

Indicator at the Weighbridge

PC at Head office

Weighbridge Application Intelligent Terminal AND E-mail is a special solution for making weighment data available online. It is based on GSM-GPRS technology that uses a modem and SIM Card, which can be used to send daily reports through Email. The Email contains the attached reports in Excel file along with the Machine number and Date of Report in Subject. Email is a popular, fast, reliable form of communication that is free and easily accessible. Multiple records put together in the form of .xls comprehensive report is having added advantage over conventional style of sending each data separately. The .xls data can be further forwarded, utilized or printed as desired.

## Email Features

- Provision to program Sender's Email Id with password.
- Provision to program 5 recipients, so that the email can be sent to 5 email IDs
- Automatic Sending of Email without any hassle when date changes
- Excel format reports sent to registered mail IDs on daily basis
- Provision for Manual sending of reports by giving command through keyboard to the machine
- User can request email from any remote location by sending SMS through registered mobile number
- No need of any internet LAN connection at Weighbridge site

## Hardware Features

- Sophisticated operations powered by 32 bit ARM processor.
- Multi step calibration, smart calibration supported by 24bit ADC
- High end protection against lightning and surge using improved SMPS
- Front mount 16 X 2 LCD display and half inch LED display
- Memory of 1 lac data records
- Rs232 communication for continuous weight transmission/ Modem connectivity
- Pendrive dumping to get data records in softcopy
- Dot matrix printer connectivity using centronics / USB port
- USB keyboard connectivity



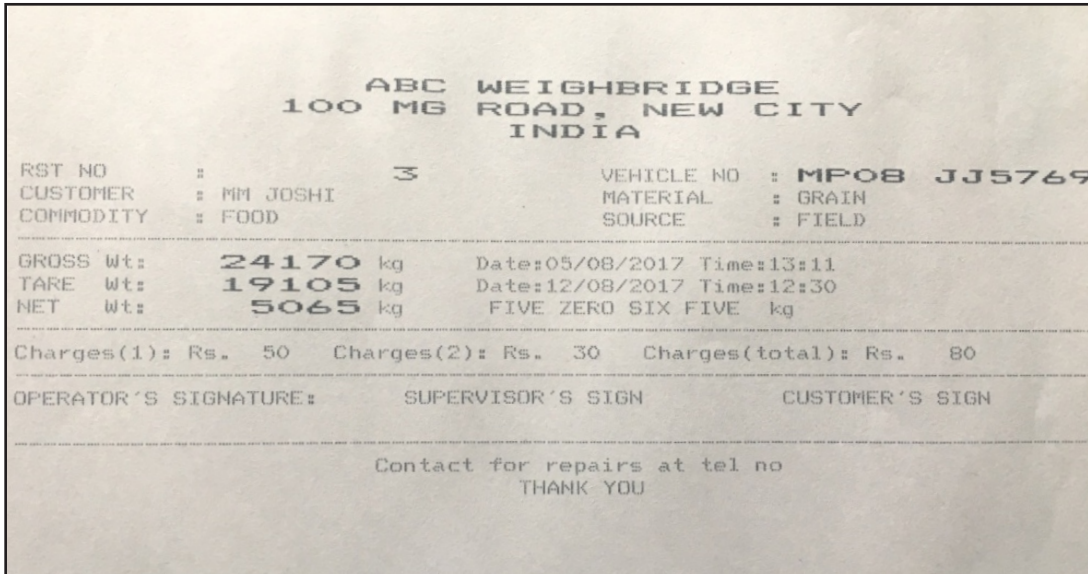
# Applications

**PUBLIC WEIGHBRIDGES**

**INDUSTRIAL WEIGHBRIDGES**

**TOLL WAYS**

## Sample Weighment Ticket



## Sample Email report screenshot

RST	VEHICLE NO	CUSTOMER	MATERIAL	GROSS WT	DATE	TIME	TARE WT	DATE	TIME	NET WT	TOTAL CHR
27	UP07 BA 1234	AVADH TRANSPORT	IRON PLATE 10MM				10250	11/11/2017	12:23		100
28	MP08 AC1265	NAKODA TRANSPORT	SARIA 10 MM	34650	11/11/2017	12:26					100
29	MS12 AB2378	TUKAJ TRAVELS	RODS 10MM	92450	11/11/2017	12:28	44710	11/11/2017	12:32	47740	200
30	TN03 AB 1276	BALAJI TRANSPORT	RODS 20MM	31130	11/11/2017	12:29					100
31	RJ02 AB2390	JAY MEWAD TRANSPORT	SARIA 10MM	44710	11/11/2017	12:31	8680	11/11/2017	12:33	36030	200
32	PB02 AB3476	KHALSA TRANSPORT	PLATE 10MM				13220	11/11/2017	12:34		100
33	GJ06 HF9658	PATEL TRANSPORTS	ANGLE 20MM	31490	11/11/2017	12:35					120
										83770	920



## Other Features

- Simple process for weighments of Tare/ Gross Vehicle weights
- 10 entries in ticket for 25 characters each
- Facility to view/print earlier saved records according to RST no/ Vehicle no
- Dynamic pre-printed setting
- Easy installation setup and its restorable backup into pen drive
- GST taxation feature (Optional)
- Engineer login for security
- Multiple SMS features for ease of weighbridge owners and clients
- Operator logins for 5 operators (Optional)
- Confidential weighment, to trap unweighed passing vehicles (Optional)
- Grain market application for rate, amount, deduction.
- Code creation facility
- Vehicle type codification for standard weighment charges
- Print on selective models of Laser printer (optional)

## Specification

Processor	32 bit ARM processor
Processor Clock	50 MHZ
Real time clock	On board battery backed RTC
RTC Clock frequency	32.768 KHz
Memory	On board memory to save 1 Lakh records
Power Supply	SMPS power supply
Input Voltage	90V to 270V AC @ 50Hz
Protection	750mA fuse for input AC mains Input line filter for EMI and RFI suppression Spike suppressor for input transients Opto-isolation of signals and I/Os for high immunity from electrical noise
Power Consumption	10 VA (approx.)
A/D converter	Sigma Delta type with 24 Bit resolution
A/D Clock	20 Hz
Conversion Speed	Internal 25 samples per second
Load cell excitation	8V DC with current capability to drive up to 12 load cells of 350 ohms input resistance
Signal Sensitivity	0.3 micro volt per division of weight (unit weight)
Display	16 characters by 2 line LCD display with backlight for displaying numerals and alphabets and 1/2" LED 7 segment red display to show weight.
Keyboard port	101-key with USB connector compatible keyboard. (Recommended for use Logitech or Microsoft)
USB Port	USB Port configured for Pen Drive/ DMP printer
Printer port	Isolated Centronics compatible printer port provided on rear panel for connecting 80-column dot matrix printer for printing of weighment record and reports
Serial port	Isolated RS-232 serial port is provided for continuous weight transfer/modem connectivity
Remote Display Port	Remote display port is provided to connect optional 1/2inch, 1inch, 2.3inch or 4inch bright red LED display to indicate the weight on the platform
Environment	Operating temperature: 0° to 55° Celsius
Humidity:	up to 95% RH non-condensing