

P-12027/8/2019-PC DIVISION  
Government of India  
Ministry of Food Processing Industries  
Panchsheel Bhawan, August Kranti Marg,  
New Delhi – 110049

Dated: 29.07.2020

**Subject: Cost norms of Plant & Machinery and Equipment for General Utilities – Reg.**

Ministry has constituted a Committee under the Chairmanship of VC, NIFTEM for fixing cost norms for infrastructure and processing facilities for working out eligible project cost for all the schemes under Pradhan Mantri Kisan Sampada Yojana (PMKSY).

2. Based on the examination of cost of Plant Machinery and Equipment received from Original Equipment Manufacturers (OEMs), inputs available with the Members of the Committee, feedback and consultations, the Committee has proposed the cost norms for Plant & Machinery and Equipment required for food processing indicating the broad/ general specifications of the machine and its capacity.

3. The Ministry, based on the recommendations of the Committee and review thereupon, has determined the cost norms for the Plant & Machinery and Equipment for working out the Eligible Project Cost for the purpose of calculating the amount of grant as financial assistance to the projects under the schemes of the Ministry.

4. The cost norms for Plant & Machinery and Equipment has been fixed on the basis of OEM quotations of indigenous manufacturers for calculation of eligible projects cost/ grant under the schemes of the Ministry. This will help promote indigenous machinery. Entrepreneurs desiring to import such machinery may bear extra cost on their own. Wherever indigenous brand manufacturers do not exist, the cost norm will be fixed on the basis of cost of the lowest OEM quotation of imported machinery.

5. Cost norms of General Utilities are given at Annexure.



6. Grant-in-aid amount for the proposals received against the Eols and approved by the Inter-Ministerial Approval Committee under all the schemes of the Ministry will be calculated based on the above cost norms.

7. The cost of any other facilities/ components to be created under the projects and not covered under the cost norms may be considered based on the quotations submitted along with the proposal and inputs of technical member of the Committee subject to the approval by the Inter-Ministerial Approval Committee.

This has the approval of the competent authority.

Encl: As above



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**Cost norms of Plant & Machinery and Equipment for General Utilities**

Ministry has constituted a Committee under the Chairmanship of VC, NIFTEM for fixing cost norms for infrastructure and processing facilities for working out eligible project cost for all the schemes under Pradhan Mantri Kisan Sampada Yojana (PMKSY).

2. Based on the examination of cost of Plant Machinery and Equipment received from Original Equipment Manufacturers (OEMs), inputs available with the Members of the Committee, feedback and consultations, the Committee has proposed the cost norms for Plant & Machinery and Equipment required for food processing indicating the broad/ general specifications of the machine and its capacity.

3. The Ministry, based on the recommendations of the Committee and review thereupon, has determined the cost norms for the Plant & Machinery and Equipment for working out the Eligible Project Cost for the purpose of calculating the amount of grant as financial assistance to the projects under various schemes of the Ministry.

4. The cost norms for Plant & Machinery and Equipment have been fixed on the basis of OEM quotations of indigenous manufacturers for calculation of eligible projects cost/ grant under the schemes of the Ministry. This will help promote indigenous machinery. Entrepreneurs desiring to import such machinery may bear extra cost on their own. Wherever indigenous brand manufacturers do not exist, the cost norm will be fixed on the basis of cost of the lowest OEM quotation of imported machinery.

5. Cost norms have been determined for commonly used Plant & Machinery and Equipment required by the food processing industries. The list is not exhaustive and more Plant & Machinery and Equipment would be included in due course.

6. The costs mentioned are basic cost of Plant and Machinery, exclusive of tax, freight, installation and commissioning charges.

7. The cost of any other facilities / components proposed to be created under the project and not covered under the cost norms may be considered by Technical Committee based on the



quotations submitted along with the proposal and inputs of technical member of the Committee subject to the approval by the Inter-Ministerial Approval Committee.

8. If the capacity of components differs from those provided in cost norms, prorate cost may be considered by Technical Committee based on quotations submitted along with the proposal and inputs of technical member of the Committee subject to the approval by the Inter-Ministerial Approval Committee.

9. All the utilities, their material of constructions and supporting accessories should be of good quality and make, it should comply with the standards for quality and safety available for the same in the country, wherever applicable.

10. All the major utilities of the plant should be designed, engineered and fabricated in accordance with the prevailing and applicable Indian Standards as laid down by BIS. Wherever Indian Standards are not available, international standards may be considered.

11. The cost norms determined for Plant & Machinery and Equipment for General Utilities are given in the table below:

**A. Boilers**

S.No	Boilers	Capacity (in MT/h)	Cost (In Rs. Lac.)
1	Bricket, Biomass, Wood with chimney, control panel and all accessories etc	0.4	13.5
2		1	20
3		2	25
4		4	35
5		6	50
6		8	65
1	Oil Fired with chimney, control panel, oil tank, pumps and all accessories etc	1	30
2		2	40
3		4	60
4		6	80
5		8	100
6		10	120
7		15	150

**B. Generator Set**

S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	Silent DG Set with engine, alternator, manual control panel, silencer, fuel tank, battery etc	50 KVA	5.0
2		100 KVA	7.1
3		200 KVA	11.6
4		300 KVA	17.3
5		500 KVA	24.0
6		1000 KVA	54.0

**C. Auto Main Failure Panel**

S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	Auto Main Failure Panel	50 KVA	0.60
2		100 KVA	0.75
3		200 KVA	1.45
4		300 KVA	1.70
5		500 KVA	3.15
6		1000 KVA	5.15

**D. Transformer**

S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	11/0.433 KV copper double wound 3 Phase 50 HZ Oil Cooled Outdoor Type Distribution Transformer Confirming to IS 1180 Energy Efficiency Level 2 With First Filling Of Oil As Per IS: 335	160 KVA	2.30
2		200KVA	3.20
3		250KVA	3.60
4		300KVA	4.20
5		500KVA	5.60
6		750KVA	9.90
7		1000 KVA	10.20
8		1500 KVA	14.50

9	alongwith standard fittings and accessories	2000 KVA	29.00
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#### E. Servo Voltage Stabilizer

S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	Servo Voltage Stabilizer	125KVA	1.20
2		200KVA	1.85
3		300KVA	2.50
4		500KVA	4.05
5		1000 KVA	5.50
6		1500 KVA	8.68

#### F. Automatic Power Factor Controller

S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	Automatic Power Factor Controller	125KVA	1.13
2		200KVA	1.80
3		300KVA	2.70
4		500KVA	4.50
5		1000 KVA	9.00
6		1500 KVA	14.40

#### G. Solar Power


S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	PV Solar Power plant – On Grid/Off Grid	110 kWp	60
2		500 kWp	265
3		01 MWp	405
4		02 MWp	810
5		05 MWp	1800

#### H. Reverse Osmosis Water Plant

S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	R.O. Plant	2 KLH	3.5
2		5 KLH	8.8
3		25 KLH	29
4	R.O.Plant with added mineral system U.V. system SS Storage Tank	6 KLH	22

#### I. Water Softening Plant

S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	Water Softening Plant	1000 LPH	1.20
2		2000 LPH	1.50
3		3000 LPH	1.90
4		4000 LPH	2.20
5		5000 LPH	2.50
6		6000 LPH	2.70
7		7000 LPH	3.20
8		8000 LPH	3.80
9		9000 LPH	4.10
10		10000 LPH	3.95
11		20000 LPH	6.40
12		30000 LPH	7.80
13		40000 LPH	9.20
14		50000 LPH	11.00



### J. Effluent Treatment & Sludge Treatment Plant

S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	Effluent Treatment Plant	100 KLD	20
2	With Primary Treatment, Secondary Biological Treatment and Tertiary Treatment: units with all accessories	400 KLD	100
3		700 KLD	150
4	Sludge Treatment Plant	15 KLD	20
5		50 KLD	29

### K. Air Compressor

S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	Air compressor	22.0 CFM	2.5
2		37.4 CFM	4.23
3		54.4 CFM	4.54

### L. Crates

Sr. No.	Crate Type	Other Detail, if any	Capacity	Cost per unit
1	Crates		20 kg	Rs 275
2	Rectangular Plastic Vegetable Crates,	Shape: Rectangular. Outer Dimension:600(L) x400(B)x225(H)mm. Inner Dimension:565(L) x365(B)x215(H)mm	45 Ltr	Rs 425
3	Perforated Plastic Crates	Size: L650XW450XH355(mm)	76 Ltr	Rs 1,200
4	Industrial plastic crates	Outer Dimension: 400(L)x300(B)x065(H)mm	5 Ltr	Rs 325
5	PP crates	Size: 600 X 400 X 325 mm	68 Ltr,	Rs 400



6	Plastic milk crates	Size: 470 mm x 378 mm x 163 mm	120 Ltr	Rs300
7	Jumbo crates	O.D: 650 mm x 450 mm x 485mm	120 Ltrs	Rs 850
8	Plastic bottle crates	Dimensions: 420 x 280 x 140 mm	24 Bottles	Rs175
9	HDPE crates	Outer Dimension: 600x400x225 mm Inner Dimension: 565X365X215 mm	50 Ltr	Rs 400
10	Wooden Crates	1200 x 800 x 800; Pinewood HT	Standard capacityas per raw Material	Rs. 2010

#### M. Pallets and bins

S.No	Particular	Capacity	Cost
1	MS Pallet Material: Mild Steel	1.2-1.5 MT	Rs 2,000/
2	Plastic Pallets 1100 X 1100 X 120 (in mm)	1MT	Rs 2500/-
3	Wooden Pallets Pinewood;1200 x 800 x 160 (in mm)	1 MT	Rs. 925/-
4	Wooden Bins Pinewood ; 1200 x 800 x 800 (in mm)	1 MT	Rs. 3600/-

#### N. Weigh Bridge

S.No	Particulars	Capacity	Cost (In Rs. Lac.)
1	Weigh Bridge with civil and mechanical structure, load cells, display units. (excluding the control room)	60 MT	7.0
2		80 MT	8.0
3		100-120MT	9-10

**O. Miscellaneous Equipment**

Sr. No.	Particulars	Type	Capacity	Cost (In Rs. Lac.)
1	Centrifugal Pump	Single Stage	220 LPH	0.28
		Three Stage	100 LPH	0.55
		Radial Flow	4000 LPH	0.32
		Suction	6000LPH	0.40
2	Condensers	Water Cooler	200 TR	0.65
		Air Cooler	500 TR	0.80
3	Cooling Towers	Forced Draft	1000 TR	1.2
		Counter flow	150 TR	1.5
		Fan less	1000 TR	0.15
		Natural Draft	50 L/s	0.48

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