

USER MANUAL


AGRIMATE[®]
Maximum Power - Super Economy

AGRIMATE GASOLINE ENGINE AM-160PE-HC



INTRODUCTION

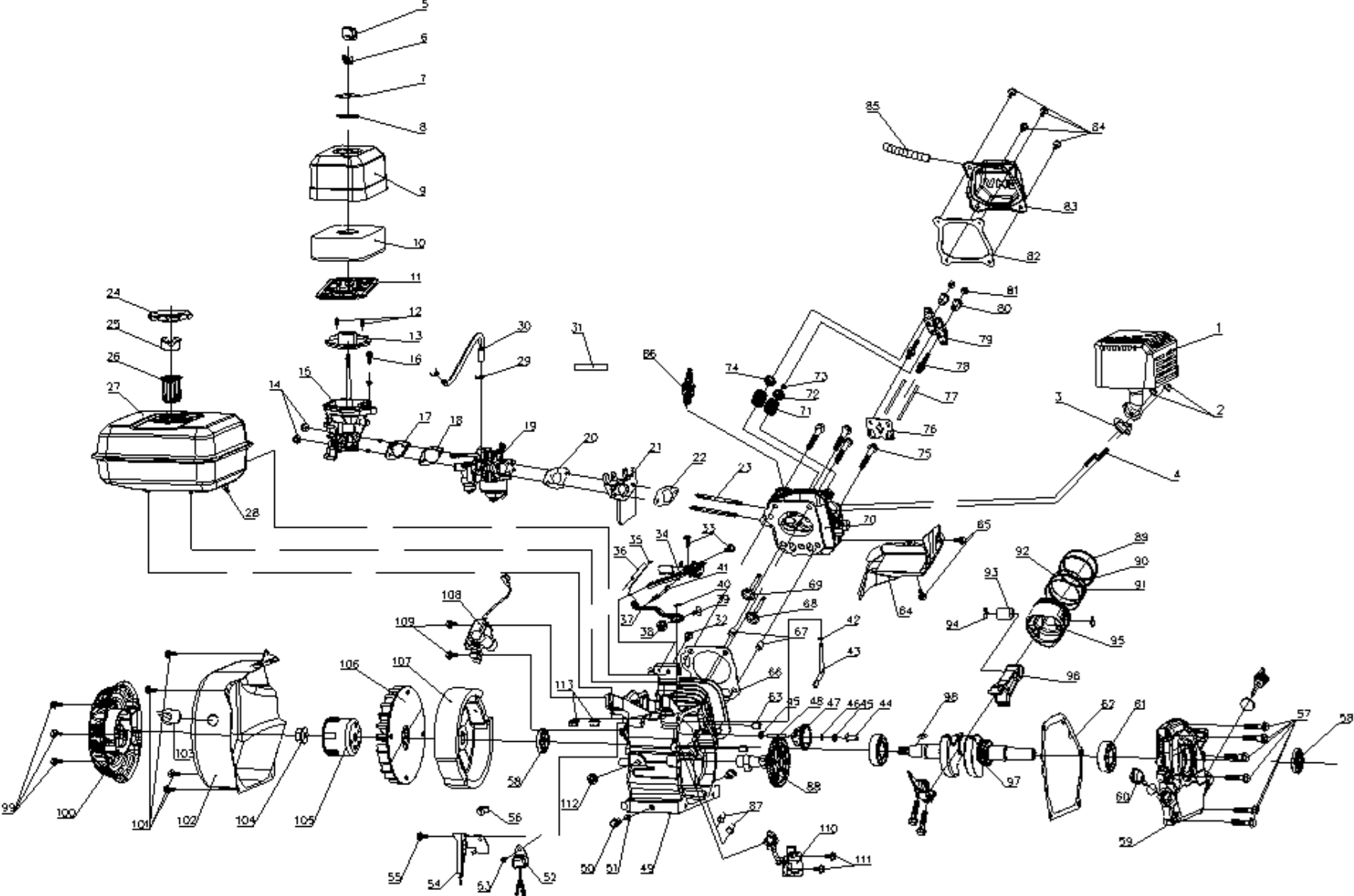
Dear Sir/ Madam,

Thank you for choosing Agrimate product. You are the proud owner of high technology & durable machine. Trust that our Franchisee/Dealer installed the product & installed the product and explained you about the usage & service instructions. Please visit our autorised dealer for your future requirement of our other equipments, genuine spares, accessories and services. Service coupons are attached with this manual and you can avail free service to keep your machine fit always to use on demand.

About Ratnagiri,

We import and market of high quality of agriculture wide range of equipments which we are selling through our authorised franchisee or dealer network. We are in this field from past years service the farmer. community. For further details, Please visit our website www.agrimart.in. & Give a missed call to 7393 938 938.

GASOILNE ENGINE DIAGRAM & PARTS LIST OF AM-160PE-HC



GASOILNE ENGINE DIAGRAM & PARTS LIST OF AM-160PE-HC

SL NO	PART NO	DESCRIPTION	SL NO	PART NO	DESCRIPTION
1	AM160HC-PE-01	Muffler	17	AM160HC-PE-17	Sealing pad
2	AM160HC-PE-02	flange nut	18	AM160HC-PE-18	Air filter pad
3	AM160HC-PE-03	Muffler gasket	19	AM160HC-PE-19	Carburetor
4	AM160HC-PE-04	Double head screw	20	AM160HC-PE-20	Carburetor gasket
5	AM160HC-PE-05	Butterfly cover	21	AM160HC-PE-21	Insulator
6	AM160HC-PE-06	Butterfly nut	22	AM160HC-PE-22	Air intake pad
7	AM160HC-PE-07	Top press	23	AM160HC-PE-23	Double head bolt
8	AM160HC-PE-08	Top press gasket	24	AM160HC-PE-24	Fuel tank cover assembly
9	AM160HC-PE-09	Air filter housing	25	AM160HC-PE-25	Filter sleeve
10	AM160HC-PE-10	Sponge	26	AM160HC-PE-26	Filter
11	AM160HC-PE-11	Air filter baffle	27	AM160HC-PE-27	Fuel tank
12	AM160HC-PE-12	Screw	28	AM160HC-PE-28	Nozzle
13	AM160HC-PE-13	Air filter cover	29	AM160HC-PE-29	Pipe clip
14	AM160HC-PE-14	Flange nut	30	AM160HC-PE-30	Carburetor fuel pipe
15	AM160HC-PE-15	Air filter seat	31	AM160HC-PE-31	Transparent tube
16	AM160HC-PE-16	Hexagonal flange bolts	32	AM160HC-PE-32	Hexagonal flange bolts

GASOILNE ENGINE DIAGRAM & PARTS LIST OF AM-160PE-HC

SL NO	PART NO	DESCRIPTION	SL NO	PART NO	DESCRIPTION
33	AM160HC-PE-33	Hexagonal flange bolts	49	AM160HC-PE-49	crank case
34	AM160HC-PE-34	Speed control seat	50	AM160HC-PE-50	Hexagonal flange bolts
35	AM160HC-PE-35	speed control lever	51	AM160HC-PE-51	Pad
36	AM160HC-PE-36	Fine-tuning small pull springs	52	AM160HC-PE-52	One-way channeler
37	AM160HC-PE-37	Governor arm	53	AM160HC-PE-53	Hexagonal flange bolt
38	AM160HC-PE-38	Flange nut	54	AM160HC-PE-54	Flywheel side cover
39	AM160HC-PE-39	T-bolt (T-screw)	55	AM160HC-PE-55	Hexagonal flange bolts
40	AM160HC-PE-40	Type B Jack	56	AM160HC-PE-56	Threading folder
41	AM160HC-PE-41	Reset spring	57	AM160HC-PE-57	Hexagonal flange bolts
42	AM160HC-PE-42	Pad	58	AM160HC-PE-58	Skeleton oil deal
43	AM160HC-PE-43	Speed swing rod	59	AM160HC-PE-59	Box side cover
44	AM160HC-PE-44	Speed cap(bushing)	60	AM160HC-PE-60	Oil gauge assembly
45	AM160HC-PE-45	Pad	61	AM160HC-PE-61	Deep groove ball bearing
46	AM160HC-PE-46	Wire coil(spring)	62	AM160HC-PE-62	Box side cover pad
47	AM160HC-PE-47	Speed gear	63	AM160HC-PE-63	Positioning sleeve
48	AM160HC-PE-48	Speed control shaft	64	AM160HC-PE-64	Guide hood

GASOILNE ENGINE DIAGRAM & PARTS LIST OF AM-160PE-HC






SL NO	PART NO	DESCRIPTION	SL NO	PART NO	DESCRIPTION
65	AM160HC-PE-65	Hexagonal flange bolts	81	AM160HC-PE-81	Hexagonal nut(black)
66	AM160HC-PE-66	Cylinder body pad	82	AM160HC-PE-82	Cylinder head gasket
67	AM160HC-PE-67	Positioning sleeve	83	AM160HC-PE-83	Cylinder head cover
68	AM160HC-PE-68	Exhaust valve	84	AM160HC-PE-84	Hexagonal flange bolts
69	AM160HC-PE-69	Intake valve	85	AM160HC-PE-85	Exhaust Pipe
70	AM160HC-PE-70	Cylinder	86	AM160HC-PE-86	Spark plug
71	AM160HC-PE-71	Valve seat	87	AM160HC-PE-87	Valve tappet
72	AM160HC-PE-72	Exhaust valve spring seat	88	AM160HC-PE-88	Camshaft assembly
73	AM160HC-PE-73	Top hat	89	AM160HC-PE-89	one ring of air
74	AM160HC-PE-74	Air intake valve spring seat	90	AM160HC-PE-90	two ring of air
75	AM160HC-PE-75	Hexagonal flange bolts	91	AM160HC-PE-91	Liner(steel sheet)
76	AM160HC-PE-76	Push-rod keep frame	92	AM160HC-PE-92	Oil ring
77	AM160HC-PE-77	Valve push-rod	93	AM160HC-PE-93	Piston pin
78	AM160HC-PE-78	Push rod bracket bolts	94	AM160HC-PE-94	Piston spring
79	AM160HC-PE-79	Shaker seat	95	AM160HC-PE-95	Piston
80	AM160HC-PE-80	Ball nut	96	AM160HC-PE-96	connecting rod

GASOILNE ENGINE DIAGRAM & PARTS LIST OF AM-160PE-HC

SL NO	PART NO	DESCRIPTION	SL NO	PART NO	DESCRIPTION
97	AM160HC-PE-97	crank shaft	107	AM160HC-PE-107	Rotator
98	AM160HC-PE-98	Semi-circle key	108	AM160HC-PE-108	Charging coil
99	AM160HC-PE-99	Hexagonal flange bolts	109	AM160HC-PE-109	Hexagonal flange bolt
100	AM160HC-PE-100	Start the pulley	110	AM160HC-PE-110	Oil sensor
101	AM160HC-PE-101	Hexagonal flange bolts	111	AM160HC-PE-111	Hexagonal flange bolts
102	AM160HC-PE-102	Fan cover(red)	112	AM160HC-PE-112	Flange bolt
103	AM160HC-PE-103	Flame-off switch	113	AM160HC-PE-113	Flange nut
104	AM160HC-PE-104	Flywheel nut			
105	AM160HC-PE-105	Start cup			
106	AM160HC-PE-106	Impeller(impeller fan)			






WARRANTY CARD

CUSTOMER COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____	 CUSTOMER SIGN		
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
			






I/Will accept the terms and conditions of warranty as in the warranty card

DEALERS COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____	 CUSTOMER SIGN		
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
			

I/Will accept the terms and conditions of warranty as in the warranty card

COMPANY COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____	 CUSTOMER SIGN		
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
			

I/Will accept the terms and conditions of warranty as in the warranty card

1. LIMITED WARRANTY PERIOD : For a period of six months from the date of Sale / delivery of the product which ever is earlier. 2. LIMITED WARRANTY OBLIGATION : Replacement of defective part(s) by authorized dealer are free of charges. If found defective by reasons of defective material / poor workmanship, parts will be replaced and there will be no value re-imburement. 3. TERMS & CONDITIONS : a. Claims under warranty will be accepted on submission of Warranty Card duly filled and stamped by authorized dealer together with the original purchase document. : b. Shipping / transportation / Incidental charges incurred in replacing defective parts under warranty shall be borne by the purchaser

WARRANTY null & void if

- (i) Lack of maintenance, (ii) Incorrect use of the machine or tampering, (iii) Use of non-genuine spare parts, (iv) Usage of acids, solvents, or any flammable materials, (v) Non-usage of filter water / clear water / soft water & using water above 40°C temperature, (vi) While using the pressure washers to draw water which is contaminated with dust & solvents (eg. paint thinners, gasoline, oil, etc.), (vii) Repair done by unauthorized service people, (viii) Those parts subject to wear & tear due to normal operations and plastic parts, rubber items etc, (ix) Loose connections, faulty electrical fixtures & fluctuations in power supply.
- 4. Should any failure occur during or after the warranty period, customer does not have the right to interrupt payment / price discount.
- 5. Incidental or consequential damages like inconvenience commercial loss, loss of tie, mental agony etc.
- 6. Loss of any nature due to operation or non-operation is not covered under warranty.
- 7. All free service are at Dealer's service point only.
- 8. Warranty ceases if service is not done periodically.
- 9. The attached card should be completed and returned to Ratnagiri Impex Pvt. Ltd. for registration immediately after sale / delivery.
- 10. The warranty is void unless you register the warranty card with Ratnagiri Impex Pvt. Ltd.
- 11. The decision of Ratnagiri Impex Pvt. Ltd., in settling the warranty is final in all respects.
- 12. All disputes are subject to Bangalore Courts Jurisdiction

1. LIMITED WARRANTY PERIOD : For a period of six months from the date of Sale / delivery of the product which ever is earlier. 2. LIMITED WARRANTY OBLIGATION : Replacement of defective part(s) by authorized dealer are free of charges. If found defective by reasons of defective material / poor workmanship, parts will be replaced and there will be no value re-imburement. 3. TERMS & CONDITIONS : a. Claims under warranty will be accepted on submission of Warranty Card duly filled and stamped by authorized dealer together with the original purchase document. : b. Shipping / transportation / Incidental charges incurred in replacing defective parts under warranty shall be borne by the purchaser.

WARRANTY null & void if

- (i) Lack of maintenance, (ii) Incorrect use of the machine or tampering, (iii) Use of non-genuine spare parts, (iv) Usage of acids, solvents, or any flammable materials, (v) Non-usage of filter water / clear water / soft water & using water above 40°C temperature, (vi) While using the pressure washers to draw water which is contaminated with dust & solvents (eg. paint thinners, gasoline, oil, etc.), (vii) Repair done by unauthorized service people, (viii) Those parts subject to wear & tear due to normal operations and plastic parts, rubber items etc, (ix) Loose connections, faulty electrical fixtures & fluctuations in power supply.
- 4. Should any failure occur during or after the warranty period, customer does not have the right to interrupt payment / price discount.
- 5. Incidental or consequential damages like inconvenience commercial loss, loss of tie, mental agony etc.
- 6. Loss of any nature due to operation or non-operation is not covered under warranty.
- 7. All free service are at Dealer's service point only.
- 8. Warranty ceases if service is not done periodically.
- 9. The attached card should be completed and returned to Ratnagiri Impex Pvt. Ltd. for registration immediately after sale / delivery.
- 10. The warranty is void unless you register the warranty card with Ratnagiri Impex Pvt. Ltd.
- 11. The decision of Ratnagiri Impex Pvt. Ltd., in settling the warranty is final in all respects.
- 12. All disputes are subject to Bangalore Courts Jurisdiction

1. LIMITED WARRANTY PERIOD : For a period of six months from the date of Sale / delivery of the product which ever is earlier. 2. LIMITED WARRANTY OBLIGATION : Replacement of defective part(s) by authorized dealer are free of charges. If found defective by reasons of defective material / poor workmanship, parts will be replaced and there will be no value re-imburement. 3. TERMS & CONDITIONS : a. Claims under warranty will be accepted on submission of Warranty Card duly filled and stamped by authorized dealer together with the original purchase document. : b. Shipping / transportation / Incidental charges incurred in replacing defective parts under warranty shall be borne by the purchaser.

WARRANTY null & void if

- (i) Lack of maintenance, (ii) Incorrect use of the machine or tampering, (iii) Use of non-genuine spare parts, (iv) Usage of acids, solvents, or any flammable materials, (v) Non-usage of filter water / clear water / soft water & using water above 40°C temperature, (vi) While using the pressure washers to draw water which is contaminated with dust & solvents (eg. paint thinners, gasoline, oil, etc.), (vii) Repair done by unauthorized service people, (viii) Those parts subject to wear & tear due to normal operations and plastic parts, rubber items etc, (ix) Loose connections, faulty electrical fixtures & fluctuations in power supply.
- 4. Should any failure occur during or after the warranty period, customer does not have the right to interrupt payment / price discount.
- 5. Incidental or consequential damages like inconvenience commercial loss, loss of tie, mental agony etc.
- 6. Loss of any nature due to operation or non-operation is not covered under warranty.
- 7. All free service are at Dealer's service point only.
- 8. Warranty ceases if service is not done periodically.
- 9. The attached card should be completed and returned to Ratnagiri Impex Pvt. Ltd. for registration immediately after sale / delivery.
- 10. The warranty is void unless you register the warranty card with Ratnagiri Impex Pvt. Ltd.
- 11. The decision of Ratnagiri Impex Pvt. Ltd., in settling the warranty is final in all respects.
- 12. All disputes are subject to Bangalore Courts Jurisdiction



FREE SERVICE COUPON (30DAYS/30HRS. WHICHEVER IS EARLIER)

MODEL	<input type="text"/>	SERIAL NUMBER	<input type="text"/>
PDI DATE	SERVICE NO.	PURCHASE BILL NO.	DATE
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
DEALERS OFFICE SEAL	OPERATIONS		
<input type="text"/>	<ol style="list-style-type: none"> 1. Check and test the fuel mixture 3. Check , clean and adjust the spark plug 5. Check and sparken the cutting tools 7. Start and check the noise, vibration, loosen etc.. 	<ol style="list-style-type: none"> 2. check and clean the air filter 4. Check and adjust the carburetor tuning 6. Product familirisation on usage 8. Routine maintenance and shortage. 	

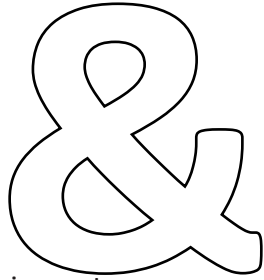
FREE SERVICE COUPON (30DAYS/30HRS. WHICHEVER IS EARLIER)

MODEL	<input type="text"/>	SERIAL NUMBER	<input type="text"/>
PDI DATE	SERVICE NO.	PURCHASE BILL NO.	DATE
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
DEALERS OFFICE SEAL	OPERATIONS		
<input type="text"/>	<ol style="list-style-type: none"> 1. Check and test the fuel mixture 3. Check , clean and adjust the spark plug 5. Check and sparken the cutting tools 7. Start and check the noise, vibration, loosen etc.. 	<ol style="list-style-type: none"> 2. check and clean the air filter 4. Check and adjust the carburetor tuning 6. Product familirisation on usage 8. Routine maintenance and shortage. 	

FREE SERVICE COUPON (30DAYS/30HRS. WHICHEVER IS EARLIER)

MODEL	<input type="text"/>	SERIAL NUMBER	<input type="text"/>
PDI DATE	SERVICE NO.	PURCHASE BILL NO.	DATE
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
DEALERS OFFICE SEAL	OPERATIONS		
<input type="text"/>	<ol style="list-style-type: none"> 1. Check and test the fuel mixture 3. Check , clean and adjust the spark plug 5. Check and sparken the cutting tools 7. Start and check the noise, vibration, loosen etc.. 	<ol style="list-style-type: none"> 2. check and clean the air filter 4. Check and adjust the carburetor tuning 6. Product familirisation on usage 8. Routine maintenance and shortage. 	

DOS



DONT'S

attempting to use the equipments.

1. Always read the instruction manual supplied along with the equipments and understand the correct installation and operating procedures before

trousers and jackets while operating potentially dangerous machines
2. It is important to use the personal protection equipments such as head helmet with visor, ear defenders, goggles, safety gloves, cut resistant shoes,
3. Avoid untrained persons using the equipments. Children must not be allowed to handle these equipments
4. Always use genuine spares and accessories in repairs and usage to derive maximum life of the equipments.
5. Always keep the equipments in good working condition to minimize loss of output as well as to reduce the pollution and save the environment
6. Do not use the machine within range of persons unless they wear protective clothing
7. Do not operate the machine when fatigued or under the influence of alcohol or drugs
8. For more query kindly contact for our Service Center/Dealer/ franchise

NO. 1 CHOICE OF FARMERS SINCE 1999



Marketed by.
**ratnagiri
impex**
BRINGING YOU THE FUTURE... NOW

RATNAGIRI IMPEX PVT., LTD.,

Annapurna House, #1 / 1G, 7th Cross, New
Guddadahalli

Mysore Road, Bangalore - 560 026

Missed Call : 7393 938 938

Email: ask@agrimart.in