

08. “Design and development of pedal operated fish de-scaling cum slicing machine”

Duration: April 2016 – March 2020

Pedal operated fish de-scaling cum slicing machine is mobile fish dressing unit that is very useful for the street vendors to clean the fish on spot hygienically with less damage to fish.

Performance parameters	Outcome / Results
RPM of slicing and descaling unit	140 – 145
Time required for descaling and slicing the different fishes	
Rohu (avg.400g)	52 sec
Catla (avg. 350g)	48 sec
Pink perch (avg. 220g)	40 sec
Average Time of total operation (Slicing and descaling)	45 sec
Efficiency of descaling as compared to manual	94.75%
Capacity (per min)	One average sized fish
Total Cost of Unit	₹ 1,000/-

