



AGRI KING
TRACTORS & EQUIPMENTS PVT. LTD.

AGRI KING CAPABILITIES

PROJECT OVERVIEW

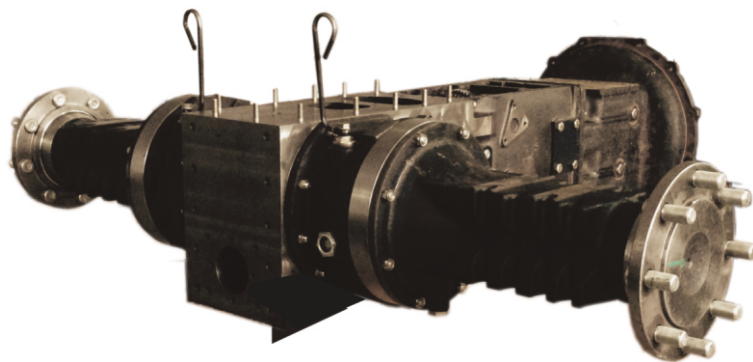
The facilities of AGRI KING Tractors & Equipments Pvt. Ltd. ("the Company") are project located at Village Majholi, Himachal Pradesh in Northern India. The Company's produces fully assembled Tractors, Tractor aggregates including Transaxles, spare parts and accessories. The company has part of a green-field production capacity of 4,000 units per annum.



AGRI KING factory at Majholi, H.P.

PRODUCTION FACILITIES

The Company's priority is to ensure the best quality in its products. To this end it has made a very large investment in state of the art CNC machinery for in-house production of the gear box, rear axle and hydraulic assemblies. This ensures ready availability of genuine top quality spare parts for Agri King's tractors.



AGRI KING 20-55 Transaxle under assembly

PRODUCTS

The company's original products is the AGRI KING 20-55, a 50-HP tractor. The 20-55 has undergone comprehensive testing at the Central Farm Machinery Training and Testing Institute (CFMT&TI), Budni, Madhya Pradesh. The 20-55 has retailed very successfully across India. Recently two new products were launched; AK-T54 and AK-T44. Both are equipped with the proprietary & patented AGRI KING 20-Speed (16F+4R), transmission. Agri King also launched 4x4 variants in 20-55 model. The Company is shortly introducing 60 HP and higher, products to add to its present offering.



BOARD OF DIRECTORS



Sardar Ravi Inder Singh, Chairman of The Board

Sardar Ravi Inder Singh, after completing his B.Tech from IIT Kharagpur worked with Schloemann AG (now SMS Group) and thereafter enrolled at Harvard to pursue his MBA. He is a career politician and an industrialist with over 55 years of professional experience. He headed Indian Steel & Wire Products Limited (ISWPL) & Jamshedpur Engineering & Machine Manufacturing Company (JEMCO) in Jamshedpur. Also, having served on the Board of Punjab State Industrial Development Corporation (PSIDC), He was instrumental in the setup of the erstwhile Swaraj Group. Agri King Tractors is the brainchild of Mr. Singh, who is driven by a passion to make available to the Indian farmer, affordable - state of the art technology, with lowest operating costs and best in class efficiency.

Mr. Krishan Lal Malik, Executive Director

A Mechanical Engineer from Roorkee, an MBA from XLRI, and a fellow of Institute of Engineers, Mr. Malik has an illustrious career spanning 45 years in the Automotive Industry. He started at Tata Motors, then served with PTL, Swaraj Mazda and Swaraj Automotives in Manufacturing, Quality Assurance, Material Procurement, Vendor Development, R&D and Finance roles. Mr. Malik is our Chief Executive and has been instrumental in the success of the project.



Mr. Pavan Kumar Verma, Director

Mr. Verma, a double MBA (Finance & Marketing and HR) from XLRI, Jamshedpur, carries over 47 years of experience. He worked at Punjab Tractors Limited (PTL) in Human Resources, Materials and General Administration, rising to the post of Executive Director. Later, as Executive Director (Operations) at Swaraj Mazda, he was instrumental in reviving the sick Unit. Under his stewardship PTL & Swaraj Mazda achieved their highest turnover and profitability. Mr. Verma has served on the Boards of Swaraj Engines and Swaraj Automotives among several others.

Mr. Manjit Singh Khaira, Independent, Non-Executive Director

Mr. Khaira completed his B.A. and LLB from Panjab University, Chandigarh. He is a Senior Lawyer of Punjab & Haryana High Court and has been practicing law for the last 48 years. Mr. Khaira brings with him a wealth of experience in jurisprudence.



MANAGEMENT

Mr. Dalip Singh Kang, Director - Financial Services

Mr. Kang is an alumnus of the Doon School and the Wharton School at the University of Pennsylvania. He is a double Bachelor in Finance and Mechanical Engineering. His past experience includes stints at Deutsche Bank and Credit Suisse. He focuses on Corporate Finance. With professional experience from the United States, Europe as well as India, Mr. Kang brings a fresh perspective to the organization. He has been with the group for the last 11 years & has been looking after the company's finance.



Mr. Anand Swarup, Vice-President - Research & Development

Mr. Swarup has a career that has spanned over 43 years across Research & Development as well as Quality Engineering. He worked with Punjab Tractors Limited from 1970 to 2008 where he rose to the position of Deputy General Manager (Research & Development). During his tenure with the Swaraj Group he also headed the Quality Assurance Department at Swaraj Engines.

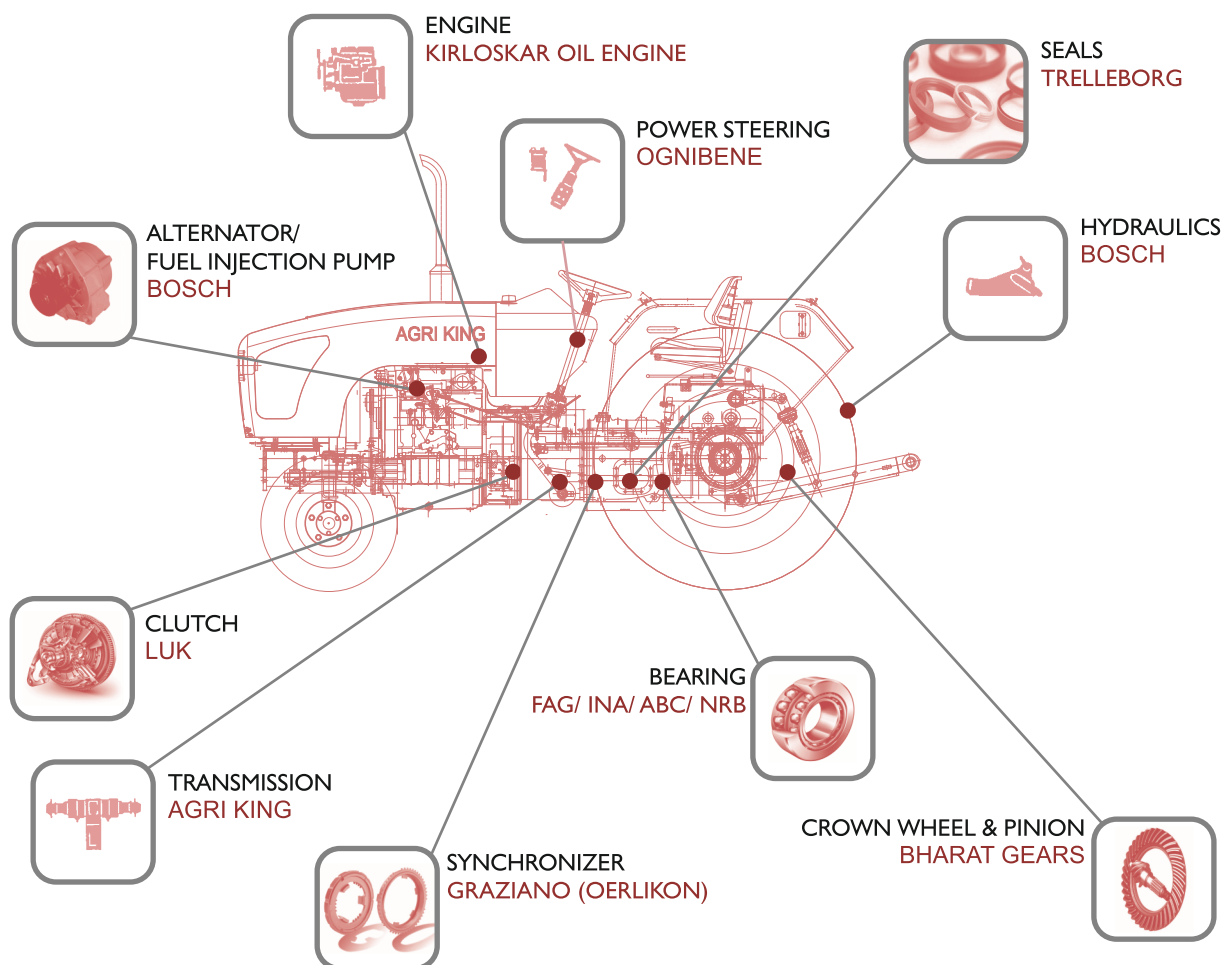
Mr. Rajiv Kumar Sharma, Director - Marketing

Mr. Sharma completed his B.Sc Engineering from Punjab Engineering College, Chandigarh in 1979. He has over 33 years of experience. For a majority of those years he has worked in Marketing, Product Servicing and Sales at Punjab Tractors Limited where he was credited with achieving significant market share for the Swaraj brand.



CONSTITUENTS

Our goal is to provide our customers with a reliable tractor which has a long and productive life. We are able to deliver unmatched quality by making absolutely no compromise on sourcing our components from the best vendors both in India and from abroad. We rely on established players with proven products. Our list of vendors speaks for itself:



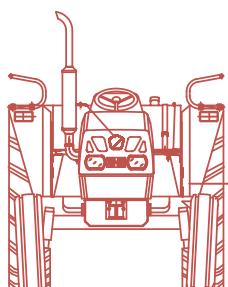
 Enriching Lives		 Invented for life		 ENGINEERED SYSTEMS	
		 Harita Seating Systems Ltd.			
 Geared for Life	 Since 1760 Paint your imagination		 LASTS LONG. REALLY LONG.		

Please Note: AGRI KING reserves the right to make changes to the above mentioned vendors without prior notice.

THE TECHNOLOGY

To this date, the Indian Tractor Market is replete with obsolete technology that is decades old and the Indian Customer has to bear the brunt. The Company intends to carve a niche for itself by delivering cost-effective, State-of-the-Art Technology in the fast growing 22 H.P. and above tractor segment. The AGRI KING 20-55 is our first step in this direction.

AGRI KING 20-55



CORE ATTRIBUTE



STATE OF THE ART
TECHNOLOGY

CUSTOMER ADVANTAGE!

PRODUCTIVITY: MORE WORK

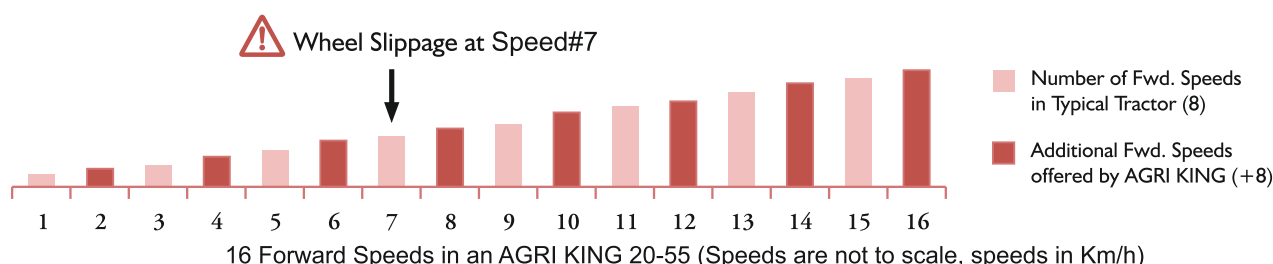
RELIABILITY: LESS DOWNTIME

ECONOMY: LOW OPERATING COST

Designed to help its owner
DO MORE, FOR LESS!

The AGRI KING 20-55 incorporates proven State-of-the-Art technology currently being used very successfully in Europe. It's sophisticated transmission with 24 Speeds and Synchromesh Technology is designed to cut operating costs, increase the tractor's life and deliver consistent returns on investment to its owner.

24 SPEEDS (16 FORWARD, 8 REVERSE): Depending on the operation, a tractor may be driven at one of several available speeds to optimize work output. Competing Indian tractors have 10 Speeds (8 Forward, 2 Reverse). The AGRI KING 20-55 is the only tractor that offers 14 additional Speeds, i.e. a total of 24 Speed Options (16 Forward, 8 Reverse) as standard-fit.



Consider a scenario, where during field operation, the driver notices that at Speed #7, the tractor's wheels lose traction and begin to slip in the soil. What options does he have?

OPTIONS AVAILABLE WITH TYPICAL TRACTOR

OPTION 1

CONTINUE AT SPEED #7

- Wheel Slippage continues
- Limited Work output
- Unproductive Engine output
- Greater Fuel consumption
- Greater Transmission wear
- Greater Tyre wear

OPTION 2

SWITCH TO SPEED #5

- Wheel slippage avoided BUT...
- Tractor is much slower now
- Takes longer to finish tasks
- More fuel consumed/task
- Greater wear

AGRI KING ADVANTAGE!

OPTION 3

SWITCH TO SPEED #6

- Wheel slippage avoided
- Operation at ideal speed
- Finish your task quicker

SAVE TIME
SAVE FUEL

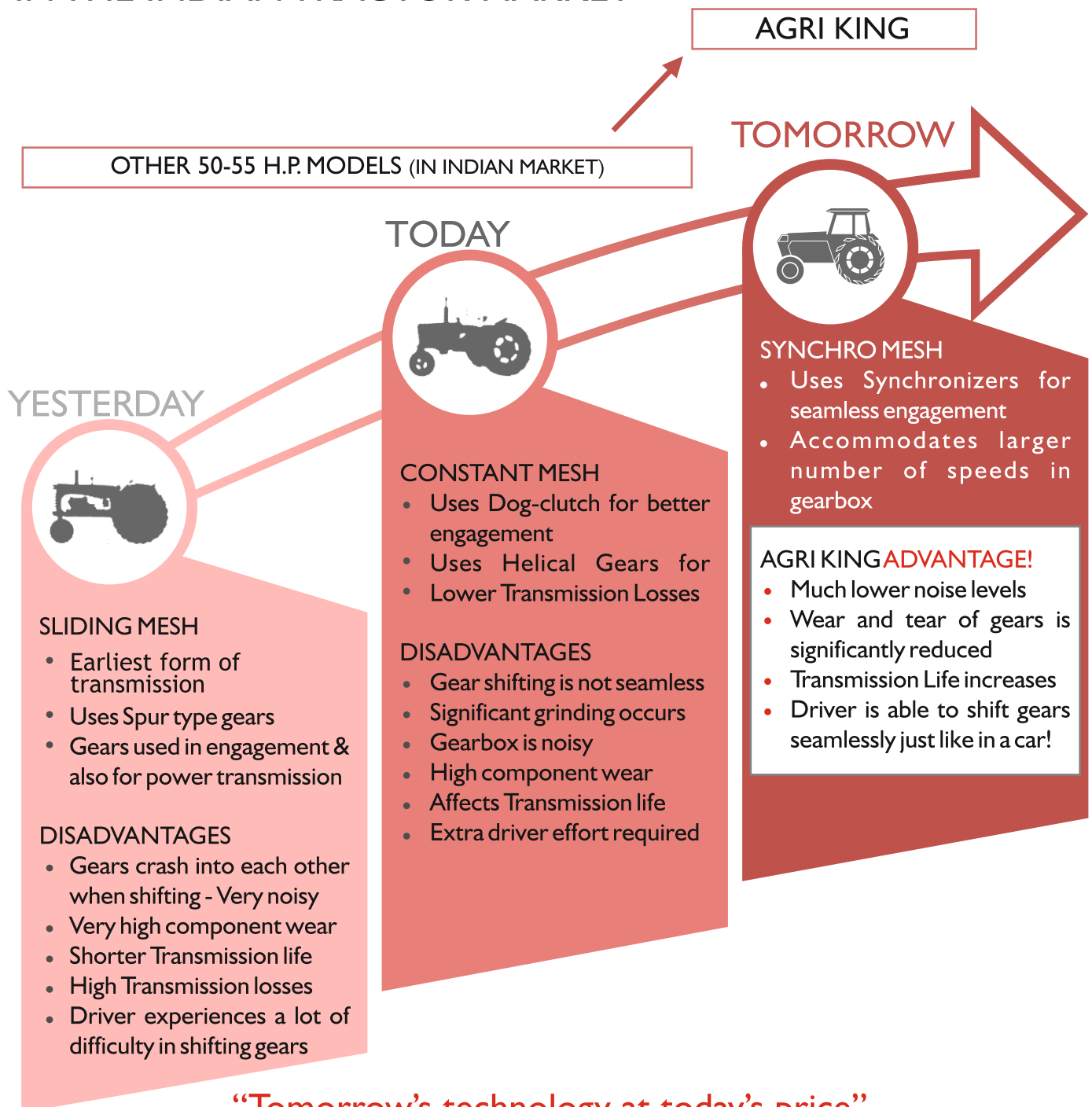
REDUCE WEAR
INCREASE LIFE

SYNCHROMESH GEAR BOX

Gearbox Technology has come a long way since the invention of the gearbox in the late 19th Century. Today, Synchro Mesh Technology is common in cars with Manual Transmissions.

In India, we observe that the tractor market has lagged abysmally in adopting modern Gearbox Technology. Only a handful of foreign manufacturers are willing to provide Synchro Mesh technology as an add-on at exorbitant cost. Several Indian tractors till today still use Sliding Mesh Transmission as a consequence the uninformed customer bears the brunt of a lack of affordable modern technology. We at AGRI KING are determined to challenge the status-quo!

EVOLUTION OF STANDARD-FIT GEARBOX TECHNOLOGY IN THE INDIAN TRACTOR MARKET



APPLICATION BREADTH

The AGRI KING Tractors is a current generation machine, designed to carry out multiple operations by attaching of special implements, thereby increasing its utilization and offering better returns to the owner. Besides traditional farm-use, this machine is highly suitable for haulage and other earth excavation operations during the idle (inter-cropping) period. The AGRI KING Tractors boasts unmatched superiority in the following operations:



TRADITIONAL AGRICULTURAL OPERATIONS

- ❖ Choice of 16 Forward Speeds & 8 Reverse Speeds, in order to:
- ❖ Avoid wheel slippage in field operations to save fuel and reduce Tyre-wear
- ❖ Select optimal speed to save time
- ❖ Front & Rear PTO points available, ability to use two implements simultaneously
- ❖ Sealed braking system & axles are ideally suited for paddy cultivation



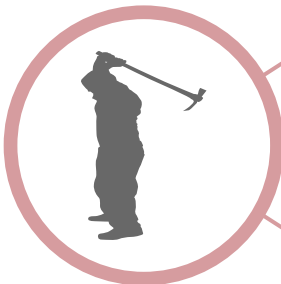
ORCHARD & VEGETABLE OPERATIONS

- ❖ AGRI KING Tractors compact design is ideal for reduced track width & height applications. Company offers adjustable front axles to suit operational needs
- ❖ Provisions for P.T.O. drive drills and manure dispensers, which can be fitted and removed conveniently



CONSTRUCTION & EARTH MOVING

- ❖ Provision for Front-end Loader & Back-hoe with Heavy Hydraulic Lift
- ❖ Single-acting Hydraulic plug-in coupling (Standard Feature)
- ❖ Quick and convenient Change-over from Agricultural use to Off-field use
- ❖ High hydraulic oil capacity for use with double-cylinder tipper trolley



MINING

- ❖ Front-end Loader & Back-hoe attachments for earth-moving operations
- ❖ Provision for double-acting hydraulic plug-in coupling
- ❖ Option of mounting a pneumatic compressor to enable use of variety of dedicated mining equipment










MUNICIPAL USE

- ❖ 16 Forward & 8 Reverse Speeds with High on-road speed (33.7 Km/h)
- ❖ Front & Rear PTO points make AGRI KING Tractors ideal for Municipal applications such as road cleaning, garbage handling, lawn mowing, snow plough operations etc.

“One machine, Many Avtars”

HEAD TO HEAD

The Company takes great pride in offering a product that sits at the pinnacle of its category in terms of performance. At the same time we have not wavered in pursuance of our commitment to affordability.

FEATURES							
MODEL	AGRI KING 20-55	JOHN DHEERE 5050	NEW HOLLAND 3630	FARMTRAC 60	ARJUN 555	SWARAJ 855	SONALIKA DI60Rx Sup.
HORSEPOWER	50 HP	50 HP	50 HP	50 HP	50 HP	50 HP	50 HP
TRANSMISSION	Synchro Mesh	Constant Mesh	Constant Mesh	Constant Mesh	Constant Mesh	Sliding Mesh	Constant Mesh
SPEED SELECTION	16 Forward 8 Reverse	8 Forward 4 Reverse	8 Forward 2 Reverse	8 Forward 2 Reverse	8 Forward 2 Reverse	8 Forward 2 Reverse	8 Forward 2 Reverse
FORWARD SPEEDS (Km/h)	1.9 - 33.7	3.1 - 32.2	3.1 - 30.9	2.9 - 31.0	3.1 - 30.8	3.1 - 31.9	2.7 - 31.9
REVERSE SPEEDS (Km/h)	1.8 - 26.9	4.1 - 14.3	4.3 - 15.6	4.2 - 14.9	4.6 - 13.2	2.6 - 12.9	3.5 - 13.9
PTO SPEEDS (Rpm)	540 /1000	540	540	540	540	540	540
LIFTING CAPACITY	1,800 Kg	1,600 Kg	1,700 Kg	1,400 Kg	1,700 Kg	1,700 Kg	2,000 Kg
TYRES FRONT	7.50 - 16	6.00 - 16	6.00 - 16	6.00 - 16	6.00 - 16	6.00 - 16	6.00 - 16
TYRES REAR	14.9 - 28	14.9 - 28	14.9 - 28	14.9 - 28	14.9 - 28	14.9 - 28	14.9 - 28

NOTE Information has been obtained from Company Websites, Dealership letings Brochures and Surveys AGRI KING Tractors does not take responsibility for the accuracy of the information represented by third parties



PREMIUM FEATURES AS STANDARD FITMENTS

In addition to the features listed in the table above, the Company offers a host of premium features as standard fittings in all variations of the 20-55:

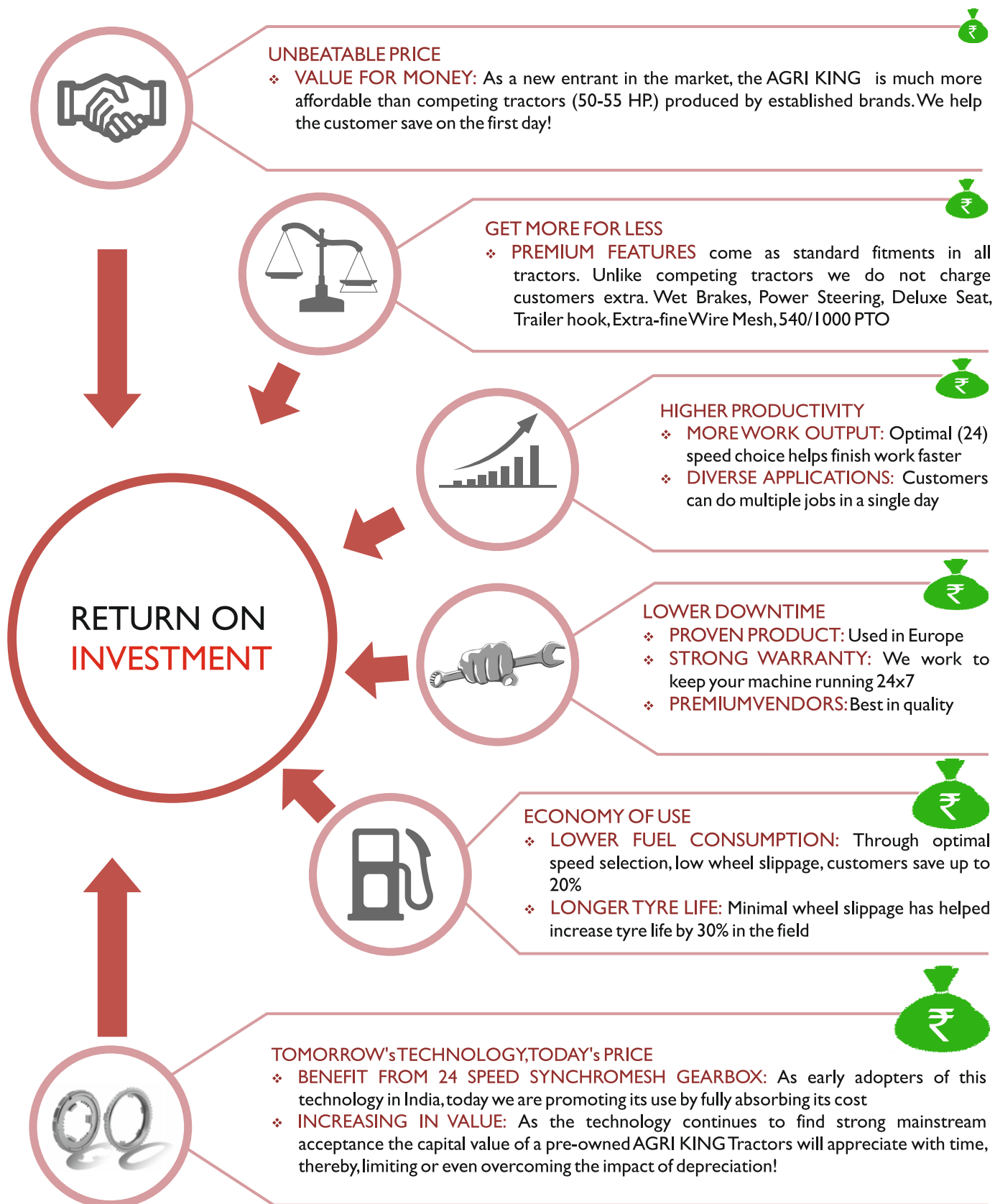
- Epicyclic Hub Reduction
- Oil Immersed Disc Brakes
- Power Steering
- Deluxe (Adjustable) Seat
- And many more...

Customers also have the option to additionally purchase features that include side shifting gear levers, additional synchronizer, differential lock, reverse PTO, adjustable front axle, four wheel drive etc.

“Agri King 20-55 offers Much More”

AGRI KING AS AN INVESTMENT

At AGRI KING we insist that customers look upon the ownership of our tractor as a very lucrative investment. We help that investment grow by adding value at each step of the product's lifecycle.



MARKETING EFFORT

While marketing the Company's pilot batch, the Sales team successfully used the following three-pronged approach in building interest and awareness about the product:

FIELD DEMONSTRATIONS

- ❖ Primary source of product awareness through on-demand & organized demonstrations
- ❖ Attendees encouraged to experience the AGRI KING's Advantages First Hand
- ❖ Head-to-head comparison with competing tractors for field operations



TRAINING & PRODUCT EDUCATION

- ❖ Dealer Representatives and Mechanics trained in Product Knowledge & Support
- ❖ Plant visits for prospective customers & dealers including Product-Awareness Camps
- ❖ Training focused on Periodic Maintenance and Product Care



ADVERTISING

- ❖ Company has successfully built tremendous goodwill with existing customers, thus now relying on word-of-mouth proliferation of awareness about product's virtues
- ❖ Selective advertising in daily vernaculars to reach prospective customers and dealers



UNDERSTANDING OUR CUSTOMER

While marketing the Pilot batch the Company made a concerted effort to get acquainted with the purchasers of its tractors. Several recurring qualities were observed which today, characterize our Typical Customer, and also help us identify Target Customers.

ECONOMY OF SCALE USER

- ❖ Requires high performance tractor
- ❖ Farmer with large landholding
- ❖ OR has regular established business (mining, haulage etc.)

TECHNICALLY INCLINED

- ❖ Understands & appreciates modern automotive technology
- ❖ Views the purchase of our product as an investment in better technology

EDUCATED & INFORMED BUYER

- ❖ Logical decision maker
- ❖ Buys tractor based on its performance in field demonstrations
- ❖ Not given to blind brand loyalty etc.

AGRI KING
CUSTOMER

COMMERCIALY FOCUSED OPERATOR

- ❖ Seeks Strong Return on Investment (RoI)
- ❖ Recognizes our low cost of operation i.e. Low fuel consumption & maintenance cost
- ❖ Keen to save time & enhance productivity

ENTERPRISING

- ❖ Takes advantage of the Breadth of Application offered by our tractor
- ❖ Uses Tractor to generate multiple streams of cash flow

AMBASSADOR OF THE PRODUCT

- ❖ As the owner of a novel product, attracts local attention & inquiries
- ❖ Strong vocal supporter of the 20-55

VINEYARD ORCHARD

TECHNICAL SPECIFICATIONS

ENGINE

MODEL	SIMPOSON SC213TAA
TYPE	4-Stroke, 2-Cylinder, DI
POWER	16.8KW/22HP
RATED SPEED	2,200 RPM
ASPIRATION	Naturally Aspirated
BORE x STROKE	95x91 mm
DISPLACEMENT	1,290 cc
MAX. TORQUE	63Nm
AIR CLEANER	Dry
COOLING	Water Cooled
HOMOLOGATION	Bharat (Trem) Stage III A

CLUTCH

TYPE	Single Clutch
DIAMETER	212mm
LINING	Cerametalic

TRANSMISSION

TYPE	Mechanical
SHIFTING	Constant Mesh Gear Box
SPEEDS	16 Forward + 8 Reverse
CONFIG.	4x3x2
FORWARD	2.1 - 26.3 Km/h
REVERSE	1.9 - 14 Km/h
FINAL DRIVE	Epicyclic Hub Reduction

STEERING

TYPE	Hydrostatic Power Steering
OIL SUPPLY	Through independent Pump

POWER TAKE OFF

TYPE	6-Splines
SPEEDS	Dual Speed: 540 / 1000 RPM
GROUND PTO	Optional

HYDRAULICS

PUMP	Gear type
DISCHARGE	32 ltrs. per minute
LIFT	Automatic Depth & Draft Control
LINKAGE	3-Point, Category I & II
CAPACITY	1,200kg at hitch point



MISCELLANEOUS

BRAKES	Oil Immersed Disc Brakes
PARKING BRAKES	Ratchet Type fully independent
FRONT TYRES	5.0x15 (6 PR)
REAR TYRES	9.5x24 (8 PR)
TURNING RADIUS	3.55 mtrs.

DIMENSIONS

BALLASTED WT.	1,450 kg
TOTAL WIDTH	1,540 mm
WHEEL BASE	1,615 mm
TOTAL LENGTH	2,700 mm (Front Hook to Lower Link)

OPTIONAL FEATURES

- Custom Colour Paint

Please Note: AGRI KING reserves the right to make changes to the above mentioned design & specifications without prior notice.

TECHNICAL SPECIFICATIONS

ENGINE

MODEL	KIRLOSKAR 3R 810 NA2
TYPE	4-Stroke, 3-Cylinder, DI
POWER	29.1KW/39HP
RATED SPEED	2,200 RPM
ASPIRATION	Naturally Aspirated
BORE x STROKE	96x112 mm
DISPLACEMENT	2,430 cc
MAX. TORQUE	144Nm
AIR CLEANER	Dry Type
COOLING	Water Cooled
HOMOLOGATION	Bharat (Trem) Stage III A

CLUTCH

TYPE	Single Clutch
DIAMETER	280mm
LINING	Cerametalic

TRANSMISSION

TYPE	Mechanical
SPEEDS	16 Forward + 4 Reverse
CONFIG.	5x2x2
FORWARD	1.8 - 30.7 Km/h
REVERSE	2.5 - 13.5 Km/h
FINAL DRIVE	Epicyclic Hub Reduction

STEERING

TYPE	Hydrostatic Power Steering
OIL SUPPLY	Through independent Pump

POWER TAKE OFF

TYPE	6-Splines
SPEEDS	Dual Speed: 540 jnRPM
GROUND PTO	163 - 2,765 RPM

HYDRAULICS

PUMP	Gear type
DISCHARGE	24 ltrs. per minute
LIFT	Automatic Depth & Draft Control
LINKAGE	3-Point, Category I & II
CAPACITY	1,500kg at hitch point



MISCELLANEOUS

BRAKES	Oil Immersed Disc Brakes
PARKING BRAKES	Ratchet Type fully independent
FRONT TYRES	6.0x16 (8 PR)
REAR TYRES	13.6x28 (12 PR)
TURNING RADIUS	3.7 mtrs.

DIMENSIONS

BALLASTED WT.	1,980 kg
TOTAL WIDTH	1,720 mm
WHEEL BASE	2,040 mm
TOTAL LENGTH	3,628 mm (Front Hook to Lower Link)

OPTIONAL FEATURES

- Front Bumper
- Custom Colour Paint
- Adjustable Front Axle
- Ballast Weights
- Heavy Duty Fibre Hood
- Tyre Size 14.9x28

Please Note: AGRI KING reserves the right to make changes to the above mentioned design & specifications without prior notice.

TECHNICAL SPECIFICATIONS

ENGINE

MODEL	KIRLOSKAR 3R1040
TYPE	4-Stroke, 3-Cylinder, DI
POWER	36.5KW/49HP
RATED SPEED	2,200 RPM
ASPIRATION	Naturally Aspirated
BORE x STROKE	105x120 mm
DISPLACEMENT	3,120 cc
MAX. TORQUE	188Nm
AIR CLEANER	Dry Type
COOLING	Water Cooled
HOMOLOGATION	Bharat (Trem) Stage III A

CLUTCH

TYPE	Dual Clutch
DIAMETER	280mm
LINING	Cerametalic

TRANSMISSION

TYPE	Mechanical
SHIFTING	Sliding Mesh
SPEEDS	16 Forward + 4 Reverse
CONFIG.	5x2x2
FORWARD	1.8 - 30.7 Km/h
REVERSE	2.5 - 13.5 Km/h
FINAL DRIVE	Epicyclic Hub Reduction

STEERING

TYPE	Hydrostatic Power Steering
OIL SUPPLY	Through independent Pump

POWER TAKE OFF

TYPE	6-Spline
SPEEDS	540 RPM
GROUND PTO	Available as Standard

HYDRAULICS

PUMP	Gear type
DISCHARGE	28 ltrs. per minute
LIFT	Automatic Depth & Draft Control
LINKAGE	3-Point, Category I & II
CAPACITY	1,500kg at hitch point



MISCELLANEOUS

BRAKES	Oil Immersed Disc Brakes
PARKING BRAKES	Ratchet Type fully independent
FRONT TYRES	7.5x16 (8 PR)
REAR TYRES	13.6x28 (12 PR)
TURNING RADIUS	3.9 mtrs.

DIMENSIONS

BALLASTED WT.	2,070 kg
TOTAL WIDTH	1,720 mm
WHEEL BASE	2,130 mm
TOTAL LENGTH	3,600 mm (Front Hook to Lower Link)

OPTIONAL FEATURES

- Front Bumper
- Custom Colour Paint
- Adjustable Front Axle
- Ballast Weights
- Heavy Duty Fibre Hood
- Tyre Size 14.9x28 & 16.9x28

Please Note: AGRI KING reserves the right to make changes to the above mentioned design & specifications without prior notice.

Agri King 20-55

TECHNICAL SPECIFICATIONS

ENGINE

MODEL	KIRLOSKAR 3R1040
TYPE	4-Stroke, 3-Cylinder, DI
POWER	36.5KW/49HP
RATED SPEED	2,200 RPM
ASPIRATION	Naturally Aspirated
BORE x STROKE	105x120 mm
DISPLACEMENT	3,120 cc
MAX. TORQUE	188Nm
AIR CLEANER	Dry
COOLING	Water Cooled
HOMOLOGATION	Bharat (Trem) Stage III A

CLUTCH

TYPE	Double Clutch
DIAMETER	280mm
LINING	Cerametalic

TRANSMISSION

TYPE	Mechanical
SHIFTING	Synchronized
SPEEDS	16 Forward + 8 Reverse
CONFIG.	4x3x2
FORWARD	1.9 - 33.7 Km/h
REVERSE	1.8 - 26.9 Km/h
FINAL DRIVE	Epicyclic Hub Reduction

STEERING

TYPE	Hydrostatic Power Steering
OIL SUPPLY	Through independent Pump

POWER TAKE OFF

TYPE	6-Splines
SPEEDS	Dual Speed: 540 / 1000 RPM
GROUND PTO	Optional

HYDRAULICS

PUMP	Gear type
DISCHARGE	28 ltrs. per minute
LIFT	Automatic Depth & Draft Control
LINKAGE	3-Point, Category I & II
CAPACITY	1,800kg at hitch point



MISCELLANEOUS

BRAKES	Oil Immersed Disc Brakes
PARKING BRAKES	Ratchet Type fully independent
FRONT TYRES	7.5x16 (8 PR)
REAR TYRES	14.9x28 (12 PR)
TURNING RADIUS	2.75 mtrs. (with brakes)

DIMENSIONS

BALLASTED WT.	2,200 kg
TOTAL WIDTH	1,830 mm
WHEEL BASE	1,980 mm
TOTAL LENGTH	3,600 mm (Front Hook to Lower Link)

OPTIONAL FEATURES

- Reverse PTO & Ground PTO
- Side Shifting Gear Levers
- Differential Lock
- Fully Synchronized Transmission (Synchro in Reverse)
- Front Bumper
- Custom Colour Paint
- Heavy Duty Rear Axle
- Adjustable Front Axle
- Ballast Weights
- Heavy Duty Fibre Hood
- Tyre Size 16.9x28

Please Note: AGRI KING reserves the right to make changes to the above mentioned design & specifications without prior notice.

Agri King 20-55 4-W D

TECHNICAL SPECIFICATIONS

ENGINE

MODEL	KIRLOSKAR 3R1040
TYPE	4-Stroke, 3-Cylinder, DI
POWER	36.5KW/49HP
RATED SPEED	2,200 RPM
ASPIRATION	Naturally Aspirated
BORE x STROKE	105x120 mm
DISPLACEMENT	3,120 cc
MAX. TORQUE	188Nm
AIR CLEANER	Dry
COOLING	Water Cooled
HOMOLOGATION	Bharat (Trem) Stage III A

CLUTCH

TYPE	Double Clutch
DIAMETER	280mm
LINING	Cerametalic

TRANSMISSION

TYPE	Mechanical
SHIFTING	Synchronized
SPEEDS	16 Forward + 8 Reverse
CONFIG.	4x3x2
FORWARD	1.9 - 33.7 Km/h
REVERSE	1.8 - 26.9 Km/h
FINAL DRIVE	Epicyclic Hub Reduction

STEERING

TYPE	Hydrostatic Power Steering
OIL SUPPLY	Through independent Pump

POWER TAKE OFF

TYPE	6-Spline
SPEEDS	Dual Speed: 540 / 1000 RPM
GROUND PTO	Optional

HYDRAULICS

PUMP	Gear type
DISCHARGE	28 ltrs. per minute
LIFT	Automatic Depth & Draft Control
LINKAGE	3-Point, Category I & II
CAPACITY	1,800kg at hitch point



MISCELLANEOUS

BRAKES	Oil Immersed Disc Brakes
PARKING BRAKES	Ratchet Type fully independent
FRONT TYRES	8.3x24 (8 PR)
REAR TYRES	16.9x28 (12 PR)
TURNING RADIUS	3.70 mtrs.

DIMENSIONS

BALLASTED WT.	2,730 kg
TOTAL WIDTH	1,895 mm
WHEEL BASE	2,140 mm
TOTAL LENGTH	3,550 mm (Front Hook to Lower Link)

OPTIONAL FEATURES

- Heavy Duty Fibre Hood
- Side Shifting Gear Levers
- Heavy Duty Rear Axle
- Fully Synchronized Transmission (Synchro in Reverse)
- Ballast Weights
- Custom Colour Paint

Please Note: AGRI KING reserves the right to make changes to the above mentioned design & specifications without prior notice.

TECHNICAL SPECIFICATIONS

ENGINE

MODEL	KIRLOSKAR 4R1040
TYPE	4-Stroke, 4-Cylinder, DI
POWER	44.5KW/59HP
RATED SPEED	2,200 RPM
ASPIRATION	Naturally Aspirated
BORE x STROKE	105x120mm
DISPLACEMENT	4160cc
MAX. TORQUE	224Nm
AIR CLEANER	Dry
COOLING	Water Cooled

CLUTCH

TYPE	Double Clutch
DIAMETER	280mm
LINING	Cerametalic

TRANSMISSION

TYPE	Mechanical
SHIFTING	Synchronized
SPEEDS	16 Forward + 8 Reverse
CONFIG.	4x3x2
FORWARD	1.9 - 34.7 Km/h
REVERSE	1.9 - 29 Km/h
FINAL DRIVE	Epicyclic Hub Reduction

STEERING

TYPE	Hydrostatic Power Steering
OIL SUPPLY	Through independent Pump

POWER TAKE OFF

TYPE	6-Spline
SPEEDS	Dual Speed: 540 / 1000 RPM
GROUND PTO	Optional

HYDRAULICS

PUMP	Gear type
DISCHARGE	32 ltrs. per minute
LIFT	Automatic Depth & Draft Control
LINKAGE	3-Point, Category I & II
CAPACITY	1,800kg at hitch point



MISCELLANEOUS

BRAKES	Oil Immersed Disc Brakes
PARKING BRAKES	Ratchet Type fully independent
FRONT TYRES	7.5x16 (8 PR)
REAR TYRES	14.9x28 (12 PR)
TURNING RADIUS	3.75 mtrs.

DIMENSIONS

BALLASTED WT.	2,510 kg
TOTAL WIDTH	1,830 mm
WHEEL BASE	2,110 mm
TOTAL LENGTH	3,400 mm (Front Hook to Lower Link)

OPTIONAL FEATURES

- Reverse PTO & Ground PTO
- Side Shifting Gear Levers
- Differential Lock
- Fully Synchronized Transmission (Synchro in Reverse)
- Front Bumper
- Custom Colour Paint
- Heavy Duty Rear Axle
- Adjustable Front Axle
- Ballast Weights
- Heavy Duty Fibre Hood

Please Note: AGRI KING reserves the right to make changes to the above mentioned design & specifications without prior notice.

AK-T65 4-WD

TECHNICAL SPECIFICATIONS

ENGINE

MODEL	KIRLOSKAR 4R1040
TYPE	4-Stroke, 4-Cylinder, DI
POWER	44.5KW/59HP
RATED SPEED	2,200 RPM
ASPIRATION	Naturally Aspirated
BORE x STROKE	105x120mm
DISPLACEMENT	4160cc
MAX. TORQUE	224Nm
AIR CLEANER	Dry
COOLING	Water Cooled

CLUTCH

TYPE	Double Clutch
DIAMETER	280 mm
LINING	Cerametalic

TRANSMISSION

TYPE	Mechanical
SHIFTING	Synchronized
SPEEDS	16 Forward + 8 Reverse
CONFIG.	4x3x2
FORWARD	2.1- 36.5 Km/h
REVERSE	2.1- 30.6Km/h
FINAL DRIVE	Epicyclic Hub Reduction

STEERING

TYPE	Hydrostatic Power Steering
OIL SUPPLY	Through independent Pump

POWER TAKE OFF

TYPE	6-Spline
SPEEDS	Dual Speed: 540 / 1000 RPM
GROUND PTO	Optional

HYDRAULICS

PUMP	Gear type
DISCHARGE	32 ltrs. per minute
LIFT	Automatic Depth & Draft Control
LINKAGE	3-Point, Category I & II
CAPACITY	1,800kg at hitch point



MISCELLANEOUS

BRAKES	Oil Immersed Disc Brakes
PARKING BRAKES	Ratchet Type fully independent
FRONT TYRES	9.5x24 (8 PR)
REAR TYRES	16.9x30 (14 PR)
TURNING RADIUS	3.9 mtrs.

DIMENSIONS

BALLASTED WT.	2,730 kg
TOTAL WIDTH	1,880 mm
WHEEL BASE	2270 mm
TOTAL LENGTH	3,750 mm (Front Hook to Lower Link)

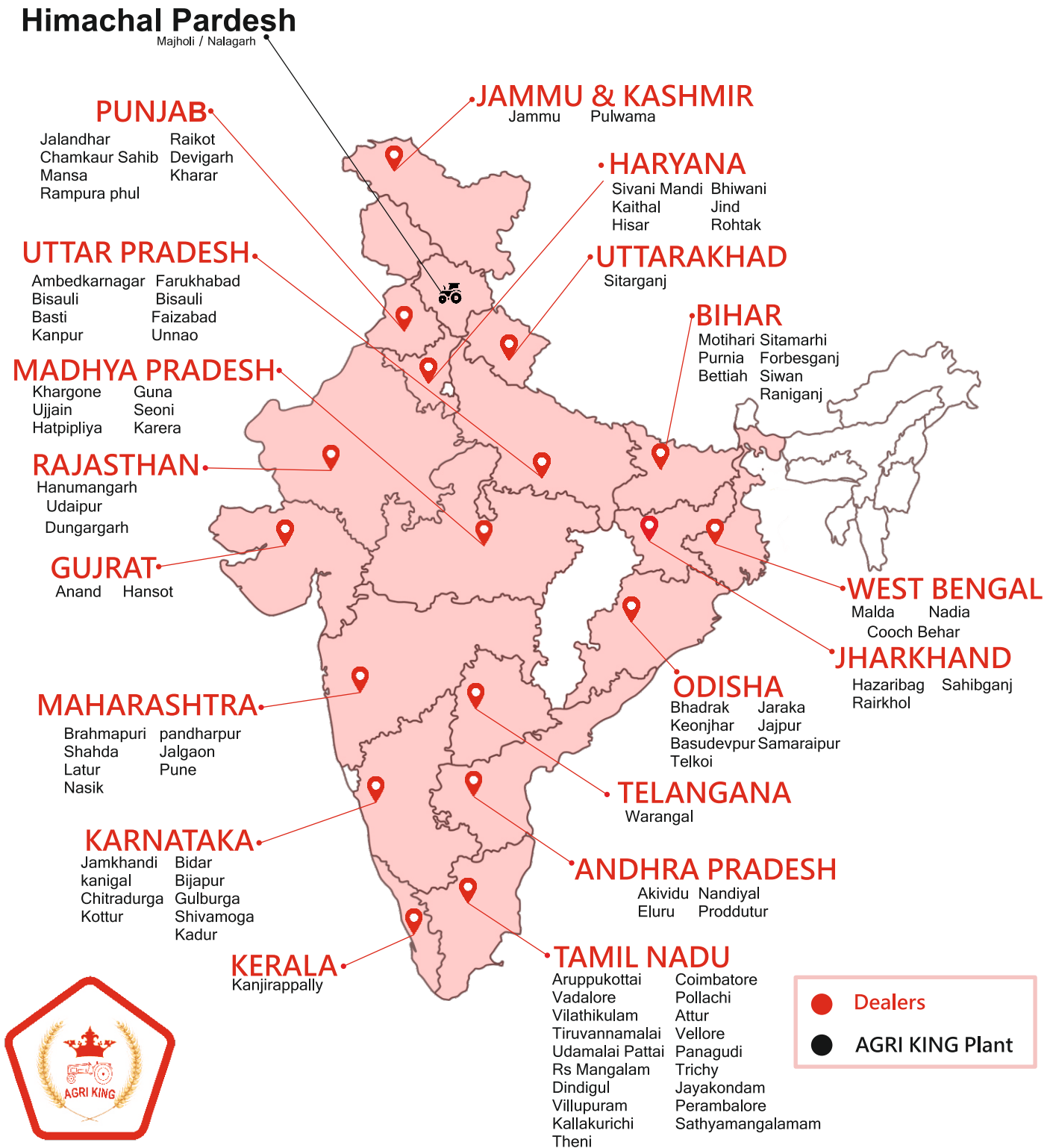
OPTIONAL FEATURES

- Custom Colour Paint
- Side Shifting Gear Levers
- Heavy Duty Rear Axle
- Fully Synchronized Transmission (Synchro in Reverse)
- Ballast Weights
- Heavy Duty Fibre Hood

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SALES NETWORK

The Company currently has over 100 points of sale across India, Nepal & Bangladesh and it intends to increase this number to 150 during the current financial year. The Company is also engaged in the export of its tractors and tractor aggregates.



AGRI KING Tractors & Equipments Pvt. Ltd

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AGRI KING TRACTORS AND EQUIPMENTS PVT. LTD.



Patent Certificate

(Rule 74 of The Patents Rules)

29/09/2015

AGRI KING TRACTORS & EQUIPMENTS PVT.LTD

प्रमाणित किया जाता है कि पेटेंटी का, उपरोक्त आवेदन में यथाप्रकटित *MULTISPEED SLIDING MESH TRANSMISSION FOR VEHICLE TO OBTAIN OPTIMUM OUTPUT* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख सितम्बर 2015 के उन्नीसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *MULTISPEED SLIDING MESH TRANSMISSION FOR VEHICLE TO OBTAIN OPTIMUM OUTPUT* as disclosed in the above mentioned application for the term of 20 years from the 29th day of September 2015 in accordance with the provisions of the Patents Act, 1970.

[illegible]

अनुदान की तारीख
Date of Grant : 11/12/2023

पेटेंट निरीक्षक
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, सितम्बर 2017 के उन्नीसवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 20th day of September 2017 and on the

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 29th day of September 2017 and on the same day in every year thereafter.

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