

Reaching Impact, Saturation and Epidemic Control (RISE)

PARTICIPANT HANDOUT- 3.2.1

Correct Answers:

Answer 1:

Consumption in 24Hrs (LPM)= $1500 \times 60 \times 24 = 21,60,000$ Lit per day

Consumption in KG = Liters $\times 0.001429$ KG

Consumption in MT = (Liters $\times 0.001429$ KG)/1000 (MT)

Consumption in MT = $(21,60,000 \times 0.001429 \text{ KG})/1000 \text{ (MT)} = 3.08 \text{ MT}$

Stock will last: 5 days

Answer 2:

1 MT of LMO = 770 m3 of gas

60 MT = $770 \times 60 \text{ m3} = 13,860$

Cost @ 18/m3 = $13,860 \times 18 \text{ INR} = 2,49,480 \text{ INR}$

Answer 3:

1000 Liter LMO = 1 KL LMO

1 KL LMO = 1141.7 Kg

Total storage capacity = 33 KL

Total Storage capacity (Kg) = $33 \times 1141.7 \text{ kg} = 376761 \text{ kg}$

Total Storage capacity (MT) = $376761/1000 = 37.67 \text{ MT}$

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