ReCAMA WORKSHOP AND BUSINESS-MACHING EVENT ON SUSTAINABLE MECHAINZATION FOR SMALL HOLDER FARMERS

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KATHMANDU, NEPAL
FEDERAL DEMOCRATIC REPUBLIC OF NEPAL

- TOTAL AREA - 147,516 sq. KM, 0.1% of TOTAL LAND AREA OF EARTH
- 77 DISTRICTS, 263 MUNICIPALITIES, 3157 VDCs
- POPULATION 28.98 MLN.
- PREDOMINANTLY AND AGRARIAN COUNTRY
- AGRICULTURE CONTRIBUTES 29.37% to GDP, 66% EMPLOYMENT
- 21% OF THE LAND IS CULTIVATABLE (47% RAIN-FED)
- AVERAGE LAND HOLDING 0.68 HA
- MAJOR CROPS PADDY, MAIZE WHEAT AND HORTICULTURE
- LIVESTOCK: CATTLES, BUFFALOS, SHEEP/GOAT, PIGS AND POULTRY
Agricultural Land Distribution in Nepal

Geographical Distribution of Nepal

Agricultural Land Distribution in Nepal
National Average Size Of Holding (Ha)

Percentage of different land holder in Nepal on 2011/2012

- Himalayan Region
- Hilly region
- Terai Region
SOUTHERN PLAIN AREAS: FOUR WHEEL TRACTORS

RICE >90%: MANUAL TRANSPLANTATION

COMBINED HARVESTERS AND REAPERS, HILLS BRUSH CUTTERS

IRRIGATION EQUIPMENT, SOLAR PUMP, DRIP IRRIGATION,

GREEN HOUSE TECHNOLOGY INCREASING RAPIDLY

SUBSIDY IS THE MAIN SOURCE OF EQUIPMENT PURCHASE

RESEARCH: 1/3 FARMERS LEAVE THEIR LAND BARREN

RESEARCH: 1/3 FARMERS ARE NOT MOTIVATED IN FARMING
CURRENT NEEDS AND GAP

• MINI TILLERS HAVE TAKEN OVER OXEN
• BUT STILL NOT SUFFICIENT
• LOW PURCHASE CAPACITY OF FARMERS AS INCOME IS LOW
• SUBSTANCE FARMING
• ONLY SUBSIDY IS THE MAIN TOOLS TO INCREASE MECHANIZATION
• MAIZE IS ALMOST 100% MANUALLY HARVESTED
• ENGINE OPERATED THRESHERS ARE INCREASING
• DOING PADDY HARVESTING WITH COMBINED HARVESTERS AND REAPERS AND TRACTOR DRIVEN THRESHERS BUT NOT ADEQUATE
• SUBSIDY BUDGET GAP
OPPPERTUNITY

• 4WD TRACTORS SOLD 7000-8000 PER YEAR
• MINI TILLERS ARE SOLD ARROUND 5000 PER YEAR,
• COMBINED HARVESTERS ARE RENTED FROM INDIA AND NOW OWNING FOR RENT LOCALLY,
• PLANT PROTECTION EQUIPMENT
• HARVESTING EQUIPMENT LIKE REAPERS
• FISHERY AND LIVESTOCK EQUIPMENT CHAFF CUTTER, AERATER
• IRRIGATION EQUIPMENT, PUMP DRIP IRRIGATION
• AGRICULTURE MACINERY HIRING AND SERVICE
• CUSTOMS HIRING TO SOME EXTENT BUT NOT LONG TERM SOLUTION
• ENTERPRENEURS ARE DOING HIRING AND SERVICE
ROLE OF PRIVATE SECTOR

• DRIVER OF MECHANIZATION IN NEPAL
• MOSTLY IMPORT MEETS THE DEMAND
• ACCESS DEMAND, IMPORT, DEMO, ETC.
• LIASE WITH GOVT FOR SUBSIDY
• SEE POSSIBILITY OF LOCAL PRODUCTION
• MAKES THE AFTER SALES SERVICE
THANK YOU

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