

Date: 07.12.2018


CORRIGENDUM/ADDENDUM


Online Tender No. NIFTEM/Tender/Pilot Plants/2018-19/52, as published at CPP portal and also at our website i.e. www.niftem.ac.in on 23.11.2018 for tender for running of Pilot Plants or using facilities on license basis for product development & commercialization in NIFTEM Campus.

In order to address queries of bidders, a pre-bid meeting was conducted on 04.12.2018, which was attended by 8 prospect bidders. Accordingly, following corrigendum/addendum is being made:-

- 1) The institute will prefer to license for complete shop floor of each Pilot Plant to a single bidder for easier working but in case of non availability, the institute will license to those who intend to take license for in part (i.e. whole line if there is a dedicated processing line like energy bar, cornflakes, etc.). Third priority will be given to license on standalone equipment. All such cases shall be decided for smooth running of plant by the Institute
- 2) The equipment wise cost list is enclosed herewith as **Annexure -I**. Wherever rates are given in USD, the conversion rates shall be the same as being paid by NIFTEM (66.50 INR).
- 3) NIFTEM will extend power back up through DG on actual cost basis
- 4) License fee shall be applicable after 15 days from the issue of LOI and signing of agreement. The bidder has to sign agreement within 15 days from the issue of LOI, failing which license will be cancelled. Besides EMD will be forfeited.
- 5) If any bidder is showing interest more then one pilot plant or equipment installed in any other Pilot Plant, the bidder has to submit additional EMD of Rs. 1.00 lakh EMD shall be the same for single equipment and complete Pilot Plant
- 6) The tender may be read amended to this extend




(Dr. M P Sahu)
Professor Incharge,
Pilot Plant


(Dr. PK Nema)
Chairman, CPC


(Dr. Ashutosh Upadhyay)
Registrar


Vice Chancellor

Annexure - I**List of equipments (Fruits & Vegetables)**

Sr. No.	Name	Capacity	Number	Cost of each equipment (INR)
1.	Steam jacketed boiling pan SS316	100 liters	2	237210
2.	Pulper SS 304 with 0.5 HP motor	100 Kgs/hr	1	78870
3.	Juice Extractors SS 304- with 1 HP motor, 1440 rpm	100 Kgs/hr	1	723075
4.	Screw Press	-	1	341325
5.	Colloid Mill	-	1	133095
6.	Homogenizer	-	1	431700
7.	Batch Mixing Tank with stirrer SS 316	-	1	133095
8.	Steam Jacketed syrup making tank	-	1	243015
9.	Bottle Washer – water jet type for new bottles –with loading and unloading platform	-	1	133095
10.	Bottle filling machine-vacuum filler	-	1	194925
11.	Coring and peeling machine for pineapple	-	1	610125
12.	Slicing machine	-	1	541425
13.	Cubing machine	-	1	719175
14.	Bottle capping machine	-	1	87375
15.	Bottle crimping machine	-	1	17925
16.	Bottle lator g machine	-	1	511575
17.	Plate and Frame Filter Press	-	1	522750
18.	Plate Heat Exchanger	-	1	143700
19.	Hydrostatic Sterilizer	-	1	4406250
20.	Autoclave	-	3	246015
21.	Pouch Filler	-	1	300975
22.	Form-Fill-Seal machine	-	1	143400
23.	Can Reformer	-	1	89625
24.	Can Filler	-	1	430200
25.	Can seaming machine	-	1	125475
26.	Conveyor Belt-12 ft length, 2 ft wide	-	2	112050



27.	SS Slat Chain Conveyor-5 inch, 12 ft length	-	2	424200
28.	Inspection Table SS304 top	-	3	161325
29.	Tray dryer	100 kgs/hr	1	283800
30.	Drum dryer	65 kgs /hr	1	2501025
31.	Freeze dryer	-	1	4357875
32.	Small IQF plant	100 kgs/hr	1 set	5624250
33.	Plate freezer	100 kgs/hr	1	3069750
34.	Spray dryer	100 LPH	1	3883500
35.	Ripening Chamber	1 tonne	1	458250
36.	Cold storage	0.5 tonne	1	2966700
37.	Controlled Atmosphere Storage	1.00 tonne	1	

List of major equipments (PILOT PLANT FOR MILK AND DAIRY PRODUCT)



MILK RECEPTION AND CHILLING SECTION				
Sr. No.	Name	Capacity	Number	Cost of each equipment (INR)
1.	Weighment tank	100kg	1	59357
2.	duplex inline filter		1	37373
3.	Chilling of milk (PHE)	1KLPH	1	70150
4.	Raw milk silos	5KL	1	453275
5.	Processed milk silos	2KL	3	53961
MILK PROCESSING SECTION				
1.	Homogeniser	1KLPH	1	593574
2.	Pasteurizer	1KLPH	1	809419
3.	Cream separator	1KLPH	1	377729
CREAM PROCESSING, BUTTER AND GHEE SECTION				
1.	Cream Chillers	250LPH	1	59357
2.	Cream Ripening tank	500 L	1	377729
3.	Cream Aging tank	250 L	1	334560
4.	Continuous Butter Making machine	50kg/h	1	2859948
5.	Butter Melting Vat	250kg	1	226637
6.	Ghee Boiler	200 L	1	334560
7.	Ghee Settling Tank	250 L	1	26981
8.	Ghee Clarifier	500-100kg/h	1	161884
9.	Ghee Granulation tank	250 L	1	334560
10.	Ghee Pouch Filling Machine	200PPH	1	485652
DAHI/CHHACH/LASSI SECTION				

1.	Curd setting tank (after culture addition)	500 litre	1	377729
2.	Cup Filling and Sealing Machine	100/200/400gm (25 cups per minute)	1	809419
3.	Curd Incubation Room		1	755458
4.	Cold room		1	
PANEER /CHEESE SECTION				
1.	Rectangular shape, jacketed and insulated Paneer/ Cheese vat	500 L	1	161884
2.	Paneer/ Cheese washing cum cooling tank	50 L	1	21585
3.	Paneer/ Cheese Press single head		1	188864
4.	Vacuum Packing		1	442483
5.	Vertical cooler paneer cabinet		1	377729
SHRIKHAND SECTION				
1.	Separator/Basket centrifuge	250LPH	1	593574
2.	Shrikhand Mixing Vat	250 L	1	75546
3.	Cup Filling and Sealing Machine	25 cups per minute	1	809419
ICE CREAM SECTION				
1.	Double Jacketed Aging Vat	200L	1	269806
2.	Ice cream mix 2 stage hydraulically operated homogenizer	1450LPH	1	485652
3.	Ice cream mix pasteurizer	150LPH	1	377729
4.	Triple wall vertical tank conical top and bottom insulated Mix aging vat	100L	1	226637
5.	Choco-bar/Mango/Other flavor tank	100L		269806
6.	Choco-bar/Mango/Other flavor Dip Tank	100L	1	21585
7.	Batch freezer or Continuous freezer	100L	2	1295071
8.	Lolly pop defrosting tank	100L	1	21585
9.	Fruit Feeder		1	269806
10.	Cup cum Cone Filling machine		1	1672800
FLAVOR MILK SECTION				
1.	Intermediate dimple jacket	250 L	1	312975

	multipurpose vat			
2.	Sugar Mixing tank	250 L	1	312975
3.	Double Head Filling Machine		1	269806
4.	Shrink wrapping machine		1	161884
5.	Bottle sleeving machine		1	97130
6.	Bottle corking machine		1	97130
7.	Bottle sterilizer	24 bottles/ batch	1	161884
MEMBRANE PROCESSING SECTION				
1.	Nanofiltration Unit		1	3183716
2.	Reverse Osmosis Unit		1	2320335
3.	Ultrafiltration Unit		1	3507484

LIST OF MAJOR EQUIPMENTS (READY TO EAT)

S.No.	Machine	Capacity	Cost of each equipment (INR)
1.	Auto Papad Making Machine (Blending, Sheeting, Cutting and Drying)	15 Kg/h	2164806
2.	Auto Farsan Namkin Machine with Fryer	100 Kg/h	635697
3.	Auto Peeling Machine	50 Kg/h	20045
4.	Auto chips cutting Machine	50 Kg/h	183264
5.	Auto Heating Mixing (Khoa) Machine	30 Kg/ h	515430
6.	Semi-automatic Chakli Making Machine	40 Kg/h	996498
7.	Automatic Gulla Cutting & rounding Machine	1000Psc/ h	1543800
8.	Dosa / Vada making Machine	100 Dosas/h	1088130
9.	Hydraulic press tableting machine for RTE various veg and non-veg cakes	25Strokes/ Min	2748960
10.	Automatic Laddu making machine	1500 Pcs/h	1317210
11.	Pop Corn Machine with electrical heating system	250 gm/batch	286350
12.	Dry Extruder Processing Line	150 Kg/ Hour	\$ 44720
13.	Cheese Curl Processing Line	150 Kg/Hour	-

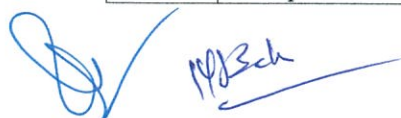
14.	Fruit/cereals/ Nutro Bar Processing Line	60 Kg/Hour	\$85800
15.	Burger Processing Line	100 Kg/Hour	6013350
16.	Multi head automatic granule packaging machine	30 Pkts/Min	3092580
17.	Liquid Packing Machine	30 Pkt/Min	1200876
18.	Dry Extruder Processing Line	150 Kg/Hour	\$ 44720

LIST OF MAJOR EQUIPMENTS AVAILABLE IN RTE SECTION:

S.No.	Machine	Capacity	Cost of each equipment (USD) Conversion rate (66.50)
1.	Vertical Mixer	200 kg/batch	\$11440
2.	Screw Conveyor	100-150 kg/h	\$ 4160
3.	Rotatory Head Extruder	120-150 kg/h	\$ 93600
4.	Continuous Fryer	100-150 kg/h	\$ 52000
5.	Vibrator Sifter	100-150 kg/h	\$ 15600
6.	Seasoner	100-150 kg/h	\$ 10400
7.	Air Puffing Machine	50-60 kg/h	\$ 31200
8.	Sugar Boiling Pot	200 L	\$ 8320
9.	Automatic Cutting and Forming Machine	200-250 kg/h	\$ 44720
10.	Packing Machine	100-150 kg/h	\$ 15600
11.	Hot Extruder	100-150 kg/h	\$ 122720
12.	Five Layer Oven	100-150 kg/h	\$ 57200
13.	Flaker	100-150 kg/h	\$ 34320
14.	Seasoning Machine	100-150 kg/h	\$ 14040
15.	Sifter	100-180 kg/h	\$ 4160

Other Equipment:

1.	Multi Head Automatic Granule Packaging Machine	30 bags/min	3092580
2.	Liquid Packaging Machine	20 Bottle/min	1200876



3.	Pop Corn Machine	250 gm/batch	286350
4.	Automatic Laddu Making Machine	1500 Laddu/h	1317210
5.	Burger Processing	100 kg/h	6013350

List of Equipments available (Meat and Poultry Processing)

S. No.	Item Description	Make	Model	Capacity	
1	Band saw ST 320 (with table)	MEDOC, SPAIN	ST 320	manual	340465.50
2	Automatic Mixer Grinder/Mixer	SEYDELMANN, GERMANY	MD 114	Approx. 1000 kg/hr at 13 mm	2735217
3	Bowl cutter	TALSA, SPAIN	K 50 E	Approx. 37 kg / batch	2691033.61
4	Hydraulic Filler, Stuffer (Vacuum)	HANDTMANN, GERMANY	VF 608 PLUS	max 300 portions / min for 25 grams or below	3037525.83
5	Link Cutters	GASER, SPAIN	L 80	manual	289212.51
6	Ham cooker	LOCAL		approx. 80 kg/batch	288717
7	Heavy Duty Automatic Slicer	SCHARFEN, GERMANY	G 330A	variable speed 58 strokes per minute max.	484123.33
8	Forming Line, Portioning Machine	DEIGHTON, UK	R 1200	1200 pcs / hr max	1250713.33
9	Injector	RUHLE, GERMANY	PR 8	approx. 500 kg/hr for whole bird or big pieces of meat	1358575.67
7	Tumbler	RUHLE, GERMANY	MPR 300	approx. 220 kg/batch	4599765.61
10	Meat skewer machine	LOCAL		Manual	201400
11	Ice Maker	SHENZHEN, CHINA	GMS-15K	approx. 1500 kg/24 hr at ambient condition	1038566.55
12	Gas Flushing Machine (MAP+Vacuum packaging machine)	RUHLE, GERMANY	VR 1 SERVO	with gas 2-3 cycles / min	2823584.44
13	Stewing, Cooking Range, Broiling, Frying, Roasting, machines/equipment	LOCAL		Approx. 5 kg or ltr / batch	1078550
14	Metal detector	LOCAL	AMD 011	22 mtr/min with 920 mm width	588300
15	Trolley stainless steel	LOCAL		N/A	49184
16	Trolley stainless steel	LOCAL		N/A	161756

17	Landing Table stainless steel	LOCAL		N/A	27931
18	Boning Table	LOCAL		N/A	55862
19	Packaging table	LOCAL		N/A	55862
20	Digital thermometer probes for temperature measurement	LOCAL	ST 9283B	manual	1351.50
21	Boning knife, Serrated knife, Sharpening steels, Scabbards, Meat hooks, Trimming hooks, Knife sterilizer	LOCAL		N/A	13246.74
22	Chiller 2 MT Capacity for Meat / Carcass (+4°C)	LOCAL		Approx. 2 MT	1388062.50
23	Cold store (-18°C)	LOCAL		Approx. 8 MT	1388062.50
24	Blast freezer (-18 to -25°C)	LOCAL		Approx. 500 kg / batch	1832242.50
25	Compressed air supply system for suitable size and capacity as per process requirement	LOCAL		9 CFM	44417.99
26	Raw and soft water supply of suitable size and capacity as required	LOCAL/Industrial scale		Approx. 250 LPH	99940.50

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