Oil Filtration Equipments
Centrifugal Oil Cleaners (Online)
Waste 2 Energy Technologies
A Brief Introduction

**CBS** is a diversified group having interests in engineering, Pre fabricated structures, Waste 2 energy technologies and developing many items under **MAKE IN INDIA**.

Companies under **cbs** group are

- **CBS** Technologies Pvt. Ltd. (Unit -1) - at Gr. Noida, manufacturing a wide range of engine components, filtration machines, Centrifuges etc.
- **CBS** Technologies Pvt. Ltd. (Unit 3) - Gr. Noida - Manufactures all types of FRP Cabins, Tanks.
- **TALENT58.COM**- A Web Portal for retired persons with excellent job opportunities.
- **SU-RAJ FOUNDATION** - An NGO committed for development of smart villages.
- **CBS ITI** - At Kashipur, Uttrakhand established to educate youth under skill development mission of India.


Highlights of CbS

- CbS is a recognized research and development house by Ministry of Science and Technology, Govt. of India.
- Technology transfer agreement with Defence Research Development organization (DRDO) and Bhabha Atomic Research Centre (BARC) and Fenix Renewal LLC, USA.
- Regular R&D support from “Indian Institute of Technology – Delhi” and DRDO (Defense Research and Development organization) ministry of Defense.
- Approved by DGQA (Ministry of Defence), GeM, RDSO – Railways DSIR – Ministry of Science and Technology, MES, CPWD, NTPC, Steel Mills, BHEL, HAL and Pvt. Multinational organizations like HONDA, LG, and TIMEX etc.
- Modern WI-Fi enabled factories and ITI.
- Country wide strong service team for after sales service.
- Products are also available in GeM under Govt of India.
- Products of CbS are regularly exported to many countries.
- CbS team of engineers have developed many products under import substitution programme for Indian Railway and Indian army.
TRANSFORMER OIL FILTRATION MACHINE (OFFLINE)

OIL FILTRATION (DIVISION)

Portable Transformer Oil Centrifuging Machine

Features
- Flow rate up to 500 - 5000 LPH.
- Sludge holding capacity 0.5 - 10 kgs.
- Purifies up to sub-micron level.
- Moisture removal centrifuges - No consumables.
- Solid removal centrifuge - No consumables.
- Magnetic Strainer.
- Degassing Chamber.
- Heaters.
- Control Panel.

Available Models
1. TOCP-005-S
2. TOCP-010-S
3. TOCP-020-S
4. TOCP-050-S

Transformer Oil Filtration System - Single Stage

Features
- Flow rate up to 500 - 6000 LPH.
- Trolley Mounted/Skid Mounted (as per the requirement).
- Purifies up to sub micron level.
- Coarse filter.
- Fine Filter.
- Magnetic Strainer.
- Degassing Chamber (single stage Degasification).
- Heaters.
- Control Panel.

Available Models
1. TOFT-005-S
2. TOFT-006-S
3. TOFT-010-S
4. TOFT-012-S
5. TOFT-020-S
6. TOFT-024-S
7. TOFT-050-S
8. TOFT-060-S

Our Mobile Machines Reach Every Where

Transformer Oil Filtration System - Double Stage

Features
- Flow rate up to 1000 - 12000 LPH.
- Trolley Mounted/Skid Mounted (as per the requirement).
- Weather proof.
- Purifies up to sub micron level.
- Coarse filter (Consumable).
- Fine Filter (Consumable).
- Magnetic Strainer (Washable).
- Ionic reaction Column (Consumable).
- Vacuum system with roots booster (for ultra high vacuum).
- Degassing Chamber (Double Stage Degasification).
- Heaters.
- Control Panel.
- Online moisture PPM sensor.
- Mounted BDV test kit.
- Online flow meter.
- Transformer evacuation system can be provided (if required).
Features

- Available in different capacities: 5000 - 12000 LPH.
- Trolley / Vehicle mounted (as per the requirement).
- Weather proof.
- Purifies up to sub micron level.
- Coarse filter (Consumable).
- Fine Filter (Consumable).
- Magnetic Strainer (Washable).
- Ionic reaction column (Consumable).
- Vacuum system with roots booster (for ultra high vacuum).
- Degassing Chamber (Double stage Degasification).
- Heaters.
- Control Panel.
- Online moisture PPM sensor.
- Mounted BDV test kit.
- Online flow meter.
- Transformer evacuation system can be provided (if required).
- Reclamation Bags.

Available Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>TORT-005-D</td>
<td>2</td>
</tr>
<tr>
<td>TORT-020-D</td>
<td>4</td>
</tr>
<tr>
<td>TORT-050-D</td>
<td>6</td>
</tr>
<tr>
<td>TORT-080-D</td>
<td>8</td>
</tr>
<tr>
<td>TORT-120-D</td>
<td>10</td>
</tr>
</tbody>
</table>

Transformer Oil Dry-Out System (TO-DOS)

Features

- The system is permanently installed with a transformer continuously keeps on removing the moisture while transformer is in charged stage.
- During the filtration process moisture PPM level is continuously monitored.
- This process does not only remove moisture from transformer oil but from the insulation as well.
- The transformer oil is circulated through a series of cylinders filled with specially designed cartridges that absorbs moisture as well as removes solid contaminations from the oil.
- It will keep on maintaining PPM level which is required for long life and good health of transformers.

Available Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>TODP-000-O</td>
<td>2</td>
</tr>
<tr>
<td>TODP-003-O</td>
<td></td>
</tr>
<tr>
<td>TODP-005-O</td>
<td>4</td>
</tr>
<tr>
<td>TODP-005-O-MS</td>
<td></td>
</tr>
<tr>
<td>TODP-005-MS-DT</td>
<td>6</td>
</tr>
<tr>
<td>TODP-006-O</td>
<td></td>
</tr>
</tbody>
</table>
Regenerative Air Dryer

In heavy-duty industrial operations, water vapor in compressed air equipment can lead to premature failure, corrosion, frozen air lines, quality control issues and a range of other operational problems.

- The system purifies compressed air by absorbing moisture.
- The valve switch automatic display function, friendly man-machine interface, simple operation, convenient for daily maintenance.
- Automatic alarm device, fault alarm.
- High quality adsorbent.
- Reliable performance check valve, silencer, pneumatic valve and diffuser are available.

Transformer Evacuation System

Features

- System is designed with combination of the highly efficient pumping system of a Vacuum pump and mechanical booster pump.
- Can handle large volumes of moisture in transformer’s tank.
- It is a simple “plug & play” device.
- It is easy to maintain and operate.
- It is composed of a vacuum pump, motor, separator, guages, valves and piping, on a portable base.

YOUR TRANSFORMER ALSO NEED CLEAN AIR AS WE DO

WE TAKE OUT WE WASH WE RE-FIT
**TESTING EQUIPMENTS**

**BDV Tester**
- Smooth operation from zero potential to FSV with motorized operation.
- Accurate & fast trip on breakdown.
- Digital display output, with display hold on trip.
- Open Ground interlock, Reset interlock for equipment protection

**Particle Counter**
- On-line oil particle counter of high precision.
- It adopts the principle of laser blockage method (laser shading method) to detect the size and number of solid particles in the oil.
- Based on the measurement, it does the analysis and then display the oil contamination level in various standards.

**Moisture PPM Sensor**
- Continuous online measurement of moisture in oil.
- Online, real-time detection of moisture in oil without sampling.
- Easy to install and operate. Installation through ball valve.

**ACCESSORIES**

**Filter Cartridges**
- For removing very fine solid particle from the oil.
- Consumable.

**Magnetic Strainer**
- For removing solid particles with magnetic nature mixed with the oil.
- Consumable

**Oil Storage Tanks**
- For storage of various industrial oil.
- Weather proof.
- Leakproof proof

**Oil Transfer Systems**
- For transferring of oil from one storage unit to other.
- Easy to operate.
HYDRAULIC / COMPRESSOR OIL Filtration Machines

For Solid Removal (Mono)

Features
- Filtration system is capable of removing the solid contamination.
- System can achieved desired NAS level.
- Is a portable system.
- Offers continuous filtration.
- Available in different flow capacities 500 - 5000 LPH.

Available Models
1. HOFP-005-S
2. HOFP-010-S
3. HOFP-020-S
4. HOFP-050-S

Can achieve NAS 4 and below

Solid Contamination
Liquid Contamination
We Hate Both

For Solid & Moisture Removal (Dual)

Features
- Filtration system is capable of removing the solid as well as moisture contamination.
- System can achieve desired NAS level.
- Based on filter cartridge and vacuum dehydration.
- Is a portable machine.
- Offers continuous Filtration.
- Available in Different flow capacities 500 - 5000 LPH.

Achievements
- Our filtration machines for hydraulic oil has achieved NAS level below 4 at
- Hindustan Aeronautics Limited &
- Indian Oil Corporation Limited

Available Models
1. HOFP-005-D
2. HOFP-010-D
3. HOFP-020-D
4. HOFP-050-D

Few of our esteemed customers
Turbine Oil Centrifugal Filtration Machine

Features
- Flow rate up to 500 - 5000 LPH.
- Moisture PPM improvement will be from 500 to 50 PPM.
- Portable (on castor wheels).
- Sludge holding capacity varies from 1 - 10 kgs.
- Purifies up to sub micron level.
- Moisture removal centrifuges- No consumables.
- Solid removal centrifuge- No consumables.
- Magnetic Strainer.
- Degassing Chamber.
- Heaters.
- Control Panel.

Available Models
1. UOCP-010-S
2. UOCP-010-S
3. UOCP-020-S
4. UOCP-050-S

Oil Purifier Cum Dehydration Plant

Features
- Flow rate up to 500 - 6000 LPH.
- Moisture PPM improvement will be from more than 2000 to 50 PPM.
- Trolley mounted.
- Can remove free water as well as dissolved moisture upto required level.
- Purifier centrifuge + ultra high vacuum dehydration system.
- Solid contamination removal upto sub micron level.

Available Models
1. UOPP-005-D
2. UOPP-010-D
3. UOPP-020-D
4. UOPP-040-D
5. UOPP-050-D
6. UOPP-060-D

Portable Turbine Oil Purification Machine

Features
- Portable | Trolley mounted.
- Moisture PPM improvement will be from more than 2000 to 500 PPM.
- Sludge holding capacity varies from 1 - 10 kgs.
- Purifies up to sub micron level.
- Moisture removal centrifuges- No consumables.
- Solid removal centrifuge- No consumables.
- Control Panel.

Available Models
1. UOPP-005-S
2. UOPP-010-S
3. UOPP-020-S
4. UOPP-050-S

Few of our esteemed customers
Diesel Filtration Machine

Diesel Filtration Machine is fully automatic portable fuel cleaning and filtration system based on centrifuge technology. It has 100% consumables free solid removal centrifuge.

Features
- Available in different capacities: 1000 to 5000 LPH.
- Weather proof (if required).
- Flame proof (if required).
- High sludge holding capacity.
- Very compact in size.
- Purify micron size impurities.
- Very fast cleaning.
- Able to remove solid & moisture.
- Contaminates from fuel.
- Fully automatic operation.

Available Models

<table>
<thead>
<tr>
<th>1</th>
<th>DOFP-010-D</th>
<th>2</th>
<th>DOFP-020-D</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>DOFP-050-D</td>
<td></td>
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</tr>
</tbody>
</table>

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Furnace Oil Centrifugal Filtration Machine

The presence of carbon, sludge & impurities in FO / LDO is very high which results in high rate of wear & tear of the equipment on which FO is used. Cleaning of FO with the help of centrifuge systems improves the quality of FO.

Features
- Available in different capacities: 1000 to 5000 LPH.
- Weather proof.
- Flame proof.
- High sludge holding capacity.
- Very compact in size.
- Purify micron size impurities.
- Very fast cleaning.
- Able to remove solid & moisture.
- Contaminates from fuel.
- Fully automatic operation.

Available Models

<table>
<thead>
<tr>
<th>1</th>
<th>FOFP-010-P</th>
<th>2</th>
<th>FOFP-020-P</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>FOFP-050-P</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Coolant/cutting Fluid Filtration Machine

**Features**
- Coolant/Cutting Oil processing rate varies from 1000-5000 LPH.
- Portable.
- It helps to remove chips up to 200 micron/ dust upto 5 micron.
- Chips and fine dust removal is in 2 stages.
- Collect dry chips also from the machine and shop floor.
- Can be used as a vacuum cleaner on shop floor.
- Increase the speed, efficiency & safety of machine tools.
- High vacuum capacity.
- Coolant/Cutting Oil can get cleaned and does not require changing.
- User Friendly.

Centrifugal Oil Filtration Machine

Benefits are guaranteed with the use of 100% maintenance expense free oil cleaning centrifuge system

**Features**
- Flow rate upto 10000 LPH.
- Zero wastage of oil.
- Sludge comes out in dry cake form (easy to dispose).
- Easy to operate (any unskilled person can operate).
- Compact in size (1 person can take it anywhere).
- Fast Filtration Process.

"zero Defect Zero Effect" Manufacturing Is Possible By CBS Support

Moisture and Sludge coming out after filtration
The Filtration System consists of:
- Storage Tank
- Mechanical Filtration Unit
- Vacuum Dehydration Unit
- Centrifugal Filtration Unit

Features:
- Portable (on castor wheels).
- Sludge holding capacity varies from 1-10 kgs.
- Purifies up to sub micron level.
- Moisture removal centrifuges - No consumables.
- Solid removal centrifuge - No consumables.
- Magnetic Strainer.
- Degassing Chamber.
- Heaters.
- Control Panel.

Available Models
1. UOPP-005-D
2. UOPP-010-D
3. UOPP-020-D
4. UOPP-040-D
5. UOPP-050-D
6. UOPP-060-D

Aero plans fly With our support

Thermic Fluid Filtration Machine

Benefits are guaranteed free oil cleaning centrifuge system with the use of 100% maintenance expense.

Features:
- Flow rate up to 5000 LPH.
- Removes particle size less than 5 micron.
- Zero wastage of Oil.
- Sludge comes out in dry cake form (easy to dispose).
- Easy to operate (any unskilled person can operate).
- Compact in size (1 person can take it anywhere).

Available Models
1. ICFP-010-P
2. ICFP-020-P
3. ICFP-050-P
Online Centrifugal Oil Cleaners

Centrifugal oil cleaner is a mechanical device, which purifies oil by centrifugal force action, many times more effectively than any other filtration method so far known in the world.

Centrifugal Oil Cleaner is necessary for the mating surface of machine elements in relative motion which are separated by a very thin oil film formation at contact. The film thickness generally happens to be of the order of microns. If lubricating oil incorporates dirt in the form of contaminants, debris, etc., it will destroy the protecting layer of lubricating film over the mating surfaces of machine parts. Which will further multiply component wear and premature failure of the system. The big advantage of the centrifuge is its ability to remove very fine particles of the one-tenth of a micron by centrifugal action.

Models available on different processing capacity
- EL-1 Max. Processing Capacity 100 LPH.
- EL-2 Max. Processing Capacity 250 LPH.
- EL-3 Max. Processing Capacity 1000 LPH.
- EL-5 Max. Processing Capacity 4500 LPH.
- EL-6 Max. Processing Capacity 1200 LPH.
- EL-7 Max. Processing Capacity 1300 LPH.
- EL-12 Max. Processing Capacity 3000 LPH

Centrifuge oil cleaning remove solid contamination ELIMINATOR
- Remove paper filters permanently.
- Extends oil life.
- Minimizes wear and tear of engine.
- Increases engine life.
- Reduces down time.
- Minimize maintenance cost.
- Increase contaminant holding capacity.
- No consumable cost

Centrifugal Oil Water Separators (cows) Eliminator - D Series

COWS-(Eliminator-D) is a water separator and fuel filter for HSD/LDO/ Hydraulic oil, transformer oil etc. An entirely new multistage centrifugal system ensures a 100% solution to the problem of water/moisture and particulate in fuel.

Features
- Compact design
- High efficiency
- Low flow restriction
- Long life of filter elements
- Easy installation.
- Simple maintenance
- Very high efficiency of water separation from fuel. Complete protection of injection pump, nozzles from water, dust, etc.

Application of COWS (ELIMINATOR-D)
- Automotive industry – trucks, buses, mobile cranes, dozers, dumpers, excavators etc.
- Construction equipment, compressor sets, agricultural equipment, fork lift trucks etc.
- Marine propulsion Stationary engines – generators, welding and pumping installations etc.
- Mining applications, railway locomotives.
- Special custom made versions for certain applications available.
- Trolley mounted systems for removing moisture and dust at the time of unloading of fuel and filling at petrol pumps available.

Available Models
1 COWS: ELD-2
2 COWS: ELD-3
3 COWS: ELD-4

Few of our esteemed customers
In Technical Collaboration with Euro Consultants & Engineering, Netherlands

**The sand eliminators are used**

- As a pre-filter prior to finer filtration improves efficiency and minimizes liquid loss, for effective protection for heat exchangers against fouling.
- For removing solids that clog spray nozzles and other small orifices.
- For the removal of solids from liquids in your industrial process and allow reuse of the liquid to prevent solids accumulation in sumps and basins.
- To separate part of your process cooling system minimizes accumulation of solids that typically settle in sumps and basins.
- For Comfort Cooling Filtration.

### Applications

- Source water intake
- Washing operations
- Firefighting systems
- Coolant filtration
- De-sanding
- Pump protection
- Pre filtration
- Waste water upgrading

### Benefits

- Low pressure drop
- No moving parts
- Continuous filtering
- No filter media
- Environmental friendly
- Easy installation
- Low maintenance costs
- High Efficiency
- Closed system
- Automatic purging possible

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**Can process upto 180 lakh liters of water per hour**

**Markets for our Sand Eliminator**

- Water Transport
- Water Treatment
- Chemical
- Oil & Gas
- Cooling Towers
- Energy
- Aviation
- Manufacturing
- Shipping & Dredging
- Food & Pharmaceuticals
- Agriculture & Irrigation
- Environment & Waste Water Treatment
- Automotive Industry
- Infrastructure
- Storage & Transloading
MOBILE BIO-TOILETS

Highly Distinctive Advantages
- Disposes Human Waste in a 100% eco-friendly manner.
- Generates colorless, odorless, inflammable bio gas (methane) for cooking, water & room heating etc.
- 100% solid discharge free.

Saves/Conserves
- Water, Energy, Space, Environment, Money, Time, Promotes Hygiene and Ensures Good Health.

Models available
- Trailer mounted Mobile Toilet Cluster
- Cluster of Toilet Cabins (from 4-14 cabins) as per the requirement of customer is mounted on Tractor trailer/Jeep trailer/truck. The trailer can be taken to the place where ever required
- Independently mounted Bio-Toilet for moving vehicles
- For Railway Coaches, for Buses, for Ships and Boats.

Salient Features
- Mounted on wheels and can be draged to any place for use.
- Exclusively suitable for sub zero temperature of Himalayan Region, Railway Coaches, Highways, Remote areas, Sea ports, Beaches, Mining, Metro cities etc.
- Easy to transport and install in Hilly Terrains, Railway Coaches, Metro Footpaths.
- 100% maintenance free, continuous biological process.
- Elimination of pathogens.
- Economically viable.
- No dependence on the limited and costly conventional energy sources.
- No manual handling of Human Waste.
- No repeat dosing of Bacteria.
FRP/PUF BIO-TOILETS CABINS

Highly Distinctive Advantages of FRP cabin
- The Made up of good quality Fiber Reinforced Plastic.
- The Easy to install.
- The Readymade option available in Single Pan.
- The inbuilt water and sludge tank (option available).

Highly Distinctive Advantages of PUF insulated cabin
- The walls of Bio-Toilets are insulated with Polyurethane Foam.
- Suitable for Hilly and cold Regions.
- Easy to install.
- Readymade option available in 4 Pan, 2 Pan and Single Pan.

Saves / Conserves
- Water, Energy, Space, Environment, Time, Promotes Hygiene and Ensures Good Health.

If you do not go to toilet, Toilet will come to you

Few of our esteemed customers
CbS with support of technology, developed and approved by DRDO Ministry of Defence has offered an innovative technology for disposal of human waste in an eco-friendly manner.

**Features**

- Bio-Digester tank can function at any atmospheric temperature between -40 to 45°C.
- The bacterial consortium degrades night soil at temp as low as -40°C and produces colorless, odorless, inflammable biogas contacting 50-70% methane.
- Bio-digester can be designed of mild steel and Fiber Reinforced Plastic (FRP). Bio-toilets are cylindrical structure with the provision of inlet for human waste and outlet for Biogas. Temp in these bio-toilets is maintained between 5-30°C.
- A person can use the toilet which is connected to the bio-digester. Night soil degradation occurs through microbial reaction which converts it into biogas.
- The smell of night soil, the disease causing organism in the night soil and the soil matter are almost eliminated. On dry weight basis 90% of the solid waste is reduced.
- The gaseous effluent (biogas) is continuously left off to the atmosphere.
- Biogas can be used for various energy incentive activities like cooking, water and room heating.
- Liquid effluent can be drained to any surface or soak pit without any environmental hazards.
Bio-sewage Treatment Plant (BIO-STP)

Technology behind Bio-STPs & Features
- This technology is suitable for any area and application in India.
- The process under this technology culminates into treated effluent which is free from Pathogens and is also environmentally acceptable.
- No operational cost & maintenance charges.

The technology has major three components.
- Low temp active in oculums/AMI.
- Bio-Digesters.
- Reed-Bed.

SEWAGE TREATMENT PLANT (BIO-STP)

Saves and Conserves
- Water, Energy, Space, Environment
- reed Bed & Promotes Hygiene.

A concept by CbS & DRDO

Comparision Between Normal STP and Bio-STP

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Normal STP</th>
<th>Bio-STP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>Design is complex.</td>
<td>Very Simple Design &amp; easy to work based on DRDO, Bio-digester Technology.</td>
</tr>
<tr>
<td>Installation Cost</td>
<td>Very High.</td>
<td>Far less.</td>
</tr>
<tr>
<td>Maintenance Cost</td>
<td>Maintenance required. Additional Running cost incurred in the form of man power &amp; Electricity.</td>
<td>Maintenance not required. It recovers its cost within 10 years.</td>
</tr>
<tr>
<td>Space required</td>
<td>Larger space requirement. Above the Ground Construction.</td>
<td>Very small space needed due to Under-ground</td>
</tr>
<tr>
<td>Hygiene</td>
<td>Hygienic.</td>
<td>More Hygienic than normal STPs.</td>
</tr>
<tr>
<td>Diseases</td>
<td>Water-borne diseases spread by the effluent sewage.</td>
<td>All pathogens are eliminated inside the Bio-digester Tank.</td>
</tr>
<tr>
<td>Suitability</td>
<td>Suitable for most temain.sewage.</td>
<td>Suitable for all.</td>
</tr>
<tr>
<td>By-products generated</td>
<td>Lesser Biogas in comparison to Bio-STPs.</td>
<td>Relative large amount of Biogas &amp; potable water. Bio Gas can be used in CNG Genera-</td>
</tr>
<tr>
<td>Power/Electricity</td>
<td>Required Electricity.</td>
<td>No Electricity Required (Save Lots of Money).</td>
</tr>
</tbody>
</table>
"CBR" - COMMUNITY SIZE BIO-GAS REACTOR

In Technical Association with Bhabha Atomic Research Centre (BARC), Mumbai

Features
- Converts Kitchen cooked/uncooked (biodegradable) and all types of
- Biomass into
  1. Bio-gas - 70-80% methane and only 20-30% carbon dioxide.
  2. High nutrient value of manure.
- The methane released can be used for the cooking or power generation.
- Suitable for all types of kitchen cooked/uncooked veg/non-veg and organic waste.
- Economic and eco-friendly way to process biodegradable waste.
- Useful for: Municipal Corporations, Hospitals, Hotels, Housing Societies, Corporate Canteens, Govt. Establishments, etc.

Benefits to you
- Biogas: Can be used for cooking or power generation.
- Water: Can be used for irrigation purposes.
- High Nutrient Manure.
- The cost of the Biogas Reactor will be recovered within the duration of 3 year.

IT IS NOT ONLY "कच्च्ह वाला योजना"
WE ALSO GIVE "CLEAN GAS" TO HOUSES

"DBR" - DOMESTIC SIZE BIO-GAS REACTOR

Features
- Alternative fuel for cooking gas.
- Hygienic - no odor, no flies and insects.
- Easy to install and handle.
- Completely safe.
- Small in size.
- Outlet slurry is a organic fertilizer.
- Suitable for all types of kitchen cooked/uncooked, veg/non-veg and organic waste.
- Biogas obtained: 70-80% methane.
- 250 to 600 litre of methane rich biogas daily from 1-3 Kg wastes.
- Bio Gas can be conveniently stored in biogas balloons, waste tubes or in the digester itself.
- Bones can also be processed.
- The digested discharge is free from acidic foul smell.

Few of our esteemed customers
FROM ORGANIC WASTE TO COMPOST

Developed in technical support with Defence Research & Development Organization (DRDO)

“VCM” - VERMI COMPOST MAKER

Vermi Compost Maker, comes with the motorized and manual shredder for crushing the garden/organic waste into the fine particles.

Benefits of Vermi Composting

Soil Benefits
- Increase Water Holding Capacity of Soil, Reduce Soil Erosion, Enhance Soil Productivity, Induces Resistant to Pest and disease attack.

Plant Benefits
- Crops with better taste, quality without toxic residues.
- Better plant roots growth, germination and crop yield.

Environmental & Economic Benefits
- Best & Economic practice to convert the garden/any kind of organic waste into high nutrient manure.

“W2C” - WASTE TO COMPOST

Waste to Compost Machine
- Fully Automatic Machine (electrical dehydration)
- Modular Solar Composting System
- Solar Dehydration

Features
- Waste to compost machine fully automatic with Electrical Dehyration has the capability to convert the organic waste into high quality compost in short period of time.
- Modular Solar Composting System has a shredder and a solar dehydration which removes the moisture from the wet compost with the help of the solar dehydration.
- The machine has an inbuilt shredder, composting tank with humidity sensor, heater (in electric model), mixing blades, moisture control system and air ventilating system.

Range available
- From 25 Kg processing to 1250 Kg processing capacity.
SOLAR DEHYDRATOR

Features
- Portable
- Ample Protection
- Operational Costs
- Temperature Control
- Environment Friendly
- Weatherproof Designs
- Efficient Heating Device

DUAL PUMP-YAMA
Developed by CbS R&D team
High performance energy saving positive displacement pump.

DISTINCTIVE ADVANTAGES OF DUALPUMP
- Can handle two liquids at one time.
- Saves cost, energy and electricity.
- Only one motor required to handle two liquids.
- High flow rate.
- Saves space.

SALIENT FEATURES
- Compact in size.
- Driven by one shaft.
- High efficiency.
- Low cost.
- Low noise and vibrations.
- Considerable saving in power.
- Built in pressure relief valve.
- Flow rate available from 15 LPM to 100 LPM

OIL FILTRATION SERVICE

TOTAL OIL MANAGEMENT (TOM)
Empanelled as Total Fluid Management Service Provider all over India by Indian Oil Corporation Limited

In Association with Leading Oil Companies
Total Oil Management (TOM) is a service where we deploy our trained personnel to manage your onsite oil related activities. We take a reliability focused approach and aim at establishing world class lubrication practices at your facility. We maintain your oil management processes, leaving you to focus on more important aspects of your production.

Oils covered
- Transformer Oil
- Turbine Oil
- Coolant
- Hydraulic Oil
- Diesel
- Thermic Fluid
- Quenching Oil
- Grinding/Honing Oil
- Gear/Lube Oil
- Compressor Oil
- Neat Cutting Oil
- Furnace Oil

Process

Audit → Grade Selection → Inventory → In Plant Movement → Topping Up

Disposal
Renewal (Filtration/Regeneration)
Data Analysis
Condition Monitoring
S.W.A.R.G.
Super Water Accelerated Recharge in Ground

An association of national experts working and advising the Govt. on the issues of national importance. The concept is simple, as we use bore holes to take out the under ground water, similarly we can use such bore holes to recharge the ground water in rainy seasons, this can even help in decreasing the risk of floods.

Efficiency of SWARG points

- The SWARG Points enables the faster recharging of ground water.
- As the ground water level increases the plantation in that region also gets more greener.
- These SWARG Points also helps in dealing with the flood condition.
- The depth of SWARG Point should be very close to water table if in case of rivers, ponds, lakes, etc.

www.talent58.com
Exclusive career portal for Retired Professionals

The Talent Pool of India

- Talent58.com is a startup found with the intention of bridging the gap between industry veterans and the industry (viz. organi- zations and entrepreneurs).
- Our aim is to build a quality database of highly experienced industry veterans and connect them with the most coveted opportunities. The platform serves to aggregate profiles of highly experienced subject matter experts, consultants, specialist’s at all that are available for new challenges in the form of full-time/part-time projects, consultancy and advisory roles.

IN THE MEDIA

Talent58: A Job Portal Only for Retirees and Those Looking to Retire
-By Lakshmi Sivadas - in Indians Startups

Retired professionals improving India Inc’s health by returning into the job market
-By Kala Vijayraghavan, Lijee Philip & Devina Sengupta, ET Bureau

90% organisations plan to engage their retiring workforce
-By TimesJobs.com

50% of the employees in Oil & Gas due for retirement in the next 5 to 7 years
-By Kanchana Dwarakanath, TimesJobs.com Bureauz

Firms tap retired professionals; competition experts in demand
-By Press Trust of India