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APPLICATIONS ACROSS AGRICULTURE, DAIRY AND FISHERY



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Programme/project description

Indo German Energy Programme – Promotion of Solar Water Pumps (IGEN-PSWP)

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ABBREVIATIONS

Acronyms	Meaning
AC	Alternating Current
Ah	Amperehour
AMC	Annual Maintenance Contract
BLDC	Brush Less Direct Current
DC	Direct Current
GST	Goods and Services Tax
H.P.	Horsepower
kVA	kilovolt-Ampere
kW	kilowatt
kWh	kilowatt-hour
kWp	kilowatt-peak
PCU	Power Conditioning Unit
PMDC	Permanent Magnet Direct Current
PV	Photovoltaic
RPM	Revolutions Per Minute
VFD	Variable Frequency Drive

Assumptions:

- The solar energy system size, including panels, battery, and autonomy, provided in this report is for reference purposes only. It may vary from vendor to vendor based on the exact sizing, needs, and geography of the installation.
- The cost of the solar energy system for vendors who have not provided this information has been estimated by the project team and is indicative in nature.
- The actual cost may vary from vendor to vendor. The project team has made every effort to collect accurate information from vendors, but the details provided may still vary.
- The sizes and capacities of the products mentioned in the vendor datasheets are not exhaustive and may not represent the full range of offerings. For a complete list of offerings, please contact the vendor(s) directly.



APPLICATIONS IN
Agriculture
Sector

1. Solar Cold Storage

Supplier Database:

1. Organization Name		Airtech Cooling Processes Private Limited	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Ayush	
	Full Address	45, Type – A, H.S.I.D.C., Sector - 31, Faridabad-121003, Haryana, (India)	
	Phone number	9999472697	
	Email Id	ayush@airtechcool.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Cold Storage		
Specifications	2 - 10 MT (size is customizable as per the requirement)		
Solar energy system sizing			
Total wattage of PV array required	4 - 14kWp		
Battery capacity (Ah) with back up hours	1 x 100 - 1 x 200Ah (TSS based system), 12 - 18 hours		
Costs (₹)			
Only product	3,00,000 - 9,00,000		
Product with solar energy system without subsidy	7,00,000 - 14,00,000		
Additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra		

2. Organization Name		Ice Make Refrigeration Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Yogesh Sangwan	
	Full Address	226, Dantaki Industrial Estate, On Gota -Vadsar Road, Near Ahmedabad City, Dantali, TA. Kalol, Dist. Gandhinagar-382721, Gujarat	
	Phone number	9712938180	
	Email Id	solar@icemakeindia.com	
Operational Details	Number of states operational in	Pan India	
	Number of installations/ products sold	45	

Product Details			
Product Name	Solar Cold Storage		
Specifications	2	5	10
Solar energy system sizing			
Total wattage of PV array required (kW)	3.1	5.52	10.69
Battery capacity (Ah)	200 Ah, 24 V	200 Ah, 24 V	400 Ah, 24 V
Costs (₹)			
Product with solar energy system without subsidy	7,80,000	10,78,000	16,00,000
Any additional cost involved (such as AMC, transportation etc.)	GST on the product extra @18% ₹ 2,50,000 to 3,00,000 extra (Freight + Civil Work + Unloading + AMC for 1 year)		

3. Organization Name		Snow Cold Refrigeration	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Sambhu Raha	
	Full Address	445/CS/7, Elias Road, Agarpara, Kolkata, West Bengal – 700058	
	Phone number	9062000709	
	Email Id	sambhu.saha@snowcoldref.com	
Product Details			
Product Name	Solar Cold Storage		
Specifications	5MT (Size is customizable as per the requirement)		
Solar energy system sizing			
Total wattage of PV array required (kW)	5 - 7		
Battery capacity (Ah) with back up hours	100Ah x 2, 12 - 30 hours		
Costs (₹)			
Product with solar energy system without subsidy	12,00,000 - 14,00,000		
Any additional cost involved (such as AMC, transportation etc.)	This price is inclusive of GST Transportation, Installation, and other excluded work on actuals		

4. Organization Name		AZ Refrigeration and Air Conditioning	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Intazar Ahmed	
	Full Address	F-141, 3rd floor, Sudarshan Park, Moti Nagar, New Delhi - 110015	
	Phone number	9540308630	
	Email Id	sales@azrefrigeration.in / azsalesandservice@gmail.com	
Product Details			
Product Name	Solar Cold Storage		
Specifications	2 - 5 MT		
Solar energy system sizing			
Total wattage of PV array required (kWp)	3 - 6		
Thermal energy storage (MJ)	90 - 140		
Costs (₹)			
Product with solar energy system without subsidy	9,00,000 - 13,00,000		
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @18%		

2. Solar Rice Milling Machines (Hulling, Grading and Polishing)

Supplier Database:

1. Organization Name		Verai Industries	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Viraj	
	Full Address	Jasmat Nagar Industrial area, Behind Falcon Pump Vavdi, Rajkot - 360004, Gujarat	
	Phone number	8200404485	
	Email Id	veraiindustries00@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Rice Mill		
Specifications	Rice mill single (huller)	Rice mill combo (with huller and pulveriser)	
Power rating (H.P.)	3	3	
Processing capacity (kg/hour)	100-120	130-150	
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)		
Total wattage of PV array required (kWp)	6.7		
Battery capacity (Ah) with back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA		
Costs (₹)			
Only product	22,000	28,500	
Product with solar energy system without subsidy	7,98,000	8,04,500	
Any additional cost involved (such as AMC, transportation etc.)	Transportation, Installation and GST extra @ 18%		

2. Organization Name		K.P. Enterprises	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Kaustubh Pandit	
	Full Address	126/1A, Plot no. 2, Satpur, Shivaji Nagar, Old Datth Mandir road, Nashik, Maharashtra - 422005	
	Phone number	7400200202	
	Email Id	-	
Operational Details	Number of states operational in	Pan India	

Product Details	
Product Name	Solar Rice Mill (Huller)
Specifications	
Power rating (H.P.)	3
Processing capacity (kg/hour)	160 - 190
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)
Total wattage of PV array required (kWp)	6.7
Battery capacity (Ah) with back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA
Costs (₹)	
Only product	28,500
Product with solar energy system without subsidy	8,04,500
Any additional cost involved (such as AMC, transportation etc.)	Transportation, Installation and GST extra @ 18%

3. Organization Name	Micromill	
Organizational categorization	Manufacturer	
Contact Details	Name	Ms. Vandana Raw
	Full Address	47, Barcelona Estate S P Ring Road, Circle, Odhav, Ahmedabad, Gujarat 382415
	Phone number	74870 56644
	Email Id	micromill.1006@gmail.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Rice Mill	
Specifications		
Power rating (H.P.)	3	
Processing capacity (kg/hour)	160	
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)	
Total wattage of PV array required (kWp)	6.7	

Battery capacity (Ah) and back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5 kVA
Costs (₹)	
Only product	31,500
Product with solar energy system without subsidy	8,07,500
Any additional cost involved (such as AMC, transportation etc.)	Product cost is inclusive of transportation and installation charges and GST Extra cost on solar energy system components

4. Organization Name	M.G. Industries	
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Hitesh Goel
	Full Address	G.T. Road, Batala, Punjab - 143505
	Phone number	9872092939
	Email Id	mggroupint@gmail.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Rice Mill	
Specifications		
Power rating (H.P.)	5	
Processing capacity (kg/hour)	150	
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)	
Total wattage of PV array required (kWp)	10	
Battery capacity (Ah) and back up hours	220Ah x 10, 120V, 6 hours PCU: 12.5 kVA	
Costs (₹)		
Only product	1,10,000	
Product with solar energy system without subsidy	11,00,000 - 12,00,000	
Any additional cost involved (such as AMC, transportation etc.)	Transportation on actuals and GST extra @18%	

5. Organization Name		Vinglob Greentech Private Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Ms. Pallavi Sananse	
	Full Address	A/2, Bharat Small Industrial Estate, Vatva, Ahmedabad, Gujarat - 382440	
	Phone number	9909719721	
	Email Id	vinglobgreentech@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Rice Mill (Huller)		
Specifications			
Power rating (H.P.)	3		
Processing capacity (kg/hour)	125		
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)		
Total wattage of PV array required (kWp)	6.7		
Battery capacity (Ah) and back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5 kVA		
Costs (₹)			
Only product	26,000		
Product with solar energy system without subsidy	8,00,000 - 9,00,000		
Any additional cost involved (such as AMC, transportation etc.)	Transportation on actuals and GST extra @18%		

3. Solar Water Pump

Supplier Database:

1. Organization Name	Novergy Solar Solutions Private Limited	
Organizational categorization	Manufacturer and System Integrator	
Contact Details	Name	Mr. Pranav Giri
	Full Address	1, Navlok Navratan Complex, Bedla Road, Udaipur, Rajasthan - 313001
	Phone number	8875000733
	Email Id	mumsales@novergy.net
Operational Details	Number of states operational in	Pan India

2. Organization Name	Riya Solar	
Organizational categorization	Manufacturer and System Integrator	
Contact Details	Name	Mr. Sandeep Singh
	Full Address	SH 21, Kannauj, Uttar Pradesh 209727
	Phone number	9319596971 9453931066
	Email Id	riyasolar@gmail.com
Operational Details	Number of states operational in	Pan India

3. Organization Name	Maharishi Technology Corporation Private Limited	
Organizational categorization	System Integrator	
Contact Details	Name	Mr. Ramesh Singh Rawat
	Full Address	121, 1st Floor, DLF Galleria Mall Mayur Vihar, Phase-I, Delhi - 110 091
	Phone number	9811910122
	Email Id	thermal@maharishisolar.com
Operational Details	Number of states operational in	Pan India

4. Organization Name	Green Life Solution Private Limited	
Organizational categorization	System Integrator	
Contact Details	Name	Mr. Vikas Deshpande
	Full Address	Plot No.-36, Atrey layout, Pratap Nagar Nagpur - 440022
	Phone number	92253 32011
	Email Id	projects@greenlifesolution.in
Operational Details	Number of states operational in	Pan India

5. Organization Name	Ritudhan Solar Power	
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Dhanesh Patel
	Full Address	4/A, Milan Industrial Estate Opp. PVR Cinema Nr, Chhani Jakatnaka, Vadodara, Gujarat 390024
	Phone number	9879111390
	Email Id	ritudhansolarpower@gmail.com
Operational Details	Number of states operational in	Pan India

4. Solar Dryer

Supplier Database:

1. Organization Name		Kraftwork Solar Private Limited					
Organizational categorization	Manufacturer & System Integrator						
Contact Details	Name	Mr. K.N. Iyer					
	Full Address	29/2862, Adithya, Near Gandhi Square, Poonithura P.O, Kochi-682038					
	Phone number	7994615230					
	Email Id	info@kraftworksolar.com,projects@kraftworksolar.com					
Operational Details	Number of states operational in	Pan India					
	Number of installations/products sold	product with solar energy system	7000+				
Product Details							
Product Name	Solar dryer						
Specifications	KSD25	KSD50	KSD100	KSD250	KSD300	KSD500	KSD1000
Drying Capacity (kg)	20-25	40-50	80-100	180-240	280-320	480-540	900-1050
Dryer type (conduction/tunnel/cabinet)	Cabinet type	Cabinet type	Cabinet type	Cabinet type	Tunnel	Cabinet type	Cabinet type
Costs (₹)							
Only product	75,000	3,75,000	5,60,000	15,00,000	16,50,000	19,50,000	24,00,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals based on location						

2. Organization Name		Effimax Solar Private Limitedww					
Organizational categorization	Manufacturer & System Integrator						
Contact Details	Name	Ms. Rajalekshmi					
	Full Address	No. 1, New Shasun - PIMS road, Periyakalpet, Puducherry - 14					
	Phone number	9385791630					
	Email Id	info@effimaxsolar.in, effimaxltd@gmail.com					

Operational Details	Number of states operational in	Pan India		
	Number of installations/products sold	product with solar energy system	1200+	
Product Details				
Product Name	Solar dryer			
Specifications				
Drying capacity (kg)	30-50	60-80	90-100	Customizable larger size available based on the requirement
Dryer type (conduction/tunnel/box)	Tunnel			
Costs (₹)	41,900-62,100	73,700-94,500	1,03,200-1,12,000	Based on the size of the dryer commissioned
Additional cost involved (such as AMC, transportation etc.)	On actuals based on location <i>(Other types of dryers are also available based on the requirement)</i>			

3. Organization Name	Green Life Solution Private Limited			
Organizational categorization	Manufacturer			
Contact Details	Name	Mr. Vikas Deshpande		
	Full Address	Plot No.-36, Atrey layout, Pratap Nagar Nagpur - 440022		
	Phone number	92253 32011		
	Email Id	projects@greenlifesolution.in		
Operational Details	Number of states operational in	Pan India		
	Number of installations/products sold	1000+		
Product Details				
Product Name	Solar Dryer			
Specifications	50Kg	100Kg	250+ Kg	
Drying Capacity (kg)	45 - 55	90 - 110	240 - 260	
Solar energy system sizing				
Total wattage of PV array required (W)	N.A.	1000	1000	
Battery capacity (Ah) with back up hours	Not applicable			
Costs (₹)				
Only product	1,20,000	1,60,000	1,90,000	

Product with solar energy system without subsidy	1,20,000	1,60,000	1,90,000
Any additional cost involved (such as AMC, transportation etc.)	Transportation cost and GST extra		

4. Organization Name		Royal India Techno Projects Private Limited	
Organizational categorization	Manufacturer & System Integrator		
Contact Details	Name	Mr. Abhishek Basra	
	Full Address	RZ-95, Street 9, New Uttam Nagar, New Delhi - 110059	
	Phone number	9891450054	
	Email Id	royalindiasolar@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar dryer		
Specifications			
Drying Capacity (kg)	2.5 - 50 (customizable based on the requirement)		
Dryer type (conduction/tunnel/box)	Box type		
Costs (₹)	18,900 - 98,500		
Any additional cost involved (such as AMC, transportation etc.)	On actuals based on location and GST extra		

5. Organization Name		Aadhi Solar	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Sudarsan	
	Full Address	2-C/2, Kumaran Nagar, Opp. V.K.R. Kalyana Mandapam, Vilankurichi, Coimbatore - 641035	
	Phone number	9344456989	
	Email Id	sudarsanaadhi@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Tunnel Dryer		
Specifications	Customizable as per the requirement		
Drying capacity (kg)	50 - 150		
Drying area (ft²)	70		
Solar energy system sizing			

Total wattage of PV array required (W)	N.A.	1000	1000
Battery capacity (Ah) with back up hours	Not applicable		
Costs (₹)			
Product with solar energy system without subsidy	65,000		
Any additional cost involved (such as AMC, transportation etc.)	Transportation cost on actuals and GST extra @18%		

5. Solar Oil Expeller

Supplier Database:

1. Organization Name		Jas Enterprise	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Jigar Sheth	
	Full Address	Jas Enterprise B-326, 3rd Floor, Sumel 7, National Highway No 8, Rakhial, Ahmedabad-380023, Gujarat, India Ahmedabad Gujarat India Pin Code :- 380 023	
	Phone number	9426088680	
	Email Id	info@jasenterprise.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Oil Expeller		
Specifications			
Power rating (H.P.)	2-3		
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kWp)	5.3 - 6.7		
Battery capacity (Ah) and back up hours	150Ah x 8, 48V - 200Ah x 10, 120V, 6 hours PCU: 5 - 7.5 kVA		
Costs (₹)			
Only product	1,03,500 - 1,27,000		
Product with solar energy system without subsidy	6,23,000 - 9,03,000		
Any additional cost involved (such as AMC, transportation etc.)	Transportation, installation charges and GST extra @18%		

2. Organization Name		Gorek Technologies	
Organizational categorization	Manufacturer		
Contact Details	Name	Ms. Aarati Patel	
	Full Address	C-39, Sanskruti Industrial Estate, Beside Shell Petrol Pump, Near Diamond Nagar, Laskana, Surat-395006, Gujarat, INDIA	
	Phone number	90168 91389	
	Email Id	info@gorektech.com service@gorektech.com	

Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Oil Expeller	
Specifications		
Power rating (H.P.)	1 - 4	
Processing capacity (kg/hour)	20 - 40	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	2 - 10	
Battery capacity (Ah) and back up hours	150Ah x 4, 48V / 200Ah x 10, 120V, 6 hours PCU: 2.5 / 9.5kVA	
Costs (₹)		
Only product	80,000 - 2,20,000	
Product with solar energy system without subsidy	3,40,000 - 12,90,000	
Any additional cost involved (such as AMC, transportation etc.)	Transportation and installation charges and GST extra at 18%	

3. Organization Name	Kamdhenu Agro Machineries	
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Mahesh Hatwar
	Full Address	Plot no. 6, Near Hiwari Nagar, Wathoda road, Nagpur - 440008
	Phone number	7887864303
	Email Id	kamdhenuagromachineries@gmail.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Oil Expeller	
Power rating (H.P.)	2	5
Processing capacity (kg/hour)	15	30 - 35
Solar energy system sizing		
Total wattage of PV array required (kWp)	5.36	10

Battery capacity (Ah) and back up hours	150Ah x 8, 48V, 6hours PCU: 5kVA	220Ah x 10, 120V, 6 hours PCU: 12.5kVA
Costs (₹)		
Only product	2,19,919	3,03,323
Product with solar energy system without subsidy	7,39,919	13,73,323
Any additional cost involved (such as AMC, transportation etc.)	GST at 18% and transportation extra.	

4. Organization Name	Sonar Appliances Private Limited	
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Khem Singh Rawat
	Full Address	E77, West Vinod Nagar, Patparganj, Near Mayur Vihar Public School, New Delhi - 110092
	Phone number	9811063569
	Email Id	sonar2025@gmail.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Oil Expeller	
Specifications		
Processing capacity (kg/hour)	25-30	
Power rating (H.P.)	5	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	10	
Battery capacity (Ah) and back up hours	220Ah x 10, 120V, 6hours PCU: 12.5kVA	
Costs (₹)		
Only product	1,50,000	
Product with solar energy system without subsidy	12,00,000 - 13,00,000	
Any additional cost involved (such as AMC, transportation etc.)	Transportation and installation charges and GST extra at 18%.	

5. Organization Name		Rawat Impex
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Rawat
	Full Address	209, Premium Park Colony, Jakhya Bhawrasala, Indore, Madhya Pradesh - 452001
	Phone number	9109896828
	Email Id	info@rawatimpex.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Oil Expeller	
Specifications		
Processing capacity (kg/hour)	55 - 60	
Power rating (H.P.)	3	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	6.7	
Battery capacity (Ah) and back up hours	200Ah x 8, 96V, 6hours PCU: 7.5kVA	
Costs (₹)		
Only product	1,80,000	
Product with solar energy system without subsidy	10,00,000 - 11,00,000	
Any additional cost involved (such as AMC, transportation etc.)	Transportation and installation charges and GST extra at 18%.	

6. Solar Spice Pulveriser Machine

Supplier Database:

1. Organization Name		Jas Enterprise		
Organizational categorization	Manufacturer			
Contact Details	Name	Mr. Jigar Sheth		
	Full Address	Jas Enterprise B-326, 3rd Floor, Sumel 7, National Highway No 8, Rakhial, Ahmedabad-380023, Gujarat, India Ahmedabad Gujarat India Pin Code :- 380 023		
	Phone number	9426088680		
	Email Id	info@jasenterprise.com		
Operational Details	Number of states operational in	Pan India		
Product Details				
Product Name	Solar Spice Pulveriser			
Specifications	TW-SM-1302FL	TW-SM-1303FL	TW-SM-1305FL	
Power rating (H.P.)	2	3	5	
Processing capacity (kg/hour)	25 – 30	40 – 50	70 – 100	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>			
Total wattage of PV array required (kWp)	5.36	6.7	5	
Battery capacity (Ah) and back up hours	150Ah x 8, 48V, 6 hours PCU: 5kVA	200Ah x 8, 96V, 6 hours PCU: 7.5kVA	200Ah x 10, 120V, 6 hours PCU: 9.5/10kVA	
Costs (₹)				
Only product	81,000	97,000	1,07,000	
Product with solar energy system without subsidy	6,01,000	8,73,000	9,60,700	
Any additional cost involved (such as AMC, transportation etc.)	Transportation and installation charges and GST extra @18%			

2. Organization Name		Verai Industries	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Viraj	
	Full Address	Jasmat Nagar Industrial area, Behind Falcon Pump Vavdi, Rajkot - 360004, Gujarat	
	Phone number	8200404485	
	Email Id	veraiindustries00@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Spice Pulveriser		
Specifications			
Power rating (H.P.)	2	3	
Processing capacity (kg/hour)	12-15	20-25	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kWp)	5.36	6.7	
Battery capacity (Ah) with back up hours	150Ah x 8, 48V, 6 hours PCU: 5kVA	200Ah x 8, 96V, 6 hours PCU: 7.5kVA	
Costs (₹)			
Only product	14,000	17,000	
Product with solar energy system without subsidy	5,34,000	7,93,000	
Any additional cost involved (such as AMC, transportation etc.)	Transportation, Installation and GST extra @ 18%		

3. Organization Name		Kamdhenu Agro Machinery	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Mahesh Hatwar	
	Full Address	Plot no. 6, Near Hiwari Nagar, Wathoda road, Nagpur - 440008	
	Phone number	7887864303	
	Email Id	kamdhenuagromachineries@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Spice Pulveriser		
Specifications			

Power rating (H.P.)	3
Processing capacity (kg/hour)	60 - 80
Solar energy system sizing	
Total wattage of PV array required (kW)	6.7
Battery capacity (Ah) with back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA
Costs (₹)	
Only product	43,000
Product with solar energy system without subsidy	8,19,000
Any additional cost involved (such as AMC, transportation etc.)	Installation, Transportation and GST extra @18%

4. Organization Name		Shreedhar Industries Private Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Chetan Patel	
	Full Address	Odhav, GIDC, Ahmedabad, Gujarat - 382415	
	Phone number	9624242578	
	Email Id	shreedharsales01@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Pulveriser machine		
Specifications			
Power rating (H.P.)	2	3	
Processing capacity (kg/hour)	25	35	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kW)	5.36	6.7	
Battery capacity (Ah) with back up hours	150Ah x 8, 48V, 6 hours PCU: 5kVA	200Ah x 8, 96V, 6 hours PCU: 7.5kVA	
Costs (₹)			
Only product	27,000	36,000	
Product with solar energy system without subsidy	5,47,000	8,12,000	
Any additional cost involved (such as AMC, transportation etc.)	Installation, transportation and GST extra @18%		

5. Organization Name	Mill Power Private Limited	
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Hitesh Patel
	Full Address	B32, Arvind Industrial Estate, Nr Star Hospital, Lal Bahadur Shastri Road, Bapunagar, Ahmedabad, Gujarat 380025
	Phone number	7490007617
	Email Id	sales775.millpower@gmail.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Spice Pulveriser	
Specifications	<i>(Solar energy system is not provided by the manufacturer)</i>	
Power rating (H.P.)	2	3
Processing capacity (kg/hour)	20	30
Solar energy system sizing		
Total wattage of PV array required (kW)	5.36	6.7
Battery capacity (Ah) with back up hours	150Ah x 8, 48V, 6 hours PCU: 5kVA	200Ah x 8, 96V, 6 hours PCU: 7.5kVA
Costs (₹)		
Only product	46,500	59,500
Product with solar energy system without subsidy	5,66,500	8,35,500
Any additional cost involved (such as AMC, transportation etc.)	The product cost is inclusive of IGST @18% GST extra installation, transportation and solar energy components	

7. Solar Flour Mill

Supplier Database:

1. Organization Name		Kamdhenu Agro Machinery	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Mahesh Hatwar	
	Full Address	Plot no. 6, Near Hiwari Nagar, Wathoda road, Nagpur - 440008	
	Phone number	7887864303	
	Email Id	kamdhenuagromachineries@gmail.com	
Operational Details	Number of states operational in	Pan India	
	Number of installations/products sold	only product product with solar energy system	
Product Details			
Product Name	Flour mill (Atta chakki)		
Specifications			
Power rating (H.P.)	3		
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kW)	6.7		
Battery capacity (Ah) with back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA		
Costs (₹)			
Only product	43,000		
Product with solar energy system without subsidy	8,19,000		
Any additional cost involved (such as AMC, transportation etc.)	Installation, Transportation and GST extra @18%		

2. Organization Name		Aatomize Manufacturing Private Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Ms. Riddhi Rathod	
	Full Address	Survey No. 1/2, Plot No. 6/7, Captain Tractor Street, Padvala Road, Shapar (Veraval), Rajkot - 360024, Gujarat	
	Phone number	8511196829	
	Email Id	info@aatomize.com	

Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Flour mill (Atta chakki)	
Specifications	Creta Power (2 in 1 pulverizer)	
Power rating (H.P.)	5	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	10	
Battery capacity (Ah) with back up hours	220Ah x 10, 120V, 6 hours PCU: 12.5kVA	
Costs (₹)		
Only product	1,10,169	
Product with solar energy system without subsidy	11,80,000	
Any additional cost involved (such as AMC, transportation etc.)	Inclusive of transportation and installation charges. GST extra	

3. Organization Name	Micromill	
Organizational categorization	Manufacturer	
Contact Details	Name	Ms. Vandana Raw
	Full Address	47, Barcelona Estate S P Ring Road, Circle, Odhav, Ahmedabad, Gujarat 382415
	Phone number	74870 56644
	Email Id	micromill.1006@gmail.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Flour mill (Atta chakki)	
Specifications		
Power rating (H.P.)	5	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	10	
Battery capacity (Ah) and back up hours	220Ah x 10, 120V, 6 hours PCU: 12.5kVA	
Costs (₹)		

Only product	46,000
Product with solar energy system without subsidy	11,16,000
Any additional cost involved (such as AMC, transportation etc.)	Inclusive of transportation, installation charges and GST

4. Organization Name		Ekak Innovations Private Limited
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Shashank Misra
	Full Address	113/216-A Swaroop Nagar, Kanpur - 208002, Uttar Pradesh
	Phone number	97113 83665
	Email Id	info@ekak.in / smisra@ekak.in
Operational Details	Number of states operational in	1
Product Details		
Product Name	Flour mill (Atta chakki)	
Specifications		
Power rating (H.P.)	3	
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)	
Total wattage of PV array required (kWp)	6.7	
Battery capacity (Ah) and back up hours	200Ah x 8 , 96V, 6 hours PCU: 7.5kVA	
Costs (₹)		
Only product	48,000	
Product with solar energy system without subsidy	8,24,000	
Any additional cost involved (such as AMC, transportation etc.)	Transportation, Installation and GST extra @18%	

5. Organization Name		Mill Power Private Limited
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Hitesh Patel
	Full Address	B32, Arvind Industrial Estate, Nr Star Hospital, Lal Bahadur Shastri Road, Bapunagar, Ahmedabad, Gujarat 380025
	Phone number	7490007617
	Email Id	sales775.millpower@gmail.com

Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Flour mill (Atta chakki)		
Specifications			
Power rating (H.P.)	2	3	5
Processing capacity (kg/hour)	18	28	42
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kWp)	5.36	6.7	10
Battery capacity (Ah) with back up hours	150Ah x 8, 48V, 6 hours PCU: 5kVA	200Ah x 8, 96V, 6 hours PCU: 7.5kVA	220Ah x 10, 120 V, 6 hours PCU: 12.5kVA
Costs (₹)			
Only product	34,000	38,500	47,000
Product with solar energy system without subsidy	5,66,500	8,35,500	10,00,000
Any additional cost involved (such as AMC, transportation etc.)	The product cost is inclusive of IGST @18% GST extra installation, transportation and solar energy components		

8. Solar Refrigerators Cum Freezers

Supplier Database:

1. Organization Name		Oxyneuron - Exalta	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Yogesh Suri	
	Full Address	C-46, Sector 65, Noida - 201301	
	Phone number	9999890656	
	Email Id	yogesh@oxyneuron.com	
Product Details			
Product Name	Solar freezers		
Specifications	100 - 550 litres		
Power rating (W)	50 - 100		
Solar energy system sizing			
Total wattage of PV array required (Wp)	200 - 500		
Battery capacity (Ah)	1 x 100Ah - 2 x 100Ah, 12-24V		
Costs (₹)			
Only product	30,990 - 79,990		
Product with solar energy system without subsidy	50,000 - 1,26,990		
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra		

2. Organization Name		Murickens Group	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. George Murickens	
	Full Address	Kaduthuruthy, Murickens Building, Kottayam - 686604, Kerala, India	
	Phone number	9188323232	
	Email Id	murickens4u@gmail.com	
Product Details			
Product Name	Solar freezers		
Specifications	200 - 500 litres		
Power rating (W)	245 - 345W (A.C.)		
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kWp)	1 - 1.5		

Battery capacity (Ah) and back up hours	1 x 120Ah - 1 x 180Ah, 24/48V, 6 hours PCU: 500VA
Costs (₹)	
Only product	38,000 - 65,000
Product with solar energy system without subsidy	132,000 - 2,06,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @18%

3. Organization Name		Green Life Solution Private Limited	
Organizational categorization	System Integrator		
Contact Details	Name	Mr. Vikas Deshpande	
	Full Address	Plot No.-36, Atrey layout, Pratap Nagar Nagpur - 440022	
	Phone number	92253 32011	
	Email Id	Projects@greenlifesolution.in	
Product Details			
Product Name	Solar freezers		
Specifications	166 litres		
Power rating (W)	70 - 100		
Solar energy system sizing			
Total wattage of PV array required (Wp)	100 - 200		
Battery capacity (Ah) and back up hours	1 x 100Ah - 2 x 100Ah, 12 - 24V, 6 hours		
Costs (₹)			
Product with solar energy system without subsidy	1,20,000 - 1,50,000		
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra		

4. Organization Name		Royal India Techno Projects Private Limited	
Organizational categorization	Manufacturer & System Integrator		
Contact Details	Name	Mr. Abhishek Basra	
	Full Address	RZ-95, Street 9, New Uttam Nagar, New Delhi - 110059	
	Phone number	9891450054	
	Email Id	royalindiasolar@gmail.com	

Product Details	
Product Name	Solar freezers
Specifications	100 – 400 litres
Power rating (W)	300 – 700
Solar energy system sizing	
Total wattage of PV array required (Wp)	700 – 1800
Battery capacity (Ah) and back up hours	150Ah x 2 – 150Ah x 4, 24 – 48V, 6 hours
Costs (₹)	
Only product	Not available
Product with solar energy system without subsidy	95,000 – 2,97,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @ 18%

5. Organization Name	M/S. Mahesh Kumar and Company	
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Mahesh Rathi
	Full Address	E-7, Ground floor, Zozwala complex, Agra Road, Kalyan (W), Dist. Thane, Maharashtra – 421301
	Phone number	9322869816
	Email Id	rathimahesh1874@gmail.com
Product Details		
Product Name	Solar freezers	
Specifications	50 – 500 litres	
Power rating (W)	50 – 150	
Solar energy system sizing		
Total wattage of PV array required (Wp)	150 – 500	
Battery capacity (Ah) and back up hours	100Ah – 150Ah x 2, 12V, 6 hours 13 – 8 hours	
Costs (₹)		
Product with solar energy system without subsidy	56,400 – 1,20,300	
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @ 18%	

9. Solar Fruit Juicing and Pulping machine

Supplier Database:

1. Organization Name		Bharat Sales Corporation	
Organizational categorization	Manufacturer and Supplier		
Contact Details	Name	Mr. Sandeep Kumar Mehta	
	Full Address	45, G.B. Road, near Ajmeri gate, Delhi - 110006	
	Phone number	9711796929	
	Email Id	dms7861@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Fruit processing machine (Pulper)		
Specifications			
Power rating (H.P.)	0.5 - 1		
Processing capacity (kg/hour)	50 - 100		
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kWp)	1		
Battery capacity (Ah) and back up hours	2 x 100Ah -, 4 x 100Ah, 24/48V, 6 hours PCU: 2.5kVA		
Costs (₹)			
Only product	17,500 - 23,000		
Product with solar energy system without subsidy	2,77,500 - 2,83,000		
Any additional cost involved (such as AMC, transportation etc.)	Transportation and installation charges and GST extra		

2. Organization Name		Anjoplus Machines	
Organizational categorization	Manufacturer		
Contact Details	Name	Ms. Madhavi D.V.	
	Full Address	MIT Industrial Estate, Unit no. 1, Chinchpada Agarwal road, Village - Gokhivare, Vasai, Palghar, Maharashtra - 401208	
	Phone number	7757992321/9881136777	
	Email Id	anjoplusmachines@fruitprocessing.co.in	
Operational Details	Number of states operational in	Pan India	

Product Details			
Product Name	Fruit processing machine – Crushing/Juicing/Pulping		
Specifications			
Function	Crushing	Single and Double stage pulper	Juicer
Processing Capacity (kg/hour)	150 – 200		
Power rating (H.P.)	3	2	2
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kWp)	6.7	5.36	
Battery capacity (Ah) and back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA	150Ah x 8, 48V, 6 hours PCU: 5kVA	
Costs (₹)			
Only product	2,85,000	4,85,000	3,35,000
Product with solar energy system without subsidy	10,61,000	10,00,000	8,55,000
Any additional cost involved (such as AMC, transportation etc.)	Transportation, installation charges and GST extra		

3. Organization Name	Isha Food Processing Machinery		
Organizational categorization	Manufacturer		
Contact Details	Name	--	
	Full Address	Karan Vihar, Phase 3, North West Delhi – 110086	
	Phone number	9811539248	
	Email Id	ishafoodprocessing@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Fruit processing machine – pulper		
Specifications			
Power rating (H.P.)	1 – 3		
Processing capacity (kg/hour)	100 – 600		
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kWp)	2 – 6.70		

Battery capacity (Ah) and back up hours	150Ah x 4, 48V - 200Ah x 8, 96V, 6 hours PCU: 2.5 - 5kVA
Costs (₹)	
Only product	48,500 - 1,20,000
Product with solar energy system without subsidy	3,08,500 - 6,40,000
Any additional cost involved (such as AMC, transportation etc.)	Transportation and installation charges and GST extra @18%

4. Organization Name		Capital Industries
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Chhatrapalsinh Zala
	Full Address	8, Omkar Estate, Opp.Mahadev Estate Part 6, Near Ramol Police station, Ahmedabad, Gujarat - 382449
	Phone number	9737588605
	Email Id	raturajsinh@capitalindustries.co.in
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Fruit processing machine (juicing and pulping)	
Specifications		
Power rating (H.P.)	1 - 2 (1-phase motor)	
Processing capacity (kg/hour)	50 - 500	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	2 - 5.36	
Battery capacity (Ah) and back up hours	150Ah x 4, 48V - 150Ah x 8, 48V, 6 hours PCU: 2.5 - 5kVA	
Costs (₹)		
Only product	46,000 - 70,000	
Product with solar energy system without subsidy	3,06,000 - 5,90,000	
Any additional cost involved (such as AMC, transportation etc.)	Transportation and installation charges and GST extra @18%	

5. Organization Name		Mehta Kitchen Equipments	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Ishan Mehta	
	Full Address	M-2177, Street no. 13, Shastri Nagar, Delhi - 110052	
	Phone number	9999264488	
	Email Id	mehtakitchenequipments@yahoo.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Fruit processing machine (juicing and pulping)		
Specifications			
Power rating (H.P.)	1 - 2 (1 phase motor)		
Processing capacity (kg/hour)	300 - 1000		
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kWp)	2 - 5.36		
Battery capacity (Ah) and back up hours	150Ah x 4, 48V - 150Ah x 8, 48V, 6 hours PCU: 2.5 - 5kVA		
Costs (₹)			
Only product	25,500 - 38,500		
Product with solar energy system without subsidy	2,88,500 - 5,58,500		
Any additional cost involved (such as AMC, transportation etc.)	Transportation and installation charges and GST extra @18%		

10. Solar Millet Processing Unit

Supplier Database:

1. Organization Name		Transform Technologies	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Peter Bakos	
	Full Address	24-8, G.N. Puram, Ponduru, Srikakulam, Andhra Pradesh, 532168	
	Phone number	6305394207	
	Email Id	transformtech@gmail.com	
Operational Details	Number of states operational in	1 (open to Pan India supply)	
Product Details			
Product Name	Solar Millet Processing Unit		
Specifications	Model 1.- Mobile Multi-deck Grader	Model 2.- Modular Huller	Model 3. Destoner with aspirator and fines collection chute
Power rating (H.P.)	0.5	1	2
Processing capacity (kg/hour)	800 - 1000	250 - 300	300 - 350
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kWp)	1.5	2	5
Battery capacity (Ah) with back up hours	8 x 150Ah, 24V, 6 hours PCU: 1kVA	150Ah x 10, 48V, 6 hours PCU: 2.5kVA	150Ah x 8, 48V, 6 hours PCU: 5kVA
Costs (₹)			
Only product	1,10,000	2,00,000	1,25,000
Product with solar energy system without subsidy	3,10,000	4,60,000	6,45,000
Any additional cost involved (such as AMC, transportation etc.)	AMC@ 10% Annual, transport, installation and operations training extra GST @ 18% extra		

2. Organization Name		Kamdhenu Agro Machinery	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Mahesh Hatwar	
	Full Address	Plot no. 6, Near Hiwari Nagar, Wathoda road, Nagpur - 440008	
	Phone number	7887864303	
	Email Id	kamdhenuagromachineries@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Millet Processing Unit (Pulveriser)		
Specifications			
Power rating (H.P.)	3		
Processing capacity (kg/hour)	60 - 80		
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)		
Total wattage of PV array required (kWp)	6.7		
Battery capacity (Ah) with back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA		
Costs (₹)			
Only product	43,000		
Product with solar energy system without subsidy	8,19,000		
Any additional cost involved (such as AMC, transportation etc.)	Installation, Transportation and GST extra @18%		

3. Organization Name		Mill Power Private Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Hitesh Patel	
	Full Address	B32, Arvind Industrial Estate, Nr Star Hospital, Lal Bahadur Shastri Road, Bapunagar, Ahmedabad, Gujarat 380025	
	Phone number	7490007617	
	Email Id	sales775.millpower@gmail.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Millet Processing Unit (pulveriser)		
Specifications			

Power rating (H.P.)	2	3
Processing capacity (kg/hour)	18	28
Solar energy system sizing		
Total wattage of PV array required (kWp)	5.36	6.7
Battery capacity (Ah) with back up hours	150Ah x 8, 48V, 6 hours PCU: 5kVA	200Ah x 8, 96V, 6 hours PCU: 7.5kVA
Costs (₹)		
Only product	34,000	38,500
Product with solar energy system without subsidy	5,66,500	8,35,500
Any additional cost involved (such as AMC, transportation etc.)	The product cost is inclusive of IGST @18% GST extra installation, transportation, and solar energy components.	

4. Organization Name	Agrosaw	
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Aseem Bhatnagar
	Full Address	P.O. Bag 5, Agrosaw Complex, Jagadari road, Ambala Cantt, Haryana - 133001
	Phone number	7056700756
	Email Id	agrosaw@agrosaw.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Millet Processing Unit (Grader)	
Specifications		
Power rating (H.P.)	2	
Processing capacity (kg/hour)	150	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	5.36	
Battery capacity (Ah) with back up hours	150Ah x 8, 48V, 6 hours PCU: 5kVA	
Costs (₹)		
Only product	1,90,000	
Product with solar energy system without subsidy	7,10,000	
Any additional cost involved (such as AMC, transportation etc.)	AMC@ 10% Annual + Transport, and installation, operations training GST @ 18% extra	

5. Organization Name	Perfura Technologies India Private Limited	
Organizational categorization	Manufacturer	
Contact Details	Name	Ms. Priyanka
	Full Address	7, Maruthamalai Gounder Layout, Ramakrishnapuram, Ganapathy, Coimbatore, Tamil Nadu - 641006
	Phone number	9894850009
	Email Id	admin@perfura.in
Product Details		
Product Name	Solar Millet Processing Unit (De-husking)	
Specifications		
Power rating (H.P.)	3	
Processing capacity (kg/hour)	100	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	6.7	
Battery capacity (Ah) with back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA	
Costs		
Only product	91,950	
Product with solar energy system without subsidy	8,67,000	
Any additional cost involved (such as AMC, transportation etc.)	Transport, and installation extra GST @ 18% extra	

11. Solar Dal Processing Unit

Supplier Database:

1. Organization Name		Perfura Technologies India Private Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Ms. Priyanka	
	Full Address	7, Maruthamalai Gounder Layout, Ramakrishnapuram, Ganapathy, Coimbatore, Tamil Nadu - 641006	
	Phone number	9894850009	
	Email Id	admin@perfura.in	
Product Details			
Product Name	Solar Dal mill		
Specifications	<i>(Solar energy system is not provided by the manufacturer)</i>		
Power rating (H.P.)	3		
Processing capacity (kg/hour)	150		
Solar energy system sizing			
Total wattage of PV array required (kWp)	6.7		
Battery capacity (Ah) and back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA		
Costs (₹)			
Only product	1,52,950		
Product with solar energy system without subsidy	9,28,000		
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra		

2. Organization Name		Rawat Impex	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Rawat	
	Full Address	209, Premium Park Colony, Jakhya Bhawrasala, Indore, Madhya Pradesh - 452001	
	Phone number	9109896828	
	Email Id	info@rawatimpex.com	
Product Details			

Product Name	Solar Dal mill
Specifications	<i>(Solar energy system is not provided by the manufacturer)</i>
Power rating (H.P.)	3
Processing capacity (kg/hour)	200
Solar energy system sizing	
Total wattage of PV array required (kWp)	6.7
Battery capacity (Ah) and back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA
Costs (₹)	
Only product	25,000
Product with solar energy system without subsidy	10,00,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra

3. Organization Name	A.K. Engineering	
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Nitin
	Full Address	M.I.D.C, No. 04, Plot No. 23/2 AGC, Akola, Maharashtra
	Phone number	94049 60277
	Email Id	akengineeringakola@gmail.com
Product Details		
Product Name	Solar Dal mill	
Specifications	<i>(Solar energy system is not provided by the manufacturer)</i>	
Power rating (H.P.)	3	
Processing capacity (kg/hour)	200	
Solar energy system sizing		
Total wattage of PV array required (kWp)	6.7	
Battery capacity (Ah) and back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA	
Costs (₹)		
Only product	1,12,000	
Product with solar energy system without subsidy	9,00,000 - 10,00,000	
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra	

4. Organization Name		Osaw Industrial Products Private Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Arvind Singh	
	Full Address	42, Osaw Complex, Jagadhri road, Ambala Cantt. 133001, Haryana	
	Phone number	9813010687	
	Email Id	delhi1@indosaw.com	
Product Details			
Product Name	Solar Dal mill		
Specifications	<i>(Solar energy system is not provided by the manufacturer)</i>		
Power rating (H.P.)	3		
Processing capacity (kg/hour)	200		
Solar energy system sizing			
Total wattage of PV array required (kWp)	6.7		
Battery capacity (Ah) and back up hours	200Ah x 8, 96V, 6 hours PCU: 7.5kVA		
Costs (₹)			
Only product	1,50,000		
Product with solar energy system without subsidy	9,00,000 - 10,00,000		
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra		

5. Organization Name		Jas Enterprise	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Jigar Sheth	
	Full Address	Jas Enterprise B-326, 3rd Floor, Sumel 7, National Highway No 8, Rakhial, Ahmedabad-380023, Gujarat, India Ahmedabad Gujarat India Pin Code - 380 023	
	Phone number	9426088680	
	Email Id	info@jasenterprise.com	
Operational Details	Pan India		
Product Details			
Product Name	Solar Dal mill		
Specifications			

Power rating (H.P.)	2	5
Processing capacity (kg/hour)	60 - 120	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	5.36	10
Battery capacity (Ah) and back up hours	150Ah x 8, 48V, 6 hours PCU: 5kVA	220Ah x 10, 120V, 6 hours PCU: 12.5kVA
Costs (₹)		
Only product	1,70,500	2,75,000
Product with solar energy system without subsidy	6,75,000 - 7,50,000	14,50,000 - 15,00,000
Any additional cost involved (such as AMC, transportation etc.)	Transportation and installation charges and GST extra @18%	

12. Solar Cotton Weaving Machine

Supplier Database:

1. Organization Name	Maulana Engineering Private Limited	
Organizational categorization	Manufacturer and System Integrator	
Contact Details	Name	Mr. Mohammed Ahsan
	Full Address	Sulempur, Tanda, Ambedkarnagar, Uttar Pradesh - 224190
	Phone number	7355552372 / 8174000825
	Email Id	engineering.maulana@gmail.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Power Loom	
Specifications		
Loom size (inch)	40 - 64	
Power rating (H.P.)	1.5 - 4	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	2 - 10	
Battery capacity (Ah) with back up hours	150Ah x 8, 48V - 200Ah x 10, 6 hours PCU: 2.5 - 12.5kVA	
Costs (₹)		
Only product	1,05,000 - 1,50,000	
Product with solar energy system without subsidy	6,00,000 - 13,00,000	
Any additional cost involved (such as AMC, transportation etc.)	Fitting, transportation extra and GST extra @18%	



APPLICATIONS IN
Dairy Sector

13. Solar Milking Machine

Supplier Database:

1. Organization Name		Ksheera Enterprises		
Organizational categorization	Manufacturer and System Integrator			
Contact Details	Name	Mr. Kusumadhara K.		
	Full Address	Murulya post & Village Sullia Taluk Dakshina Kannada district, Karnataka- 574328		
	Phone number	9994210295/9902247500		
	Email Id	raghavagowda@yahoo.com		
Operational Details	Number of states operational in	8		
	Number of installations/ products sold	only product	4500	
product with solar energy system		508		
Product Details				
Product Name	Solar milking machine			
Specifications	12V DC Sigle cluster (one animal at a time)	24V DC Double cluster (two animal at a time)	220V AC Single cluster (one animal at a time)	24V AC Double cluster (two animal at a time)
Power rating (H.P.)	0.2	0.25	0.2	0.25
Solar energy system sizing				
Total wattage of PV array required	150	320	150	320
Battery capacity (Ah)	100Ah x 1	80Ah x2	100Ah x 1	80Ah x2
Costs (₹)				
Only product	36,000	48,000	36,000	48,000
Product with solar energy system without subsidy	68,000	90,000	75,000	98,000
Any additional cost involved (such as AMC, transportation etc.)	on actuals	on actuals	on actuals	on actuals

2. Organization Name		Sumangalam Industries Private Limited		
Organizational categorization	Manufacturer and System Integrator			
Contact Details	Name	Mr. Jitendra		
	Full Address	Plot no. 4/42, Site 4, Industrial area, Sahibabad, Ghaziabad, U.P. - 201010		
	Phone number	9899257253		
	Email Id	jitender07.dfsi@gmail.com		
Operational Details	Number of states operational in	Pan India		
Product Details				
Product Name	Solar milking machine			
Specifications	Single bucket fixed type	Single bucket portable	Double bucket fixed type	
Power rating (H.P.)	1	0.5	1	
Solar energy system sizing				
Total wattage of PV array required	540 Wp x 2	540 Wp x 1	540 Wp x 2	
Battery capacity (Ah) with back up hours	100 Ah x 4, 12V, 6 hours	100 Ah x 2, 6 hours	100 Ah x 4, 12V, 6 hours	
Costs (₹)				
Only product	35,670	27,060	50,840	
Product with solar energy system without subsidy	1,29,670	74,060	1,44,840	
Any additional cost involved (such as AMC, transportation etc.)	Extra as per location and 18% GST extra			

3. Organization Name		Krishna Defence and Allied Industries Limited		
Organizational categorization	Manufacturer			
Contact Details	Name	Mr. Sandeep Kadam		
	Full Address	503 A, GIDC, Halol, Dist. Panchmahal (Gujarat)		
	Phone number	+919898663048		
	Email Id	sandeep@krishnaallied.com		
Operational Details	Number of states operational in	28		
	Number of installations/products sold	only product	Over 6000	
Product Details				
Product Name	Solar milking machine			
Specifications	Model 1	Model 2	Model 3	
Power rating (H.P.)	1	2	5	
Solar energy system sizing				

Total wattage of PV array required	540 Wp x 1	540 Wp x 2	540 Wp x 5
Battery capacity (Ah) with back up hours	120 Ah x 2	200 Ah x 2	200 Ah x 5
Costs (₹)			
Only product	₹ 55,000	₹ 70,000	₹ 2,65,000
Product with solar energy system without subsidy	₹ 1,55,000	₹ 1,90,000	₹ 4,95,000
Any additional cost involved (such as AMC, transportation etc.)	Extra as per location and 18% GST extra		

4. Organization Name	Gemak Engineering Solutions		
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Atul Pratap	
	Full Address	Plot No. F-721, Phase 1, Industrial Area, UPSIDC, MG Road, Ghaziabad, UP - 201015	
	Phone number	95280 22990	
	Email Id	atul@gemak.co.in	
Product Details			
Product Name	Solar milking machine		
Specifications			
Power rating (H.P.)	0.5		
Solar energy system sizing			
Total wattage of PV array required (kWp)	1		
Battery capacity (Ah) with back up hours	150Ah x 4, 24V, 6 hours PCU: 1kVA		
Costs (₹)			
Only product	24,000		
Product with solar energy system without subsidy	1,64,000		
Any additional cost involved (such as AMC, transportation etc.)	Extra as per location and 18% GST extra		

5. Organization Name	DM Enterprises	
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Manish Dutt Sharma
	Full Address	Shed No. 5a, Phase 2, Nearby Valmiki Chowk, Mangolpuri, Delhi-110083, India
	Phone number	9868335042
	Email Id	dm.enterprises.cs@gmail.com
Product Details		
Product Name	Solar milking machine	
Specifications	<i>(Solar energy system is not provided by the manufacturer)</i>	
Power rating (H.P.)	1	
Solar energy system sizing		
Total wattage of PV array required (kWp)	2	
Battery capacity (Ah) with back up hours	150Ah x 4, 48V, 6 hours PCU: 2.5kVA	
Costs (₹)		
Only product	36,000	
Product with solar energy system without subsidy	3,00,000	
Any additional cost involved (such as AMC, transportation etc.)	Extra as per location and 18% GST extra	

14. Solar Bulk Milk Chiller

Supplier Database:

1. Organization Name		Krishna Defence and Allied Industries Limited		
Organizational categorization	Manufacturer and System Integrator			
Contact Details	Name	Sandeep Kadam		
	Full Address	503 A, GIDC, Halol, Dist. - Panchmahal (Gujarat)		
	Phone number	+919898663048		
	Email Id	sandeep@krishnaallied.com		
Operational Details	Number of states operational in	28		
	Number of installations/ products sold	only product	1200+	
product with solar energy system		10		
Product Details				
Product Name	Solar Bulk Milk Chiller			
Specifications	500 litres	1000 litres	2000 litres	
Power rating (H.P.)	2.25	3	6	
Solar energy system sizing	6 kW	10 kW	15kW	
Total wattage of PV array required	540 Wp x 12	540 Wp x 20	540 Wp x 30	
Battery capacity (Ah)	200Ah x 6, 12V	200Ah x 8, 12V	200Ah x 12, 12V	
Costs (₹)				
Only product	6,00,000	7,50,000	9,00,000	
Product with solar energy system without subsidy	9,61,000	13,25,000	16,60,000	
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra			

2. Organization Name		Gemak Engineering Solutions		
Organizational categorization	Manufacturer and System Integrator			
Contact Details	Name	Mr. Atul Pratap		
	Full Address	Plot No. F-721, Phase 1, Industrial Area, UPSIDC, MG Road, Ghaziabad, UP - 201015		
	Phone number	95280 22990		
	Email Id	atul@gemak.co.in		
Product Details				
Product Name	Solar Bulk Milk Chiller			

Specifications		
Processing capacity (litres)	250	1000
Power rating (H.P.)	0.75	3
Solar energy system sizing		
Total wattage of PV array required (kWp)	2	6.7
Battery capacity (Ah) with back up hours	150Ah x 4, 48V, 6 hours PCU: 2.5kVA	200Ah x 8, 96V, 6 hours PCU: 7.5kVA
Costs (₹)		
Only product	1,07,000	2,12,000
Product with solar energy system without subsidy	3,67,000	9,88,000
Any additional cost involved (such as AMC, transportation etc.)	GST and charges extra based on location	

3. Organization Name		AZ Refrigeration and Air Conditioning	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Intazar Ahmed	
	Full Address	F-141, 3rd floor, Sudarshan Park, Moti Nagar, New Delhi - 110015	
	Phone number	9540308630	
	Email Id	sales@azrefrigeration.in azsalesandservice@gmail.com	
Product Details			
Product Name	Solar Bulk Milk Chiller		
Specifications			
Processing capacity (litres)	500		
Power rating (H.P.)	2 - 3		
Solar energy system sizing			
Total wattage of PV array required (kWp)	2		
Costs (₹)			
Product with solar energy system without subsidy	4,50,000		
Any additional cost involved (such as AMC, transportation etc.)	Extra as per location and AMC need		

4. Organization Name		Uniko Industries	
Organizational categorization	Manufacturer		
Contact Details	Name	Ms. Simranjeet Kaur	
	Full Address	Plot no. 25, Hastal Industrial Area, Uttam nagar, New Delhi - 110059	
	Phone number	9555221528	
	Email Id	industriesuniko@gmail.com	
Product Details			
Product Name	Solar Bulk Milk Chiller		
Specifications			
Processing capacity (litres)	250	1000	
Power rating (H.P.)	1	5	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>		
Total wattage of PV array required (kWp)	2	10	
Battery capacity (Ah) with back up hours	150Ah x 4, 48V, 6 hours PCU: 2.5kVA	220Ah x 10, 120V, 6 hours PCU: 12.5kVA	
Costs (₹)			
Only product without subsidy	95,000	1,68,000	
Product with solar energy system without subsidy	3,55,000	12,38,000	
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @18%		

5. Organization Name		Sri Brothers Enterprises	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Sonu	
	Full Address	310, Sarai Rehman Bhora Syed Sitara school street, Aligarh, Uttar Pradesh - 202001	
	Phone number	72172 55226	
	Email Id	sribrothers6432@gmail.com sribrothers@sribrothersenterprises.com	
Product Details			
Product Name	Solar Bulk Milk Chiller		
Specifications			

Processing capacity (litres)	500	1000
Power rating (H.P.)	3	5
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer)</i>	
Total wattage of PV array required (kWp)	5	10
Battery capacity (Ah) with back up hours	200Ah x 8, 96V, 6 hours PCU:7.5kVA	220Ah x 10, 120V, 6 hours PCU: 12.5kVA
Costs (₹)		
Only product without subsidy	1,20,000	2,25,000
Product with solar energy system without subsidy	9,00,000 - 10,00,000	13,00,000 - 15,00,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @18%	

15. Solar Milk Cream Separator

Supplier Database:

1. Organization Name		Hindustan Thermostatics	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Jatinder	
	Full Address	Office 5, HSIIDC, Industrial estate, Ambala Cantt, Haryana - 133006	
	Phone number	7496964972	
	Email Id	ro972@ht-india.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Cream separator		
Specifications			
Power rating (H.P.)	0.25		
Processing capacity (litres/batch)	65 litres	165 litres	300 litres
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer, fuel for heating will be required)</i>		
Total wattage of PV array required (kWp)	0.25		
Battery capacity (Ah) with back up hours	100Ah x 2, 6 hours PCU: 500VA		
Costs (₹)			
Only product	19,000	30,000	40,000
Product with solar energy system without subsidy	1,49,000	1,60,000	1,70,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra		

2. Organization Name		Varsha Dairy and Food Engineers	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Ms. Dhanashri	
	Full Address	Block no. J3/1, opposite Gokul Dudh Sangh, MIDC, Gokul Shiragaon, Kolhapur - 416234, Maharashtra	
	Phone number	9923047474	
	Email Id	sales@varshaengineers.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Cream separator		
Specifications			
Power rating (H.P.)	0.25		
Processing capacity (litres/hour)	165 - 500		
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer, fuel for heating will be required)</i>		
Total wattage of PV array required (kWp)	0.25		
Battery capacity (Ah) with back up hours	100Ah x 2, 6 hours PCU: 500VA		
Costs (₹)			
Only product	25,000 - 65,000		
Product with solar energy system without subsidy	1,55,000 - 1,95,000		
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra		

3. Organization Name		Chadha Sales Private Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Ms. Jaswinder Kaur	
	Full Address	137-139, Rajendra Market, Tis Hazari, Delhi - 110054	
	Phone number	98111 27928	
	Email Id	jasvinder@chadhasales.com	
Product Details			
Product Name	Solar Cream separator		
Specifications	65 litres		

Processing Capacity (litres/hour)	60 - 325
Power rating (H.P.)	0.16 - 0.25
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer, fuel for heating will be required)</i>
Total wattage of PV array required (kWp)	0.25
Battery capacity (Ah) with back up hours	100Ah x 2, 6 hours PCU: 500VA
Costs (₹)	
Only product	16,000 - 35,000
Product with solar energy system without subsidy	1,46,000 - 1,65,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @18%

4. Organization Name		New Dairy Engineering and Trading Company Private Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Sumit Das	
	Full Address	A-1, Second floor, Khasra No. 7/21/21, Village - Tilangpur, Kotla, Nangloi, West Delhi - 110041	
	Phone number	8287841526	
	Email Id	netcoadmin1@gmail.com	
Product Details			
Product Name	Solar Cream separator		
Specifications			
Processing capacity (litres/hour)	60 - 165		
Power rating (H.P.)	0.12 - 0.25		
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer, fuel for heating will be required)</i>		
Total wattage of PV array required (kWp)	0.25		
Battery capacity (Ah) with back up hours	100Ah x 2, 6 hours PCU: 500VA		
Costs (₹)			
Only product	8,600 - 19,500		
Product with solar energy system without subsidy	1,39,000 - 1,50,000		
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @18%		

5. Organization Name		DM Enterprises
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Manish Dutt Sharma
	Full Address	Shed No. 5a, Phase 2, Nearby Valmiki Chowk, Mangolpuri, Delhi-110083, India
	Phone number	9868335042
	Email Id	dm.enterprises.cs@gmail.com
Product Details		
Product Name	Solar Cream separator	
Specifications		
Processing Capacity (litres/hour)	60 - 165	
Power rating (H.P.)	0.12 - 0.25	
Solar energy system sizing	<i>(Solar energy system is not provided by the manufacturer, fuel for heating will be required)</i>	
Total wattage of PV array required (kWp)	0.25	
Battery capacity (Ah) with back up hours	100Ah x 2, 6 hours PCU: 500VA	
Costs (₹)		
Only product	7,500 - 13,500	
Product with solar energy system without subsidy	1,38,000 - 1,45,000	
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @18%	

16. Solar Khoya Making Machine

Supplier Database:

1. Organization Name		Gemak Engineering Solutions	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Atul Pratap	
	Full Address	Plot No. F-721, Phase 1, Industrial Area, UPSIDC, MG Road, Ghaziabad, UP - 201015	
	Phone number	95280 22990	
	Email Id	atul@gemak.co.in	
Product Details			
Product Name	Solar Khoya Making machine		
Specifications			
Processing capacity (litres/batch)	40		
Power rating (H.P.)	1		
Solar energy system sizing			
Total wattage of PV array required (kWp)	2		
Battery capacity (Ah) with back up hours	150Ah x 8, 48V, 6 hours PCU: 2.5kVA		
Costs (₹)			
Only product	65,000		
Product with solar energy system without subsidy	3,25,000		
Any additional cost involved (such as AMC, transportation etc.)	On actuals and 18% GST extra		

2. Organization Name		Hindustan Thermostatics	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Jatinder	
	Full Address	Office 5, HSIIDC, Industrial estate, Ambala Cantt, Haryana - 133006	
	Phone number	7496964972	
	Email Id	ro972@ht-india.com	
Operational Details	Number of states operational in	Pan India	
Product Details			

Product Name	Solar Khoya Making machine		
Specifications			
Power rating (H.P.)	1.25		
Processing capacity (litres/batch)	120	180	250
Solar energy system sizing	(Solar energy system is not provided by the manufacturer, fuel for heating will be required)		
Total wattage of PV array required (kWp)	2		
Battery capacity (Ah) with back up hours	150Ah x 4, 48V, 6 hours PCU: 2.5kVA		
Costs (₹)			
Only product	66,600	84,600	1,08,600
Product with solar energy system without subsidy	3,26,000	3,44,000	3,68,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra		

3. Organization Name Verai Industries		
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Viraj
	Full Address	Jasmat Nagar Industrial area, Behind Falcon Pump Vavdi, Rajkot - 360004, Gujarat
	Phone number	8200404485
	Email Id	veraiindustries00@gmail.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Khoya Making machine	
Specifications		
Power rating (H.P.)	0.5	
Processing capacity (litres/batch)	120 (gas model)	
Solar energy system sizing	(Solar energy system is not provided by the manufacturer, fuel for heating will be required)	
Total wattage of PV array required (kWp)	1	
Battery capacity (Ah) with back up hours	150Ah x 8, 48V, 6 hours	

Costs (₹)	
Only product	80,000
Product with solar energy system without subsidy	2,47,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals and 18% GST extra

4. Organization Name Jas Enterprise		
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Jigar Sheth
	Full Address	Jas Enterprise B-326, 3rd Floor, Sumel 7, National Highway No 8, Rakhial, Ahmedabad-380023, Gujarat, India Ahmedabad Gujarat India Pin Code :- 380 023
	Phone number	9426088680
	Email Id	info@jasenterprise.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Khoya Making machine	
Specifications		
Processing capacity (litres/hour)	55 - 300	
Power rating (H.P.)	0.5 - 1.25	
Solar energy system sizing	(Solar energy system is not provided by the manufacturer, fuel for heating will be required)	
Total wattage of PV array required (kWp)	2	
Battery capacity (Ah) with back up hours	150Ah x 8, 48V, 6 hours PCU: 2.5kVA	
Costs (₹)		
Only product	70,500 - 2,15,000	
Product with solar energy system without subsidy	3,33,000 - 4,75,000	
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra	

5. Organization Name		DM Enterprises	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Manish Dutt Sharma	
	Full Address	Shed No. 5a, Phase 2, Nearby Valmiki Chowk, Mangolpuri, Delhi-110083, India	
	Phone number	9868335042	
	Email Id	dm.enterprises.cs@gmail.com	
Product Details			
Product Name	Solar Khoya Making machine		
Specifications			
Processing capacity (litres/hour)	120		
Power rating (H.P.)	1		
Solar energy system sizing	(Solar energy system is not provided by the manufacturer, fuel for heating will be required)		
Total wattage of PV array required (kWp)	2		
Battery capacity (Ah) with back up hours	150Ah x 4, 48V, 6 hours PCU: 2.5kVA		
Costs (₹)			
Only product	55,000		
Product with solar energy system without subsidy	3,10,000		
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @18%		



APPLICATIONS IN
Fishery
Sector

17. Solar Water Aerator

Supplier Database:

1. Organization Name		Sagar Aquaculture Private Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Ms. Harmisha	
	Full Address	Plot no. 1, Survey no. 1084, Ardoi-Kotda Sangani road, Village: Ardoi, Rajkot, Gujarat - 360030	
	Phone number	9909978000	
	Email Id	info@sagaraquaculture.com	
Operational Details	Number of states operational in	Pan India	
Product Details			
Product Name	Solar Water aerator		
Specifications			
Power rating (H.P.)	1	2	
Motor type	1 phase		
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)		
Total wattage of PV array required (kWp)	2	5.36	
Battery capacity (Ah) with back up hours	150Ah x 4, 48V, 6 hours PCU: 2.5kVA	150Ah x 8, 48V, 6 hours PCU: 5kVA	
Costs (₹)			
Only product	27,500	35,000	
Product with solar energy system without subsidy	2,87,500	5,55,000	
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra		

2. Organization Name		Sri Shiv Aqua Products	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Venkataraman Reddy	
	Full Address	Shop no. 3, Sai Complex, (near Chillakur police station), NH5 Bypass, Gudur - 524101, Andhra Pradesh	
	Phone number	9444023649	
	Email Id	kuppareddyvenkataraman@yahoo.in	
Operational Details	Number of states operational in	Pan India	

Product Details		
Product Name	Solar Water aerator	
Specifications		
Power rating (H.P.)	1	2
Motor type	1 phase	
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)	
Total wattage of PV array required (kWp)	2	5.36
Battery capacity (Ah) with back up hours	150Ah x 4, 48V, 6 hours PCU: 2.5kVA	150Ah x 8, 48V, 6 hours PCU: 5kVA
Costs (₹)		
Only product	18,750 - 25,000	23,000
Product with solar energy system without subsidy	2,80,000 - 3,00,000	5,43,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra	

3. Organization Name		
SRR Aqua Suppliers		
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Ramakrishna
	Full Address	Plot no. 134, St. No. 17, Prashasan Nagar, Road no. 72, Jubilee Hills, Hyderabad - 500034
	Phone number	8008000249
	Email Id	srraquasuppliers@gmail.com
Operational Details	Number of states operational in	Pan India
Product Details		
Product Name	Solar Water aerator	
Specifications		
Power rating (H.P.)	2 (4 paddle)	
Motor type	1 phase	
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)	
Total wattage of PV array required (kWp)	5.36	
Battery capacity (Ah) with back up hours	150Ah x 8, 48V, 6 hours PCU: 5kVA	

Costs (₹)	
Only product	31,980
Product with solar energy system without subsidy	5,50,000
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra

4. Organization Name		BIKALPASHAKTI INDUSTRIES PRIVATE LIMITED
Organizational categorization	Manufacturer/System Integrator	
Contact Details	Name	BIKALPASHAKTI INDUSTRIES Private LIMITED
	Full Address	Near Khaira Bridge, Imam Nagar, Jagatpur, Cuttack, ODISHA, 754200
	Phone number	9437306514 / 6370575150
	Email Id	info@bikalpashakti.com
Operational Details	Number of states operational in	Odisha
Product Details		
Product Name	Solar water aerator	
Specifications		
Power rating (H.P.)	1	
Motor type (BLDC/PMDC) and operating voltage	BLDC	
Type of aerator (paddle/diffuser/impeller)	Paddle Wheel / Diffuser	
Oxygenation rate (kg/hour)	1.8 - 4.5	
Aerator RPM	105	
Total wattage of PV array required (Wp)	900	
Battery capacity (Ah) with back up hours	Not applicable	
Costs (₹)		
Product with solar energy system	98,000	
Any additional cost involved (such as AMC, transportation etc.)	12,000/year	

5. Organization Name	DAPL AGRI Products	
Organizational categorization	Manufacturer and System Integrator	
Contact Details	Name	Mr. Rudradev Malik
	Full Address	Ichhapur Pallasahi, Bhadrak Odisha, India - 756127
	Phone number	9668013991
	Email Id	daplagriproducts@gmail.com
Operational Details	Number of states operational in	6
	Number of installations/ products sold	30
Product Details		
Product Name	Solar Water aerator	
Specifications		
Power rating (H.P.)	1	2
Motor type	Both BLDC and AC motor	
Solar energy system sizing		
Total wattage of PV array required (kWp)	2	5.36
Battery capacity (Ah) with back up hours	150Ah x 4, 48V, 6 hours PCU: 2.5kVA	150Ah x 8, 48V, 6 hours PCU: 5kVA
Costs (₹)		
Only product	35,000	
Product with solar energy system without subsidy	2,95,000	5,55,000
Any additional cost involved (such as AMC, transportation etc.)	Inclusive of GST. Transportation and AMC on actuals	

18. Sub-HP/Fractional Solar Water Pump

Supplier Database:

1. Organization Name		Ujwal Electrics	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Dhananjay Dattatray Bandal	
	Full Address	Post Nimbhore, Tal. Phaltan, District Satara, Maharashtra, India - 415528	
	Phone number	8830993641	
	Email Id	ujwalelectricsales@gmail.com	
Pump type	Submersible		
Pump size (H.P.)	0.1	0.25	
Solar energy system sizing			
Total wattage of PV array required (Wp)	50	100	
Battery capacity (Ah)	8Ah, 12V		
Head (m)	30 – 60		
Costs (₹)			
Product with solar energy system without subsidy	10,000 – 13,000	12,000 – 14,000	
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @18%		

2. Organization Name		Khethworks Private Limited	
Organizational categorization	Manufacturer and System Integrator		
Contact Details	Name	Mr. Victor Lesniewski	
	Full Address	1, 1, Lane 2/C, Vidnyan Nagar, Bavdhan, Pune, Maharashtra 411021	
	Phone number	99751 56530	
	Email Id	victor@khethworks.com	
Pump type	Submersible		
Pump size (H.P.)	0.34		
Solar energy system sizing			
Total wattage of PV array required (Wp)	320, 30V		
Head (m)	Best efficiency at 10m head		

Shut off head = 20m	
Costs (₹)	
Product with solar energy system without subsidy	45,000 - 55,000
Any additional cost involved (such as AMC, transportation etc.)	The cost is inclusive of 1 year warranty and GST. Transportation cost on actuals

3. Organization Name		AquaSun Solar Solutions
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Vishal Bhatt
	Full Address	B-29, Shyamhari Industrial Estate, Plot no. 3202, GIDC, Phase 4, Ahmedabad - 382445
	Phone number	7574995508
	Email Id	aquasolarsolution@gmail.com sales@aquasunsolar.com
Pump type	Submersible	
Pump size (H.P.)	0.5	
Solar energy system sizing		
Total wattage of PV array required (Wp)	335, 48V	
Head (m)	15	
Costs (₹)		
Product with solar energy system without subsidy	22,000 - 25,000	
Any additional cost involved (such as AMC, transportation etc.)	The cost is inclusive of 1 year warranty and GST extra @18% Transportation cost on actuals	

4. Organization Name		G.E. Control
Organizational categorization	Manufacturer	
Contact Details	Name	Mr. Paramjit Singh
	Full Address	St. no. 8, Baba Mukand Singh Nagar, Daba road, Ludhiana, Punjab
	Phone number	8196917951 / 9915289831
	Email Id	gecontrol461@gmail.com
Pump type	Monoblock Submersible	
Pump size (H.P.)	0.5	
Solar energy system sizing		
Total wattage of PV array required (Wp)	670	

Head (m)	20 - 30
Costs (₹)	
Product with solar energy system without subsidy	47,700
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra @12%

5. Organization Name		Amnaa Project Private Limited	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Arvind Sharma	
	Full Address	SSI Plot no. 3, Faridabad, Haryana 121001	
	Phone number	9045857279	
	Email Id	production@amnaa.in sales@amnaa.in	
Pump type	Submersible		
Pump size (H.P.)	0.75		
Solar energy system sizing			
Total wattage of PV array required (Wp)	900		
Head (m)	60		
Discharge (LPD)	10,000		
Costs (₹)			
Product with solar energy system without subsidy	44,000 - 46,000		
Any additional cost involved (such as AMC, transportation etc.)	On actuals and GST extra on pump @12% and 18% on panels and controller set		

19. Solar Fish Meat Mincing Machine

Supplier Database:

1. Organization Name		Ines Services	
Organizational categorization	Manufacturer		
Contact Details	Name	Ms. Preeti Bhatia	
	Full Address	548, Vasant Kunj, Mahipalpur, New Delhi-110037	
	Phone number	9599653009	
	Email Id	operations.ines@gmail.com	
Product Details			
Product Name	Solar Fish Meat mincing machine		
Specifications			
Power rating (H.P.)	1.5		
Processing capacity (kg/hour)	150		
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)		
Total wattage of PV array required (kWp)	5.36		
Battery capacity (Ah) with back up hours	8 x 150Ah, 48V, 6 hours		
PCU: 5kVA			
Costs (₹)			
Only product	16,000		
Product with solar energy system without subsidy	5,36,000		
Any additional cost involved (such as AMC, transportation etc.)	Packing and Freight charges extra GST @ 18% extra		

2. Organization Name		Sri Brothers Enterprises	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Sameer	
	Full Address	310, Sarai Rehman Bhora Syed Sitara school street, Aligarh, Uttar Pradesh - 202001	
	Phone number	72172 55226	
	Email Id	sribrothers6432@gmail.com sribrothers@sribrothersenterprises.com	
Product Details			
Product Name	Meat Mincing machine		

Specifications	
Power rating (H.P.)	5
Processing capacity (kg/hour)	200
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)
Total wattage of PV array required (kWp)	10
Battery capacity (Ah) with back up hours	220Ah x 10, 120V 6 hours PCU: 12.5kVA
Costs (₹)	
Only product	85,000
Product with solar energy system without subsidy	11,00,000 - 13,00,000
Any additional cost involved (such as AMC, transportation etc.)	Packing and Freight charges extra GST @ 18% extra

20. Solar Fish De-boning Machine

Supplier Database:

3. Organization Name		Sri Brothers Enterprises	
Organizational categorization	Manufacturer		
Contact Details	Name	Mr. Sameer	
	Full Address	310, Sarai Rehman Bhora Syed Sitara school street, Aligarh, Uttar Pradesh - 202001	
	Phone number	72172 55226	
	Email Id	sribrothers6432@gmail.com sribrothers@sribrothersenterprises.com	
Product Details			
Product Name	Solar Fish deboning machine		
Specifications			
Power rating (H.P.)	2		
Processing capacity (kg/hour)	180		
Solar energy system sizing	(Solar energy system is not provided by the manufacturer)		
Total wattage of PV array required (kWp)	5.36		
Battery capacity (Ah) with back up hours	150Ah x 8, 48V 6 hours PCU: 5kVA		
Costs (₹)			
Only product	85,000		
Product with solar energy system without subsidy	11,00,000 - 13,00,000		
Any additional cost involved (such as AMC, transportation etc.)	Packing and Freight charges extra GST @ 18% extra		

Disclaimer:

The database is being developed based on research and interactions with the manufacturers, and suppliers. The present document is an attempt to put together relevant information to raise awareness on DRE applications suitable for agriculture, dairy and fishery sectors. It is strongly recommended to consult manufacturers/ suppliers/dealers before investing in DRE applications. Please note that this document is neither exhaustive nor comprehensive. GIZ will not be responsible for any financial decision based on the information provided in the document.

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