

INNOVATIONS



**ENGINEERING DEPARTMENT
KOTA DIVISION
WEST CENTRAL RAILWAY**

LIGHT WEIGHT DRILLING MACHINE



- Enhanced drilling capacity.
- 20 holes per litre of fuel.
- Drilling time <1 minute.
- Fixing time maximum 2 minutes.
- Clamping straight centrally to both axis

CORDLESS TRAIN SPEED LOGGER



- A comprehensive solution to measure and record train speed
- Setting and display of date and time
- Easy to install on railways
- Rechargeable battery fitted in side

LIGHT WEIGHT MECHANICAL Hooter



- Portable , compact and operated by single man.
- Maintenance free.
- Gives alarming sound.
- Operated effectively in rains , heat and cold weather

BATTERY OPERATED CHAMPERING KIT



- One man portable machine
- 12 V, Li-ion battery
- Low voltage/ high torque
- Battery 1300 mAh
- Charging time 01 hour
- Net weight-1.15 Kgs

HYDRAULIC TRACK ALIGNER



- Rated capacity :-20 Tons
- Related capacity:-12 Tons
- Vertical displacement:-120mm
- Axial displacement:-80mm
- Working handle force:-500 Nm
- Lift in one stroke:- 6mm
- Total weight:-25 Kg

SMART TOUCH SCREEN DIGITAL CONTINUOUS RAIL THERMO METER



- Capable to upload data to TMS
- Having in built internet connectivity solution.
- Record temperature at one minute interval.
- Customised selection of time interval for recorded data retrieval.
- Customised time and date selection for auto start recording.

GPS BASED FOOT PLATE INSPECTION DEVICE



- A comprehensive solution for footplate inspection.
- Better accuracy and faster response.
- USB connectivity for PC.
- Display date and time.
- Compatible to TMS software.

PATROLMEN POSITION TRACKER



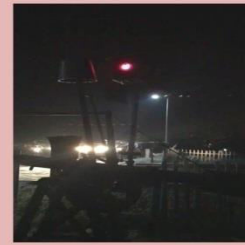
- Light weight with weather proof cover.
- GPS+LBSA-GPS fast positioning for real time monitoring
- SOS alarm and message
- Geo fence
- Two way communication
- Event log , fleet day wise, exception report, pin the location & Km summary report with time

NIGHT VISION LED BASED BANNER FLAG



- Useful at night and day both.
- Waterproof.
- Rechargeable batteries and solar power can be used.
- Easy to fix on automatic banner flags
- Long visibility more than 2 kms.

AUTOMATIC LED GATE LAMPS



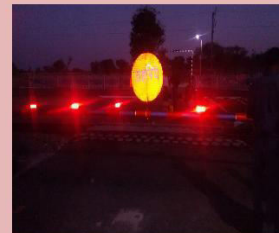
- Electricity source: Solar panel.
- Red and yellow LED lights.
- Sensor based and rain proof.
- Visibility:-1000 metres
- Running cost:-Nil

WORK SITE HIGH MAST LED LIGHTS



- Portable light weight and long life.
- Power pack with trolley to carry easily.
- Tripod stand facility
- Li-ion battery for long life.
- Adjustable height
- Maintenance free LED lights

LED BASED RAILWAY CROSSING BARRIER LIGHT



- Electricity Source:- Solar panel
- One time charging back up:-84 hrs
- Gravity sensor based and weather proof.
- Visibility 1000 metres