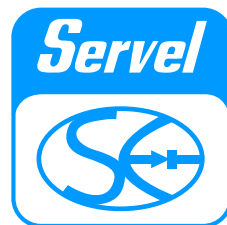


SOARING HIGH  
ON THE WINGS OF  
AMBITION



**INDIGENOUS AVIONICS  
&  
AEROSPACE SUPPORT  
EQUIPMENT**



**SERVO ELECTRONICS PVT. LTD.**  
 during the past 20 years has  
 designed, developed & manufactured  
 a number of systems for improving  
 the operational capability of  
 the IAF in the areas of  
 Avionics, Test & Ground Support  
 Equipment.



**SIATI AWARD  
 FOR EXCELLENCE IN  
 AEROSPACE INDIGENISATION  
 2002**



**SELF-PROPELLED NI-CD MIG21  
 AIRCRAFT STARTING TROLLEY**

About 200 'Servel' trolleys are operating in MIG-21 Squadrons throughout the country



**SELF PROPELLED AIR NITROGEN TROLLEY (SANT)  
 - IMPROVED**

1. All features of old SANT
2. Completely revamped the Aircraft charging Pressure Regulation System as below:-
  - a. Improved from a single variable regulator system to 4 preset regulators delivery system with pressure outputs fixed at 12, 60, 110 and 150 Bar respectively.
  - b. Each pressure output provided with a preset Pressure Relief Valve and with specially designed outout Auto Vent Valves.
  - c. Additionally, incorporates a Reverse Charging mechanism to enable on-Board Charging of Cylinders to upto 250 Bar from external Source
  - d. The system is deisgned to ensure only single regulator operation at any time to avoid human errors of oversight



**BATTERY OPERATED PLATFORM TRUCK**

1. Developed and supplied first time to Department of Arnament and Safety Equipment
2. It is battery-propelled and battery-operated
3. Crane on board for loading/unloading of Bombs
4. All the operations viz
  - Loading/Unloading of Bombs
  - Driving the trolley to the Air Craft
  - Charging of the battery from AC source
5. It is a cost effective, efficient and Air transportable trolley
6. Fully meets all specifications



**SELF PROPELLED AIR NITROGEN TROLLEY (SANT) - OLD**

1. Houses 4 Air/N2 200 Kg gas cylinders
2. Crane on board for loading/unloading of cylinders
3. It is battery-propelled and battery-operated
4. Cylinders are inter-connected to Pressure Regulator System on board
5. All the operations viz
  - Loading/Unloading of gas cylinders
  - Driving the trolley to the Air Craft
  - Charging of the gas cylinder anywhere from 0-350 Kg/Cm2 pressure
  - All operations can be carried out by one man
6. It replaces the Single Cylinder hand-carts/tractor towable 4 cylinders platform
7. It is cost effective, efficient, single man-operable Air transportable trolley
8. Fully met all DGAQA specifications



**DIGITAL REMOTE CONTROLLED DESK (DRCD) FOR AIR FIELD LIGHTING**

1. Developed and supplied first time to DES.
2. Currently installed and running at 38 airfield of IAF and at Tajikistan for night flying operations
3. Sets and remotely controls 20 constant current regultors feeding different lighting circuits on the runway
4. Microprocessor and memory based programmable ON/OFF with 5 intensity levels selectable for each circuit
5. Key lockable for all circuits to prevent tampering or unauthorised access
5. With instant "ON/OFF" / "RESTORE"
6. With remote control and indication of Landing Tee, Windsock & ATC Beacon,
7. Rechargable Ni-Cd batteries with auto charging backup in case of power failure

## AIR BORNE EQUIPMENT



### AIR BORNE 2 DIGIT CHANNEL INDICATOR

Installed in MIG aircraft.  
Indicates selected channel of Collins V/UHF R/T Sets.



### YK-9 AMPLIFIER

Air-borne equipment part of MIG pilot's helmet.  
Type approval granted by CEMILAC.

## TEST EQUIPMENT



### FREQUENCY/CHANNEL INDICATOR

Accessory of test equipment for testing Collins, USA  
V/UHF R/T Sets.



### V/UHF TEST SET

Indigenous substitution of M/s Collins, US Test Set for  
V/UHF R/T Sets.



*Designed, Developed & Manufactured by*  
**SERVO ELECTRONICS PVT. LTD.**

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