

PUSHAN Tractor to the Countrymen

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CMERI, Durgapur

In line with the development of three major CMERI tractors, such as, Swaraj, Sonalika, and Krishishakti, the advent of PUSHAN tractor will revolutionize again the agricultural scenario of India. PUSHAN is a new development of tractor technology which is completely different from the conventional tractors. It is a multi-utility vehicle and possesses many advantages including easy manoeuvrability and smooth control. In India, farmland plots are often small. There are also large areas having soft soil on irregular field surface. Big tractors face many difficulties in many places of our country that are full of shallow irregular fields. A light and small tractor is ideally suited for such irregular terrain. Pushan can handle variable soil conditions and can be used for cultivation of different crops. Besides this, in India, about 85 percent households cultivate about 36 percent of entire cultivated land. The land holding of majority of the farmers normally does not exceed 4 hectares per farmer. Under such a situation, PUSHAN would be the appropriate and affordable means of cultivation.



With the development of 12 HP PUSHAN TRACTOR, farm mechanization as applicable to small land holdings will become possible in India, promising better yield and prosperity of the millions of country men.

In PUSHAN, the mechanical power transmission is replaced by hydraulic power transmission system. PUSHAN is cost affordable by common farmers, it is extremely energy efficient, it has step-less forward and reversible motion and it is endowed with more flexibility in terms of position of PTO (Power take off) and others. PUSHAN eliminates many mechanical devices those belong to conventional mechanical tractors, namely Clutch system and Gear Box. As a result, it reduces many mechanical losses. It is a multi-utility vehicle; the tractor is suitable for hilly areas.

CMERI dedicated the PUSHAN tractor to the countrymen on the occasion of 63rd Independence Day to achieve its pursuit for a developed India.

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