0.114	Yes
	-	Crankshaft end float	Evaluative	the printed literature	0.75	0.28	Yes
(g)	CI	earance of big er					
	-	Diametrical	Evaluative	-do-	0.40	0.079 to 0.090	Yes
4.	-	Axial	Evaluative	-do-	0.75	0.30	Yes
(h)	Clearance between king pin and bush, (mm)		Non Evaluative	-do-	0.40	0.091 to 0.211	Yes
(i)	Clearance between centre pin and bush, (mm)		Non Evaluative	-do-	0.40	0.239 to 0.267	Yes
18.1.13							
(a)	Operator manual		Evaluative	Provided / Not Provided	Provided	Provided	Yes
(b)		arts Catalogue	Evaluative	Provided / Not Provided	Provided	Provided	Yes
(c)		orkshop/ ervice manual	Evaluative	Provided / Not Provided	Provided	Provided	Yes

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18.1.14	Fitment of Roll Ove	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 applic- able
18.1.15	Standard Accessories	Evaluative	Trailer hitch, front tow hook, linkage drawbar should be provided with tractor	Provided	Yes
18.1.16	Accessories (optional)	Non Evaluative	Ballast weight, if fitted, should meet the requirement of CMVR	Provided	Yes

18.2	CATEGORY OF BREAKDOWNS / DEFECTS (As per clause 5.0 of IS:12207-20				
SI. No.	Category of break-downs	Category (Evaluative / Non Evaluative)	Requirements as per IS: 12207-2019	As observe -d	Whether meets the Require- ments (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

18.3 Conformity with following IS:

i) Guide lines for declaration of power and specific fuel consumption and : Conforms labeling of agricultural tractors (First revision) [IS10273: 1987 (Reaffirmed in January, 2019)]

ii) Agricultural tractors - Rear mounted power take-off - Types 1, 2 and 3 (third : Conforms revision) [IS:4931-1995 (Reaffirmed in January, 2019)]

iii) Agricultural wheeled tractors - Rear mounted three-point linkage: Part 1 : Does not Categories 1, 2, 3 & 4 (fourth revision) [IS 4468(Part-I):1997/ISO 730-1:1994 conform (Reaffirmed in 2017)]

iv) Drawbar for agricultural tractors – Link type [IS 12953:1990 (Reaffirmed : Conforms October, 2017)]

v) Agricultural tractors - Operator's seat technical requirement [IS 12343 –1998 : Does not (First revision) (Reaffirmed in January, 2019)] conform

vi) Guide for safety & comfort of operator of agricultural tractors: Part 1 General : Does not requirements (first revision): [IS 12239 (PT-1)-2018 /ISO 4254-1:2018] conform

vii) Tractors and machinery for agriculture and forestry – Technical means for ensuring safety Part 2: Tractors (first revision) (IS 12239 (PT-2) 1999) conform (Reaffirmed in January, 2019)]

viii) Guide lines for location and operation of operator controls on agricultural: Conforms tractors and machinery (first revision) IS: 8133- 1983 (Reaffirmed in January, 2019)]

ix) Tractors and machinery for agriculture and forestry, powered lawn and : Conforms garden equipment - Symbols for operator controls and other displays Part 2 Symbols for agricultural tractors and machinery [IS:6283 (Part-1)- 2006 and IS: 6283 (Part-2)- 2007 (Reaffirmed in January, 2019)]

x) Agricultural Tractors and Machinery - Lighting device for travel on public : Conforms roads (IS: 14683-1999) (Reaffirmed in January, 2019)]

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18.4 Salient Observations:

18.4.1 Laboratory tests:

18.4.1.1 Drawbar performance:

During drawbar performance test under ballasted condition, the LHS rear tube got punctured due to creeping of tyre over the rim. So, the LHS rear wheel tube was replaced with new one of same specification and RHS rear tube air filling valve was reset to its original position.

18.4.1.2 Mechanical Vibration:

The amplitude of mechanical vibration on various assemblies / components marked as (*) in Chapter – 10 of this test report is on higher side. This calls for dampening down of vibrations especially on left foot rest and steering control wheel to improve the operational comfort and service life of components.

18.4.1.3 Hydraulic performance test:

- The angle through which the mast rotates over the full range of lift was observed as **5** degree against the requirements of **10** degrees as per IS 12224 1987. This should be looked into for necessary corrective action at production level.
- ii) The maximum Cumulative drop in height of lift during load maintenance test was observed was 90 mm which does not meet the requirement of 50 mm maximum as per IS-12207-2019. This should be looked into for necessary corrective action.

18.4.1.4 Operator's Seat:

- Length of seat from SIP has been measured as 200 mm against the minimum requirement of 210 mm.
- ii) Vertical adjustment upward and downward from mid position has been measured as 20 mm against the minimum requirement of 30 mm.
- iii) Vertical distance of SIP to centre of clutch pedal has been measured as 355 mm against the maximum requirement of 380 mm.
- iv) Vertical distance of SIP to centre of brake pedal has been measured as 355 mm against the maximum requirement of 380 mm.

Above parameters does not meet the requirement of IS: 12343-1998, (Re-affirmed in January, 2019). This should be looked into for necessary corrective action at production level.

18.4.1.5 Operator's work place:

Operator's work place meets the requirements of IS: 12239 (Part-I) 2018, **except the following:**

- i) Vertical retainer has not been provided on inner side of clutch pedal.
- Width of foot step has been measured as 150 mm against the requirement of 200 mm.
- iii) 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.

18.4.1.6 PTO master shield:

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

18.4.1.7 Wheel Rims:

- 18.4.1.7.1 The sizes of Drive Wheel Rims were found to be "W 11 X 28", against the declaration of "W 12 X 28", vide specification sheet submitted by you. It MUST be looked into for necessary corrective action.
- 18.4.1.7.2 Rule 95 A (2) of CMVR, 1989 read in conjunction with IS: 13154- 2015 provides for "The Agricultural Tractor manufacturer shall select ONLY THAT RIM SIZE AS RECOMMENDED BY THE TYRE MANUFACTURER." In this case, the rim size RECOMMENDED by IS: 13154-2015, by ITTAC manual, or even in your specification sheet, is "W 12 X 28". An immediate corrective action is required to be taken even in stand point of view with compliance to CMVR, 1989.

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18.5 Maintenance / Service Problems:

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

18.6 Recommendation with regard to safety on tractor:

The following requiremen 1ts, inter alia, may be considered for incorporation on the tractor:

- The working clearance around position and draft control lever should be provided as per IS: 12239 (Part-2) – 1999.
- ii) The working clearance around position control lever and RHS fender should be provided as per IS: 12239 (Part-2) – 1999.
- iii) The working clearance around PTO engaging lever and LHS should be provided as per IS: 12239 (Part-2) – 1999.

18.7 Adequacy of Literature supplied with machine:

- 18.7.1 The following literatures were supplied with the test tractor for reference during the test: -
 - a) Operator's Manual for "Champion F11 (Brand name: FARMTRAC) tractor" model.
 - b) Parts catalogue for "Champion F11 (Brand name: FARMTRAC)" tractor model.
 - c) Service manual for "Champion F11 (Brand name: FARMTRAC)" tractor model.
- 18.7.2 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:
 - Safe hitch height while using trailer.

TESTING AUTHORITY:

C.V. CHIMOTE TEST ENGINEER

P. K. PANDEY DIRECTOR

Thurus and the second of the second

Draft test report compiled by: Pratyush Satya, Senior Technical Assistant

19. APPLICANT'S COMMENTS

Para no.	Our reference	Applicant comments
19.1	18.4.1.7.1	Your valuable comment for correction is well taken. We will try to eliminate such discrepancies in future to match the specification of machine submitted with its application.
19.2	18.4.1.7.2	Your comments for fitment of recommendation rim size according to IS: 13154-2015/ITTAC manual is well taken. We will take necessary actions in our design to eliminate this gap.

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ANNEXURE-I

BRIEF SPECIFICATION OF MATCHING IMPLEMENTS AS DECLARED BY APPLICANT

S. No.	Parameters	Disc Plough	Rotavator
1	Make	Field King	Sonalika
2	Туре	Mounted	Mounted
3	No. of Discs / Blades	Two	36 in 7 flanges
4	Type of Discs / Blades	Plain concave	Hatchet
5	Size of Discs / Blades, (mm)	625	220 x 75 x 6
6	Spacing of Discs /Flanges, (mm)	560	235
7	Lower hitch point span, (mm)	785	730
8	Mast height, (mm)	520	515
9	Overall Dimensions, (mm):		
	Length	1910	1100
	Width	690	1710
	Height	1180	980
10	Gross Mass, (kg)	295	380
11	Working width (cm)	2 x 30	1500

ANNEXURE-II

BRIEF SPECIFICATION OF MATCHING CAGE WHEEL AS DECLARED BY APPLICANT

S.No.	Items	Specification
1	Type	Full cage wheel
2	Outer dia. (mm)	1265
3	Width (mm)	950
4	No. & Type of Lugs	26, straight lugs made of MS angle section welded
		to angle iron frame & angular type
5	Size of angle section, (mm)	50 x 50 x 5
6	Length of lug, (mm)	470
7	Spacing of lug, (mm)	265
8	Weight of each cage wheel, (kg)	130

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)	4000	5500
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

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ESCORTS LIMITED, CHAMPION F11 (BRAND NAME- FARMTRAC) TRACTOR- COMMERCIAL (Initial) THIS TEST REPORT IS VALID UPTO: 31/05/2025

ANNEXURE-IV

TRACTOR RUN HOURS DURING TEST

A.	LABORATORY AND TRACK TESTS:	HOURS	
1.	Running-in	53.2	
2.	PTO performance test	11.0	
3.	Power lift and hydraulic pump performance test	2.6	
4.	Drawbar performance test	22.8	
5.	Turning ability	0.3	
6.	Location of centre of gravity	0.2	
7.	Operator's field of vision	-	
8.	Brake test	1.5	
9.	Air cleaner oil pull over test	3.5	
10.	Noise measurement	1.0	
11.	Mechanical vibration test	0.8	
12.	Nominal speed test	0.8	
B.	FIELD TEST:		
1.	Disc ploughing	10.8	
2.	Rotavation	10.4	
3.	Puddling (including 5.0 hours water proof test)	15.2	
C.	HAULAGE TEST:	5.2	
D.	Miscellaneous test and other run hours including idle run,	8.2	
	transportation, trials and preparation for test		
	TOTAL:	147.5	