

Project Feasibility for Establishment  
of  
Layer Poultry Unit

Consultant Details:

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**POULTRY BUSINESS - LAYER**

INPUTS		
Project Location		Maharashtra
Project Address		Nashik
Area Required	Acre	1.5
Project Requirement	Birds	10,000
Numer of Days in a Yeay	Number	365
<b>Time Period of Each Stage</b>		
Brooding Period	Days	55
Growing Period	Days	85
Laying Period	Days	360
<b>Maximum Cycles possible per Cage Per Year</b>		
Brooding Period	Number	7
Growing Period	Number	4
Laying Period	Number	1
<b>Success Rate</b>		
Brooding Period	%	95.0%
Brooding Period	%	100%
Growing Period	%	97.5%
Laying Period	%	95.0%
<b>Number of Layer Sales Cycle Per year</b>		
	Number	1
<b>Input Birds at Start of Cycle</b>		
	Number	10,000
During Brooding Period	Number	10,000
During Growing Period	Number	9,750
During Laying Period	Number	9,500
<b>Average Egg Production Per Bird</b>		
	Number	310
<b>Average Sales Price Per Egg</b>		
	Rs/ Unit	3.25
<b>Average Sales Price of Culled Bird</b>		
	Rs/ Unit	80
<b>Average Sales Price of Gunny Bag</b>		
	Rs/ Unit	20
<b>Feed Consumption</b>		
Brooding Period	Kg/ Day/ Bird	0.3
Growing Period	Kg/ Day/ Bird	0.4
Laying Period	Kg/ Day/ Bird	0.7
<b>Feed Cost</b>		
Brooding Period	Rs/ Kg	20.0
Growing Period	Rs/ Kg	15.0
Laying Period	Rs/ Kg	15.0

FIXED COST		
<b><u>Land Cost</u></b>		
Land Required for Entire Project	Acre	1.50
Land Cost	INR/Acre	600,000
<b>Total Land Cost for Entire Project</b>	<b>INR</b>	<b>900,000</b>
<b><u>Land Development &amp; Boundary</u></b>		
<b>Land Development &amp; Boundary Walls</b>	<b>INR</b>	<b>120,000</b>
<b><u>Construction - Brooder Shed</u></b>		
Number of Sheds	In Number	1
Area Req per Bird	In Sq ft	0.50
Number of Birds per year	In Number	10,000
Number of Batches Per year	In Number	2
Number of Birds Per Shed Per Cycle	In Number	5,000
Area Req per Shed	In Sq ft	2,500
Construction Cost per Sq ft	In INR	200
<b>Construction Cost per Shed</b>	<b>In INR</b>	<b>500,000</b>
<b><u>Construction - Grower Shed</u></b>		
Number of Sheds	In Number	1
Area Req per Bird	In Sq ft	0.60
Number of Birds per year	In Number	10,000
Number of Batches Per year	In Number	2
Number of Birds Per Shed Per Cycle	In Number	5,000
Area Req per Shed	In Sq ft	3,000
Construction Cost per Sq ft	In INR	200
<b>Construction Cost per Shed</b>	<b>In INR</b>	<b>600,000</b>
<b><u>Construction - Layer Shed</u></b>		
Number of Sheds	In Number	2
Area Req per Bird	In Sq ft	0.80
Number of Birds per year	In Number	10,000
Number of Batches Per year	In Number	1
Number of Birds Per Shed Per Cycle	In Number	10,000
Area Req per Shed	In Sq ft	8,000
Construction Cost per Sq ft	In INR	200
<b>Construction Cost per Shed</b>	<b>In INR</b>	<b>3,200,000</b>
<b><u>Construction -Feed Store</u></b>		
Number of Sheds	In Number	1
Area Req per Store	In Sq ft	2,000
Construction Cost per Sq ft	In INR	200
<b>Construction Cost per Shed</b>	<b>In INR</b>	<b>400,000</b>

<b>Brooder Equipments</b>		
Number of Sheds	In Number	1
Number of Birds	In Number	5,000
Capital Cost per Bird	In INR	50
<b>Capital Cost per Shed</b>	<b>In INR</b>	<b>250,000</b>
<b>Grower Equipments</b>		
Number of Sheds	In Number	1
Number of Birds	In Number	5,000
Capital Cost per Bird	In INR	70
<b>Capital Cost per Shed</b>	<b>In INR</b>	<b>350,000</b>
<b>Layer Equipments</b>		
Number of Sheds	In Number	2
Number of Birds	In Number	10,000
Capital Cost per Bird	In INR	100
<b>Capital Cost per Shed</b>	<b>In INR</b>	<b>2,000,000</b>
<b>Other Capital Costs</b>		
*Other Costs include Automation, Generator, Electricity, Water, Mill, Weigh, etc		
<b>Other Capital Costs</b>	<b>In INR</b>	<b>1,000,000</b>
<b>Poultry Business - Fixed Cost (In INR)</b>		
Land and Land Development	<b>In INR</b>	1,020,000
Construction - Birds Shed	<b>In INR</b>	4,300,000
Construction -Feed Store	<b>In INR</b>	400,000
Equipments Cost	<b>In INR</b>	2,600,000
Other Capital Costs	<b>In INR</b>	1,000,000
<b>Total Fixed Cost</b>		<b>8,300,000</b>

VARIABLE COST		
<b><u>Birds Cost</u></b>		
Number of Cycles per year	In Number	2
Cost per Bird (1 Day old)	In INR	25
Total Cost of Birds Per Cycle	In INR	250,000
<b>Total Cost of Birds Per annum</b>	<b>In INR</b>	<b>250,000</b>
<b><u>Feed Cost - Brooder</u></b>		
Number of Cycles per year	In Number	2
Brooding Period	Days	55
Feed Cost Per Kg	In INR	20
Feed Req per Bird	In Kg	3
Feed Cost per Bird	In Kg	60
<b>Feed Cost per Annum</b>	<b>In Kg</b>	<b>600,000</b>
<b><u>Feed Cost - Grower</u></b>		
Number of Cycles per year	In Number	2
Brooding Period	Days	85
Feed Cost Per Kg	In INR	15.0
Feed Req per Bird	In Kg	4.5
Feed Cost per Bird	In Kg	67.5
<b>Feed Cost per Annum</b>	<b>In Kg</b>	<b>675,000</b>
<b><u>Feed Cost - Layer</u></b>		
Number of Cycles per year	In Number	1
Brooding Period	Days	360
Feed Cost Per Kg	In INR	15
Feed Req per Bird	In Kg	40
Feed Cost per Bird	In Kg	600
<b>Feed Cost per Annum</b>	<b>In Kg</b>	<b>6,000,000</b>
<b><u>Vaccination Cost - Brooder</u></b>		
Cost Per Bird	In INR	8
Number of Birds	In Number	10000
<b>Total Vaccination Cost - Brooder</b>	<b>In INR</b>	<b>80000</b>
<b><u>Vaccination Cost - Grower</u></b>		
Cost Per Bird	In INR	12
Number of Birds	In Number	10000
<b>Total Vaccination Cost - Brooder</b>	<b>In INR</b>	<b>120000</b>
<b><u>Vaccination Cost - Layer</u></b>		
Cost Per Bird	In INR	10
Number of Birds	In Number	10000
<b>Total Vaccination Cost - Brooder</b>	<b>In INR</b>	<b>100000</b>
<b><u>Other Expenses</u></b>		
Other Cost Per Bird	In INR	40
Number of irds	In Number	10,000
<b>Other Cost Per Annum</b>	<b>In INR</b>	<b>400,000</b>

<b>Poultry Business - Variable Cost (In INR)</b>	
Birds Cost	250,000
Feed Cost	7,275,000
Vaccination Cost	300,000
Miscellaneous	400,000
<b>Total Variable Cost (First Year)</b>	<b>8,225,000</b>

<b>Total Investment</b>		
Fixed Cost	In INR	8,300,000
Variable Cost	In INR	8,225,000
<b>Total Cost</b>	<b>In INR</b>	<b>16,525,000</b>

SALES		
<b>Eggs</b>		
Number of Layer Batches Per Year	In Number	1
Total Layer Birds producing Eggs	In Number	9,500
Eggs produced per Bird	In Number	310
Total Eggs Produced	In Number	2,945,000
Average Sales Price of each Egg	In INR	3.25
<b>Total Eggs Sales</b>	<b>In INR</b>	<b>9,571,250</b>
<b>Culled Birds</b>		
Number of Layer Batches Per Year	In Number	1
Total Culled Birds	In Number	9,500
Average Sales Price of each Bird	In INR	80.0
<b>Total Culled Birds Sales</b>	<b>In INR</b>	<b>760,000</b>
<b>Gunny Bags/ Manure</b>		
<b>Total Sales</b>	<b>In INR</b>	<b>700,000</b>

<b>Profit Margins</b>		
Revenue	In INR	11,031,250
Expenses	In INR	8,225,000
<b>Total Profit</b>	<b>In INR</b>	<b>2,806,250</b>
Profit Margin	%	25%