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# Plant Calculation

RW/2018-19/Q\_4193/R\_1

Date: 16/07/2018

To,  
Mr. Debasis

**SUB : 2000Ltr. Per Hour R.O. Plant Capacity's Calculation.**

Dear Sir,

As per our discuss the capacity of 2000Ltr. Per/Hour R.O Plant is as per under.

**8hour Production of the one shift =16000Ltr.**

Liter Water	Nos. of Unit.	Unit.
14400	1200	1Ltr. Bottle
14400Ltr. Water		



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### Detail's of Unit Per Shift

- **1Ltr. Bottle Box (1 x 12 Bottles) = Rs. 65.00 (Sell Price/Box)**
- 1Ltr. Bottle Pre Form : Rs. 2.10
- 1Ltr. Bottle Cap : Rs. 0.30
- 1Ltr. Bottle Label : Rs. 0.25
- 1Ltr. Bottle Box : Rs. 0.65
- Total Material Cost : Rs. 3.30 x 12 Bottles = Rs. 39.60**
- 1Ltr. Bottle Box Gross Profit (Sell Price – Cost) = Rs. 25.40**
- 1Ltr. Bottle Box Production (1200 Box x Rs.25.40) = Rs.30480**  
(Gross Profit in 1Ltr. Box)

### A. ExpansE OF Labor Work:

13 Worker	=	40000.00	8 Worker.
		10000.00	for Lab Tech.
		10000.00	for Lab Tech.
		8000.00	One Plant Operator
		8000.00	One Filling Operator
		8000.00	One Blowing Operator.
		<u>8000.00</u>	One shrink Operator
Total Salary:		<b>92000.00</b>	For One Month
Total Salary:		3538.00	For One Day (Count Per 26 Days)

### B. ExpansE OF Electricity Charge:

Total Elec. Bill.	<b>100000.00</b>	For One Month.
Total Elec. Bill.	3846.00	For One Day. (Count Per 26 Days)



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## C. Interest On Machinery Investment:

3075000.00	Total Project Machinery Values
<b>46125.00</b>	Interest For One month
1774.00	Interest For One Day (Count Per 26 Days)

## D. Expanse OF BIS License and Testing Fee:

125000.00	License Fee/Annual
40000.00	Testing Fee/Annual
<u>10000.00</u>	Chemical/Annual
175000.00	Total Annual Fee
14583.00	Monthly Charge
<b>560.00</b>	<b>For One day charge (Count per 26 Day)</b>

## Total Expanse per Shift

A. Expanse OF Man Power	: Rs. 3538.00
B. Expanse OF Electricity Charge	: Rs. 3846.00
C. Interest On Machinery Investment	: Rs. 1774.00
D. Expanse OF BIS License and Testing Fee	: Rs. <u>560.00</u>

**Total Expanse per Shift**

**: Rs. 9718.00**

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## Gross Profit Counting

1Ltr. Bottle Box Production (1200 Box x Rs. 25.40) = Rs.30480.00

Total Gross Profit =: Rs. 30480.00

## Net Profit Counting

Total Gross Profit : Rs. 30480.00

Total Expanse per Shift : Rs. 9718.00

Net Profit (Per Shift) : Rs. 20762.00

Net Profit (Count per 26 Day) : Rs. 539812.00