Table-2 Brief Note on 254 HP.innovative Energy saving Pumpset installed at Joe's Sustainable Farm, KIREHULLY ESTATE, India.

Parameters	SMALL 250 MODEL JETS	254 HP.EFFICIENT MODEL OF SPRINKLING
Total area to be covered	116 Acres	116 Acres
UNDERGROUND PIPE LINE	SAME 12 inches GI & 6 X 6 inches Hallmark HDPE	SAME
DISCHARGE	Approx. 20 million liters	Approx. 20 million liters
No. of jets per shift	Ten Model-250	Seven. Rain guns
Precipitation	One inch (25 MM)	One inch (25MM)
Time period for each shift	Two & a half hours	Three hours
Area covered per shift	1.5 acres	10 .00 acres
Area covered in one day	6 Acres	40 Acres
Labour required per day	5	5
Total No. of days required to cover 116 acres	20 days	3 days.
Total No. of shifts required to cover 116 acres	80	12
Total cost of labour 5lab x 250 Rs. Considering Blossom & Backing (20 + 20=40 Days)	Rs.25,000+ 25,000=50,000.00	Rs. 3750+3750=7500.00
Diesel consumption per hour	12 Liters per hour(75 HP)	35 Liters per hour(254 HP)
Diesel consumption per day	120 liters	420 liters
Total diesel required for 116 acres (Blossom + Backing)	2400 + 2400= 4800 liters	1260 + 1260=2520 liters
Total cost of diesel at Rs.50 (Blossom & Backing)	4800 liters x Rs.50=2,40,000.00	2520 litres x Rs.50=1,26,000.00
Total Cost of sprinkling for Blossom and Backing (Diesel + Labour)	Rs. 2,40,000 + 50,000= 2,90,000.00	Rs. 1,26,000 + 7500= 1,33500.00
Cost of sprinkling per acre Rs.	2500=00	Rs.1150=00
Net savings per acre	-	1400=00
NET SAVINGS IN ONE YEAR	-	1,60,000=00

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