



SAMUDRA

**Specialists in
Agri, Domestic &
Industrial Pumpsets**

INDIA 

SINGAPORE (HQ) 



www.samudrapumps.com

TÜVNORD

Certificate

Management system as per
ISO 9001:2015

The Certification Body TÜV NORD CERT GmbH, hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

SAMUDRA PUMPS INDIA PRIVATE LIMITED

H.O.: 1st Floor, No.737/2, Sai Aashrya,
Puliyakulam Road, Puliyakulam,
Coimbatore, 641045
Tamil Nadu,
India



with the locations according to the annex

operates a management system in accordance with the requirements of ISO 9001 : 2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope

Design and Development of Agricultural, Domestic, Urban and Commercial Pumps, Motors and Related Accessories.

Certificate Registration No. **44 100 21393303**
Audit Report No. **2.5-10452/2021**

Valid from **01.09.2021**
Valid until **31.08.2024**
Initial certification **01.09.2021**



Visit our database to
verify the validity of
this certificate.

Mumbai, **03.02.2024**


Certification Body at TÜV NORD CERT GmbH

TÜV NORD CERT GmbH
Am TÜV 1, 45307,
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www.tuev-nord-cert.com



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Ghatkopar (W) Mumbai – 400 086,
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Our Mantra

Success through
Advanced,
Manufacturing excellence by
Understanding our customers &
Developing sustainable
Relationships to create
A amazing products and services!

Vision

To be a global engineering icon
by putting people first
& giving back to society.



Mission

Delivering exceptional products and services
by creating long term, sustainable partnerships
& generating stakeholder value

A portrait of Mr. Shivan Ramachandran, a man with a beard and short dark hair, wearing a dark blue blazer over a light blue shirt. He is looking slightly to the right of the camera with a neutral expression. The background is a blurred office setting. A red vertical bar is visible on the far left edge of the image.

Leadership at Samudra

“

Without a hands-on approach you cannot be successful in this business. Samudra believes in creating partnerships with its dealers, providing value to its customers and empowering its workforce to create the best in-class products and an efficient aftersales service experience. I believe this to be the winning formula for Samudra!

”

Mr. Shivan Ramachandran
Founder & MD

Samudra is spearheaded by Mr. Shivan Ramachandran (ex. Joint MD of Texmo Industries), in his previous tenure he was responsible in developing some of the most lauded products in the industry. He has been instrumental in the establishment of several new factories, spanning over 250,000 sq. ft of manufacturing space.

He strongly believes in the importance of R&D and constant innovation having implemented some of the newest technologies in hydraulic design, RPT (Rapid Prototyping Technologies) including pioneering the use of 3D printing, implemented lean manufacturing systems including several Industry 4.0 tools and creating strategic JV with several global technology companies.

By leveraging his deep insight into market dynamics, Shivan has chalked out a robust growth strategy for Samudra keeping in tune with the market need. His vision is for Samudra to be a leading player in the hydraulics segment by offering top quality pumps and motors catering to varied needs.



SHRI. R. RAMASWAMY



SHRI. R. RAMACHANDRAN



Mr. SHIVAN RAMACHANDRAN
FOUNDER AND MD

THREE GENERATIONS OF QUALITY, EXCELLENCE & SERVICE

Samudra is headquartered in Singapore with manufacturing capabilities in Coimbatore, India. With strong roots in industrial design and discreet manufacturing of pumps and motors, Samudra's strength lies in its core management team that has over 250 years of combined technical and commercial experience in the industry.

Samudra's initial strategy is to first launch its agricultural and domestic range to meet the needs of the farmer and the domestic market, through focus on latest technologies that ensure high pump efficiency, greatest flow rate and ease of installation, maintenance and service. Samudra, is to soon follow this up with a complete range of Industrial and Commercial products; like Back Pull-Out pumps and Hydro Pneumatic Pressure Booster Systems.

We strive to be as innovative as possible, while providing the highest value to our customers. We are not afraid to push boundaries while remaining prudent and careful in our approach.

"Without a hands-on approach you cannot be successful in this business. Samudra believes in creating partnerships with its dealers, providing value to its customers and empowering its workforce to create the best in-class products and an efficient after sales service experience. I believe this to be the winning formula for Samudra!"

- Shivan Ramachandran.

SAMUDRA PUMPS (INDIA) PVT LTD



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SOUTH INDIA BEST EMPLOYER BRAND AWARDS 2021.

BEST EMPLOYER BRAND AWARD

Presented to

SAMUDRA PUMPS INDIA PRIVATE LIMITED

26th October, 2021 | Taj MG Road, Bengaluru

Renate

Dr. R. L. Bhatia
Independent Director,
Founder, World CSR Day &
World Sustainability



Asaif
Asaif Sayed
Project Head
CHRD Assa

Excellence Partner



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NATIONAL
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2021

BEST EMPLOYER BRAND AWARD

Presented to



SAMUDRA

Samudra Pumps India Private Limited

23rd March, 2022 | Taj Lands End, Mumbai

Dr. R. L. Bhatia

Dr. R. L. Bhatia
Independent Director,
Founder, World CSR Day &
World Sustainability



Aasif Sayed

Aasif Sayed
Project Head
CHRO Asia

Telecast Partner



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We are honoured to be the proud recipient of the
National Best Employer Brand Award
*Awarded by Employer Branding Institute,
World HRD Congress and Stars of the Industry Group*

Single Phase | High Speed | SS Body

Openwell Submersible Monobloc Pumpset



DOLPHIN



Parameters	Range
Power Rating	0.5 - 1.0 hp
Head Range	6 - 32 m
Discharge Range	30 - 210 lpm
Voltage	230 V (-15% to +6%)
Speed	2900 rpm

SALIENT FEATURES

- Rigid cast iron casing
- All casting are in superior FG 260 grade
- Ease of installation and trouble free maintenance
- High efficiency with wide operating range
- Water lubricated carbon journal bushes and SS + carbon thrust bearing unit
- Portable light weight construction with sturdy stainless steel stator housing

OPERATING CONDITIONS

- Pump set should be submerged in water with minimum of 0.5 m

APPLICATIONS



Pumping from small
pond to openwells



Water circulating
systems



Fountains, Lawns
and Gardens



Lifting water from sump to
overhead tanks

Single Phase | High Speed | SS Body

Openwell Submersible Monobloc Pumpset



NEMO



Parameters	Range
Power Rating	0.5 - 1.0 hp
Head Range	15 - 27 m
Discharge Range	42 - 176 lpm
Voltage	230 V (-15% to +6%)
Speed	2900 rpm

SALIENT FEATURES

- Rigid cast iron casing
- All casting are in superior FG 260 grade
- Ease of installation and trouble free maintenance
- High efficiency with wide operating range
- Water lubricated carbon journal bushes and SS + carbon thrust bearing unit
- Portable light weight construction with sturdy stainless steel stator housing

OPERATING CONDITIONS

- Pump set should be submerged in water with minimum of 0.5 m

APPLICATIONS



Pumping from small pond to openwells



Water circulating systems



Fountains, Lawns and Gardens



Lifting water from sump to overhead tanks

Single Phase | High Speed | SS Body



Openwell Submersible Monobloc Pumpset



MARLIN

Parameters	Range
Power Rating	0.5 - 1.0 hp
Head Range	6 - 26 m
Discharge Range	45 - 215 lpm
Voltage	230 V (-15% to +6%)
Speed	2900 rpm



SALIENT FEATURES

- Rigid cast iron casing
- High efficiency with wide operating range
- Ease of installation and trouble free maintenance
- Water lubricated carbon journal bushes and SS + carbon thrust bearing unit
- Portable light weight construction with sturdy stainless steel stator housing

OPERATING CONDITIONS

- Pump set should be submerged in water with minimum of 0.5 m

APPLICATIONS



Pumping from small pond to openwells



Water circulating systems



Fountains, Lawns and Gardens



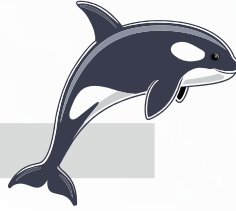
Lifting water from sump to overhead tanks

Single Phase | High Speed | SS Body

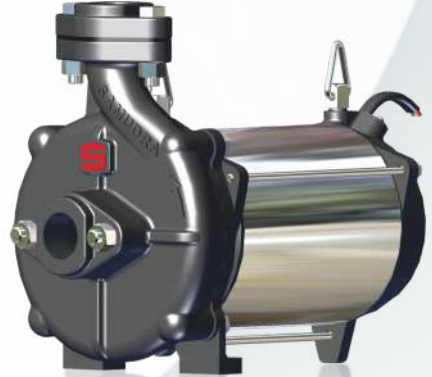


SAMUDRA

Openwell Submersible Monobloc Pumpset



ORCA



Parameters	Range
Power Rating	1.0 hp
Head Range	6 - 25 m
Discharge Range	31 - 186 lpm
Voltage	230 V (-15% to +6%)
Speed	2900 rpm

SALIENT FEATURES

- ▶ Rigid cast iron casing
- ▶ Portable light weight construction with sturdy stainless steel stator housing
- ▶ Ease of installation and trouble free maintenance
- ▶ High efficiency with wide operating range
- ▶ Water lubricated carbon journal bushes and SS + carbon thrust bearing unit

OPERATING CONDITIONS

- Pump set should be submerged in water with minimum of 0.5 m

APPLICATIONS



Pumping from small
pond to openwells



Water circulating
systems



Fountains, Lawns
and Gardens



Lifting water from sump to
overhead tanks

Single Phase | High Speed | SS Body



Openwell Submersible Monobloc Pumpset

► SSSM

*Available in **NX** series

Parameters	Range
Power Rating	2.0 hp
Head Range	10 - 30 m
Discharge Range	36 - 170 lpm
Voltage	230 V (-15% to +6%)
Speed	2900 rpm



SALIENT FEATURES

- Rigid cast iron casing
- All casting are in superior FG 260 grade
- Ease of installation and trouble free maintenance
- High efficiency with wide operating range
- Water lubricated carbon journal bushes and SS + carbon thrust bearing unit
- Portable light weight construction with sturdy stainless steel stator housing

OPERATING CONDITIONS

- Pump set should be submerged in water with minimum of 0.5 m

APPLICATIONS



Pumping from small pond to openwells



Water circulating systems



Fountains, Lawns and Gardens



Lifting water from sump to overhead tanks

Single Phase | High Speed | CI Body

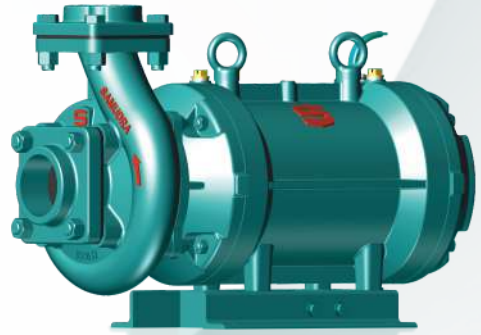


Openwell Submersible Monobloc Pumpset

► SSSM

*Available in **X**, **N** series

Parameters	Range
Power Rating	1.5 - 5.0 hp
Head Range	6- 42 m
Discharge Range	14- 950 lpm
Voltage	230 V (-15% to +6%)
Speed	2900 rpm



SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage band
- Robust design for better rigidity
- Increased water volume for better cooling
- Superior construction for easy installation and easy serviceability
- Optimized diaphragm design
- Three layer protection to avoid sand entry into motor
- Increased life with high grade cast iron components - FG 260
- Heavy duty water lubricated journal and thrust bearing for long trouble free operation

APPLICATIONS



Sprinkler, Drip and lift Irrigation



Water supply in apartments & buildings



Pumping watering from Open well, river and canal



Fountains & gardening

Single Phase



Self Priming Slow Speed Monobloc Pumpset

▶ SSP

*Available in **X, N** series

Parameters	Range
Power Rating	0.5 - 1.0 hp
Head Range	6 - 42 m
Discharge Range	16 - 60 lpm
Voltage	240 V (-15% to +6%)
Speed	1440 rpm



SALIENT FEATURES

- ▶ Carbon vs Ceramic mechanical seal
- ▶ Superior grade rigid cast iron construction
- ▶ TEFC motor with dynamically balanced rotors
- ▶ High wear resisting impeller (High tensile bronze)
- ▶ Wide voltage Band, Single phase supply

OPERATING CONDITIONS

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C

APPLICATIONS



Small pressure boosting application



Fountains, Lawns and Gardens



Lifting water from sump to overhead tanks



Water circulating systems

Single Phase I High Speed

Centrifugal Monobloc Pumpset



▶ SCS

▶ SCM

*Available in X, NX, N, NV, V series

Parameters	Range
Power Rating	0.5 - 2.0 hp
Head Range	4 - 36 m
Discharge Range	12 - 1720 lpm
Voltage	220 V (-15% to +6%)
Speed	2850 rpm



SALIENT FEATURES

- ▶ TEFC design with class 'B' insulation
- ▶ Double shielded deep groove ball bearing
- ▶ Rigid cast iron parts
- ▶ High efficiency with wide operating range
- ▶ Lowest power consumption
- ▶ Noise free operation

OPERATING CONDITIONS

- Liquid temperature up to 60°C
- Ambient temperature up to 45°C
- Maximum suction head up to 6 meters continuous duty

APPLICATIONS



Small farms,
Lawns and gardens



Pressure boosting
system



Domestic water supply,
Residential bungalows



Water circulation
system

Single Phase



Self Priming High Speed Monobloc Pumpset

► SRH

*Available in **X, N, NV, V** series

Parameters	Range
Power Rating	0.5 - 1.0 hp
Head Range	6 - 42 m
Discharge Range	11 - 60 lpm
Voltage	240 V (-15% to +6%)
Speed	2900 rpm



SALIENT FEATURES

- Carbon vs Ceramic mechanical seal
- Superior grade rigid cast iron construction
- High wear resisting impeller (High tensile bronze)
- Wide voltage Band, Single phase supply

OPERATING CONDITIONS

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C

APPLICATIONS



Small pressure boosting application



Fountains, Lawns and Gardens



Lifting water from sump to overhead tanks



Water circulating systems

Single Phase

High Speed Self Priming Pumpsets



► POWER SERIES

Parameters	Range
Power Rating	0.5 - 1.0 hp
Head Range	6 - 55 m
Discharge Range	470 - 3780 lph
Voltage	240 V (-15% to +6%)
Speed	2800 rpm



SALIENT FEATURES

- Wide operating range, 170 to 240 voltage
- TEFC design with class 'B' insulation. S1 continuous duty
- Portable, light weight construction with sturdy aluminium motor frame
- Double shielded deep groove ball bearing
- Rigid cast iron casing and forged brass impeller
- Provided with NRV at suction

OPERATING CONDITIONS

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Suction head up to 6 mtrs

APPLICATIONS



Small farms,
Lawns and gardens



Pressure boosting
system



Domestic water supply,
Residential bungalows



Water circulation
system

Single Phase I High Speed

Horizontal Multi Stage Pressure Boosting System



► SPBS

*Available in X series

Parameters	Range
Power Rating	1.0 - 1.5 hp
Pressure Flow	2 - 4 Bar
Flow Rate	5 m ³ /h
Pipe Size	25 X 25 mm
Voltage	240 V (-15% to +6%)
Speed	2850 rpm



SALIENT FEATURES

- Energy efficient hydraulic & electric design
- TEFC, AC induction motor with "F" class winding for continuous operations
- High quality branded pressure switch & pressure tank
- 5-way connector ensure operation at wide demand range & this increasing product life
- Hydraulic component materials are made of high corrosion resistance stainless steel
- Rigid construction for noiseless operation & vibration free running

APPLICATIONS



Small hotels & commercial complex



Pressure boosting system for household



Pressurized water supply to gardens, sprayers, sprinklers



Irrigation & water wash applications

Single Phase I High Speed

Mini Pressure Boosting System



▶ SMPBS

*Available in X series

Parameters	Range
Power Rating	0.5 hp
Pressure Flow	1 - 2.5 Bar
Flow Rate	2 m ³ /h
Pipe Size	25 X 25 mm
Voltage	240 V (-15% to +6%)
Speed	2800 rpm



SALIENT FEATURES

- ▶ Energy efficient hydraulic & electric design
- ▶ TEFC, construction, specifically designed for pressure boosting system
- ▶ High quality branded pressure switch & tank for longer life
- ▶ Rigid construction for noiseless operation & vibration free running
- ▶ Ease of installation & compact design
- ▶ TEFC, AC induction motor with "F" class winding for continuous operations

APPLICATIONS



Flood water pumping



Bathrooms, Kitchen & Water wash



Pressurized water supply to gardens, Sprayers



Irrigation & water wash applications

Three Phase

Induction Aerator Motor



*Available in X series

Parameters	Range
Power Rating	2.0 hp
Class of Insulation	F Class (155°C)
Motor Protection Class	TEFC (IC411)
Temperature Rise	Limited to Class B (130°C)
Voltage	415 V (-15% to +6%)
Speed	1420 rpm



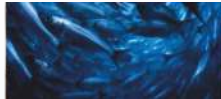
SALIENT FEATURES

- TEFC, 3 phase squirrel cage induction flange mounted motor
- Shaft extension is splined, specially designed for paddle wheel aerator applications
- Dynamically balanced rotors
- Rigid cast iron construction with SS fan shield
- IP 55 class of protection
- F - class insulation
- Provided with thermal overload protector

APPLICATIONS



Agriculture machinery



Aquaculture



Flour Mills



Machine Tools
Industries

Single Phase

Induction Motor



► F 100 4P-S

*Available in X series

Parameters	Range
Power Rating	1.0 - 2.0 hp
Frame	100
Voltage	230 V (-15% to +6%)
Speed	1440 rpm
Class of Insulation	B - Class



SALIENT FEATURES

- Totally enclosed fan cooled (TEFC) foot mounted motor with cast iron frame, end fan cover
- Carbon steel fan cover
- Shielded deep groove ball bearing with build in lubrication media
- Dynamically balanced aluminum die cast rotor with cooling fins
- Capacitor starts and capacitor run (CSCR) type connection ensures high starting torque
- Equipped with B - Class insulated enamelled copper winding
- Continuous S1 duty rated

APPLICATIONS



Agriculture machinery



Wood & Stone
Cutting Machines



Flour Mills



Machine Tools
Industries

Single Phase I Slow Speed



SAMUDRA

Borewell Mono Compressor Pumpset

► **SMCS**

*Available in **X** series

Parameters	Range
Power Rating	1.0 - 1.5 hp
Head Range	30.5 - 122 m
Discharge Range	15 - 70 lpm
Voltage	220 V (-15% to +6%)
Pipe Size	Air Pipe - 12 mm Del. Pipe - 25 mm



SALIENT FEATURES

- Easy installation and maintenance
- Robust in construction with standing overload
- Requires no priming
- Can be installed in more than one bore based on the water leaves
- Rigorous quality control check checks at every stage of manufacturing to ensure high degree of reliability
- Dynamic balancing of rotors ensure vibration free Performance

APPLICATIONS



Domestic



Flood irrigation



Low yield borewell



Agriculture

Single Phase I Slow Speed

Borewell Belt Compressor Pumpset



► SBCS

*Available in X, N series

Parameters	Range
Power Rating	1.5 - 2.0 hp & 5.0 hp
Head Range	30.5 - 122 m
Discharge Range	16 - 130 lpm
Voltage	220 V (-15% to +6%)
Pipe Size	Air Pipe - 12 mm Del. Pipe - 25 mm



SALIENT FEATURES

- Available in single and double cylinder
- Easy installation and maintenance
- Dynamic balancing of rotors ensure vibration free
- Robust in construction with standing overload
- Requires no priming
- It can be installed in more than one bore based on the water leaves
- Rigorous quality control checks at every stage of manufacturing to ensure high degree of reliability
- Easy belt alignment of compressor with the motor ensuring higher efficient and close to zero maintenance

APPLICATIONS



Domestic



Flood irrigation



Low yield borewell



Agriculture

Single Phase

Centrifugal Shallow Well Jet Monobloc Pumpset



- ▶ SHCS-SJ
- ▶ SHCS-SJC

*Available in X series

Parameters	Range
Power Rating	0.5 - 1.0 hp
Head Range	6 - 36 m
Discharge Range	10 - 45 lpm
Voltage	230 V (-15% to +6%)
Speed	2850 rpm



SALIENT FEATURES

- ▶ In-built jet
- ▶ Single phase TEFC construction
- ▶ Carbon vs ceramic mechanical seal
- ▶ High efficiency with wide operating range
- ▶ Available in cast iron and stainless steel delivery chamber

OPERATING CONDITIONS

- ▶ Liquid temperature up to 60°C
- ▶ Ambient temperature up to 40°C
- ▶ Total suction head up to 7 mtrs continuous duty



APPLICATIONS



Small farms,
Lawns and gardens



Pressure boosting
system



Domestic water supply,
Residential bungalows



Fountains, Lawns
and Gardens

Single Phase

Centrifugal Jet Monobloc Pumpset



► SSJ

*Available in **N** series

Parameters	Range
Power Rating	1.0 hp
Head Range	12 - 40 m
Discharge Range	450 - 1332 lpm
Voltage	240 V (-15% to +6%)
Speed	2850 rpm
Min.Opr. Pressure	1.5 - 2.5 Bar



SALIENT FEATURES

- A totally enclosed, Fan-cooled (TEFC) motor
- Dynamically balanced rotor
- Wide voltage band 180V to 240V, 50Hz single phase supply
- Superior grade rigid cast iron construction
- Deep groove ball bearings used drive & Non-drive end
- Casing & impeller made of Noryle & cast iron FG 260
- Carbon vs ceramic mechanical seal
- Jet 7 pressure valve unit

OPERATING CONDITIONS

- Jet unit should be submerged in water with minimum of 2.5 m

APPLICATIONS



Small farms,
Lawns and gardens



Pressure boosting
system



Fountains, Lawns
and Gardens



Lifting water from sump to
overhead tanks

Single Phase

Submersible Dewatering Pump



▶ SDP 7050 10S

Parameters	Range
Power Rating	1.0 hp
Head Range	3 - 13 m
Discharge Range	67 - 300 lpm
Voltage	230 V (-15% to +6%)
Speed	2850 rpm
Protection	IP68
Insulation	Class F



SALIENT FEATURES

- ▶ Dry type submersible induction motor
- ▶ Built in capacitor run, "F" class insulation motor
- ▶ Fasteners, shaft & clamps AISI 304 materials
- ▶ Casing, impeller and other casting are, FG 260 grade & CED coated to improve life and performance
- ▶ Carbon / ceramic dual mechanical seal prevents water entry into the dry motor portion
- ▶ SS sand guard

CABLE SEALING



- Cable connectors filled with resin prevents water leakage into the motor through the cable wire

APPLICATIONS



Flood water pumping



Dewatering for basement, underground parking's, garages



Waste water from multi-storey building, residential, hotels



Slushy, water, waste water without solids

Single Phase

Submersible Sewage Pump

► SWP 7050 S



Parameters	Range
Power Rating	1.0 hp
Head Range	4 - 12 m
Discharge Range	67 - 330 lpm
Voltage	230 V (-15% to +6%)
Speed	2850 rpm
Protection	IP68
Insulation	Class F

SALIENT FEATURES

- Dry type submersible induction motor
- Built in capacitor run, "F" class insulation motor
- Fasteners, shaft & clamps AISI 304 materials
- Casing, impeller and other casting are, FG 260 grade & CED coated to improve life and performance
- Carbon / ceramic dual mechanical seal prevents water entry into the dry motor portion
- SS sand guard
- Open type impeller for non- clogging operation
- Can handle particle size up to 25 mm
- SS sand guard

APPLICATIONS



Flood water pumping



Dewatering for basement, underground parking's, garages



Waste water from multi-storey building, residential, hotels



Slushy, water, waste water without solids

Three Phase

Waste Water Submersible Pump

► WWSP



Parameters	Range
Power Rating	3.0 hp
Head Range	6 - 22 m
Discharge Range	66 - 520 lpm
Voltage	415 V (-15% to +6%)
Speed	2900 rpm
Protection	IP68
Insulation	Class F

SALIENT FEATURES

- Heavy duty construction made with FG 260 cast iron
- Cast iron Parts are cathodic electrode deposition (CED) coated for corrosion resistance
- Dynamically balanced rotating parts, stable hydraulic design and consistent performance
- Easy maintenance design and better interchangeability of components
- Equipped with auto cut off protector to prevent motor burn out due to high temperatures
- Equipped with superior abrasion resistant mechanical seal with silicon carbide to ensure the best seal effect

APPLICATIONS



Commercial and
Residential building



Dewatering &
Sewage



ETP / STP
Plants



Storm water

Three Phase

High Speed Monobloc Pumpset

► SMH



*Available in X series

Parameters	Range
Power Rating	5.0 - 10.0 hp
Head Range	10 - 56 m
Discharge Range	6.5 - 30 lps
Voltage	415 V (-15% to +6%)
Speed	2900 rpm



SALIENT FEATURES

- FG 260 for higher durability
- Improved hydraulic performance
- Aluminum pressure die-cast rotors
- (SKF) ball bearing & dynamically balanced rotors
- Class "F" winding ensure long trouble - free operation in low temperature
- Heavy duty fasteners ensures enhanced life
- Ease of serviceability and minimal maintenance

APPLICATIONS



Domestic



Agriculture



Irrigation



Industrial

Three Phase

Slow Speed Monobloc Pumpset



► SMS

*Available in X series

Parameters	Range
Power Rating	3.0 - 7.5 hp
Head Range	3 - 14 m
Discharge Range	10 - 71 lps
Voltage	415 V (-15% to +6%)
Speed	1440 rpm



SALIENT FEATURES

MOTOR

- Three phase TEFC induction motor
- Dynamically balanced rotor
- All casing parts are FG 260 grade cast iron
- Suitable for 300V to 440V three phase, 50Hz power supply
- Large size bearing for better life

PUMP

- All casing parts are FG 260 grade cast iron
- Stainless steel packing gland with SS steel studs
- Balanced impeller
- Brass impeller lock nuts
- Improve hydraulic performance

APPLICATIONS



Domestic



Aquaculture



Irrigation



Industrial

Three Phase I High Speed



SAMUDRA

Openwell Submersible Monobloc Pumpsets

► SSM

*Available in **X, N, V, NX** series

Parameters	Range
Power Rating	2.0 - 15 hp
Head Range	6 - 80 m
Discharge Range	3 - 46 lps
Voltage	350/415 V (-15% to +6%)
Speed	2900 rpm

V Series up to 7.5 hp

N Series up to 10 hp

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- Robust design for better rigidity
- Increased water volume for better cooling
- Optimized diaphragm design
- Three layer protection to avoid sand entry into motor
- Increased life with high grade cast iron components - FG 260
- Superior construction for easy installation and easy serviceability
- Heavy duty water lubricated journal and thrust bearing for long trouble free operation



APPLICATIONS



Sprinkler, Drip and lift Irrigation



Water supply in apartments & buildings



Pumping water from Open well, river and canal



Fountains & gardening

Three Phase I High Speed

Vertical Openwell Submersible Pumpset



► SVSM

*Available in **X**, **NXC** series

Parameters	Range
Power Rating	5.0 - 15 hp
Head Range	10 - 140 m
Discharge Range	3 - 19 lps
Voltage	415 V (-15% to +6%)
Speed	2850 rpm

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- Robust design for better rigidity
- Increased water volume for better cooling
- Three layer protection to avoid sand entry into motor
- Increased life with high grade cast iron components - FG 260
- Superior construction for easy installation and easy serviceability
- Heavy duty water lubricated journal and thrust bearing for long trouble free operation
- Independent construction of pump & motor which is advantageable of pairing different stage of pumps with the same hp related motors



APPLICATIONS



Sprinkler, Drip and lift Irrigation



Water supply in apartments & buildings



Pumping water from Open well, river and canal



Fountains & gardening

Single Phase

Vertical Submersible Pumpset



► SVS

*Available in X series

Parameters	Range
Power Rating	1.0 - 1.5 hp
Head Range	13 - 78 m
Discharge Range	30 - 180 lpm
Voltage	220 V (-15% to +6%)
Speed	2850 rpm

SALIENT FEATURES

- Easy installation & foundation not required
- Improved efficient and reduced power consumption
- Impellers and diffusers of high quality water portable engineering polymer
- Motor & pump is coupled with a slide coupling for easy serviceability
- Easy rewindable squirrel cage motor designed to operate in a wide range of voltage variation 180 - 240 V, 50 Hz power supply
- Pre - filled with special anti-corrosive solution to protect internal parts of motor from corrosion
- CED coated cast iron components for long lasting corrosion protection
- Special mounting stands are provided for placing the sets in horizontal position



OPERATING CONDITIONS

- Single Phase, 180 - 240V, 50Hz, AC power supply
- Clear cold water with a maximum sand content of 50grams in 1000 ml
- Protect to be earthed properly to avoid malfunction

APPLICATIONS



Sump and water tanks



Domestic water supply in apartments



Building and hotels



Gardening and irrigation

Single Phase I High Speed

Borewell Submersible Pumpset (80 mm)



► SRT

*Available in **N**, **NV** series

Parameters	Range
Power Rating	1.0 hp
Head Range	10 - 69 m
Discharge Range	12 - 96 lpm
Voltage	200 V (-15% to +6%)
Speed	2800 rpm

SALIENT FEATURES

- More durability and hygiene
- High operating efficiency
- Specially designed thrust bearing withstand high axial thrust load
- Fitted with water lubricated bearing
- Suitable for \varnothing 80 mm borewells or unsized \varnothing 100 mm borewells



APPLICATIONS



Open, Sprinkler, Drip and lift Irrigation



large multistoried apartments



Industrial water supply



Pressure boosting system

Borewell Submersible Pumpset (100 mm)

*Available in **X, HNX, N, V** series

SRF	X series	N series	V series
Parameters	Range	Range	Range
Power Rating	1.0 - 7.5 hp	1.0 - 2.0 hp	0.5 - 2.0 hp
Head Range	11 - 535 m	11 - 250 m	15 - 190 m
Discharge Range	7 - 180 lpm	7 - 180 lpm	7 - 180 lpm
Phase	1 Ø (2 - 5 hp) 3 Ø (1 - 7.5 hp)	1 Ø (up to 2 hp)	1 Ø (up to 2 hp)
Voltage	230 / 415 V	200 V	200 V
Speed	2800 rpm	2800 rpm	2800 rpm

SMF	X series	N series
Parameters	Range	Range
Power Rating	2.0 - 7.5 hp	2.0 hp
Head Range	8 - 78 m	7.5 - 31 m
Discharge Range	120 - 480 lpm	120 - 450 lpm
Phase	1 Ø (2 - 5 hp) 3 Ø (3 - 7.5 hp)	1 Ø (2 hp)
Voltage	230 / 415 V	200 V
Speed	2800 rpm	2800 rpm

*Available in **X, N, NX, NV** series

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage band
- All casing are in superior FG 260 grade
- Heavy duty journal and tilting thrust bearings
- Optimized diaphragm design
- Motor filled with anti-corrosive solution
- Rubber & Metal clad Rubber bushes are provided for intermediate journal support
- Three layer protection to avoid sand entry into motor
- SS clad top & bottom intermediate shells

APPLICATIONS



Open, Sprinkler, Drip and lift Irrigation



large multistoried apartments



Industrial water supply



Individual residences



Radial Flow



Box Type Borewell Submersible Pumpset (100 mm)

► SBRF

*Available in **X, MVC** series

Parameters	Range
Power Rating	1.5 - 7.5 hp
Head Range	20 - 477 m
Discharge Range	12 - 192 lpm
Phase	1Ø (1.5 hp & 5 hp) 3Ø (5 hp & 7.5 hp)
Voltage	200/415 V (-15% to +6%)
Speed	2800 rpm

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- All motors and motor casting are in superior FG 260 grade & all pumps are painted over CED coated castings
- Heavy duty journal and tilting thrust bearings
- Optimized diaphragm design
- Motor filled with anti-corrosive solution
- Easy serviceability
- SS clad top & bottom intermediate shells
- Rubber & Metal clad Rubber bushes are provided for intermediate journal support
- Three layer protection to avoid sand entry into motor
- High wear resistant engineering polymers
- Each stage house, stainless steel housing which increase the product life



APPLICATIONS



Open, Sprinkler, Drip and lift Irrigation



large multistoried apartments



Industrial water supply



Pressure boosting system

Three Phase I Radial Flow

Box Type Borewell Submersible Pumpset (140 mm)

► SBRFI

*Available in X, NX series

Parameters	Range
Power Rating	7.5 - 10 hp
Head Range	63 - 655 m
Discharge Range	18 - 192 lpm
Voltage	415 V (-15% to +6%)
Speed	2800 rpm

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- All motors and motor casting are in superior FG 260 grade & all pumps are painted over CED coated castings
- Heavy duty journal and tilting thrust bearings
- Optimized diaphragm design
- Motor filled with anti-corrosive solution
- Easy serviceability
- SS clad top & bottom intermediate shells
- Rubber & Metal clad Rubber bushes are provided for intermediate journal support
- Three layer protection to avoid sand entry into motor
- High wear resistant engineering polymers
- Each stage house, stainless steel housing which increase the product life



APPLICATIONS



Open, Sprinkler, Drip
and lift Irrigation



large multistoried
apartments



Industrial water
supply



Individual residences

Radial Flow



Stainless Steel Borewell Submersible Pumpset (100 mm)

► SSRF

*Available in X series

Parameters	Range
Power Rating	3.0 - 7.5 hp
Head Range	30 - 320 m
Discharge Range	12 - 132 lpm
Phase	1 ϕ (3 hp) 3 ϕ (3 hp to 7.5 hp)
Voltage	220/415 V (-15% to +6%)
Speed	2850 rpm

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- All casting are in superior FG 260 grade
- Heavy duty journal and tilting thrust bearings
- Optimized diaphragm design
- Motor filled with anti-corrosive solution
- Easy serviceability
- SS clad top & bottom intermediate shells
- Three layer protection to avoid sand entry into motor
- Inlet bracket & delivery casing are made of IC casting CF8 grade
- Diffuser & Impeller made of sheet fabricated AISI 304
- Pumps bearing bush made up of nitrile rubber wear resistance



APPLICATIONS



Open, Sprinkler, Drip and lift Irrigation



large multistoried apartments



Industrial water supply



Pressure boosting system

Three Phase I Radial Flow



SAMUDRA

Stainless Steel Borewell Submersible Pumpset (140 mm)

► SSRFI

*Available in **NX** series

Parameters	Range
Power Rating	5.0 - 10.0 hp
Head Range	120 - 426 m
Discharge Range	36 - 108 lpm
Voltage	430 V (-15% to +6%)
Speed	2850 rpm

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- All casting are in superior FG 260 grade
- Heavy duty journal and tilting thrust bearings
- Optimized diaphragm design
- Motor filled with anti-corrosive solution
- Easy serviceability
- SS clad top & bottom intermediate shells
- Three layer protection to avoid sand entry into motor
- Inlet bracket & delivery casing are made of IC casting CF8 grade
- Diffuser & Impeller made of sheet fabricated AISI 304
- Pumps bearing bush made up of nitrile rubber wear resistance



APPLICATIONS



Open, Sprinkler, Drip
and lift Irrigation



large multistoried
apartments



Industrial water
supply



Individual residences

Three Phase I Radial Flow



SAMUDRA

Borewell Submersible Pumpset (150 mm)

► **SRS**

Parameters	X series Range	N series Range
Power Rating	3.0 - 25.0 hp	3.0 - 7.5 hp
Head Range	28 - 490 m	14 - 247 m
Discharge Range	18 - 450 lpm	18 - 450 lpm
Voltage	415 V (-15% to +6%)	350V (-15% to +6%)
Speed	2850 rpm	2850 rpm

*Pumpsets available in **NX, NV** series also

***NVC** model also available up to 10 hp

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- All casting are in superior FG 260 grade
- Heavy duty journal and tilting thrust bearings
- Optimized diaphragm design
- Motor filled with anti-corrosive solution
- Easy serviceability
- Three layer protection to avoid sand entry into motor
- Pumps fitted with SS NRV
- Each stage is fitted with sand resisting rubber / rubber clad metal bushes



APPLICATIONS



Open, Sprinkler, Drip and lift Irrigation



large multistoried apartments



Industrial water supply



Pressure boosting system

Three Phase I Mixed Flow



SAMUDRA

Borewell Submersible Pumpset (150 mm)

► SMS

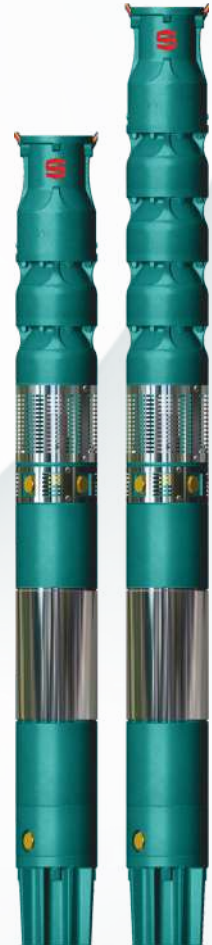
*Available in **X**, **NX**, **N**, **NV** series

Parameters	X series Range	N series Range
Power Rating	3.0 - 25.0 hp	3.0 - 10 hp
Head Range	14 - 238 m	8 - 72 m
Discharge Range	210 - 1050 lpm	210 - 1050 lpm
Voltage	415 V (-15% to +6%)	350V (-15% to +6%)
Speed	2850 rpm	2850 rpm

*Pumpsets available in **NX**, **NV** series also

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- All casting are in superior FG 260 grade
- Heavy duty journal and tilting thrust bearings
- Optimized diaphragm design
- Motor filled with anti-corrosive solution
- Easy serviceability
- Three layer protection to avoid sand entry into motor
- Each stage of pump is fitted with sand resisting rubber / rubber clad metal bushes & wear rings



APPLICATIONS



Open, Sprinkler, Drip and lift Irrigation



large multistoried apartments



Industrial water supply



Individual residences

Three Phase I Radial Flow



Ultra Head Borewell Submersible Pumpset (160 mm)

► SRS UH

*Available in X, NX series

Parameters	Range
Power Rating	5.0 - 25 hp
Head Range	25 - 358 m
Discharge Range	30 - 450 lpm
Voltage	415 V (-15% to +6%)
Speed	2850 rpm

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- All casting are in superior FG 260 grade
- Heavy duty journal and tilting thrust bearings
- Optimized diaphragm design
- Motor filled with anti-corrosive solution
- Easy serviceability
- Three layer protection to avoid sand entry into motor
- Pump bearing bush made up nitrile for better wear resistance
- Diffuser is made of IC casing CF grade & impeller is in CA 15 CA 40 grade steel



APPLICATIONS



Open, Sprinkler, Drip
and lift Irrigation



large multistoried
apartments



Industrial water
supply



Pressure boosting
system

Three Phase I Mixed Flow

Borewell Submersible Pumpset (175 mm)



► SMVS

Parameters	Range
Power Rating	6 - 15 hp
Head Range	4.8 - 64 m
Discharge Range	10 - 32 lps
Voltage	415 V (-15% to +6%)
Speed	2850 rpm
Pipe Size	Delivery Pipe Size = 100 mm

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- All casting are in superior FG 260 grade
- Heavy duty journal and tilting thrust bearings
- Optimized diaphragm design
- Motor filled with anti-corrosive solution
- Easy serviceability
- Three layer protection to avoid sand entry into motor
- Each stage of pump is fitted with sand resisting rubber / rubber clad metal bushes & wear rings



APPLICATIONS



Open, Sprinkler, Drip and lift Irrigation



large multistoried apartments



Industrial water supply



Individual residences

Three Phase I Radial Flow

Borewell Submersible Pumpset (200 mm)



► SRE-NX

Parameters	Range
Power Rating	25.0 - 60.0 hp
Head Range	76 - 473 m
Discharge Range	120 - 900 lpm
Voltage	415 V (-15% to +6%)
Speed	2850 rpm
Pipe Size	Delivery Pipe Size = 80 mm

SALIENT FEATURES

- Energy efficient motors and pumps
- Wide operating voltage brand
- All casting are in superior FG 260 grade
- Heavy duty journal and tilting thrust bearings
- Optimized diaphragm design
- Motor filled with anti-corrosive solution
- Easy serviceability
- Three layer protection to avoid sand entry into motor
- Pump bearing bush made up nitrile for better wear resistance
- Diffuser is made of IC casing CF grade & impeller is in CA 15 CA 40 grade steel



APPLICATIONS



Open, Sprinkler, Drip and lift Irrigation



large multistoried apartments



Industrial water supply



Pressure boosting system



SAMUDRA

Vertical Multistage Centrifugal Pumps

Parameters	Range
Power Rating	0.5 - 5.5 hp
Performance Head Range	up to 250 m
Discharge Range	30 - 150 lps
Voltage	230 V (Single Phase) 415 V (Three Phase)
Speed	2850 rpm

SALIENT FEATURES

- Impellers, shafts and pump shell are made with AISI304 and the remaining cast iron parts are made of FG 260
- Dynamically balanced rotating parts, stable hydraulic design and consistent performance.
- Higher efficiency, superior performance & low NPSH
- Cast iron parts are cathodic electro deposition coated for corrosion resistance with 5 times better than conventional painting Which increase the durability
- Split coupling to assemble the motor and pump for easy handling.
- Cartridge seals having Silicon Carbide vs Silicon Carbide hard faces to resist high temperature and prevent leakages



APPLICATIONS



Pressure Boosting



Multi Story Building



Utility Water



Irrigation & Sprinkler



SAMUDRA

Pressure Boosting System

► HNS SERIES

Parameters	Range
Q max	430 m ³ /h
H max	150 m
Discharge Range	50 / 60 Hz
Voltage	IE2 / IE3
Speed	up to 6 pumps



SALIENT FEATURES

- Heavy duty constructions made with FG 260 Cast iron
- Cast iron parts are cathodic electrode deposition (CED) coated for corrosion resistance
- Dynamically balanced rotating parts, stable hydraulic design and consistent performance
- Easy maintenance design and better interchangeability of components
- Equipped with auto cut off protector to prevent motor burn out due to high temperatures
- Cartridge seals having Silicon Carbide vs Silicon Carbide hard faces to resist high temperature and prevent leakages

APPLICATIONS



Pressure Boosting



Multi Story Building



Utility Water



Irrigation & Sprinkler



SAMUDRA

Intelligent Permanent Magnet Pressure Booster Pump



Silencio **550** Silencio **1100**

Parameters	Range	Range
Power Rating	100 - 550 W	500 - 1100 W
Max Head	45 m	53 m
Max Flow	5 m ³ /h	6 m ³ /h
Max Flow	8.5 m	8.5 m
Max Speed	5200 rpm	3300 rpm
Voltage	220±20%	220±20%
Frequency	50/60 Hz	50/60 Hz
Inlet & Outlet	25 X 25 mm	25 X 25 mm



SALIENT FEATURES

- Super Silent - More than 70% quieter than peers
- Intelligent Frequency Conversion - Energy Saving more than 50%
- Multi-frequency - 50 to 60 Hz available
- Interactive Interface - Both auto and manual mode for pressure settings
- Powerful - Superior flow and discharge
- Compact Size - Space saving and easy installation
- Wide Operating Band - Voltage ranging from 160 - 250 volts
- Constant Water Pressure - Outlet pressure remains constant

APPLICATIONS



Villas and Residential Bungalows



Individual Row Houses



Small Commercial Establishments



Circulating Pressure boosting

Three Phase Motor Starter

► SK SERIES

Parameters	Range
Contactor Rating	16A & 25A, 500V
Operating Voltage	300V to 440V
Overload Relay	1.5 - 2.5A to
Range	20 - 32A

SALIENT FEATURES

- Elegant design powder coated metal enclosure
- 16A & 25A - 500V duty contactor
- Wide voltage band operating 300V to 440V
- Confirms IS/IEC 60947-4-1
- Variable overload relay ranging from 1.5 - 2.5A to 20 - 32A
- Twin push buttons specially designed for motor starter



APPLICATIONS



Open Well



V4, V6 Bore Well



SAMUDRA

Single Phase Control Panel

▶ SCP

*Available in **NX, N, NV** series

Parameters	Range
Type	Analog Control Panel & Digital Control Panel
Power Rating	1.0 - 3.0 hp



SALIENT FEATURES

- ▶ Elegant design power coated metal enclosed
- ▶ Wide voltage band operating
- ▶ Fitted with MCB and optional overload relay
- ▶ 40 Amps rating 5 way connector
- ▶ ABS Enclosure
- ▶ MS Enclosure



ABS Enclosure



MS Enclosure

APPLICATIONS



Open Well



V3, V4 Bore Well



SAMUDRA

Samudra PVC 3 Core Flat Submersible Cable

SAMUDRA PLUS+

Parameters	Range
Size	1, 1.5, 2.5, 4.0, 6, 8, 10, 16, 25 sq.mm
Standard	ISI - IS:694
Conductor	Plain Annealed Bare Copper Conductor as per IS:8130
Insulation	PVC
Core Colour	Red / Yellow / Blue

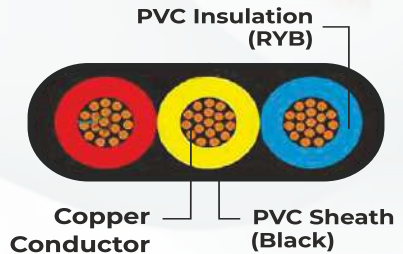


SALIENT FEATURES

- Assured electricity saving
- Full gauge guarantee
- Highly abrasion resistance
- ABS Excelled insulating properties
- High grade & pure copper conductor
- Abrasion resistance grade sheath material
- Long life & high durability
- Higher temperature index



IS 694 : 2010



APPLICATIONS



Open Well



V3, V4, V6 & V8 Bore Well



SAMUDRA

Samudra Platinum uPVC Column Pipes for Submersible Pumps

SAMUDRA PLATINUM

Parameters	Range
Product	1" to 5" (25 mm to 140 mm)
Classes	V4 (12.5 - 15.0 kg), Medium, Standard & Heavy
Variant	Bell end & Coupler type

SALIENT FEATURES

- C-Ring locking system prevents the unlocking / loosening / Slippage of the pipes while in operation and during dismantling.
- Threads withstand considerable Shock, Jerk and pressure loads as well. Proper thread lengths with stoppage ensures its firmness.
- Coupler holds the successive pipes and makes the complete Pipe chain. Well designed couplers couples the pipes accurately and eliminating the misalignment between pipes.
- Specially Designed "Double Lip Sealing Rings" are provided on both permanent and temporary ends of the pipes.



Light
Weight



Energy
Saving



Cost
Effective



100%
Leak Proof
Joints



High Tensile
Strength

APPLICATIONS



Open Well



Bore Well

Samudra Indigo uPVC Casing Pipes for Borewells

S SAMUDRA[®] indigo

Parameters	Range
Product	5" to 8" (OD - 140mm to 225mm)
Classes	CS - Shallow well Casing - Up to 80 meter
Variant	CM - Medium well Casing - Up to 250 meter CD - Deep well Casing - Up to 450 meter

*Available in (Plain | Slotted | Ribbed)

SALIENT FEATURES

- Corrosion free
- 100% leak proof joints
- Inert to chemicals
- Cost effective
- Longer life
- Non toxic
- No electrolytic deposition
- Light in weight
- Easy installation & handling
- High tensile & Impact strength

APPLICATIONS



Open Well



Bore Well



Notes:

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SAMUDRA

Certifications & Awards

As quality is the very foundation on which Samudra is built, we constantly strive to implement the highest standards and regulations that would shape our products and processes for the better. This is substantiated by Samudra having been awarded and recognized for several quality systems and product standards like ISO, ISI, CE, BEE, amongst many others.





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