

# **SUCCESS STORIES**

## **Impact of Frontline Demonstrations On Farm Mechanization in Haryana**

Impact of custom hiring of improved implements on  
farm mechanization in Haryana



All India Coordinated Research Project on  
**FARM IMPLEMENTS AND MACHINERY**  
**Central Institute of Agricultural Engineering**  
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## 11. Impact of custom hiring of improved implements

### On farm mechanization in Haryana

The dissemination of improved technology in Haryana through custom hiring was started in the year 2002-03. The target area given and achieved under different improved implements have been given in Table 11.1. Results revealed that there was encouraging adoption of improved machinery which resulted in timely operation, increase in production and additional source of income generated. This ultimately benefited the farmers of Haryana State. The status, adoption, economics and benefits of farmers of Haryana state with the use of improved machinery on custom hiring as on 31.03.2010 is given in Table 11.2. The state of Haryana has benefited to the tune of ₹ 643 crores by adopting improved farm implements.

Table 11.1: Area covered/entrepreneurs developed by disseminating technology through Front line demonstrations and entrepreneurship Under AICRP on Farm Implements and Machinery at CCS HAU, Hisar.

Name of implement	2002-04		2004-06		2006-08		2008-10	
	Target	Achieved	Target	Achieved	Target	Achieved	Target	Achieved
Rotavator	10 ha	100 ha	100 e	1808 e	100 e	3226 e	100 e	5352 e
Laser leveller	---	---	---	---	---	---	100 e	500 e
Zero till seed drill	100 ha	230 ha	20 ha	190 ha	100 ha	100 ha	Not allotted	1,00,000ha
Bt. Cotton planter	---	---	20 ha	100 ha	100 ha	200 ha	100 ha	200 ha
Potato planter	10 ha	55 ha	20 ha	60 ha	20 ha	100 ha	25 e	200 e
Reaper binder	---	---	---	---	---	---	25 e	343 e
High capacity power thresher	100 hrs	500 hrs	100 hrs	500 hrs	100 hrs	500 hrs	Not allotted	500 e
Straw combine	25 ha	40 ha	25 ha	60 ha	20 ha	100 ha	25 e	2487 e
Potato digger	---	---	20 ha	58 ha	20 ha	50 ha	25 e	20 e
Post hole digger	1000 p	2800 p	10,000 p	12,550 p	10,000 p	19,055 p	5,000 p	16,000 p

e – No. of entrepreneur  
hrs- hours

ha – hectares  
p – pits

Table 11.2: Status, adoption, economics and benefit to farmers of Haryana state with the use of improved machinery on custom hiring (as on 31.03.2010).

Particulars	Name of implement					
	Rotavator*		Laser land leveller	Zero-till drill	Bt. Cotton Planter	Potato Planter
	Puddling	Dry				
<b>Performance</b>						
Field Capacity, ha/h	0.50	0.40	0.2 ( For 10 to 15 cm soil cut)	0.40	0.80	0.4
Increase in yield, q/ha	3.75	2.75	10% + 30% to 40% saving in water	---	---	10 to 15%
<b>Adoption level</b>						
Total population	10,570		600	13,594	7,750	830
Sale during 2009-10	2,824		400	1,416	2,200	100
<b>Cost economics</b>						
Cost of machine, ₹	80,000 to 90,000		3 to 3.5 lakh	32,000	30,000	30,000**
Cost of operation, ₹/ha	875	1,375	1,625	750	425	750
Custom hiring rate, ₹/ha	2,000	2,500	3,000	1,000	625	1,250
Benefit, ₹/ha	1,125	1,125	1,375	250	200	500
Command area of one machine, ha	50	50	80	50	50	20
Benefit over conventional system by one machine in one year, ₹/year	56,250	56,250	1,10,000	12,500	10,000	10,000
Total benefit in Haryana state, ₹ (Crore)/ year	118.91		6.60	17.00	7.75	0.83
Benefit Cost ratio	2.29	1.82	1.85	1.33 (hiring) 3.33 (own use)	1.47	1.67
Pay back period, years	One		Three	Three	Three	Three
Total No. of manufactures in Haryana	30		7	40	25	8

\* The width of rotavator is 2 m

\*\* Cost of semi-automatic potato planter is ₹ 30,000 and for automatic ₹ 45,000

Contd...

Particulars	Reaper binder	High capacity power thresher	Straw combine	Potato digger	Post hole digger
<b>Performance</b>					
Field Capacity, ha/h	0.4	0.40	0.4	0.20	0.20
Increase in yield, q/ha	---	---	0.80 (Grain recovery)	---	---
<b>Adoption level</b>					
Total population	645	31,500	10,731	223	500
Sale during 2009-10	02	3,000	1,477	---	---
<b>Cost economics</b>					
Cost of machine, ₹	3,00,000	1 to 3.25 lakh	1,70,000	25,000	60,000
Cost of operation, ₹/ha	1,250	875	800	750	1,250
Custom hiring rate, ₹/ha	2,500	1300 ± 200	1,500	1,500	3750 (₹ 15/pit)
Benefit, ₹/ha	1,250	425 ± 200	700	750	2,500
Command area of one machine, ha	40	300 ha	88	30	20 (250 pits/ha)
Benefit over conventional system by one machine in one year, ₹/year	50,000	1,33,500	61,600	22,500	50,000
Total benefit in Haryana state, ₹ (Crore)/ year	3.22	420.00	66.10	0.50	2.50
Benefit Cost ratio	2.0 (hiring)	1.50	1.88 (Hiring) 6.25 (Own use)	1.50	3
Payback period, years	Five	One to three	Three	One	1.2
Total No. of manufactures in Haryana	Nil	50	50	8	7

**Total benefit in Haryana state, ₹/year = 643 Crore**

## APPENDIX

### List of Farm Machinery Manufacturers in Haryana

S. No	Name of Manufacturer	Equipments / implements manufactured
1.	M/s. A J Precision & Automation Pvt. Ltd B-179, Phase II, Noida - 201304, Uttar Pradesh, India Phone : 91-120-4221130 Mobile : +919210900192 Fax : 91-120-4337971 Email: ajprecision@gmail.com www.ajprecisionautomation.com	Laser Leveller
2.	M/s. A S Laser Systems Pvt. Ltd. 204 - 205 Mayur Plaza V, Mayur Vihar Phase III, Kondli Gharoli, Delhi - 110096, India +919711841690	Laser Leveller
3.	M/s. Aggarwal Agriculture Works Jind Road, Assandh, Karnal Ph. 01749-278560,278726,M: 9896134487	Rotavator, Zero till seed drill, Power Thresher, Straw combine
4.	M/s. Amar Agro Industries 20-21, Auto Market Fatehabad-125050 (Haryana) Ph. 9416127042	Post hole digger
5.	M/s. Amar Agricultural Implements works, Amar Street, Janta nagar Gill Road, Ludhiana-141003 (Punjab)	Power thresher, Straw combine
6.	M/s. Ambika Engg. Works, Nh – No. 8, Navagam, Opp. Agro Petrol Pump Kamrej Char Rasta, Surat, Gujarat Phone: 0261- 2344720, 0261-253110 ambica_agromech@rediffmail.com	Rotavator
7.	M/s. Arjun Industries. Railway road, Thanesar Kurukshetra-136 118 (Haryana)	Zero till seed drill
8.	M/s. Ashoka Foundry and Engg. Works. G.T. Road, Shahbad Markanda, Kurukshetra -136 135 (Haryana)	Zero till seed drill
9.	M/s. Ashok Industry, Railway Road, Ambala City. Ph. 0171-2511799	Power thresher
10.	M/s. ASS foundry & Agril. Works, G.T.Road, Jandiala Guru, Amritsar-143115, Punjab	Power thresher, Straw combine
11.	M/s. Azad Engineering Works, Jhansa Road, Thanesar, ( Kurukshetra) Ph. 01744-235432, M: 94160-35432	Rotavator , Zero till seed drill

12.	M/s. Bankura Precision Agricultural Equipments Miranpur, Near Bus Stand On Meerut-Bijnore Highway, Muzaffarnagar - 251315, Uttar Pradesh, India Phone:91-1396-244147 Mobile:+919997766999	Laser Leveller
13.	M/s. BCS India Pvt. Ltd., Manngarh, Kohara- Road P.O. Kohara, Ludhiana – 141112 Phone: 0161-2848597 Mob: 98728-74743 to 745 Fax: 0161-2848598 Email: www.bcs-ferrari.in, bcs@bcs-ferrari.in	Reaper binder and forage harvester
14.	M/s. Beri Udyog P (Ltd.), 100-101/3, Hsidc, Karnal (Haryana) Phone: 0184-2221571-72, 73, 74, 2262659, 2270415 F AX: 0184-2221574 Email: beriudyog@hotmail.com	Rotavator, Laser Leveller, Zero till seed drill, Post hole digger
15.	M/s. Ashoka Foundry and Engg. Works. G.T. Road, Shahbad Markanda, Kurukshetra -136 135 (Haryana)	Straw combine
16.	M/s Bharat Agro Industries, Chandigarh Road, Tohana Fatehabad- 125120 (Haryana) Ph. 9315143151	Power thresher
17.	M/s. Bharat Industries, G.T. Road, Namestey Chowk, Karnal, Haryana Ph. 0184-254262, 256049, 261918	Zero till seed drill , Straw combine
18.	M/s. Bharat Industrial corporation, Akalsar Road, Faridkot, Moga-142001 (Punjab) Ph. 01636-222075, 224075 M.9814069075 www.bharatagril.com	Power Thresher, Straw combine
19.	M/s Bharat Steel Discs, Delhi Bye-pass, G.T Road, Karnal Ph. 2220262,2221555(O), 2200804, 2201918	Zero till seed drill, Potato planter, Power thresher, Straw combine
20.	M/s Boota Singh and Sons (J.M.H. Thresher), Begu Road, Sirsa. Ph: 245424	Straw combine
21.	M/s. Choyal Engg. Works Uklana Mandi, Hisar-125113 (Haryana) Ph. 9896861738	Bt. cotton planter
22.	M/s Darshan Singh & Sons. Sham Nagar, Namestey Chowk, Karnal-132001 (Haryana)	Zero till seed drill
23.	M/s. Dashmesh Agro Works Moonak	Rotavator

	Sangrur-148033 (Punjab)	
24.	M/s. Dashmesh Mechanical Works Main Road, AMARGARH, Sangrur – 148022 (Punjab) Phone:91-1675-284221 Fax:91-1675-285999 Mobile:+919815174313 info@dashmesh.net www.dashmesh.net	Rotavator, Laser Leveller
25.	M/s. Dayal Agro Engineering Works, Kaithal Road, Pehowa Kurukshetra-136128 (Haryana) Ph. 01741-230528	Straw combine
26.	M/s. Digital Industrial Products E - 62, Sector-9, Noida – 201301 (Uttar Pradesh) Phone : 91-120-2546306 Mobile : +919811466845 Fax : 91-120-2546306	Laser Leveller
27.	M/s. Drolli Industries (Regd.) Near Dhaliwal Hospital, Majestic Road, Moga Faridkot -142001 (Punjab) Phone: 01636-223557	Potato planter, Potato digger
28.	M/s. Elcome Technologies Pvt. Ltd. A – 06, Infocity, Sector -34 Gurgaon – 122002 (Haryana) Phone: 0124-4122222, FAX-0124-4122200 Email: <a href="mailto:agriculture@elcometech.com">agriculture@elcometech.com</a> Web. www.elcometech.com	Laser Leveller
29.	M/s. Engineering Sales Corporation, 55/3, HSIDC, Karnal-132001 (Haryana) Ph. 0184-2272922, 2221355,(O), 2387536	Straw combine
30.	M/s. ESCORTS LIMITED Agri Machinery Marketing Division, 18/4, Mathura Road, Faridabad - 121007 (Haryana) Phone : 91-129-2293105/3288, Fax : 91-129-2293257	Laser Leveller
31.	M/s. Guru Nanak Krishi Udyog Kaithal Road, Main Chowk, Pehowa. Kurukshetra-136128 (Haryana) Ph. 01741-220247, 220710	Rotavator, Zero till seed drill, Potato planter, Potato digger, Straw combine
32.	M/s. Hans Agro Industries, Salarpur Road Kurukshetra. ( Haryana). Ph. 01744-293200 M: 94662-18096, 94168-40499	Straw combine



33.	M/s Hanuman Krishi Udhog, Near Central Bank of India, Karnal road, Assandh Karnal-132039 (Haryana) Ph. 01749-278952 M: 9896178930	Zero till seed drill
34.	M/s. Haryana Krishi Udyog, Hansi Hisar- 125033 (Haryana) M: 9812005615	Zero till seed drill, Bt. cotton planter
35.	M/s Haryana Krishi Udyog, Patiala Road, Narwana Jind- 126116 (Haryana) Ph: 9416062799	Power thresher
36.	M/s Indian Hadamba Thresher, Barara Bye pass, Ambala City-133004 (Haryana)	Power thresher, Straw combine
37.	M/s. Jagdeep Engg. Works Dirba Mandi Sangrur-148035 (Punjab)	Rotavator
38.	M/s. Jai Shree Krishna steel industries. Kharaudi Road, Cheeka, Kaithal-136034 (Haryana) Ph. 01743-221544. Fax. 01743-221311. M: 94160-39544	Zero till seed drill
39.	M/s. Janata agricultural Implements. New Karnal Road, Near Govt. School. No. 4 Kaithal-136027 (Haryana) 01746-229541, M: 94162-92187	Zero till seed drill, Straw combine
40.	M/s. Jindal Engineering Works Amargarh gamri Kaithal-136027 ( Haryana) Ph. 01746-222431	Rotavator, Zero till seed drill, Straw combine
41.	M/s. Jitla Agro Industries, G.T Road, Mandi Dabwali, Sirsa-125104 (Haryana) Ph:01668-223240	Straw combine
42.	M/s Kalra Agro Industries, Hisar Road, Ambala City-133004 (Haryana) Ph. 0171-2530636	Power thresher
43.	M/s. Kalsi Agri. Industries G.T. Road, Mandi Dabwali Sirsa - 125104 (Haryana) Ph. 01668-226596 Mobile: 9814225052	Rotavator, Zero till seed drill, Post hole digger
44.	M/s. Kalsi Fabricators G.T. Road, Shahbad.	Potato planter, Potato digger

	Kurukshetra – 136135 (Haryana) Ph. 9896259290	
45.	M/s. Kalsi Mechanical Works, Majestic Road, Moga Faridkot- 142001 (Punjab)	Power thresher, Straw combine
46.	M/s. Kalsi Udyog, Shahbad Markanda. Kurukshetra -136135 (Haryana) Ph. 01744-240058, 240478. M: 98120-86955	Zero till seed drill, Power thresher
47.	M/s. Kamboj Krishi Udhyog, Kaithal Road, Pehowa Kurukshetra -136128 (Haryana)	Straw combine
48.	M/s. Kamla Engineering Works, Near PNB, Ismailabad Kurukshetra -136129 (Haryana) 01744-252104, 94160-39104 FAX: 01744-2221574	Rotavator, Laser Leveller, Zero till seed drill, Power thresher, Post hole digger
49.	M/s. Kattri Engg. Works Sunam Sangrur -148028 (Punjab)	Rotavator
50.	M/s. Khalsa Engg. Works, Tohana Fatehabad-125120 (Haryana) M: 94162-93019	Zero till seed drill, Bt. Cotton planter
51.	M/s. Kisan Agricultural Industry, Old Hansi Road, Jind- 126102 Ph: 01681-252184	Power thresher
52.	M/s. Krishi Kalyan Udyog, Delhi Bye-Pass, G.T Road, Karnal – 132 001 (Haryana) Ph. 0184-2270448 (O), 2265919	Power thresher
53.	M/s. K.U. Pumps and Implements. Kalsi complex. Shahbad Markanda. Kurukshetra -136135 (Haryana) Ph. 01744-240058, 240925,240378, M: 9896201458, 9416075658	Rotavator
54.	M/s. Laxmi Agricultural Implements, New Karnal Road, Kaithal – 136027 (Haryana) Ph. 01746-226791 M.9812033050	Straw combine
55.	M/s. Laxmi Straw Reaper, Begu Road, Sirsa – 125055 (Haryana)	Straw combine
56.	M/s. Malwa Agro Industries, Opp. BDO Office, Link Road,	Power thresher

	Mansa - 151505 (Punjab)	
57.	M/s. Madho Mechanical works, B-49, Focal point, G.T. Road, Moga Faridkot – 142001 (Punjab) Ph. 01636-220135, 227044, FAX. 227021 M.9872971247, 9876071244	Power thresher, Straw combine
58.	M/s. Modern Agro Engineering Works. Sham Nagar. G.T. Road Karnal- 132001 (Haryana) Ph. 0184-2271844 Fax. 0184-2274144	Zero till seed drill
59.	M/s. Nakoda Machine Tools Shop No.1, Dagdi Chawl, Tejpal Road, Near Railway Station, Vile Parle (East), Mumbai - 400057 (Maharashtra) Phone : 91-22-26181962 Mobile : +919869024249 Fax : 91-22-26121883	Laser Leveller
60.	M/s. NANAK GROUP 9, Ajit Nagar, Near Leela Bhawan, Patiala – 147001 (Punjab) Phone:91-175-2305552 Mobile:+919872710007	Laser Leveller
61.	M/s. National Agro Industries Link Road, Industrial Area-A, Opposite Transport Nagar Ludhiana-141 003 (Punjab) Ph: 0161-2222041, 5087853 FAX: 0161-2220299 www.nationalagroinds.com www.agriculturalimplements.com	Zero till seed drill, Power thresher, Straw combine
62.	M/s. Narendra & Mahendra Agril. Implements, Kaithal Road, Pehowa. Kurukshetra – 136 128 Ph. 01741-223227	Straw combine
63.	M/s. New Kalsi Agriculture Works G.T. Road Dabwali Sirsa -125104 (Haryana) Ph. 01668-227140, Mob. 09815596536	Rotavator, Zero till seed drill
64.	M/s. New Narwal Agro Implements. G.T. Road, Rama Market, Shahabad Kurukshetra -136135 (Haryana) M: 98965-52120	Zero till seed drill
65.	M/s. New Vishavkarma Agriculture Works. G.T. Road, Fatehabad - 125050 (Haryana) Ph. 01667-230066 M: 94161-06524	Zero till seed drill, Bt. Cotton planter

66.	M/s. Pal Agro Industries, Near Escort agencies. Chandigarh Road, Tohana Fatehabad - 125120 Ph. 01692-231651, 235473. M: 9416242391	Zero till seed drill, Straw combine
67.	M/s. Panishar Agricultural Works, Amargarh Sangrur – 148022 (Punjab)	Power thresher
68.	M/s. Partap Iron Works, Near Delhi bye pass, Namastey Chowk, G.T. Road Karnal- 132001 (Haryana) Ph. 0184-2252446, Fax. 0184-2262447	Rotavator, Zero till seed drill
69.	M/s. Piara Singh & Sons. Vijay Nagar, Near Namestey Chowk (Back side shiv petro pump), G.T. Road, Karnal- 132001 (Haryana) Ph. 0184-2258268 M: 94161-70011	Zero till seed drill
70.	M/s. Punjab Agro Industries. Near Namastey Chowk, Sham Nagar, G.T. Road, Karnal- 132001 (Haryana) Ph. 0184-2261055, 3100283	Rotavator, Zero till seed drill
71.	M/s. Punjab Agro Sales (India) Opposite New Grain Market, Delhi bye pass, G.T. Road Karnal- 132001 (Haryana) Ph. 0184-2220113, 22220114 M: 94160-75113, 94160-02113	Rotavator, Zero till seed drill, Power thresher, Straw combine
72.	M/s. Punjab Agricultural Works Near Bijli Ghar, Ding Road, Sirsa – 125055 (Haryana) Ph. 01666-273595 M.9416595695, 9896783595	Bt. Cotton planter
73.	M/s. Punjab Engineering Works. G.T. Road, Near Power House, Talwandi Bhai, Ferozpur – 142050 (Punjab) Ph. 01632-230130, 230530 M. 9417468328	Power thresher
74.	M/s Rajiv Farm Machinery, 158, Auto Market Hisar -125001 (Haryana) M. 9416136198	Zero till seed drill
75.	M/s. S.K.Industries. Simbalwala, Tohana, Fatheabad – 125120 (Haryana) M: 93666-60699, 60799, 60899	Zero till seed drill
76.	M/s. Sadhu Agro industries. G. T. Road,	Zero till seed drill, Bt. Cotton planter

	Fatehabad -125050 (Haryana) Ph. 01667-231002 M. 9896179002, 94161-06150, 94166-22749	
77.	M/s. Saini Agro Works, Ambala –Jagadhary Road, Ambala City – 133004 (Haryana) Ph. 0171-274184	Power thresher
78.	M/s. Saini Engg. Works, Old Hansi Road, Jind – 126102 (Haryana) Ph: 01681-255773	Power thresher
79.	Mr. Santosh Singh Raj Singh, Sirsa Road (Near bus stand), Rania Sirsa – 125076 (Haryana)	Straw combine
80.	M/s. Sarswati Krishi Udyog, Karnal Road, Assandh Karnal – 132039 (Haryana) Phone: 01749-278501 Mob: 98964-30511	Rotavator, Laser Leveller, Zero till seed drill, Straw combine
81.	M/s. Shiva Agro Agency Shop No. 35, 36, Nai Anaj Mandi, Garh Road, Hapur – 245101 (Uttar Pradesh) Phone : 91-122-2333833 Mobile : +919927039214	Laser Leveller
82.	M/s. Shiv Shakti Agriculture implements. New Karnal Road, Amargarh Gamdi, Kaithal - 136027 ( Haryana)	Zero till seed drill
83.	M/s. Shri Balaji Machine Tools Plot No. 4, Gali No. 43, 33 Feet Road, Sanjay Colony, Sector 23, Faridabad – 121004 (Haryana) Mobile : +919212128611	Laser Leveller
84.	M/s. Spectra Precision Lasers (P) Ltd., 77-80, Shiv Vihar (West) Vikas Nagar, New Delhi-110059 Phone: 011-25352643, 25352645 Fax: 011-25352549, 25420595 Email: <a href="mailto:info@spectraprecision.in">info@spectraprecision.in</a> <a href="http://www.spectraprecision.in">www.spectraprecision.in</a>	Laser Leveller
85.	M/s Super Agricultural Industries, Near Delhi Bye pass, Namestey Chowk G.T. Road Karnal- 132001 (Haryana) Ph. 0184-2271290, 2205882 M: 9813290004	Zero till seed drill

86.	M/s. Taj Engineering Works, Uklana Mandi, Hisar – 125113 (Haryana) M.9416280359	Bt. Cotton planter
87.	M/s. The Oriental Science Apparatus Workshops, (OSAW), Jawaharlal Nehru Marg, Opp. Civil Hospital Ambala Cantt.-133001 (Haryana) Phone 98960-23600, 93544-10061 Fax. 0171-2891609 Email:osawfarm@rediffmail.com <a href="http://www.osawfarmachines.com">www.osawfarmachines.com</a>	Rotavator, Zero till seed drill
88.	M/s. Theti Agriculture Implements Uklana Mandi, Hisar – 125113 (Haryana) M. 9416080094	Bt. cotton planter
89.	M/s. Tirth Agro Technology Pvt. Ltd., Near Hotel Krishna Park, Behind Hindustan Oil Mill Cake, Gondal Road, N.H.8-B, Vavadi, Rajkot-360004 (Gujarat) Tel. 0281-2386047,2380852,Fax: 0281-2380852 Mob: 98797-34437, 99090-21921 Email: <a href="mailto:info@shaktimanagro.com">info@shaktimanagro.com</a> <a href="http://www.shaktimanagro.com">www.shaktimanagro.com</a> Authorised distributor in Haryana: M/s. Haryana Agro Services, Safido Road, Near Engg. College. Jind – 126102 (Haryana)	Rotavator, Post hole digger
90.	M/s. Vishwakarma Agril. Works. (Haryana Agril. Works) G.T. Road, Daryiapur, Fatehabad – 125050 (Haryana) Ph. 01667-259201 M. 9416343403	Rotavator, Zero till seed drill, Bt. Cotton planter, Post hole digger
91.	M/s Vishvkarma Engineering Works. Govt. College Road, Tohana. Fatehabad – 125120 (Haryana) Ph. 01692-220767 M: 9354433600,9466655000 Fax. 01692-220113	Laser Leveller, Zero till seed drill, Power thresher, Straw combine
92.	M/s. Vishvkarma Agro Industries Kadiyal Road, Dirba Mandi Sangrur - 148035 (Punjab) Ph. 01676-242722, FAX.01676-243222 M.9814147522	Zero till seed drill, Straw combine
93.	M/s. Vishvkarma Engg. Works Uklana Mandi,	Bt. Cotton planter

	Hisar – 125113 (Haryana) M.9416271967	
94.	M/s. Vikas Industries, Old Hansi Road, Jind -126102 (Haryana) Ph. 01681-257123	Power thresher
95.	M/s Zandu Engineering Works Hisar Road, Ambala City – 133004 (Haryana) Ph. 0171-2530656	Power thresher, Straw combine
96.	M/s Zandu Steel Works Hisar Road , Manav Chowk Ambala City – 133004 (Haryana) Ph. 0171-2530143 M: 9416155843	Rotavator, Zero till seed drill