









To offer high quality
multi-featured fuel-efficient
Agricultural Equipment and
Industrial & Construction Machinery
at optimum cost and deliver
world-class performance,
backed by excellent
after-sales service.





Indo Farm Equipment Limited... is a dream come true. The Company started with a single objective... to manufacture a tractor that every farmer can afford. This led us to explore the world markets and ultimately we came across one of the most reputed names in the world for tractor engines - Ursus Diesel Company Ltd., Poland. Consequently we were able to provide a quality tractor to the farmer.

Encouraged by the overwhelming response from the tractor industry, we have now diversified into infrastructure equipments with the first product, i.e. Hydraulic Pick 'N' carry crane to cater to the needs of industrial, construction and mining sectors. Engines being our core competence area, we are now making engines for generator sets to address the overgrowing global demand for electricity.

goodwill and support of all our partners and business associates, we shall continue to give our best ... everytime.

We, at Indo Farm, are confident that with the

आर.एस. खडवालिया

अध्यक्ष एवं प्रबन्ध निर्देशक

#### R.S. Khadwalia

Chairman-cum-Managing Director

इंडो फार्म इक्युपमेंट लिमिटेड ... एक सपना साकार हुआ। इस सपने को साकार करने के लिए हमने एक ऐसी सहयोगी कम्पनी की तलाश की जो हमें बेहतर इंजन उपलब्ध करा सके। अन्तत् हमारी ये तलाश विश्व की सुप्रसिद्ध और सर्वोच्च कम्पनी उरसस डीज़ल कम्पनी लिमिटेड के साथ गठवन्धन से सम्पन्न हुई। फलस्वरूप हम किसान को एक बेहतर ट्रैक्टर उपलब्ध कराने में सक्ष्म हो सके।

ट्रैक्टर चालकों से प्राप्त उत्साह के फलस्वरूप, अब हम इंफ्रास्ट्रक्चर मशीनरी के क्षेत्र में भी सक्रिय हैं और औद्योगिक निर्माण व खनन हेत्र हाइड्रॉलिक पिक-एंड-कैरी क्रेन का निर्माण कर रहे हैं। चूंकि इंजन निर्माण में हमारी विशेषज्ञता है, विश्वभर में बढ़ती हुई बिजली की मांग आपूर्ति के लिये हम जैनरेटर सैटों के इंजन भी बनाते हैं।

हमें पूरा विश्वास है कि हमारे व्यापारिक सांझेदारों के सहयोग से हम हर समय सबसे बेहतर टैक्टर और बिक्री उपरांत सेवा इस देश के किसानों को देते रहेंगे।





Prof. Prem Kumar Dhumal, Hon'ble Chief Minister, Himachal Pradesh and Shri M. Venkaiah Naidu, former Hon'ble Union Rural Development Minister laying the foundation stone at the Company's factory site at Export Promotion Industrial Park, Phase-II, Baddi, Himachal Pradesh.



Shri R.S. Khadwalia, Chairman & Managing Director, Indo Farm, Prof. Prem Kumar Dhumal, Hon'ble Chief Minister, Himachal Pradesh, Shri M. Venkaiah Naidu, then Hon'ble Union Rural Development Minister, Shri Miroslaw Zasada, Charge D' Affairs, Embassy of Poland, New Delhi and Sh. Stanislaw Bortkiewicz, Chairman, Ursus Group, Poland, on the occasion of foundation stone laying ceremony on 11th August, 2001 at EPIP, Phase-II, Baddi, Himachal Pradesh.

### **Our Strengths**

#### Why Indo Farm is the best PARTNER for Business ...

- Excellent product range :
  - 35 HP to 90 HP in 3 and 4 cylinder tractors.
  - 9 tonnes to 18 tonnes in pick 'n' carry hydraulic mobile cranes.
  - 15 kVA to 45 kVA in genset engines.
  - 15 kVA to 50 kVA in diesel gensets.
  - 1 tonne to 3 tonnes in forklifts.
- New plant and modern casting unit equipped with latest machines.
- Cost-effective operations.
- Faster turn-around time in Product Development.
- Fast Decision making.
- Systems like SAP in use that help in professional management.
- Vision, willingness and determination to grow.
- Open-minded culture...open-door policy.
- Young, Energetic, Progressive and Responsive management team; average age .. 35 years.
- Company believes in philosophy of considering dealers as Business Partners.
  - Indo Farm...a company on the threshold of faster growth









#### **Brief Overview**

- Commenced manufacturing operations in technical collaboration with Ursus (Poland) in 2000 at its Plant located at Baddi in District Solan of Himachal Pradesh.
- Plant spread over an area of 34 acres.
- Installed Capacity of 12000 tractors.
- State-of-art Machine Shop having more than 150 modern machines, SPMs and latest CNC machining centres for producing excellent quality components like Cylinder heads, Blocks, Transmission housings, Gear boxes, Hydraulic housings, Axle tubes, Cages, Timing cases & covers, Sump, Fly wheels, Fly wheel housings, etc.













Quality
Assurance
Section



R.T. and Hydraulic Machining Lines



Press Shop

- Manufacturing range of tractors in the Horse Power range of 35 HP, 38 HP, 45 HP, 55 HP, 60 HP, 65 HP, 75 HP and 90 HP.
- Tie-up with several Banks and Finance Companies for retail financing:
  - State Bank of India
  - Canara Bank
  - Bank of Baroda
  - · Central Bank of India
  - Allahabad Bank
  - State Bank of Indore
  - · State Bank of Bikaner & Jaipur
  - State Bank of Hyderabad
  - Bank of Maharashtra
  - Sundaram Finance Ltd.
  - Punjab & Sind Bank
  - HDFC Bank

- Punjab National Bank
- Union Bank of India
- Bank of India
- Corporation Bank
- · Bank of Maharashtra
- State Bank of Mysore
- State Bank of Saurashtra
- Syndicate Bank
- · IDBI Bank Ltd.
- · Dena bank
- Vijaya Bank
- Indusind Bank Limited

Also MOUs with several rural lending, cooperative and gramin banks.

- Separate Research, Design and Development Cell, instrumental in developing tractors using latest technology for catering to the ever-changing farming needs.
- Company has its own Foundry unit commissioned in 2006. Ensures better product quality.
- Top management comprises of professionals with rich industry experience.



## **Indo Farm Tractors**





## INDO FARM Tractor Range of Models

HP SEGMENT		2 SERIES		3 SERIES
33 HP Range	2030			
38 HP Range	2035		3035	
45 HP Range	2042		3040	0-0-0
55 HP Range	3052			
60 HP Range	3055		75 HP Range 4175	
65 HP Range	3065		90 HP Range 4190	

Full range in all segments to cater to the diverse needs of farmers



### **Indo Farm Tractors' Strengths**

High fuel-efficiency.

Equipped with Rotary Pumps resulting in less Diesel consumption and low maintenance cost.



Preparing for meeting future emission norms (Trem IV)
proposed to be implemented in 2010.
Low maintenance; no need of lube oil; improved diesel economy.

High Pulling Power.

High back-up Torque for deep cultivation and haulage of heavy loads on steep gradients.

Wet (oil immersed brakes)





Better braking due to larger braking area; longer life due to oil cooling.

Ideal for Puddling and Haulage on hilly terrain.

#### Brakes on intermediate shafts



### Power steering





Ease of operation and operator comfort in heavier applications

#### Dual Clutch



While working with PTO, one can shift gears without stopping the PTO operation. Required for Reapers, Balers, Post-hole Diggers and similar implements.



Straight Rear Axle



High capacity Hydraulic Lift

1400 kg.: 33 to 45 HP range

1800 kg.: 55 to 65 HP range



Sultable for heavy implements and tipping trailers with high loads

Epicyclic Reduction



One of first and few tractor companies in India to manufacture...



engine tractors (3055DI and 3065DI)

#### Benefits for Customers:

- Better balanced firing order leading to:
  - Less Vibrations
  - Low Noise Level
  - Lower Smoke...Less Pollution

Our tractors received the 1st Prize at the "All India Farmers Fair and Agro Industrial Exhibition – 2004" organised by GB Pant University of Agriculture & Technology, Uttrakhand

## **Special Applications of Tractors**

DC

Adaptation of tractor for important special applications like tractor mounted loader, backhoe, dozer and combine.







## INDO PO EDER Pick 'N' Carry Crane Range of Models



INDO POWER-9 (30 feet height 2 part standard boom)



INDO POWER-11 (30 feet height 2 part standard boom)



INDO POWER-12 (42 feet height 3 part slotted boom)



INDO POWER-12 (36 and 42 feet height 3 part standard boom)



INDO POWER-14 (42 feet height 3 part slotted boom)



INDO POWER-14 (53 feet height 4 part standard boom)



INDO POWER-16 (50 feet height 3 part standard boom)



INDO POWER-18 (61 feet height 4 part standard boom)

## **Special Features of Indo Power Cranes**



Straight Rear Axle



Full Length Chassis



Heavy Duty Main Frame



Minimum Turning Radius



Air Brakes(Optional)



Heavy Duty Winch



High Ground Clearance

## **ELEVATE** Forklift Range of Models



Maximum Lift Capacity: 1 to 3 tonnes



### **Indo Farm Engines for Gensets**

Over a period of time, Indo Farm has gained good technical strength is engines by virtue of developing engines in-house for its tractors ever since it got the first engine from Ursus, Poland eight years ago. So much so, today, Indo Farm is exporting engines to Ursus, Poland for fitment on the latter's tractors.

In view of engines becoming one of the core competence areas of Indo Farm, and also in view of the flourishing demand of gensets not only in India but also abroad, Indo Farm has extended its engines range to cover engines for genset applications.

Today, Indo Farm has already developed 10 different engines for gensets and these have already received the Government certification. More models are being developed as per market requirement and this shall now be a continuous process.

In view of the quality engineered in Indo Farm engines for gensets, a leading global engines group has tied up with Indo Farm for procurement of engines for marketing and distribution in about 150 countries through their network.



Indo Farm IF1832 (15 kVA)



Indo Farm IF2833 (25 kVA)



Indo Farm IF2432 (20 kVA)



Indo Farm IF3443 (30 kVA)



Indo Farm IF4543 Turbo (40 kVA)

Above engines are available in 1500 rpm and 1800 rpm for 50 Hz and 60 Hz power generation

### **Indo Power Diesel Generating Sets**

In order to meet the ever-increasing demand of power supply, Indo Farm manufactures and supplies high quality, reliable and eco-friendly INDO POWER Gensets.

The gensets are available in 15 kVA to 50 kVA range and are certified by CPCB (Central Pollution Control Board), India.

Powered by the renowned Indo Farm engines, INDO POWER gensets have low-vibration, are highly fuel efficient, have a longer life with low maintenance cost. The controls are safe and within quick reach. The canopy is sound dampened, thus preventing noise pollution.







Engine Assembly



Gear Box Assembly >>>



Transmission Assembly



Tractor Sub-Assembly



Tractor Assembly ▶



Sheet Metal Assembly





Crane Assembly



Crane Assembly >>>



Final Testing



### Components from the best for Quality

We source components from the best vendors in the country and do not compromise even on nuts and bolts.

Reputed suppliers like:

MRF

**BOSCH** 

Exide

Lucas

Clutch Auto

Delphi TVS

Super Seals

**DCM** Engineering

Mahindra Forge, Sundaram Fasteners

Rane Engine Valves, Talbros

Gaskets, Silwin Winches India

Dantal Hydraulic, Oscar Equipments

Denison Hydraulics, Dynamatics Technologies Ltd,

Sundaram Clayton

and so on.

Best vendors in the country as our focus is on...





#### **Backward Integration**

We have recently commissioned a state-of-art Foundry unit equipped with induction furnaces, pneumatic moulding machines, automatic moulding line, sand plant and fully equipped metallurgy and sand testing laboratory.



Existing Capacity: 6000 tons per annum

Area: 5 acres approx.

#### Advantages:

- Component cost benefit.
- Faster adaptation of production cycles to cater to market demand.
- · Reduced inventories.
- Shall serve as OEMs to other automobile manufacturers in near future.



### **Research & Development**

- Design Software like Auto CAD and ProE enabling design and virtual simulation of components and processes.
- Some key achievements in Engine Technology:
  - Indigenisation of technology, for manufacture of high-grade tractor engines, obtained from URSUS, Poland.
  - Development of two new indigenous engines, i.e.
     3-cylinder and 4-cylinder, used in our 3-series tractor and crane models.
  - Design of re-entrant type combustion chamber in all engines for better combustion through proper air fuel mixing, resulting in low fuel consumption.





#### **Exports**

- Our engines meet European emission norms applicable to tractors (engine is homologated in Europe and even certified by PERKINS, UK for excellent performance)
- From Import of tractor engines 10 years ago to Export of important components to Europe is just an indicator of our rapid pace of success.
- And now, exporting engines to Europe:
  - URSUS, Poland as OEMs for their tractors.
- Also exporting engines for gensets to countries across the globe.















#### **Distribution Network**

# Tractors and Cranes Distribution and Service Network in the Service of our valued Customers



## हर किसान के वेहरे पर हो मुस्कान सपना था ये हो देश की पहचान और हमने यह सपना सच कर दिखाया किसानों के जीवन में जब से पहुंचाया **इंडो फार्म**





An ISO 9001:2008 Certified Company

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