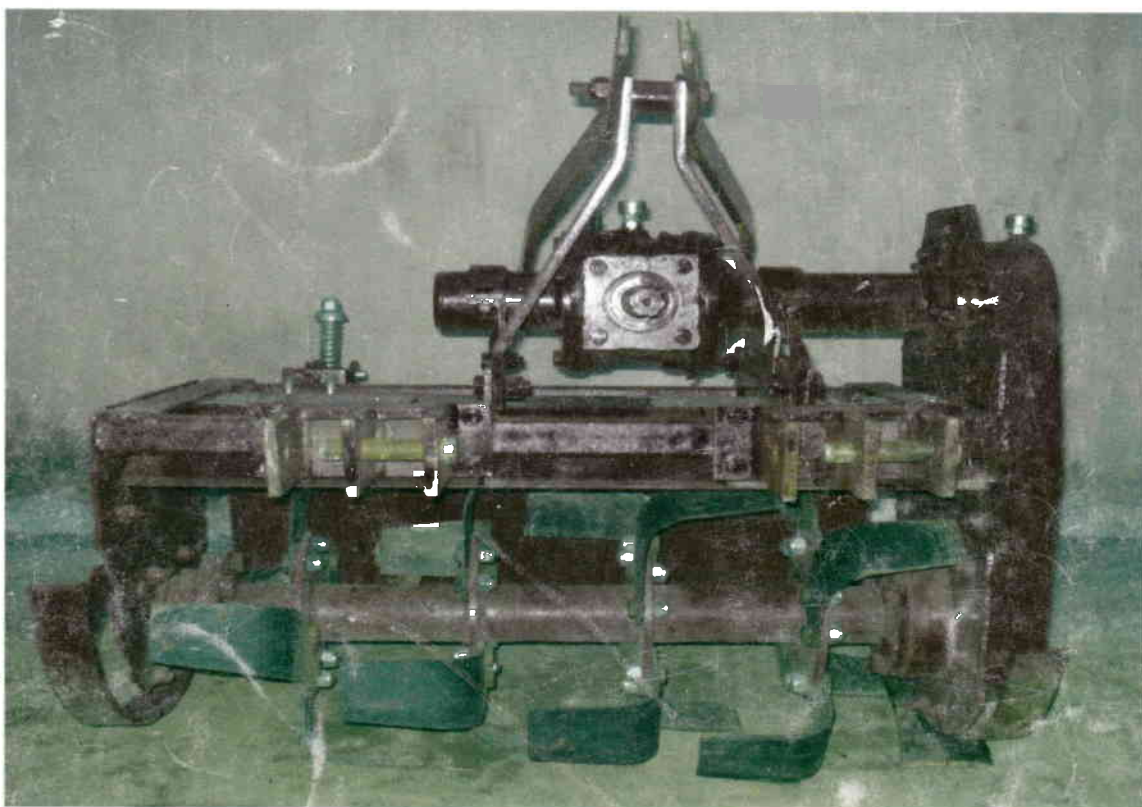


व्यावसायिक परीक्षण रिपोर्ट
COMMERCIAL TEST REPORT

संख्या / No. : Imp. 112/159
माह / Month : August, 2012



BABA BRTC - 800 ROTAVATOR



सत्यमेव जयते

भारत सरकार
GOVT OF INDIA

कृषि मन्त्रालय

MINISTRY OF AGRICULTURE

कृषि एवं सहकारिता विभाग

DEPARTMENT OF AGRICULTURE AND COOPERATION

उत्तर पूर्वी क्षेत्र कृषि यंत्र प्रशिक्षण एवं परीक्षण संस्थान

NORTH EASTERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE

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4. SPECIFICATIONS

4.1 **General:**

Manufacturer : M/s BABA FARM EQUIPMENTS
 K - 9, Industrial Area,
 Begrajpur, Muzaffarnagar (U.P.) - 251 203

Name of machine : Rotavator

Type : Tractor-Mounted (Chain-drive)

Make : BABA

Model : BRTC - 800

Serial number : 1236

Year of manufacture : 2011

Type of blade : Hatchet (L-Shaped)

Working width of
 implement (mm) : 790

Recommended power : Not recommended
 source

Prime Mover Used during : Massey Ferguson 1035 DI
 test

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9. EASE OF OPERATION & ADJUSTMENTS

No noticeable difficulty was observed during the operation and adjustment of rotavator.

10. DEFECTS, BREAKDOWNS AND REPAIRS

- 10.1 Oil leakage was observed from the oil filling caps of both primary and secondary reduction gearboxes.

11. COMMENTS AND RECOMMENDATIONS

- 11.1 **The specifications of implement hitch, in full, do not conform to the IS: 4468 (Part-1)-1997. Hence, it is recommended that implement should be provided with the hitch conforming to relevant Indian standards.**
- 11.2 **Dimensions of PIC of implement, in full, do not conform to IS: 4931-1995 and therefore, it should be looked into for corrective action.**
- 11.3 **Dimensions of PIC Yoke bore of PTO drive shaft, in full, do not conform to the requirements of IS: 4931-1995. It should be looked into for corrective action.**
- 11.4 **Hardness of rotor blades does not conform to relevant Indian Standards. This needs to be looked into for corrective action.**
- 11.5 Suitable stickers indicating the grade & change period of oil used in gear boxes should be pasted on Rotavator.
- 11.6 Oil leakage was observed from the oil filling caps of both primary and secondary reduction gearboxes. Corrective measures should be taken.

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11.7 Make and size of implement and power requirement should also indicated on the labeling plate.

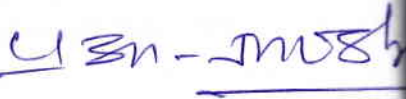

11.8 It is recommended that arrangement for changing the rotor speed to various soils and moisture condition should be provided.

11.9 **Technical literature**

A booklet, named Instructional manual and Parts list was provided in reference during testing.

The tractor(s), with which machine is considered suitable for operating in the field, should be prominently mentioned in the technical literature.

TESTING AUTHORITY

<p>P. K. PANDEY SENIOR AGRICULTURAL ENGINEER</p>	
<p>M.K. VISHWAKARMA DIRECTOR</p>	

Tests conducted / Report compiled by:
Anshul Pandey, S.T.A (Instrumentation)

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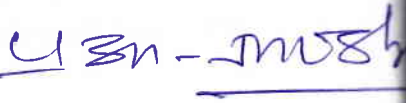

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12. APPLICANT'S COMMENTS

Para No.	Our Reference	Applicant's comments
12.1	11.1	The Specifications are being re-checked and will be implemented with immediate effect.
12.2	11.2	As suggested, PIC dimension are being brought in line with IS 4931 – 1995.
12.3	11.3	Corrective action taken and “Master Mandrill” made to check Dimensions of the yoke Bore & Spines profile.
12.4	11.4	The matter is being taken up with the supplier of blades for corrective action.
12.5	11.5	Relevant stickers will be developed and implemented soonest possible.
12.6	11.6	The sealing washer of the filler plug is being changed from aluminum to fiver for effective sealing. Also the mouth of filler plug on the cover will be ground finished to take care of surface Dents and burrs.
12.7	11.7	Your recommendations will be implemented along with correction of the name on the Name plate.
12.8	11.8	We have already developed the suggested gear box which is undergoing our own trails.