



Bajaj Processpack Limited

INNOVATIVE FARM TO TABLE ENGINEERING

36+ YEARS OF
EXPERIENCE
SINCE 1988

Bajaj ReeNu – Harnessing The Goodness Of Water – Through Solar

Monoblock Pumps, Pressure Pumps, SS Submersible, Monoblock Pumps, Submersible Winding Wire, Openwell Pumps, CI Submersible, Solar Pumps, Electric Motors, Openwell Pumps, Electrical Panels, Submersible, Winding Wire, Openwell Pumps, CI Submersible, SS Submersible, Electric Motors, Pressure Pumps, Openwell Pumps, Cables, Booster Pumps, Mud Pumps, Cables, SS Submersible



Head Office Address:

Bajaj Towers, Block B No.136,
Sector 63, Noida 201301 U.P., India
Tel: +91 120 4639950

Office Address:

Plot No 64, Plot No 20, Sector E,
Maili Mbili Street, Arusha Road
Dodoma, Tanzania

Contact Us



0745017778 / 0763574653 /
0699099216 / 0609909313
tanzania@bajajprocesspack.com
www.bajajmachines.com

Guwahati Hyderabad Thiruvananthapuram USA UAE Kenya Uganda Ghana Tanzania



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Bajaj ReeNu –harnessing The Goodness Of Water – Through Solar

Bajaj Processpack Limited (Renewable Energy Division– **ReeNu**) is a pioneer in manufacturing **Renewable energy-efficient Solar water pumps (Surface/ Submersible / Monoblock / Open well pumps)** and Solar panels, and is among the fastest-growing solar pumping manufacturers in India.

Solar powered pumping systems can be applied to pump underground /surface water to be used for

- Irrigation for agriculture
- Animal husbandry
- Community Rural drinking water supply
- Domestic ,Industrial and institutional water supply
- Hotel and Resorts
- Schools and Hospitals
- Allied applications



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Clean and pollution free energy, Eco-friendly, no running Cost.

- Ideal for remote areas, where electricity is not available or availability is capital intensive
- Suitable for day time irrigation, continuous supply for 6-8 hours in a day.
- Solar water pumping system is a state-of-art-technology product designed to provide an eco-friendly and energy efficient solution for pumping of water from borewells /surface.
- Powered by solar energy ,it bypasses the need for grid electricity.

We offer a wide range of products, designed to utilize the power of solar energy to harness the goodness of water from the ground and other water sources. Our advanced technology hybrid pumps (AC/ DC design) are also designed to operate alternatively with solar and grid electricity, thus enabling uninterrupted water supply for applications like irrigation, domestic and industrial water supply, Community drinking water , animal husbandry, Schools , colleges and other commercial applications.



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Our solar panel and rooftop Power generation systems enable users to harness the goodness of solar to generate electricity that can run domestic and Industrial and commercial establishments , thus saving high electricity cost and aligning to Green - environmental friendly energy solutions. The New generation solar panels of monocrystalline / polycrystalline / PERC Half-Cut panels with various models and designs varying from 250/300/400/525/545 W designs that are suitable for various applications.



End-to-End Solar Rooftop solutions - Our project engineering expertise enables us to design the perfect solution for the Industrial ,commercial Solar rooftop projects for generation power from 100 KW onwards.



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About Bajaj Processpack Limited – ReeNu Division

Founded in 1988, Bajaj Processpack Limited is a leading Engineering company in India with a diversified range of plant and machinery that are designed to add value to food through processing and packaging. We manufacture and set up projects for Food, milk, beverage and allied food and agriculture products. The renewable energy division was founded to harness the power of green solar energy to harness water from ground and surface water sources, focussed on developing countries in Africa.

We are committed to delivering excellence in quality and service to our customers. Our engineering experts are dedicated to providing energy-efficient solutions to utilize Solar and other renewable energy that can help farmers, Industry and commercial establishments to harness the goodness of water through solar !

Our Infrastructure



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Surface Pumps

Shallow Well Pumps - Confirming to IS 8472 : 1998

Specifications:

Power Range	0.5, 1.0 & 1.1 HP
Version	220-240V, 50 Hz, A.C.-1 Phase, Permanent Split capacitor (PSC) Incorporated with Thermal Overload Protector.
Speed	2880 rpm.
Duty	S1 (Continuous)
Degree of Protection	IP 54
Insulation	Class B
Discharge range	3480-360 lph
Head range	4-36 mtr
Suction lift up to	8 mtr
Suction x Delivery size	25x25 mm

MOC :

Pump Casing	Cast Iron / MS
Motor Frame	Aluminum / Cast Iron
Impeller	Cast Iron / Noryl
Diffuser	Cast Iron / Noryl
Shaft	EN-8
Sealing	Mechanical Seal (Carbon V/s Ceramic)

Application in:

- Supply System of small gardens
- Domestic pressure boosting
- Drinking water supply in small industries
- Water supply in small farms
- Water supply in nurseries



Booster Pumps 1440 rpm

Specifications:

Power Range	0.5 & 1.0 HP
Version	220-240V, 50 Hz, A.C.-1 Phase, Capacitor Start & Capacitor Run (CSCR)
Speed	1440 rpm
Duty	S1 (Continuous)
Degree of Protection	IP 54
Insulation	Class B
Discharge range	7 - 60 lpm
Head range	6 - 36 mtr
Suction lift up to	8 mtr.
Suction x Delivery size	25x25 mm

MOC :

Pump Casing	Cast Iron
Motor Body	Cast Iron
Impeller	Bronze
Shaft	EN 8
Sealing	Mechanical Seal (Carbon V/s Ceramic)

Application in:

- Domestic multi storey
- Water supply in resorts, small landscapes
- Washing purpose
- Civil applications in hospitals
- Water supply in institutes



Horizontal Openwell Submersible Pumps - confirming to IS 14220 : 1994

Specifications:

Power Range	0.5 – 5.0 HP in 1 Phase 0.5 – 20 HP – 3 Phase
Speed	2880 rpm
Version	200 - 240 V, 350-440V, A.C., 50 Hz
Discharge Range	115 – 810 lpm in 1 phase 115 – 2190 lpm in 3 Phase
Head Range	6 – 48 mtr in 1 Phase 6 – 82 mtr in 3 Phase
Suction x Delivery size	25x25 to 80x80 mm in 1 Phase 25x25 to 100x100 mm 3 phase
Duty	S1 (Continuous)

MOC :

Rear Cover / Bracket	Cast Iron
Stator Shell	Cast Iron / S.S / M.S
Shaft	SS 410
Impeller	Nylon / Noryl
Pump casting	Cast Iron
Seal	NBR
Thrust Bearing Set	Leaded Bronze and Composites / SS V/s Carbon / SS V/s Fiber
Diaphragm	NBR
Journal bearings	LTB 4

Application in:

- Lift from rivers and canals for irrigation
- Domestic water supply to multistory
- Swimming pool & fountains
- Water supply in commercial establishments
- For ETP, STP & WTP purpose



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Solar Submersible Pumps

V3 Borewell Submersible Pumps (Oil Filled/Water Filled) 80mm

Specifications:

Power Range	0.5 HP - 1.5 HP
Version	220-240V, 50 Hz, A.C.
Method of starting	Capacitor start and capacitor run (CSCR) in water filled Capacitor start and run (CSR) in oil filled
Speed	2880 rpm.
Discharge Range	25 – 80 lpm
Head Range	12 – 83 mtr
Outlet size	25 & 32 mm
Degree of Protection	IP 68
Maximum Outer diameter	76 mm.
Duty	S1 (Continuous)
Mounting Standard	NEMA / Key way

MOC Motor :

Upper - Lower Housing & Motor Base	Cast Iron (Regular) / Stainless Steel Jacket (Platinum)
Stator Body	Stainless Steel
Shaft	SS 410
Bearing	Leaded Bronze in water filled Anti frictional deep groove ball bearing in oil filled
Thrust Bearing Set	Carbon V/s SS in water filled

Application in:

- Bore well domestic water supply
- Rural and municipal water supply
- Irrigation
- Water supply in commercial establishments
- Small farms, gardening & nurseries

MOC Pump:

NRV Housing	Cast Iron (Regular) Stainless Steel (Platinum)
Impeller	Noryl*
Diffuser	Noryl*
Pump Jacket	Stainless Steel
Pump Shaft	SS 410
Suction inter Connector	Cast Iron (Regular) Stainless Steel (Platinum)
Coupling	SS 410



V4 Borewell Submersible Pumps (Oil Filled/Water Filled) 100mm - Confirming to IS 8034 : 2002

Specifications:

Power Range	0.5 - 5.0 HP in 1 Phase 0.5 – 7.5 HP in 3 Phase
Version	220-240V, 50 Hz, A.C.- 1 Phase 350-440V – 3 phase
Method of starting	Capacitor start and capacitor run (CSCR) in oil filled Capacitor start and run (CSR) in oil filled 3 Phase – DOL / Star Delta
Speed	2880 rpm.
Discharge Range	15 – 355 lpm in water filled 15 – 475 lpm in oil filled
Head Range	10 – 300 mtr
Outlet size	32, 40, 50 & 65 mm
Degree of Protection	IP 68
Maximum Outer diameter	98 mm
Duty	S1 (Continuous)
Mounting	NEMA / Key way

MOC Motor :

Upper, Lower Housing & Motor Base	Cast Iron (Regular) / Stainless Steel Jacket (Platinum)
Stator Body	Stainless Steel
Shaft	SS 410
Bearing	Leaded Bronze in water filled Anti frictional deep groove ball bearing in oil filled
Thrust Bearing Set	Carbon V/s SS in water filled

Application in:

- Water supply from bore well
- Domestic & rural water supply
- Municipal & Irrigation purpose
- Water supply in commercial establishments
- Small farms, gardening & nurseries

MOC Pump:

NRV Housing	Cast Iron (Regular) Stainless Steel (Platinum)
Impeller	Noryl* / Nylon
Diffuser	Noryl* / Cast Iron
Pump Shaft	SS 410
Suction inter Connector	Cast Iron (Regular) Stainless Steel (Platinum)
Coupling	SS 410
Pump Casing	Stainless Steel



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Solar Submersible Pumps

V5 to V10 Borewell Submersible Pumps -

Specifications:	V5	V6	V7	V8	V10
Power Range	3 – 7.5 HP in 1 Phase 3 – 12.5 HP in 3 Phase	1.5 – 7.5 HP in 1 Phase 3 – 35 HP in 3 Phase	5 – 35 HP in 3 Phase	6 – 125 HP in 3 Phase	20 – 150 HP in 3 Phase
Version	220-240V, 50 Hz, A.C.- 1 Phase 350-440V – 3 phase	220-240V, 50 Hz, A.C – 1 Phase	350-440V, A.C., 50Hz – 3 Phase	350-440V, A.C., 50Hz – 3 Phase	350-440V, A.C., 50Hz – 3 Phase
Method of starting	Capacitor start and capacitor run (CSCR) in 1 Phase DOL / Star in 3 Phase	Capacitor start and capacitor run (CSCR) in 1 Phase DOL / Star in 3 Phase	DOL / Star Delta	DOL / Star Delta	DOL / Star Delta / ATS
Speed	2880 rpm.	2880 rpm	2880 rpm	2880 rpm	2880 rpm
Discharge Range	350 – 700 lpm	80 – 1150 lpm	660 – 1680 lpm	440 – 1970 lpm	960 – 4350 lpm
Head Range	13 – 109 mtr	12 – 435 mtr	15 – 100 mtr	17 – 280 mtr	19 – 368 mtr
Outlet size	50 & 75 mm	50, 65 & 75 mm	100 mm	75, 100 & 125mm	125 & 150 mm
Degree of Protection	IP 68	IP 68	IP 68	IP 68	IP 68
Max Outer Diameter	121 mm	142 mm	159 mm	185 mm	225 mm
Duty	S1 (Continuous)	S1 (Continuous)	S1 (Continuous)	S1 (Continuous)	S1 (Continuous)

MOC Pump:

NRV Housing	Cast Iron
Impeller	Stainless Steel
Diffuser	Cast Iron
Pump Shaft	SS 410
Suction inter Connector	Cast Iron
Coupling	SS 410

MOC Motor:

Upper & Lower Housing	Cast Iron
Stator Body	Stainless Steel
Shaft	SS 410
Bearing	Leaded Bronze
Thrust Bearing Set	Carbon V/s SS

Application in:

- Water extraction from boreholes
- large irrigation
- Agriculture & institutes water supply
- Civil & industrial water supply
- Rural water supply

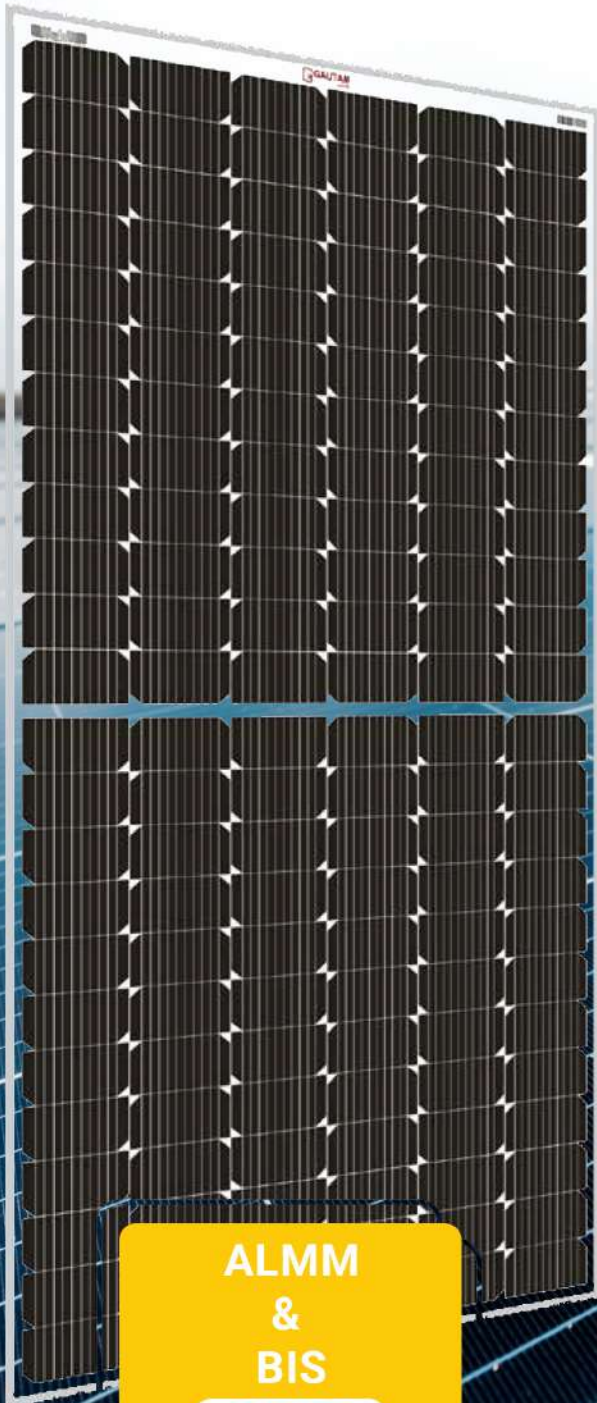




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**Solar panels are available in
150/200/300/400/515/535/550
Wp power models**

**ALMM
&
BIS**

APPROVED

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