व्यावसायिक परीक्षण रिपोर्ट (प्रथम बैच द्वितीय नमूना) संख्या / No. : T-1501/2028/2020 COMMERCIAL TEST REPORT (1st Batch Second Sample) माह / Month : December, 2020

(यह परीक्षण रिपोर्ट 31/12/2025 तक वैध है। / THIS TEST REPORT IS VALID UP TO : 31/12/2025)

DEUTZ FAHR, AGROLUX 70 E TRACTOR



मारत सरकार भारत सरकार कृषि एवं किसान कल्याण मंत्रालय कृषि, सहकारिता एवं किसान कल्याण विभाग मशीनीकरण एवं प्रौद्योगिकी प्रभाग GOVERNMENT OF INDIA

MINISTRY OF AGRICULTURE AND FARMERS WELFARE

(Department of Agriculture, Cooperation & Farmers Welfare, Mechanization & Technology Division) केन्द्रीय कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

ट्रैक्टर नगर, बुदनी (म.प्र.) ४६६ ४४५

CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE (An ISO : 9001 - 2015 Certified Institute)

Tractor Nagar, Budni (M.P.) 466 445 mp@nic.in Website : http://www.fmttibudni.gov.in

E-mail fmti-mp@nic.in Telephone : 07564 - 234729, 234743

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evaluative requirement as per IS: 12207-2014.

Now, the applicant had re-submitted an application vide letter No. Batch/Agrolux 70E/193, dated 28.08.2019 and offered second sample for 1st Batch Testing of **"Deutz – Fahr, Agrolux 70 E"** Tractor and tractor was subjected to different tests as per clause 6.0 table-1 of IS: 5994 – 1998.

	Manufacturer	:	M/s. SAME DEUTZ-FAHR INDIA (P) LTD 72/72M, SIPCOT, Industrial Complex, Ranipet – 632 403 , Tamil Nadu, India
	Location of manufacturing plan	nt :	M/s. SAME DEUTZ-FAHR INDIA (P) LTD 72/72M, SIPCOT, Industrial Complex, Ranipet – 632 403 , Tamil Nadu, India
	Test requested by	:	The manufacturer
	Selected for test by	:	The manufacturer
	Place of running-in	:	At manufacturer's works
	Duration of said running-in. (h):		
	- Engine	:	Nil
	- Transmission	:	25
	Method of Selection	:	The test sample was directly submitted by applicant for test as the Ministry has exempted the random selection of tractors upto 31.12.2020.
	1.	SPECIFIC	ATIONS
1.1	Tractor:		
	Make	:	Deutz-Fahr

	Madal	
	Model	Agrolux 70 E
	Variants, if any	: Yes
Sr. No.	Variant model*	Variant features
i)	AGROLUX 70 E 2WD	Constant mesh gearbox with 8+2 travel speeds
Remark	(*): The variant model has not be	en submitted for batch testing at this institute.
	Type Month & Year of manufacture Chassis number Country of origin	 Four wheeled, four wheel driven (4WD), unit construction, standard agricultural tractor 12 19 M1TAF72RDME000151 India
1.2	Engine: Make Model Type Serial number Year of manufacture Country of origin	 Same Deutz-Fahr India (P) Ltd 1000.3WT-65CV (apa) Four stroke, liquid cooled, turbo charged, direct injection, diesel engine. 3F53055M19 2019 India

	DEUTZ-FAHR, AGROLUX 70 E TRACTOR –
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14. SUMMARY OF OBSERVATIONS, COMMENTS & RECOMMENDATIONS

14.1 On the basis of tests conducted the performance results have been summarized as evaluative (mandatory) and non-evaluation (not-mandatory) parameter 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:-

S. No.	Characteristic		. Characteristic Category Requirements 5. / Non Evaluative 2019		Values declared by the applicant (D) / Requirement (R)	As obser- ved	Whether meets the require- ments (Yes/No)
1	2 DTO Derfermence i		3	4	5	6	7
14.1.1	PTO	Performance :					
a)	Max. 2 h to (Natu cond	. power under est, (kW) ural ambient lition)	Evaluative	Declared value to be achieved with a tolerance of: \pm 5% for PTO power or engine power >26 kW, \pm 10% for PTO power or Engine power \leq 26 kW.	42.66 (D)	43.1	Yes
b)	Powe engii	er at rated ne speed, (kW)	Non Evaluative	-do-	42.66 (D)	42.8	Yes
c)	Specific fuel consumption corresponding to maximum power, (g/kWh) Maximum equivalent		Evaluative	+ 10% Max.	272 D)	262	Yes
d)	Maximum equivalent crankshaft torque, (Nm)		Non Evaluative	± 8%	225 (D)	258.8	Νο
e)	Back-up torque, percent		Evaluative	12 percent, min.	12 (D)	39.1	Yes
f)	Back-up torque, percent Maximum operating to 1) Engine oil		mperature(^o C)	12 (13)		
.,	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.	150 (D)	117	Yes
	2)	Coolant (liquid)	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)	106	Yes
g)	Engii cons	ne oil umption,(g/kWh)	Evaluative	Not exceeding 1% of SFC at max. power under High ambient conditions	2.66 (R)	0.29	Yes
h)	Smol	ke level, (m ⁻¹)	Evaluative	Maximum light absorption coefficient of 3.25 per metre or equivalent BOSCH No. 5.2 or 75 Hatridge value (As per CMVR)	3.25 (R)	0.46	Yes

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1		2	3	4	5	6	7
14.1.2	Dra	wbar performan	ce:	·	•	•	•
a)	Max pull corr perc (kN)	timum drawbar with ballast esponding to 15 cent wheel slip,)	Non Evaluative	Minimum 70% of static mass with ballast	26.6 (D) 25.72 Minimum (R)	36.45	Yes
b)	Max pull corr perc (kN)	kimum drawbar with unballast esponding to 15 cent wheel slip,	Evaluative	Minimum 70% of static mass of tractor without / standard ballast	17.02(D) 17.17 Minimum (R)	24.17	Yes
c)	Max pow balli star the kW	kimum drawbar rer without ast, or with idard ballast as case may be,	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.	34.1 (D) 34.5 Minimum (R)	36.9	Yes
d)	Maximum transmission oil temperature (°C)		Evaluative	The declared value should not exceed the maximum value specified by oil company	120 (D)	109	Yes
14.1.3	Pov	ver lift and hydra	ulic pump pe	erformance :			
a)	Max	timum lifting capa	city throughou	it the range of lift, (kN):		40.00	
	1) 2)	At hitch points With the standard frame	Evaluative	±10 percent 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	17.0 (D) 10.15 (D) 10.15 Minimum (R)	18.02	Yes Yes
b)	Max heig appl force minu total minu	imum drop in the ht of the point of lication of the e after each 5 utes interval for a duration of 30 ute, (mm)	Non Evaluative	The observed value should not exceed 50 mm	50 (D) 50 (R) Maximum	00	Yes
14.1.4	Bra	ke performance	at 25 kmph:				
a)	Max with	kimum stopping unballast, (m):	distance at a	force, equal to or less t	han 600 N o	on brake	e pedal
	1)	Cold brake	Evaluative	10	10 (R)	8.46	Yes
	2)	Hot brake	Evaluative	10	10 (R)	8.54	Yes
(0)	brak achi dec m/s	timum force rted on the ke pedal to ieve a eleration of 2.5 2 (N)	Evaluative	600	600 (K)	394 to 425	Yes

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1		2	3	4	5	6	7
C)	Whe	ther parking	Evaluative	Yes / No	Yes (R)	240	Yes
	brake	e is effective at					
	a force of 600 N at foot pedal(s) or 400 N at hand lever, N						
	N at hand lever, N						
14.1.5	Nois	e measuremen	it:				
a)	Maximum ambient noise emitted by the		Evaluative	As per CMVR	88 (R)	81	Yes
	noise emitted by the tractor dB(A) Maximum noise at operator's ear level						
b)	Maximum noise at operator's ear level dB(A) Amplitude of mecl		Evaluative	As per CMVR	96 (R)	94	Yes
14.1.6	Amp	litude of mech	anical vibrat	ions at :			
	1)	Left foot rest	Non	100 microns		121	No
			Evaluative	(max)			
	2)	Right foot rest	-	-do-	100(R)	149	No
	3)	Seat (with		-do-		95	Yes
	4)	driver seated)	-	da		100	No
	4)	wheel		d0-		129	NO
14.1.7	Air	cleaner oil	Evaluative	0.25 % (max.)	Dry type air	Not	Not
	pull	Ill over:			cleaner is	applicable	appli-
1110	Цан	laga raguirama	nto		fitted		cable
14.1.0	пац	lage requireme	nis:				
a)	1)	Two wheel	Non		55(D)	55	Yes
	2)	Four wheel	Evaluative		7 0(D)	7.0	Yes
b)	/ Dista	ance travelled / I	itre of fuel co	nsumption. (km/l):	1.0(D)	1.0	100
	1)	Two wheel			4.35 (D)	4.26 to	No
			Non		4.35 (D) 4.26 4.33		
	2)	Four wheel	Evaluative		4.19 to	4.05 to	No
0)	F uel				4.27 (D)	4.10	
6)	Fuel		11/km/tonne):		44.0 (D)	40.0.1	N.
	1)	I wo wheel	Evaluative		41.8 (D)	42.0 to 42.6	NO
	2)	Four wheel	1		33.5 to	34.9 to	No
					34.1 (D)	35.2	
14.1.9	Wet	land cultivation	1:				
	Seal	ing for the	Evaluative	The identified	The		
	follo	wing		essentially meet the	manufact-		
	asse	emblies:		requirement of IS:	urer has	z	
	1)	Clutch	-do-	11082. No water	recomme-	ot	Z
		assembly		identified assembly	the tractor	Re	ot /
	2)	Brake	-do-	given in column-2.	is not	CO	Apl
		nousings		meet the	suitable	mn	plic
	3)	Front axle	-do-	requirements of	for wet	ner	Sab
		hubs	-	wetland cultivation, it	land	۱de	le
	4)	Engine Oil	-do-	recommended for dry	cultivation	ă	
	5)	Transmission Oil	-do-	and operation only.			

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1		2	3	4	5	6	7
14.1.10	Sat	fety features :				•	
a)	Gu mo par	ards against ving and hot ts	Evaluative	Belt drives, pullies, silencer, hydraulics pipes(as per IS-12239 Part 2)	Me requ	eet the irements	Yes
b)	Lig arra	hting angement	Evaluative	As per CMVR	Me requ	eet the irements	Yes
c)	Sea req (Tra moi rea	ating uirements actors having re than 1150 mm r track width)	Non Evaluative	Should meet the requirements of IS: 12343 (As amended from time to time)	Does n requ	ot meet the lirement	No
d)	Teo req for	chnical uirements PTO shaft	Evaluative	Should meet the requirements of IS: 4931 (As amended from time to time)	Me requ	eet the irements	Yes
e)	Din thre link	nensions of ee point age	Non Evaluative	Should meet the requirements of IS: 4468 (Part-I) (As amended from time to time)	Does ne requ	ot meet the lirement	No
f)	Spe link	ecifications of age drawbar	Evaluative	Should meet the requirements of IS 12953 (As amended from time to time)	Me requ	eet the irements	Yes
g)	Spe Sw (wh	ecifications of inging drawbar nerever fitted)	Evaluative	Should meet the requirements of IS 12362 (Part 3) (As amended from time to time)	Not p	provided	Not appli- cable
h)	1)	Maximum travelling speed at rated engine speed in reverse gears, kmph	Evaluative	Should not exceed 20 kmph	15.((M requi)9 kmph eet the rements)	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.	Nc	ot fitted	Not appli- cable
14.1.11	Lal	pelling of tracto	rs (Provisio	n of labelling plate):			
	1)	Make	Evaluative	Should conform to the requirements of CMVR	DEUTZ	-FAHR	Yes
	2)	Model	Evaluative	along with maximum	AGROL	UX 70 E	Yes
	3)	Month & Year of manufacture	Evaluative	declared value of PTO power in kW and for month	12/19	<u></u>	Yes
	4)	Engine number	Evaluative	& year of manufacture in numerical	3+5305	5M19	Yes
	5)	Chassis number	Evaluative	MM YY Digit 01-12 in box No.1 for MM will represent the month	M1TAF 0151	72RDME00	Yes
	6)	Declaration of PTO power, kW	Evaluative	and next two digit in the box No.2 for YY will represent the year of manufacturing	42.66		Yes

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1		2	3	4			5	6	7
14.1.12	Dis	card limit for:							
(a)	Cyl dia	inder bore meter, (mm)	Evaluative	To be specified by	105 (I	5.10 D)	104 10	4.999 to 05.013	Yes
(b)	Cle	arance	Non	Manufacturer	0.	42	0.11	6 to 0.122	Yes
	bet	ween piston &	Evaluative		([D)			
	cyli	nder liner at							
	skir	rt, (mm)							
(c)	Pis	ton diameter at	Non		104	1.68	104	4.886 to	104.89
	skir	rt, mm	Evaluative				10	04.897	7
(d)	Rin	ig end gap (mm)				(-)			
	-	l op comp.		-do-	1.5	(D)	0.4	5 to 0.50	Yes
		ring.	Evelvetive		4 5	(D)	0.0	E to 0.40	Vaa
	-	2 comp.	Evaluative	-00-	1.5	(D)	0.3	5 10 0.40	res
	_	Oil ring		-do-	15	(D)		0.35	Ves
(0)	- Rin	a aroove cleara	nce (mm):	-40-	1.5	(D)		0.35	165
(0)	-	Top comp		-do-			Tapere	ed	Not
		ring.		uo			aport		appli-
									cable
	-	2 nd comp.	Evaluative	-do-	0.	25	0.04	7 to 0.056	Yes
		ring.			([D)			
	-	Oil ring.		-do-	0.	15	0.034	4 to 0.049	Yes
					([D)			
(f)	Dia	metrical		-do-	0.	40	0.07	5 to 0.099	Yes
	clea	arance of main	Evaluative		(1	(כ			
(a)	Dea	arings (mm):	d boarings ([];					
(9)		Diametrical	Evaluative	-do-	0	40	0.05	5 to 0 077	Ves
		Diametrical	LValuative	-00-	(1	-0 -)	0.00	0 10 0.077	103
	-	Axial	Evaluative	-do-	0.	50		0.15	Yes
					([D)			
(h)	Cra	ankshaft end	Evaluative	-do-	0.	50		0.16	Yes
()	floa	at, mm			(D)			
(j)	Clea	arance between	Non		0.	85	0.02	0 to 0.028	Yes
	king) pin and	INON Evaluativa	-do-	(D)			
	bus	h,(mm)							
(k)	Clea	arance	Non		0.	85	0.10	0 to 0.28	Yes
	bety	ween center pin	Evaluative	-do-	(1	(כ			
11112		bush,(mm)	nion to toot o						
(2)		erator manual	Evaluative	Provided /		Prov	habiy	Provided	Ves
(4)	Op		Lvaldative	Not Provided		110	viaca	TTOVIACU	103
(b)	Par	rts Catalogue	Evaluative	Provided /		Prov	vided	Provided	Yes
		······································		Not Provided					
(c)	Wo	orkshop/	Evaluative	Provided /		Prov	vided	Provided	Yes
	Ser	vice manual		Not Provided					
14.1.14	Fit	ment of Roll	Evaluative	ROPS should m	neet	Prov	ided	Not	Not
	Ov	er Protective	•	the requirement	t of			Fitted	appli-
	Str	ucture (ROPS):		code or equiva	lent				cable
	for	tractors having		International	iont				
	mo	re than 1150 mm		Standard					
1	l ieg		1						1

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14.1.15	Standard accessories		Evaluative	Trailer hitch, front tow hook, linkage drawbar should be provided with tractor	Provided	Provided	Yes
14.1.16	Accessories		Non	Ballast weights if	Provided	Provided	Yes

CMVR.

Evaluative

fitted should meet

the requirement of

14.2	CATEGORY OF BREAKDOWNS / DEFECTS (As per clause 5.0 of IS:12207-2019):				
S. No.	Category of Breakdown	Category (Evaluative / Non Evaluative)	Requirements as per IS: 12207-2019	As observed	Whether meets the requirement (Yes/No.)
1.	Critical breakdown	Evaluative	There is no 'critical breakdown' during the course of testing	None	Yes
2.	Major breakdowns	Evaluative	There are not more than 1 major breakdowns and neither of them is of repetitive nature	None	Yes
3.	Minor breakdowns	Evaluative	There are not more than 3 minor defects during the test and the frequency of each is not be more than two	None	Yes
4.	Total breakdowns	Evaluative	In no case, the total number of breakdowns should exceed four that is, (1 major + 3 minor) or 4 minor breakdowns	None	Yes

14.3 Salient Observations:

14.3.1 Laboratory tests:

(Optional)

14.3.1.1 PTO Performance Test:

- i) The maximum PTO power was recorded as 43.1 kW against the declaration of 42.66 kW, which meets the requirement of IS: 12207-2019 with regard to tolerance limit.
- ii) The maximum PTO power at rated engine speed was recorded as 42.8 kW against the declaration of 42.66 kW, which meets the requirement of IS: 12207-2019 with regard to tolerance limit.
- iii) The specific fuel consumption corresponding to maximum power was recorded as **262** g/kWh against the declaration of **272** g/kWh & which meet the requirement of IS: 12207-2019 with regard to tolerance limit.
- iv) The maximum equivalent crankshaft torque was recorded as 258.8 N-m against the declaration of 225.0 N-m & which does not meet the requirement of IS: 12207-2019 with regard to tolerance limit. This should be looked into for necessary corrective action.
- v) The backup torque is **39.1** %.
- vi) The drop in maximum PTO power was observed as **5.1** % between natural and high ambient condition, which is considered on higher side. This should be looked into for necessary corrective action

14.3.1.2 Hydraulic performance test:

The maximum lifting capacity on standard frame throughout the range of lift was recorded as **16.72 kN**. Whereas moment of inertia with standard frame and front axle w.r.t. rear axle was computed as **25.00 kN-m** and **21.11 kN-m**. The moment of inertia of standard frame compared with front axle is considered on higher side. Therefore, lifting capacity of the hydraulic system may be reviewed to avoid front lifting of the tractor.

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14.3.1.3 Mechanical Vibration:

The amplitude of mechanical vibration on various assemblies / components marked as (*) in Chapter – 8 of this test report is on higher side. This calls for dampening down of vibrations especially on LHS & RHS foot rest & steering control wheel to improve the operational comfort and service life of components.

14.3.1.4 Three point linkage

- i) Dimension of width of ball of lower pin hole
- ii) Lateral distance from lower hitch point to centre line of tractor
- iii) Lateral movement of lower hitch points from centre line of tractor.
- iv) Distance from end of PTO shaft to centre of lower hitch point

Above said parameters does not meet the requirement of IS: 4468 (Part-1)-1997(Reaffirmed in October 2017). This should be looked into for necessary corrective action.

14.3.1.5 Field performance:

14.3.1.5.1 Dryland Operation

The average area covered in rotavation operation with recommended size of implement was recorded as **0.368 to 0.396 ha/h**, which is too less. It is therefore recommended that size of rotavator should be reviewed and it should match with tractor PTO power.

14.3.1.5.2 Wetland cultivation (Puddling Operation)

The manufacturer has recommended that the tractor is not suitable for wet land cultivation (puddling). Therefore, the fact that the tractor is not suitable for wet land cultivation (puddling) should be mentioned clearly and boldly in all the marketing literature relevant to the product.

14.3.1.6 Haulage test:

14.5

- i) Distance travelled per litre of fuel consumption with two wheel and four wheel was recorded 4.26 to 4.33 km/l and 4.05 to 4.10 km/l against the declaration of 4.35 km/l and 4.19 to 4.27 km/l respectively. This should be looked into for necessary corrective action.
- ii) Specific fuel consumption (mm/km/tonne) with two wheel and four wheel was recorded as 42.0 to 42.6 mm/km/tonne and 34.9 to 35.2 mm/km/tonne against the declaration of 41.8 mm/km/tonne and 33.5 to 34.1 mm/km/tonne respectively. This should be looked into for necessary corrective action.

14.3.1.7 Identification engine model

The engine model is not embossed or punched or etched on engine body and thus, engine model is not identifiable. Therefore, this should be looked into for necessary corrective action for distinct identification of engine model.

14.4 Maintenance / Service Problems:

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

Recommendation with regard to safety on tractor:

The following requirements, inter alia, may be considered for incorporation on the tractor:

- i) Longitudinal distance from seat index point to the centre of differential lock pedal and steering control wheel should be as per IS: 12343-1998 (Reaffirmed in 2014).
- ii) Inclination of backrest was recorded as 19°. It should be within "5° to 15°" as per IS: 12343-1998 (Reaffirmed in 2014).
- iii) Width of foot step was recorded as 140 mm. It should be 200 mm (min) as per IS: 12239 (Part-1)-1996 (Reaffirmed in October, 2017).

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iv) v) vi) vii)	Spark arrester should be provided in the exhaust system as per IS: 12239 (Part-2) – 1999 (Reaffirmed in 2014). Fuel shut-off knob should be remained in stop position as per IS: 8133 -1983 (Reaffirmed in 2014). The working clearance between the position control, range selector lever & PTO clutch lever and mudguard are less than the requirement as per IS: 12239 (Part-2) – 1999 (Reaffirmed in 2014). Dil lubricant type and frequency chart should be provided on the tractor as per IS: 6283 (Part-1 & 2) – 1998 (Reaffirmed in 2014).
14.6 Adeq 14.6.1 Follo a) (b) 5 c) \	uacy of Literature supplied with machine: wing literature was supplied with the tractor for reference during the test. Decrator's manual of Agrolux 45e, Agrolux 50e, Agrolux 55e, Agrolux 60e, Agrolux 70e tractor models Spare Parts catalogue of Agrolux & Agromaxx series tractor models. Workshop Service Manual of Agrolux 40e, Agrolux 50e, Agrolux 60e & Agrolux 70e.
14.6.2 The li langu	teratures should also be brought out in national as well as other regional ages for the guidance of users and service personnel.

Time frame for testing & evaluation as per citizen charter	Duration of Test	Whether the report released within time frame given in the citizen charter	Remark
10 Months	06 Months (June, 2020 to November, 2020)	Yes	

15. Citizen charter

TESTING AUTHORITY:

RAJNEESH PATEL AGRICULTURAL ENGINEER

Mummuna

C.V. CHIMOTE TEST ENGINEER

J.J.R. NARWARE DIRECTOR

Test report compiled by Smt. Poonam Khurasia, Senior Technical Assistant.

16.	APPL	ICANT	CON	MEN	T'S
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Para No.	Our Reference	Applicant's comments		
16.1	14.3 &14.5	Recommendations would be reviewed		
16.2	14.6.2	Literatures are already printed in all regional language for end user.		

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DEUTZ-FAHR, AGROLUX 70 E TRACTOR – Commercial (1st Batch, Second Sample) THIS TEST REPORT IS VALID UPTO: 31/12/2025

ANNEXURE-I

	BRIEF SPECIFICATION OF IMPLEMENTS USED DURING FIELD TEST			
S. No.	Parameters	Disc Plough	Rotavator	
1	Make	Field king	Sonalika	
2	Туре	Mounted	Mounted	
3	No. of Discs / Blades	Three	36 blade on 6 flange	
4	Type of Discs / Blades	General	Hatchet	
		Purpose		
5	Size of Discs / Blades (mm)	385	245 x 50 x 4	
6	Spacing of Discs /Flanges, (mm)	280	255	
7	Lower hitch point span, (mm)	785	720	
8	Mast height, (mm)	510	500	
9	Overall Dimensions (mm):			
	Length	1920	1770	
	Width	1040	930	
	Height	1180	1020	
10	Gross Mass, (Kg)	345	380	

BRIEF SPECIFICATION OF IMPLEMENTS USED DURING FIELD TEST

ANNEXURE - II

TRACTOR RUN HOURS DURING TEST

Α.	LABORATORY AND TRACK TESTS	HOURS
1.	Running-in	25.00
2.	PTO Performance test	12.02
3.	Power lift and hydraulic pump performance test	1.50
4.	Drawbar performance test	20.47
5.	Brake test	1.75
6.	Noise measurement	1.50
7.	Mechanical vibration test	0.83
8.	Nominal speed test	3.68
В.	FIELD TEST	
1	Disc ploughing	15.24
2	Rotavation	22.44
C.	HAULAGE TEST	4.97
D.	Miscellaneous test and other run hours including idle	13.61
	run, transportation, trials and preparation for test	
	TOTAL:	123.01

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