



# KANAN WEIGHING SYSTEMS

Manufacturer, Dealer & Repairer of Electronic Weigh – Bridges & Weighing Systems



ISO 9001:2015

59, Electronic Complex, Pardeshipura, INDORE (M.P.) – 452010 (O) 4030361 – 62 FAX : 0731-4227248

REF: KWS/SFPC-WS/AA/HS/3196/22

DATE: 07/07/2022

To,  
M/s. Sariya Farmers Producer Company Ltd.  
Wakla, Dist Sambhajinagar (M.S.)

**SUB. : OFFER FOR FULLY ELECTRONIC DIGITAL 60-80 MT WEIGHBRIDGE.**

Dear Sir,

As per discussion had with undersigned. We are pleased to quote our revised offer for the supply of fully electronic weighbridge of capacity 60-80 M.T.

We also thank you for the interest shown on our products and we hope to have pleasure to supplying world – class products and services for your esteemed organization.

KANAN WEIGHBRIDGE is way ahead technology, Quality is engineered to provide accurate weight.

We are glad to inform you that as required by you the weighbridge of 60-80 MT capacity the list of major Elite Class customer in this categories are enclose.

As desired by you we are enclosing here with Quotation for your kind consideration.

If needed any clarification regarding the above, please feel free to contact us at any time.  
Thanking you and assuring you our best services.

Yours truly

FOR Kanan Weighing Systems

Anand Asrodiya  
89820 49366



## **KANAN FULLY ELECTRONIC WEIGHBRIDGE**

A fully electronic weighbridge comprises of digital weight indicator, load cells, load structure, etc. Vehicle load is applied by the load structure to load cells gets converted into analog signals, these signal are processed and calibrated weight is shown by weight indicator. Unlike traditional old type mechanical weighbridge in which load is transferred to indicating unit by knife, bearing, levers and links leading to problem of wear and tear, breakage and maintenance of mechanical parts.

The KANAN make fully electronic weighbridge having all the latest weighment facilities is approved by REGIONAL REFERENCE STANDARDS LABORATORY and WEIGHTS AND MEASURE UNIT DELHI authority (equivalent to ISI).

### **The details of the system as follows :-**

#### **1. DIGITAL WEIGHT INDICATOR CUM INTELLIGENT TERMINAL (IT) (KWS – 2000)**

KANAN KWS 2000 digital weight indicator is fully microprocessor based electronic weighing unit having inbuilt intelligent terminal. Apart from showing correct weight placed on the platform using sophisticated A/D converter it processes the data like a computer intelligent terminal i.e. Entries of weighment details (supplier name, vehicle no., material, address, charges, etc.), printing/viewing/storing of weighment tickets and summary reports as per users choice.

### **SPECIAL SPECIFICATION & FEATURES OF WEIGHT INDICATOR CUM IT :**

<b>Processor</b>	<b>8051 Core Micro Controller</b>
<b>Processor Clock</b>	<b>18 Mhz</b>
<b>Real Time Clock</b>	<b>On Board Battery Backed RTC</b>
<b>RTC Clock</b>	<b>32.768 Khz</b>
<b>Memory</b>	<b>128 K For Data Storage With Battery Backup.</b>
<b>Power Supply</b>	<b>SMPS Power Supply</b>
<b>Input Voltage</b>	<b>150 V To 270 V AC @ 50 Hz</b>
<b>Protection</b>	<b>1. 2.5 A Fuse for Input AC Mains. 2. Input Line Filter for EMI and RFI Suppression. 3. Spice Suppressor for Input Transients. Up to- Isolation Of Signal And I/Os For High Immunity For Electrical Noise.</b>
<b>Power Consumption</b>	<b>10 VA (Approx.)</b>
<b>A/D Converter</b>	<b>Sigma Delta Type With 24 Bit Resolution</b>
<b>A/D Clock</b>	<b>2 Mhz</b>
<b>Conversion Speed</b>	<b>Internal 200 Samples Per Second</b>
<b>Load Cell Excitation</b>	<b>7 V DC With Current Capability To Drive Up To 8 Load Cells Of 350 <math>\Omega</math> Input Resistance.</b>
<b>Input Signal</b>	<b>1 Microvolt To 3 Microvolt Per Division Of Weight (Unit Weight)</b>
<b>Display</b>	<b>16 Character By 2 Line LCD Display With Back Light For Displaying Numerals And Alphabets For Data Entry.</b>
<b>Key Board Port</b>	<b>For Connecting A Standard IBM PC AT 101-Key Compatible Key Board</b>
<b>Printer Port</b>	<b>Isolated Centronics Compatible Printer Port Provided On Rear Panel For Connecting 80 Column Dot Matrix Printer For Printing Of Weighment Records &amp; Reports.</b>
<b>Serial Port</b>	<b>Isolated RS-232 Serial Port Is Provided For PC Interfacing Or Driving Remote Display.</b>
<b>Remote Display Port</b>	<b>Remote Display Port Is Provided To Connect Optional 1 Inch Bright Red LED Display To Indicate The Weight On The Platform.</b>

## Features:

1. **Five – Step Calibration:** Achieve perfect and error free calibration, to get accurate weight.
2. **Smart calibration :** From key board without using actual test weights.
3. **Passwords:** Passwords protection can be set for avoiding unauthorized access. Different passwords for Operator and Managers.
4. **Date and time setting :** Current date and time can be programmed by this feature .The real time will be stored and printed for weighment records and at the time of taking reports , date and time could be use as a base .
5. **Ticket Formatting :** Indicator having ticket formatting facility i.e. user himself can modify Header, Footer, No. Of Ticket Copy, Line Feed, Charges Entry, Decimal point setting.
6. **Weight tracking:** This is a facility provided to generate stable weight on display in loaded platform condition.
7. **Summary Reports:** Date wise, party wise, material wise summary reports can be obtained.
8. **Time printing in Ticket:** Printing of weighment time in ticket can be enabled or disabled.
9. **Public / Industrial weighbridge selection :** This can be set in public mode so that whenever weight on the platform is higher than 500kg, the display will not show weight unless and until the weighment is being taken. This helps to avoid misuse of weighbridge and weighment .The Industrial mode selection enables the normal weight display all the time.
10. **Data Saving Through Serial Port :** All the data in memory can be dumped to computer RST wise or date wise and Excel File can be generated.

## 2. ELECTRONIC PRINTER (MAKE EPSON)

This is Fully electronic Dot Matrix Printer, which can print Weight with accuracy and clarity. The printer is suitable for operation on 220 +/-10% volts.  
The Printer can print the following information :

RST No. / Vehicle No.	Date & Time
Gross Weight	Serial No.
Tare Weight	Supplier / Customer Name
Net Weight	Commodity Name & Quantity

The Weighbridge is also have special feature like :

1. Electronic balance director for printing of only correct weight as the printing of weight is done only after the scale is actually balanced.
2. Automatic zero tracking even if small particles of dirt water accumulates on the scale platform during continuous weighment.
3. Convenient zero adjustment by push button.

### 3. DIGITAL LOAD CELLS

Load cells having safe over load capacity 150% of rated capacity Load cells are temperature compensated & hermetically sealed conforming to IP – 68 protection code suitable for use in all types of environmental conditions.

#### Description of Digital Load Cell

Digital Load Cell are basically a combination of analog cell and an analog to digital convertor mounted on the Load Cell itself. The Digital Load Cell are calibration and are capable of transmitting the weight on the Load Cell in digital form.

#### Advantage of Digital Load Cell

- Analog to Digital converter is mounted on the Load Cell. This reduces the noise pick up and delivery a very stable analog signal from Load Cell for ADC conversion. When a high quality analog signal is obtained for ADC conversion. It will give more accurate weight display with low noise.
- Since each Load Cell has its own ADC the internal resolution increase multiple times. This facilitates offering of a very small Weight graduation for display. For example in a conventional Weigh Bridge using 4 nos. 30t analog Load Cell of 2mv/V output a minimum of 5 kg resolution is obtained for stable Weight display. However when a similar Weigh Bridge is designed using 4 nos. 30t Digital Load Cell, we can get a resolution of 2 kg.
- Digital Load Cell are pre calibrated and hence no field calibration is required. The Digital Load Cell can be directly mounted on the Weigh Bridge and the Weight obtained without any need for calibration. In case of exceptional structure deformity or mounting assembly defects, the Weight display can be adjusted using smart calibration feature which only requires entering the correction factor using the sky board on the Weight Indicator.
- Corner correction is normally not required when the Weigh Bridge is designed using digital Load Cell. However, in case of exceptional structure deformity or mounting assembly defects, the corner errors can be removed with minimal efforts. Only correction factors are to be entered through key board for corner error correction.
- Since the Load Cell are pre calibrated, it offers a facility of easy field replace ability. After field replacement, no calibration and no corner correction is required.

### 4. LOAD STRUCTURE

The heavy-duty load structure of the weighbridge is designed to receive and transmit the weight without undue deflection. The platform is perfectly balanced throughout its length so that the location of weight at any position of the weighbridge will not affect the accuracy of weighbridge. The anti skid plates are fabricated on the top of platform to avoid skidding of vehicle.

<u>SCOPE OF SUPPLY:</u>	<u>SCOPE OF WORK AT YOUR END:</u>
1. WEIGHT INDICATOR	1. CIVIL FOUNDATION
2. REMOTE DISPLAY	2. ELECTRIFICATION (POWER & POWER BACKUP)
3. 08 NO. DIGITAL LOAD CELL (30 MT EACH)	3. EARTHING
4. PRINTER 80 COL DOT MATRIX (EPSON)	4. UNLOADING AND FITTING FACILITY
5. LOAD CELL ASSEMBLY	5. HYDRA / CRANE
6. MECHANICAL STRUCTURE	6. FREIGHT

**PRICE OF KANAN FULLY ELECTROINIC WEIGHBRIDGE**

CAPACITY	60-80 MT
DIVISION SIZE	10 KG
PLATFORM SIZE	15 M x 3 M
BASIC PRICE	Rs. 11,01,695/-
GST @ 18%	Rs. 1,98,305/-
CIVIL WORKS & OTHERS (APPROX. COST)	Rs. 3,50,000/-
<b>TOTAL</b>	<b>Rs. 16,50,000/- (Rs. Sixteen Lakh Fifty Thousand Only)</b>

**TERMS & CONDITIONS:**

**DELIVERY:**

The Weighbridge will be delivered within a period of 4 to 5 week from the date of receipt of your order with advanced payment. (While we hope to deliver the systems within the above-stipulated period any delay to any circumstances beyond our control will not hold us liable for any loss/losses resulting from such delays).

**PAYMENT:**

30% advance  
70% balance before delivery of the equipments inspection of weighbridge at our works or against Performa Invoice.

**TAX:** As per above table.

**FREIGHT :** AS ACTUAL (EXTRA).

**OCTORI & TOLL TAX:**As applicable at the time of dispatch.

**CIVIL FOUNDATION:**

You shall construct the necessary civil foundation required for the installation of the weighbridge at your cost. However, we shall provide foundation drawing immediately after the receipt of your confirmed order during the course of civil construction if any assistance is required from our side the same will be provided free of charges.

**WARRANTY:**

The equipment supplied by us bears one year's WARRANTY against any part/parts found defective will be repaired/replaced free of charges provided the machine is not mishandled. At the same time the warranty doesn't cover any damage due to weigh-bridge Accident / Lightening / Natural Calamity.

**AFTER SALES SERVICE:**

After sales service will be carried out through our branch office/resident engineer situated at  
Madhya Pradesh : INDORE, BHOPAL, GWALIOR, SHIVPURI, REWA, JABALPUR.  
Chattisgarh : RAIPUR, BILASPUR. Maharashtra :DHULE, NASHIK, YEOLA, MUMBAI, NAGPUR  
AURANGABAD. Gujrat :ANAND, VADODARA. Rajasthan :KOTA, CHITTORGARH.

THANKING YOU

FOR Kanan Weighing Systems



Anand Asrodiya  
89820 49366

