

BLACK SANSUI ELECTRONIC

Weight

OFF :- PLOT NO – 15A, AMBIKA NAGAR MANEWADA ROAD

NAGPUR. Ph. 9762779888, 9970398130

Date: 07-11-2022

To,

The Shembaleshwar Farmers Producers Co.Ltd.
At: Shembaleshwar Tq: Pusad
Dist: Yavatmal

Subject : Offer for 120 Ton Capacity '**Black Sansui**' Digital Electronic Weighbridge with 7'' TFT Color Display Intelligent Terminal.

Respected Sir,

We thankfully acknowledge receipt of your above refer inquiry for '**Black Sansui**' Electronic Weighbridge. We are pleased to introduce ourselves as one of the leading manufacturer of Electronic weighbridge & Process Automation Systems in India. We are focused to deliver innovative & value added products in our segments.

We are pleased to submit our techno-commercial offer to provide you with product information, guidelines, and specifications as hereunder.

<u>Particular</u>	<u>Type of Mounting</u>
Model No :	
Capacity : 120 Ton	Pit Less
Resolution : 20 kg	

Please find enclosed annexure 1 to 5 for all technical details, specifications & price.

- Annexure 1 Technical specifications of digitizer (Intelligent Terminal).
- Annexure 2 Specification of weighbridge & structure.
- Annexure 3 Specification of load cell.
- Annexure 4 Specification & Scope of supply.
- Annexure 5 Price, General terms & conditions .

We now look forward to a long and mutually fruitful business association with your esteemed organization.

If you require any further clarification / confirmation, please feel free to contact us.

Thanking you,

Yours sincerely,

For, **Black Sansui Electronic Weight**



Abhishek Gumpalwar
Mob No: 9762779888

Annexure - 1

TECHNICAL SPECIFICATIONS OF BLACK SANSUI INTELLIGENT TERMINAL (DIGITIZER)

Model NO	:	SSWB 25
SYSTEM	:	Digitizer with SQL data management facility
TYPE OF SYSTEMS	:	Microprocessor Based
NUMBER OF LOADCELL	:	06 Nos. high Precision Digital Load cell
INTELLIGENT TERMINAL (DIGITIZER)	:	7" TFT Color Display (with 200 RGBX480 Dots Resolution)
USB PORT	:	USB port for Keyboard USB port for laser Printer USB port for Pen Drive
PARALLEL PORT	:	Dot matrix Printer
SERIAL PORT	:	RS232 for communication
MEMORY	:	Storage of 2800 weighment transactions

OPERATING STANDARDS

SUPPLY VOLTAGE	:	230V+10%, 50Hz+1%, Single Phase AC
POWER	:	10VA Max.
OPERATING TEMPERATURE	:	5° c to 55° C

Features:

- Large 7" TFT Display is also used for displaying data & entering data through keyboard during the process of weighment.
- Parallel printer port for connecting a standard 80-column dot matrix printer for printing weighment slip and reports.
- RS232 serial port for transmission of data to computer.
- Remote display port for connecting 6-digit 7 segment numeric display of weight.
- Load cell port for connecting up to 10 load cells for collecting weight signal from platform through load cell

Software Features:

Five customized fields like Vehicle number, Commodity, Party etc can be set as per requirements.

Code's can be generated & stored along with tare weight of vehicle for repeatedly used data, which helps in speeding up weighing operations.

Operators promoting menu based user friendly operations.

Reports like Date wise, vehicle wise, commodity wise, party wise etc can be generated, printed & exported (CSV file format) in USB Pen Drive.

Name & Password of operators can be set for shift wise operations.

Calibration reminder can be set with name of Inspector, Contact details & Verification.

Certificate number Built in GSM Modem for SMS facility (Optional).

Annexure 2

SPECIFICATION OF WEIGHBRIDGE

Capacity	:	120 Ton.
Type	:	Static, Single Platform.
Mounting	:	Pit less.
Resolution	:	20 kg.
Cycle Of weighment	:	Stationary.
Duty	:	Continuous .

SPECIFICATION OF WEIGHBRIDGE STRUCTURE:

Material of Construction	:	Fresh Mild Steel. Only single section Rolled Beams without Splice Joints or Butt Weld.
Top deck	:	MS I-Beam 400 X 250 mm 200 X 100 mm, 200 X 100 mm MS 10 mm plate with antiskid grippers spread across the plate area. Weight 6500 Kgs Approx

SILENT FEATURES OF 'BLACK SANSUI' PIT LESS WEIGHBRIDGE:

- High strength reinforced mild steel weighbridge structure.
- Designed for heavy weighment & harsh environment.
- Each & every parts are dismantle for easy transportation and installation.
- Load cell assembly is designed and manufactured very precisely to absorb excessive impact force caused when vehicle enters & leave weighbridge.
- All load cell are mounted on mounting assembly for better accuracy and repeatability.
- Less expensive due to less civil construction required then pit mounted weighbridge .
- Economically and easily maintained and service as entire deck is mounted above the ground level.
- Ribs are welded continuously across I-beam which ensures extra strength to weighbridge deck..

Annexure 3

SPECIFICATION OF LOADCELL:

TECHNICAL PERAMETER:

Rated Load	:	120 Ton
Sensitivity	:	$2.0 \pm 0.002\text{Mv/v}$
Total error	:	$\pm 0.02\% \text{F.S.}$
Creep (30 min)	:	$\pm 0.02\% \text{F.S.}$
Zero balance	:	$\pm 1\% \text{F.S.}$
TCO	:	$\pm 0.02\% \text{F.S./}10^\circ\text{C}$
TC Spa	:	$\pm 0.02\% \text{F.S./}10^\circ\text{C}$
Input resistance	:	$750 \pm 10\Omega$
Output resistance	:	$703 \pm 2\Omega$
Insulation Resistance	:	$\geq 5000 \text{M}\Omega$
Operating Temp. Range	:	30 TO 70°C
Safe load limit	:	150% F.S.
Lateral Load Limit	:	300% F.S.
Recommended excitation	:	10-12 V DC
Maximum excitation	:	15 V DC
Protection Class	:	IP68
Construction	:	Alloy Steel
Cable length	:	12 m ($\text{Ø}6\text{mm}$)

BREIF:

Six numbers strain gauge type cup ball load cell are used to sense the weight of the vehicle. Strain gauge load cell is primarily a column of corrosion resistant super tough alloy of high tensile strength steel, the deflection of which is negligible under load. This deformation is sensed by foil type strain gauges which are bonded on to the load cell column and connected to form a balanced wheat stone bridge. The electrical output from the Wheatstone bridge is proportional to the load acting on column.

Each load cell is designed to take an overload up to twice the rated capacity thus ensuring sufficient overload capability for the weighbridge.

Annexure 4

SCOPE OF SUPPLY PER SYSTEM:

Moving platform including angle & fasteners	:	1 Set
High precision Digital load cells	:	06
Junction box	:	01 No.
Digitizer (Intelligent Terminal MIT-2800A-ABS)	:	01 No.
Armored shield special load cell cable	:	15 m
80 column Dot Matrix Printer – Epson LX 310	:	01 No.
USB Key keyboard	:	01 No.

Things / Facilities To be Provided At Purchaser End:

- Civil works such as excavation, laying of foundation for pit/ ramp, foundation bolts, grouting etc.
- Dust free weigh cabin within 3 meter of weighbridge platform with windows so that operator get full view of weighbridge platform during weighing operation.
- Stabilized power supply with proper earthing, plug point and main switches for weighbridge electronics.
- Test weights for purpose of weighbridge calibration with load-unload labor.
- Labor, water, power and necessary tools and tackles required for erection at site.
- Any other item not specifically mentioned in our scope of supply
- Men assistance during installation.
- Lifting equipments with operators for lifting heavy components.
- Welding electrodes & welding machine at the time of installation
- Cable ducting from weighbridge platform to weigh cabin.

Annexure 5

General terms and conditions:

1. Basic Price : Rs. 7,19,800/-
2. GST : GST 18 % Including
3. Installation : Installation & commissioning charges included, however client Will have to arrange for lifting equipments with operators for Lifting heavy components during installation.
4. Freight : Extra
5. Delivery : Within 6 weeks from the date of technically and commercially Cleared order along with advance.
6. Stamping : One time Government stamping charges included.
7. Payment : 50% advance along with order & 25 % against P.I prior to dispatch & Balance 25 % After Installation.
8. Warranty : The equipment will be warranted for the period of 12 months from date of delivery against any manufacturing defects or faulty workmanship
9. Validity : This Offer is valid till 15 days from the date of hereof.

Yours sincerely,

For, **Black Sansui Electronic Weight**



Abhishek Gumpalwar
Mob No: 9762779888

(Proprietor)