



**BHOPAL SAHAKARI DUGDH SANGH MARYADIT HABIBGANJ, BHOPAL 462024**

AN ISO 9001 : 2008 Certified Organization

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Ref No: 1 /BSDS/Engg/2018

Date: 05/04/2018

**NOTICE INVITING E-TENDER**

Online Tenders are invited for **supply, installation & commissioning of Modular type Electronic Road Weigh Bridge (Pitless) capacity 60 MT on Turnkey basis including civil, electrical and mechanical work at main dairy plant Habibganj, Bhopal alongwith long term CAMC** from reputed firms/Auth.dealers involved in the field of manufacturing of weigh bridge. The tender documents containing the terms and conditions can be purchased online & downloaded through website <http://www.mpeproc.gov.in> from 06.04.2018 11.00 AM onwards. The tender will be opened in the office of the undersigned as mentioned in tender time schedule(key date). The detailed Tender Form can be seen (only for reference) at our H.O website: [www.mpcdf.gov.in](http://www.mpcdf.gov.in) OR [www.mpcdf.nic.in](http://www.mpcdf.nic.in).

Name of item	EMD (Rs)	Tender Fee (Rs)	Bid submission due date & time	Tender opening (Envelope-A)	Financial Bid Opening
<b>Modular type Electronic Road Weigh Bridge (Pitless) capacity 60 MT on Turnkey basis</b>	40,000/-	1,000/-	25.04.2018 02.30 pm	25.04.2018 03.00 pm	27.04.2018 03.30 pm

*CHIEF EXECUTIVE OFFICER*

**TENDER COST: Rs. 1,000/-**

**DOCUMENTS**

E- TENDER CALL FOR SUPPLY, INSTALLATION AND COMMISSIONING OF MODULAR TYPE ROAD WEIGH BRIDGE (PITLESS) CAPACITY 60 MT ON TURNKEY BASIS INCLUDING CIVIL ,MECHNICAL AND ELECTRICAL WORK AT MAIN DAIRY PLANT HABIBGANJ BHOPAL ALONGWITH LONG TERM CAMC.

CHAPTER I : GENERAL TERMS & CONDITIONS

CHAPTER II : TECHNICAL SPECIFICATIONS FOR WEIGH BRIDGE.

CHAPTER III : TECHNICAL BID (FORM A & B).

CHAPTER IV : FINANCIAL BID

CHAPTER V : SCHEDULE OF QUANTITIES

PLACE OF OPENING OF TENDER : MEETING HALL, BHOPAL SAHAKARI  
DUGDH SANGH MYDT, HABIBGANJ, BHOPAL

ADDRESS FOR COMMNUCATION : TO, THE CEO  
BHOPAL SAHAKARI DUGDH SANGH MYDT,  
HABIBGANJ, BHOPAL

**NOTE: - THIS TENDER DOCUMENT SHOULD BE FILLED IN AND BE SIGNED ON EACH PAGE BY THE TENDER OR BIDDER IN TAKEN OF HAVING READ, UNDERSTAND AND AGREED TO ITS TERMS AND CONDITIONS.**

**CHIEF EXECUTIVE OFFICER**

**Tender Details Annexure-I**

<b>Tender level Details</b>			
Tender No: *		Tender Creation Date and Time:	
NIT No: *		Title: *	
Notice Invited for:	Tender	Stage:	<b>II</b>
Tender Call: *	<b>1<sup>st</sup></b>	Currency:	Indian Rupee
Email: *		Division/Basin: *	
District:	<b>Bhopal</b>	Vendor Class: *	
Tender Category: *	<b>Procurement</b>	Tender Sub category: *	<b>Machineries</b>
Period of Completion (In months): *	<b>1 ½ months</b>	Tender Type:	
Form Of Contract:		SOR:	
Name of Work: *	<b>Electronic Road Weigh Bridge 60MT</b>	Work No: *	
<b>Tender Fee details</b>			
Probable Amount of Contract(PAC) in: *		EMD in :*	<b>40,000/-</b>
Cost of Document in: *	<b>1,000/-</b>	Processing Fee in :	
<b>Important Dates</b>			
Purchase of Tender Start Date : *	<b>6.4.2018 11.00 am</b>	Pre bid meeting Date and Time:	
Purchase of Tender End Date: *	<b>25.4.2018 12.00 Noon</b>	Bid Submission End Date: *	<b>25.4.2018 2.30 pm</b>
Mandatory Submissions (Envelope A) Open Date: *	<b>25.4.2018 3.00 PM</b>	Technical Proposal (Envelope B) Open Date: *	<b>25.4.2018 3.10 PM</b>
Financial Bid (Envelope C)Open Date: *	<b>27.4.2018 3.30 pm</b>		

\* Mandatory field

## **CHAPTER - I**

### **General Terms & Conditions for tender submission & supply**

BHOPAL SAHAKARI DUGDH SANGH MYDT, BHOPAL INVITES ONLINE TENDERS FROM REPUTED FIRMS/AUTH. DEALER INVOLVED IN THE FIELD OF MANUFACTURING OF WEIGH BRIDGE FOR SUPPLY AND INSTALLATION OF MODULAR TYPE ELECTRONIC ROAD WEIGH BRIDGE (PITLESS) CAPACITY 60 MT ON TURNKEY BASIS INCLUDING CIVIL, ELECTRICAL AND MECHANICAL WORK ALONGWITH LONG TERM CAMC SHALL BE STRICTLY IN ADHERENCE TO THE DETAILED SPECIFICATIONS GIVEN IN THE **CHAPTER II** OF THE TENDER FOR MAIN DAIRY PLANT HABIBGANJ, BHOPAL.

#### **A2. INSTRUCTION TO BIDDER / TENDERER**

**A2.1** BEFORE SUBMISSION OF THE OFFER, BIDDERS IS REQUESTED TO INSPECT THE SITE AND GET THEMSELVES ACQUAINTED WITH THE SITE CONDITIONS. ANY MODIFICATION OF OFFER OR CLAME IN FUTURE IN LIEU OF SITE CONDITIONS SHALL NOT BE ENTERTAINED.

**A2.2** BIDDER SHOULD READ ALL TERMS & CONDITIONS OF TENDER THOROUGHLY BEFORE FILLING TENDER ONLINE.

**A2.3** SCANNED COPY OF EMD, SUPPORTING DOCUMENTS TO BE UPLOADED WHEREVER REQUIRED.

**A2.4** FINANCIAL BID SHALL BE FILLED ONLINE ONLY. PHYSICAL FORM OF FINANCIAL BID WILL BE REJECTED OUTRIGHTY HOWEVER TECHNICAL BID IS TO BE SUBMITTED IN PHYSICAL ENVELOPE ALONG WITH EMD.

**A2.5** FORM A & FORM B ENCLOSED IN CHAPTER II OF TENDER TO BE DOWNLOADED, FILLED AND SCANNED COPY OF FORM A & FORM B SHOULD BE UPLOADED ONLINE.

**A2.6** DETAILS OF DOCUMENTS TO BE UPLOADED ONLINE:-

**I) ENVELOPE (A) SCANNED COPY OF E.M.D.**

**II) ENVELOPE (B) TECHNICAL BID ALONG WITH THE DOCUMENTS REQUIRED FOR ELIGIBILITY CRITERIA.**

**III) ENVELOPE (C) FINANCIAL BID**

#### **A3. SCOPE OF SUPPLY IS AS UNDER:**

**A3.1** DESIGN,ENGINEERING,MANUFACTURING,TESTING,INSPECTION,SUPPLY,ERECTION,COMMISSIONING AND STAMPING OF 60MT PIT-LESS,MODULAR TYPE ELECTRONIC ROAD WEIGHBRIDGE COMPLETE WITH KIT ,INDICATOR, LOAD CELLS ,PLATFORM,LED DISPLAY,P.C.,PRINTER,UPS ETC,WITH MANUFACTURE'S TEST

CERTIFICATES AS PER THE TECHNICAL SPECIFICATIONS AND TECHNICAL DATA SHEET. THE ENTIRE JOB IS TO BE UNDERTAKEN ON TURNKEY BASIS COVERING MECHANICAL, CIVIL & ELECTRICAL WORKS INCLUDING SUPPLY OF ALL REQUIRED MATERIAL FOR CIVIL CONSTRUCTION & ELECTRICAL WORKS. BIDDER SHALL POSSESS THE REQUISITE MANUFACTURING & TESTING FACILITIES AND EXPERIENCE & EXPERTISE TO MANUFACTURE AND SUPPLY OF WEIGH BRIDGE.

**A3.2** COMPREHENSIVE AMC INCLUDING COST OF ALL MATERIALS AND LABOUR FOR 2<sup>ND</sup> YEAR TO 5<sup>TH</sup> YEAR (1 YEAR BEING INCLUDED IN ITEM (A3.1) ABOVE). AMC INCLUDED ALL REPAIR WHATSOEVER THE REASON MAY BE AND TIME TO TIME STAMPING & CALIBRATION AS REQUIRED.

#### **A4. EARNEST MONEY DEPOSIT**

**A4.1** ALL THE TENDERERS SHALL BE REQUIRED TO DEPOSIT EARNEST MONEY AS SPECIFIED IN THE FORM OF CROSSED DEMAND DRAFT/BANKER'S CHEQUE IN FAVOUR OF "BHOPAL SAHAKARI DUGDH SANGH MARYADIT" PAYABLE AT BHOPAL.SUBMISSION OF EMD BY ANY OTHER MODE OTHER THAN SPECIFIED ABOVE SHALL NOT BE ACCEPTABLE AND THE RELATED TENDER SHALL NOT BE ELIGIBLE FOR BID.

#### **A4.2 EARNEST MONEY DEPOSIT IS: Rs. 40,000/- (RS FORTY THOUSANDS ONLY)**

SCANNED COPY OF EMD TO BE UPLOADED ONLINE & ORIGINAL TO BE SUBMITTED ALONG WITH THE TECHNICAL DOCUMENTS PHYSICALLY UPTO **02:30 PM on 25.4.2018** IN SEALED ENVELOPE SUPERSCRIBING TENDER NUMBER & TENDER REFERENCE AT BHOPAL SAHAKARI DUGDH SANGH MYDT, BHOPAL (ADMIN SECTION). TENDERS WITHOUT EMD WILL BE REJECTED.

**A4.3** ANY TENDER WHICH IS NOT ACCOMPANIED BY EARNEST MONEY DEPOSIT IS LIABLE TO BE REJECTED.EARNEST MONEY DEPOSIT OF UNSUCCESSFUL TENDERERS WILL BE RETURNED AGAINST WRITTEN REQUEST WITHIN **90 CLEAR DAYS** FROM THE DATE OF OPENING OF TENDER. THE EARNEST MONEY DEPOSIT OF THE SUCCESSFUL TENDERER WILL BE RELEASED ON COMPLETION OF SUPPLY /WORK AS THE CASE MAY BE WITHIN THE STIPULATED PERIOD.

**A4.4** NO INTEREST WILL BE PAID FOR THE EARNEST MONEY DEPOSIT.

#### **A5. SECURITY DEPOSIT /PERFORMANCE GUARANTEE: -**

THE SUCCESSFUL BIDDER MUST DEPOSIT THE SECURITY AMOUNT/ PERFORMANCE GUARANTEE FEES @10% OF ORDERED VALUE WITH THE BSDS AFTER ISSUE OF THE ORDER EITHER IN SHAPE OF CASH OR DEMAND DRAFT OR IN SHAPE OF IRREVOCABLE BANK GUARANTEE WHICH WILL BE RELEASED AFTER EXPIRY OF GUARANTEE PERIOD. AFTER DEPOSIT OF THE SD/PG THE EMD OF SUCCESSFUL BIDDER WILL BE REFUNDED.

#### **A6. PRICE**

**A6.1** PRICE OFFERED BY THE TENDERERS SHOULD BE FIRM AND FREE FROM ANY ESCALATIONS. THE PRICES OFFERED SHOULD BE VALID AT LEAST FOR A PERIOD OF 12 MONTH FROM THE DATE OF OPENING OF THE FINANCIAL BID.

**A6.2** THE RATES QUOTED BY TENDERER SHOULD BE INCLUSIVE OF ALL APPLICABLE TAXES, TRANSPORTATION CHARGES ETC.

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Signature & seal of tenderer/Bidder

## **A.7 ELIGIBILITY CRITERIA FOR TECHNICAL BID**

**A7.1** MINIMUM EXPERIENCE OF CONSECUTIVE 5 YEARS IN SETTING UP OF PITLESS MODULAR TYPE ELECTRONIC ROAD WEIGH BRIDGE OF CAPACITY MENTIONED ABOVE. AVERAGE TOTAL TURNOVER OF THE TENDERER FOR LAST 5 YEARS SHOULD BE MORE THAN RS 1.00 CRORES P.A. TENDERER SHOULD HAVE RECEIVED SINGLE ORDER OF MORE THAN RS 10.00 LACS FROM ANY GOVT. ORGANIZATION /PVT. ORGANIZATIONS/CO-OPERATIVE DAIRY FEDERATIONS.

**A7.2** TENDERER SHOULD SUBMIT COPIES OF WORK ORDER OR COMPLETION CERTIFICATE OR PERFORMANCE CERTIFICATE FOR WORK EXECUTED IN LAST FIVE (05) YEARS.

**A7.3** TENDER WILL BE REJECTED IN ABSENCE OF ABOVE DOCUMENTARY PROOFS.

**A7.4** MAXIMUM EXPERIENCE IN DAIRY/FOOD/BEVERAGES/OIL INDUSTRY WILL HAVE ADVANTAGE FOR PERFORMANCE IN TENDER OPENING.

**A7.5** TENDERER SHOULD HAVE VALID ACCREDIATION FOR SET UP OF WEIGH BRIDGES.

**A7.6** MANUFACTURING LICENCE FROM LEGAL METROLOGY AUTHORITES (COPY SHOULD BE ENCLOSED)

**A7.7** MODEL APPROVAL CERTIFICATE FROM GOVT. OF INDIA (COPY SHOULD BE ENCLOSED)

**A7.8** IN CASE OF COMPANY AUTH. DEALER, A CERTIFICATE OF AUTHORIZATION FROM CONCERNED COMPANY (COPY SHOULD BE ENCLOSED)

**A7.9** TENDERER SHOULD HAVE SKILLED AND EXPERIENCE TEAM OF TECHNICIAN /ENGINEERS IN THE FIELD OF WEIGH BRIDGES INSTALLATION AND COMMISSIONING.

**A7.10** TENDERER SHOULD HAVE VALID ISO 9001:2008 CERTIFICATION OR UPDATED VERSIONS.

**A7.11** OWN FACILITY AUTH. DEALER IN MADHYA PRADESH TO PROVIDE AFTER SALES SERVICE HAVING VALID REPAIRING LICENCE FROM LEGAL METHROLOGY DEPARTMENT MADHYA PRADESH (COPY SHOULD BE INCLOSED)

## **A.8 TENDER OPENING**

**A8.1** TENDER WILL BE OPENED ONLINE ON SCHEDULED DATE AND TIME IN FRONT OF TENDER COMMITTEE AND REPRESENTATIVE OF TENDERER.

**A8.2** TECHNICAL BID WILL BE OPENED FIRST ALONG WITH EMD ONLINE AS WELL AS PHYSICALLY & ONLY ON VERIFICATION OF EMD, TECHNICAL BID & SUPPORTING DOCUMENTS, FINANCIAL BID WILL BE OPENED FOR THOSE TENDERER WHO QUALIFIES IN TECHNICAL BID OPENING.

## **A9. INSURANCE:**

THE CONTRACTOR SHALL AT THE TIME OF EXECUTION OF THE AGREEMENT INSURE AT HIS COST THE WORKS AND KEEP THEM INSURE UNTIL THE VIRTUAL COMPLETION AND TAKING OVER THE WORKS BY THE DEPARTMENT AGAINST ACCIDENT, LOSS OR DAMAGE BY FIRE, FLOOD, EARTHQUAKE ETC IN ANY OFFICE TO BE APPROVED BY DEPARTMENT IN THE JOINT NAME OF THE FORMER BEING PLACED FIRST IN THE POLICY FOR THE AMOUNT OF WORKS.

## **A.10 PAYMENT TERMS**

**A10.1** 30% PAYMENT SHALL BE RELEASED AFTER COMPLETION OF CIVIL AND ELECTRICAL WORK (COPPER EARTHING) WORK.

**A10.2** 40 % PAYMENT SHALL BE RELEASED AFTER RECEIPTS OF EQUIPMENTS & OTHER ACCESSORIES

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Signature & seal of tenderer/Bidder

/MACHINERIES AT SITE.

**A10.3** BALANCE 20% AFTER COMPLETION AND SUCCESSFUL TRIAL RUN & TEST.

**A10.4** 10% WILL BE RELEASED AFTER SUBMISSION OF BANK GUARANTEE EQUAL TO 10 % OF ORDER VALUE TOWARDS PERFORMANCE BANK GUARANTEE OF ONE YEAR FROM THE DATE OF COMMISSIONING.

**A.11 DEFECT LIABILITY PERIOD**

THE DEFECT LIABILITY PERIOD WILL BE 12 MONTHS FROM THE DATE OF SATISFACTORILY COMPLETION OF THE AWARDED WORKS.ANY DEFECT/DEFECTS FOUND DURING THIS PERIOD WILL BE RACTIFIED BY THE SUCCESSFUL BIDDER AT HIS OWN COST.IN CASE THE INTIMATED DEFECT/DEFECTS HAVE NOT BEEN RACTIFIED WITHIN THE TIME PERIOD PROVIDED THEN THE SAME WILL BE RACTIFIED DEPARTMENTALLY/BY ENGAGING OTHER AGENCY AND THE COST OF THE RACTIFICATIONS WILL BE RECOVERED FROM THE SECURITY DEPOSIT AND THE BIDDER MAY BE BLACK LISTED.

**A.12 GENERAL TERMS AND CONDITIONS**

**A12.1** THE ACCEPTANCE OF THE TENDER AND AWARD OF THE WORK ORDER WILL BE THE SOLE RIGHT OF THE CEO BSDS .WHO DOES NOT BIND HIMSELF TO ACCEPT A TENDER IN WHOLE OR PART OR REJECT ANY OR ALL THE TENDERS RECEIVED WITHOUT ASSIGNING ANY REASON AND NO EXPLANATION CAN BE DEMANDED OF THE CAUSE OF REJECTION OF THE TENDER BY ANY TENDERER. IF THE TENDERER FAILS TO COMPLETE THE AWARDED WORKS WITHIN THE STIPULATED TIME MENTIONED IN WORK ORDER THEN HE MAY BE BLACK LISTED AND EMD MAY ALSO BE FORFEITED.

**A12.2** NO RESPONSIBILITY SHALL BE ATTACHED FOR PREMATURE OPENING OF TENDER, NOT PROPERLY ADDRESSED AND IDENTIFIED.THE TENDERS RECEIVED AGAINST THE ADVERTISEMENT UPTO SPECIFIED TIME LIMIT SHALL BE CONSIDERED.

**A12.3** NEGLIGENCE ON THE PART OF TENDERER IN FILLING THE TENDER OFFERS HAS NO RIGHT TO WITHDRAW THE TENDER AFTER IT HAS BEEN OPENED.

**A12.4** THE TENDERER SHOULD POSSESS REQUISITE LICENCE ISSUED BY THE RESPECTIVE STATE AUTHORITY FOR MANUFACTURING OF ELECTRONIC WEIGH BRIDGES AS REQUIRED UNDER “THE STANDARDS OF WEIGHTS AND MEASURES ACT”. IT WILL BE MANDATORY TO POSSESS REPAIRING LICENCE FOR THE WEIGH BRIDGES AS PER THE,”THE STANDARDS OF WEIGHT AND MEASURE ACT” IN MOST OF THE STATES. THE TENDERER SHOULD POSSESS MODEL APPROVEL CERTIFICATE ISSUED BY THE DIRECTORATE OF MELROGY GOVT. OF INDIA, NEW DELHI/COPY OF SUCH LICENCE ISSUED BY STATE AUTHORITY. MODEL APPROVAL UPTO 60 MT FROM NSIC/SSIC/DIC SHOULD BE FURNISHED AS PRESCRIBED IN TENDER NOTICE WITH THE TECHNICAL BID.

**A12.5** CORRECTIONS, IF ANY, IN THE TENDER SHOULD BE NOTED OVER AND SHOULD BE SIGNED AT THE PLACES OF EACH CORRECTION MADE.

**A12.6** THE CEO BSDS, RESERVES THE RIGHT TO PLACE ORDER FOR SOLE REQUIREMENT WITH ANY TENDERER OR SPLIT THE ORDERS AMONG ONE OR MORE TENDERERS.

**A12.7** THE TENDER RECEIVED AGAINST THE ADVERTISEMENT UPTO THE SPECIFIED TIME LIMIT ONLY SHALL BE CONSIDERED. THE BSDS SHALL NOT BE BOUND TO ACCEPT LOWEST RATE TENDER.

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Signature & seal of tenderer/Bidder

**A12.8** THE SUBMISSION OF A TENDER BY A TENDERER IMPLIES THAT HE HAS READ THE NOTICE AND CONDITIONS OF THE TENDER AND THE TERMS AND CONDITIONS OF CONTRACT AND HAS MADE HIMSELF AWARE OF SCOPE AND SPECIFICATION OF THE WORKS TO BE DONE AND SATISFIED HIMSELF REGARDING THE QUALITY AND SPECIFICATIONS OF THE ARTICLES.

**A12.9** IF EQUIPMENT GOES OUT OF ORDER WITHIN THE FREE GUARANTEE PERIOD OR SUBSEQUENT MAINTENANCE CONTRACT PERIOD AND THE SUPPLIER IS INFORMED ABOUT IT, IT MUST BE ATTENDED TO WITHIN 24 HOURS COUNTED FROM THE TIME THE SERVICE CALL IS PLACED BY BSDS. IF THE MACHINE IS NOT REPAIRED WITHIN 24 HOURS PENALTY @ RS.2000/- PER DAY + ACTUAL COST INCURRED TOWARDS ALTERNATE WEIGHMENT SHALL BE DEDUCTED FROM THE BILL .REPEATED LAPSES IN PROMPT REPAIRING MAY LEAD TO CANCELLATION OF CONTRACT.

**A12.10** THE TENDERERS SHOULD SUBMIT FILLED TENDER IN ENCLOSED FORMAT ONLY.

**A12.11** THE CONDITIONAL TENDERS SHALL BE REJECTED.

**A12.12** EACH PAGE OF TECHNICAL BID OF TENDER AND ITS ENCLOSURE SHOULD BE SIGNED WITH SEAL BY THE TENDERER.

**A12.13** THE SUCCESSFUL TENDERER SHALL NOT SUBLET THE SUPPLY OR ASSIGN TO ANY OTHER PARTY OR PARTIES, THE WHOLE OR ANY PORTION OF THE CONTRACT.

**A12.14** AT ANY STAGE OF THE WORK IF IT IS NOT FOUND SATISFACTORY THEN THE AWARDED WORK SHALL BE TERMINATED.

**A.13 TIME PERIOD FOR AWARDED WORKS**

THE TIME PERIOD FOR THE EXECUTION AND SATISFACTORILY COMPLETION OF THE AWARDED WORKS WILL BE **45 DAYS** FROM THE DATE OF THE ISSUES OF THE WORK ORDER.

**A.14 LIQIDATED DAMAGES**

THE TIME PERIOD OF THE AWARDED WORKS AND THE DATE OF DELIVERY OF THE MATERIALS /SERVICES STIPULATED IN THE WORK ORDER SHALL BE DEEMED TO BE ESSENCE OF THE CONTRACT. ONCE FIRM DELIVERY DATE ARE FIXED FOR SUPPLY OF MATERIAL, THEY SHALL BE STRICTLY ADHERED TO. IN CASE THEY ARE NOT FOLLOWED OR IN CASE OF DELAY IN EXECUTION OR NON EXECUTION OF THE ORDER, BSDS RESERVES THE RIGHT EITHER TO CANCEL THE ORDER OR MAKE ALTERNATIVE PURCHASE/ARRANGE THE COMPLETION OF JOB FROM OTHER SOURCES, AT THE RISK AND COST & EXPENSE OF THE DEFAULTING SUPPLIER .IN CASE THE SUPPLIERS & SERVICES ARE NOT AFFECTED AS PER THE SCHEDULE.THE LIQUIDATED DAMAGES MAY BE CHARGED ON THE GOODS/SERVICES NOT SO DELIVERED AS UNDER

<b>S.No.</b>	<b>Duration of delay</b>	<b>Liquidated Damages</b>
1.	15 DAYS	1%
2.	15 to 30 DAYS	2%
3.	Beyond 30 DAYS	5%

**A15. AGREEMENT:**

THE CONTRACTOR SHALL HAVE TO DRAW AN AGREEMENT WITH THE DEPARTMENT WITHIN SEVEN (07) DAYS FROM THE DATE OF ISSUES OF WORK ORDER. THE AGREEMENT SHOULD BE ACCOMPANIED WITH A

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Signature & seal of tenderer/Bidder



COPY OF THE WORK ORDER.EACH PAGE OF WHICH SHALL BE DULY STAMPED AND SIGNED BY THE CONTRACTOR TO FORM PART OF THE AGREEMENT. FORMAT OF AGREEMENT WILL BE PROVIDED BY BSDS.

**A.16 WHARFAGE/DEMURRAGE**

WHARFAGE/DEMURRAGE ETC. ON ACCOUNT OF INCORRECT OR DELAYED DISPATCH OF MATERIAL OF DOCUMENT SHALL BE THE RESPONSIBILITY OF SUPPLIER AND SHALL BE RECOVERED FROM HIS BILL.

**A17. FORCE MAJEURE:**

ANY FAILURE OR OMISSION TO CARRY OUT THE PROVISIONS OF THE CONTRACT SHALL NOT GIVE RISE TO ANY CLAIM BY THE DEPARTMENT OR THE APPROVED SUPPLIER /CONTRACTOR ONE AGAINST THE OTHER IF SUCH FAILURE OR OMISSION ARISES FROM AN 'ACT OF GOD' WHICH SHALL INCLUDE ALL NATURAL CALAMITIES SUCH AS FIRES, EARTHQUAKES, FLOODS, RIOTS, STRIKES, HURRICANES, EMBARGOES OR FROM ANY POLITICAL OR OTHER REASONS BEYOND THE CONTROL OF PARTIES INCLUDING WAR, WHETHER DECLARED OR NOT, CIVIL WAR OR A STATE OF INSURRECTION.

**A.18 CANCELLATION OF CONTRACT IN FULL OR PART.**

**A.18.1** WHEN THE CONTRACTOR HAS MADE HIMSELF LIABLE FOR ACTION UNDER ANY OF THE CASES AFORESAID, THE BSDS SHALL HAVE POWERS.

**A18.1.1** TO DETERMINE OR RESCIND THE CONTRACT AS AFORESAID (OF WHICH TERMINATION OR RESCISSION NOTICE IN WRITING TO THE CONTRACTOR BY THE BSDS SHALL BE CONCLUSIVE EVIDENCE) UPON SUCH DETERMINATION OR RESCISSION, THE SECURITY DEPOSIT OF THE CONTRACTOR SHALL BE AT THE DISPOSAL OF THE BSDS.

**A18.1.2** TO EMPLOY LABOUR PAID BY BSDS TO SUPPLY MATERIALS AND TO SUPPLY EQUIPMENT TO CARRY OUT WORKS OR ANY PART OF WORKS DEBITING THE CONTRACTOR WITH THE COST OF THE LABOUR AND THE PRICE OF THE MATERIALS AND EQUIPMENTS ( OF THE AMOUNT OF WHICH THE COST AND PRICE CERTIFIED BY BSDS SHALL BE FINAL AND CONCLUSIVE) AND CREDITING HIM WITH THE VALUE OF THE WORK DONE IN ALL RESPECTS IN THE SAME MANNER AND AT THE SAME RATES AS IF IT HAS BEEN CARRIED OUT BY THE CONTRACTOR UNDER THE TERMS OF HIS CONTRACT . THE CERTIFICATE OF BSDS AS TO THE VALUE OF THE WORK DONE SHALL BE FINAL AND CONCLUSIVE PROVIDED ALWAYS THAT ACTION UNDER THIS SUBCLAUSE SHALL ONLY BE TAKEN AFTER GIVING NOTICE IN WRITING TO THE CONTRACTOR.PROVIDED ALSO THAT IF THE EXPENSES INCURRED BY THE BSDS ARE LESS THAN THE AMOUNT PAYABLE TO THE CONTRACTOR AT HIS AGREEMENT RATES,THE DIFFERNCES SHALL NOT BE PAID TO THE CONTRACTOR . PROVIDED FURTHER THAT THE BSDS SHALL HAVE THE OPTIONS OF TAKING OVER ALL OR ANY OF THE UNUSED MATERIAL OF THE CONTRACTOR LYING AT THE SITE AT THE TIME OF RESCISSION OF THE CONTRACT AT THEIR SUPPLY PRICE OR AT THE CURRENT MARKET RATE WHICH EVER MAY BE LESS .ALTERNATIVELY CLEARNCES OF THESE MATERIALS AS ALSO DEBRIS, IF ANY FROM THE SITE SHALL BE DONE AT THE COST OF THE CONTRACTOR.

**A18.1.3** AFTER GIVING DUE NOTICE TO THE CONTRACTOR TO MEASURE UP THE WORK OF THE CONTRACTOR AND TO TAKE SUCH PART THEREOF AS SHALL BE UNEXECUTED OUT OF HIS HANDS AND TO GIVE IT TO

ANOTHER CONTRACTOR TO COMPLETE AT THE RISK AND COST OF THE ORIGINAL CONTRACTOR.,IN WHICH CASE ALL EXPENSES WHICH MAY BE INCURRED IN EXCESS OF THAT WHICH WOULD HAVE BEEN PAYABLE TO THE ORIGINAL CONTRCTOR,IF THE WORK HAD BEEN EXECUTED BY HIM (OF THE AMOUNT WHICH IS EXCESS,THE CERTIFICATE IN WRITING OF THE BSDS SHALL BE FINAL AND CONCLUSIVE) ,SHALL BE BORNE AND PAID BY THE ORIGINAL CONTACTOR AND MAY BE DEDUCTED FROM ANY MONEY DUE TO HIM BY THE BSDS UNDER THIS CONTRACT.

**A18.1.4** IN THE EVENT OF ANY ONE OR MORE OF THE ABOVE COURSES BEING ADOPTED THE CONTRACTOR SHALL HAVE NO CLAIM TO COMPENSATION FOR ANY LOSS SUSTAINED BY HIM BY REASON OF HIS HAVING SUPPLIED OR PROCURED ANY MATERIALS OR ENTERED INTO ANY AGREEMENT OR MADE ANY ADVANCES ON ACCOUNT OR WITH A VIEW TO THE EXECUTION OF THE WORK OR THE PERFORMANCE OF THE CONTRACT,PROVIDED IN CASE ACTION IS TAKEN UNDER ANY OF THE PROVISIONS AFORESAID ,THE CONTRACTOR SHALL BE ENTITLED FOR PAYMENT ONLY FOR SUCH PORTION OF THE WORKS ACTUALLY EXECUTED UNDER THIS CONTRACT AND PROVIDED THE BSDS HAS CERTIFIED IN WRITING THAT THE EXECUTION OF SUCH WORKS HAS BEEN IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT AND ALSO THE VALUE PAYABLE IN RESPECT THEREOF.THE RELEASE OF SUCH PAYMENT DUE TO THE CONTRACTOR IS SUBJECT TO CONDITIONS UNDER CLAUSE-A.12 AND OTHER PROVISIONS OF THIS CONTRACT.

**A18.2** THE BSDS MAY WITHOUT PREJUDICE TO ANY OTHER REMEDY OR RIGHT OF CLAIM FOR BREACH OF CONTRACT, BY GIVING NOT LESS THAN **15 (FIFTEEN) DAYS** WRITTEN NOTICE OF DEFAULT TO THE CONTRACTOR, TERMINATE THE CONTRACT IN WHOLE OR IN PART.

#### **A.19 DISPUTE ARBITRATION & FINAL AUTHORITY**

**A19.1** IT SHOULD BE CLEARLY UNDERSTOOD THAT IN THE EVENT OF TENDERER FAILING TO ACCEPT AND EXECUTE THE WORK ORDER, DECISION OF THE CEO, BSDS, IN THIS RESPECT WILL BE FINAL AND BINDING ON THE TENDERER.

**A19.2** AT THE TIME OF SUBMITTING THE TENDER, TENDERER SHALL SUPPLY DETAILED INFORMATION ABOUT ACTIVITIES IN THE ENCLOSED FORM.

**A19.3** FOR ALL THE MATTERS OF DISPUTE BETWEEN SUPPLIER AND BSDS, CEO BSDS SHALL BE SOLE ARBITRATOR FOR RESOLUTION OF ISSUES AND HIS DECISION SHALL BE FINAL AND BINDING ON BOTH (CONTRACTOR AND BSDS)

**A19.4** FOR ALL THE JUDICIAL ISSUES THE VENUE OF JURISDICTION SHALL BE BHOPAL ONLY.

**CHIEF EXECUTIVE OFFICER**

## **CHAPTER II**

### **B). TECHNICAL SPECIFICATIONS**

#### **TECHNICAL SPECIFICATIONS FOR WEIGH BRIDGE**

##### **B.1 GENERAL**

**B1.1** MANUFACTURER SHALL SUPPLY WEIGH BRIDGE IN ACCORDANCE WITH THE WEIGH BRIDGE SPECIFICATION SHEETS ALONG WITH AUXILIARIES, IF ANY, WHEREVER SPECIFIED IN THE SPECIFICATION SHEETS, SUBJECT NOTES AND OTHER ENCLOSURE TO THE REQUISITION.

**B1.2** MANUFACTURER SHALL QUOTE IN STRICT ACCORDANCE WITH THE WEIGH BRIDGE TECHNICAL SPECIFICATIONS AND ALL OTHER ENCLOSURES TO THE REQUISITIONS. DEVIATIONS TO THE SPECIFICATIONS AND OTHER ENCLOSURES OF THE REQUISITIONS, IF ANY, SHALL BE SOUGHT BY THE MANUFACTURER AS EXPLAINED IN CLAUSE 2.

**B1.3** ALL CODES AND STANDARDS FOR MANUFACTURING, TESTING, INSPECTION ETC. SHALL BE OF LATEST EDITIONS.

##### **B.2 DOCUMENTATION**

**MANUFACTURER SHALL SUBMIT THE FOLLOWING WITH THE OFFER.**

**B2.1** MANUFACTURER'S COMPLETE DESCRIPTIVE AND ILLUSTRATIVE CATALOGUE/LITERATURE.

**B2.2** DETAILED DIMENSIONED, CROSS SECTION DRAWING WITH PARTS/MATERIAL LISTS, WEIGHT ETC. FOR THE WEIGH BRIDGE TO MANUFACTURER'S STANDARD.

**B2.3** DRAWINGS FOR WEIGH BRIDGE WITH ACCESSORIES LIKE LOAD CELLS, PLATFORM etc GIVING MAJOR SALIENT DIMENSIONS.

**B2.4** ONE COPY OF THE ENTIRE SPECIFICATIONS OF THIS SPECIFICATIONS FOR WEIGH BRIDGE SIGNED AS "ACCEPTED" BY THE MANUFACTURER WITH ALL DEVIATIONS MARKED CLEARLY.

**B2.5** UPON FAILURE TO SUBMIT DOCUMENTS AS SPECIFIED IN CLAUSES (i) TO (iv) ABOVE, THE OFFER IS LIKELY TO BE REJECTED.

**B2.6** UPON PLACEMENT OF LOI/ PURCHASE ORDER, WHICHEVER IS EARLIER, MANUFACTURER SHALL SUBMIT DRAWINGS FOR APPROVAL MENTIONED IN ITEM NO (II) AND (III) .BEFORE STARTS OF MANUFACTURING.

**B2.7** TEST REPORTS SHALL BE PREPARED & PROVIDED FOR ALL MANDATORY TESTS.

**B2.8** MATERIAL TEST CERTIFICATES (PHYSICAL PROPERTIES, CHEMICAL COMPOSITION & HEAT TREATMENT REPORT PARTS) SHALL BE FURNISHED IN ADHERENCE TO APPLICABLE CODES/ STANDARDS.

### **B.3 DESIGN AND CONSTRUCTION**

WEIGH BRIDGE SHALL BE DESIGNED, MANUFACTURED, TESTED, INSPECTED AND MARKED AS PER THE MANUFACTURING STANDARD, DESIGN CODES AND STANDARDS (LATEST EDITION) INDICATED IN THE WEIGH BRIDGE SPECIFICATION SHEETS. ANY CONFLICT BETWEEN THE REQUISITION, ENCLOSURE, SPECIFICATION SHEETS AND REFERRED STANDARD CODES SHALL BE BROUGHT TO THE NOTICE OF THE PURCHASER FOR CLARIFICATION, BUT GENERALLY SPECIFICATION SHEETS AND ENCLOSURES OF THE REQUISITION INCLUDING SUBJECT NOTES SHALL GOVERN. NO DEVIATION TO SPECIFICATION / STANDARDS SHALL BE PERMITTED THROUGH MANUFACTURER DRAWING APPROVAL. APPROVAL OF DRAWING SHALL BE VALID ONLY FOR DESIGN FEATURES.

### **B.4 INSTALLATION /FITTING OF MACHINERY**

**B4.1** ALIGNMENT AND ADJUSTMENT OF MACHINERY SHALL BE CARRIED OUT BY SKILLED AND EXPERIENCED MACHINERY FITTERS.

**B4.2** ALL MACHINERY SHALL BE ASSEMBLED FITTED AND MOUNTED IN SUCH A MANNER THAT ALL NECESSARY CLEARANCE SHALL BE RETAINED.

**B4.3** THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY ALIGNMENT AND ADJUSTMENT OF STRUCTURE; MACHINERY AND EQUIPMENT TO OBTAIN EFFICIENT OPERATION OF THE EQUIPMENT

**B4.4** ERRORS, OMISSIONS AND MISFITS SHALL NOT BE CORRECTED BY BURNING EXCEPT WITH PERMISSION OF BSDS.

### **B.5 TOOLS OF REPAIR AND MAINTENANCE:**

THE SPECIAL TOOLS REQUIRED FOR REPAIR AND MAINTENANCE OF THE EQUIPMENTS SHALL BE SUPPLIED FREE OF COST.

### **B.6 INSPECTION AND TESTING**

EVERY WEIGH BRIDGE, ITS COMPONENTS AND AUXILIARIES SHALL BE SUBJECTED BY THE MANUFACTURER TO ALL THE MANDATORY TESTS AND CHECKS CALLED FOR IN THE RESPECTIVE CODES/SPECIFICATIONS (TO BE SUBMITTED BY THE MANUFACTURER AFTER AWARD OF PO). THOUGH THE EXTENT OF INSPECTION BY PURCHASER SHALL BE AS UNDER BUT THE EXACT EXTENT OF HOLD POINTS SHALL BE MUTUALLY DECIDED BY THE PURCHASER OR MANUFACTURER AND RECORDED IN THE INSPECTION TEST PLAN (TO BE SUBMITTED BY THE MANUFACTURER AFTER AWARD OF PO):

THE LIST OF SUCH TESTS SHALL INCLUDE THE FOLLOWING AS A MINIMUM:

1. PHYSICAL & VISUAL INSPECTION OF COMPONENTS & PARTS OF WEIGH BRIDGE - 100 %
2. DIMENSIONAL INSPECTION OF WEIGH BRIDGE - 100 %
3. ALL WEIGH BRIDGE SHALL BE TESTED AS PER TECHNICAL SPECIFICATIONS.
4. PHYSICAL CHECKING OF OPERATION OF THE WEIGH BRIDGE.
5. OPERATION TIME.
6. VERIFYING THE TEST CERTIFICATES.
7. READINGS OF LOAD IN DISPLAY UNIT & MEMORY BACK UP IN PC.
8. MEASUREMENT OF PLATFORM LENGTH
9. OPERATION OF LOAD CELLS

- 10. OPERATIONS OF THE WEIGH BRIDGE
- 11. REVIEW OF MANUFACTURER'S TEST CERTIFICATES FOR THE LOAD CELLS.
- 12. AFTER ASSEMBLY, THE WEIGH BRIDGE SHALL BE SUBJECT TO THE FOLLOWING TESTS:
  - 12.A MANUFACTURER TEST CERTIFICATE OF THE WEIGH BRIDGE & ITS VARIOUS COMPONENTS, INDICATING DETAILS OF MATERIALS FOR INDIVIDUAL ITEMS & SCOPE OF INSPECTION INDICATED ABOVE , SHALL BE PROVIDED ALONG WITH SUPPLIES.ALSO VERIFICATION OF MATERIAL OF CONSTRUCTION (THROUGH MILL TEST REPORT )  
QUANTUM OF CHECK: 100 %
  - 12. B CYCLIC LOAD TEST ON LOAD CELLS & STRESS /FATIGUE ANALYSIS OF EACH TYPE SHALL BE DONE (CERTIFICATES SHALL BE OFFERED FOR VERIFICATION DURING INSPECTION).  
QUANTUM OF CHECK: 100%
  - 12. C BENDING MOMENT TEST FOR PLATFORM SHALL BE DONE (CERTIFICATES SHALL BE OFFERED FOR VERIFICATION DURING INSPECTION).  
QUANTUM OF CHECK: 100%
  - 12. D CERTIFICATE FOR CHEMICAL ANALYSIS OF LOAD CELLS & PLATFORM MATERIALS  
QUANTUM OF CHECK: 100%
  - 12. E ANY OTHER MANDATORY OR SUPPLEMENTRY TESTS

**B7. OPERATION:**

ALL THE OPERATIONAL CHECKS HAS TO BE SATISFACTORILY DONE AT FACTORY AND SITE.

**B8. SUPERVISION DURING INSTALLATION AND COMMISSIONING**

THE VENDOR HAS TO SEND THEIR TECHNICAL EXPERT DURING INSTALLATION AND COMMISSIONING OF WEIGH BRIDGE WITHIN 48 HOURS OF INTIMATION FROM BSDS ON READINESS OF SITE.

VENDOR WILL SUBMIT 2 COPIES OF ALL THE TEST CERTIFICATES TO OFFICE (ENGINEERING) OFFICE (IM.)

**B9. SPARE PARTS**

RECOMMENDED SPARE PARTS SHALL BE LISTED SEPARATELY.

**B10. GAURANTEE**

SUPPLIER SHALL PROVIDE FULL GUARANTEE AGAINST ANY MANUFACTURING DEFECTS / POOR WORK MANSHIP / INFERIOR DESIGN OR QUALITY ETC, FOR A PERIOD OF 12 MONTHS FROM THE DATE OF COMMISSIONING OR 18 MONTHS FROM THE DATE OF DELIVERY WHICHEVER IS EARLIER.DURING THIS PERIOD,SUPPLIER WILL ARRANGE TO REPAIR / REPLACE ANY DEFECTIVE PART FREE OF COST OR REPLACE COMPLETE ITEM AS REQUIRED . SUPPLIER SHALL GUARANTEE THAT ALL THE MATERIALS SHALL BE SUPPLIED IN BRAND NEW CONDITION.

**B11. DESPATCH**

**B11.1** WEIGH BRIDGE SHALL BE DRY, CLEAN AND FREE FROM MOISTURE, DIRT AND LOOSE FOREIGN MATERIALS OF ANY KIND.

**B11.2** WEIGH BRIDGE SHALL BE PROTECTED FROM RUST, CORROSION AND ANY MECHANICAL DAMAGE DURING TRANSPORTATION, SHIPMENT AND STORAGE.

**B12.NOTE**

**B12.1** THE SUCCESSFUL BIDDER IS REQUIRED TO SUBMIT THE CONSTRUCTION DRAWINGS AS PER THE SPECIFICATIONS FOR BSDS'S APPROVAL WITHIN 10 DAYS OF PLACEMENT OF LOI/PO.THE DRAWINGS SHALL BE APPROVED BY BSDS WITHIN ONE WEEK OF THE SUBMISSION OF THE DRAWINGS BY THE PARTY.

**B12.2** WEIGH BRIDGE MANUFACTURES/THEIR REPRESENTATIVE HAVING OWN OR THEIR PRINCIPAL OR MANUFACTURING FACILITY RELATING TO LOAD CELLS AND RELATED ELECTRONICS INSTRUMENTS AND WEIGH BRIDGE COMPONENTS SHALL BE GIVEN PREFERENCE.

**B12.3** MANUFACTURES, THEIR REPRESENTATIVES/ AUTHORIZED DEALER SHOULD HAVE APPROPRIATE LICENCE FOR THE INSTALLATION OF THE WEIGH BRIDGE SYSTEM FROM DIRECTORATE OF METROLOGY GOVERNMENT OF INDIA/STATE GOVERNMENT.

**B12.4** WEIGH BRIDGE MANUFACTURES /THEIR REPRESENTATIVES MUST HAVE THEIR OFFICE IN BHOPAL/STATE OF MADHYA PRADESH OR MUST HAVE EFFICIENT NETWORK TO PROVIDE THEIR SERVICES WITHIN 24 HOURS IN CASE OF ANY MAJOR BREAKDOWNS.

**B12.5** TRAINING FOR OPERATION AND MAINTENANCE OF THE EQUIPMENTS SHALL BE IMPACTED BY THE SUCCESSFUL TENDERER TO OPERATING /MAINTENANCE PERSONNEL OF BSDS FOR A TOTAL PERIOD OF 2 (TWO) WEEKS AT SITE. TRAINING COST SHALL BE BORN BY THE SUPPLIER .THE LIST OF OPERATION & MAINTENANCE PERSONNEL EARMARKED FOR TRAINING SHALL BE PROVIDED BY BSDS AND TRAINING SCHEDULE SHALL BE DRAWN JOINTLY.

#### Technical Data Sheet

S.NO.	Particulars		QTY.	Detailed Specification
<b>A.</b>	<b>Modular type Electronic Road Weigh Bridge</b>		<b>1 NO.</b>	
	A1	Capacity		60 MT
	A2	Platform Size		9M x 3M
	A3	Accuracy (Resolution)		(+/-) 10 kg
	A4	Type		Pit less Type
	A5	Platform Material Standard		Structure Steel IS2062 -2006
	A6	Make		Jindal/Tata/Essar/SAIL
	A7	Platform Design		Modular,welded,sealed,low-profile,sandwich construction.Scalable design
	A8	Design Testing		Finite element analysis

Signature & seal of tenderer/Bidder

A9	Anti Skid Mechanism		Chequered top
A10	Platform		FULLY WELDED MODULAR STRUCTURE
A11	Complete detailed specification of Weigh bridge		Sandwich construction with top & bottom plates 6mm thick & 2 mm thick respectively. Top plates are chequered. Powder coated modular guide rail. The tenderer will indicate the approximate weight of steel structure indicating the details and sizes of structures to be used for 60 MT Weigh Bridge.
A12	Structure Painting		Structure is copper shot blasted to swedish standard SA 2 1/2 and followed by two coats each of epoxy primer and epoxy paints with overall DFT of 80-120 micron to protect steel structure from rust.

**Technical Data Sheet**

S.NO.	Particulars		QTY.	Detailed Specification
<b>B.</b>	<b>Load Cell</b>		<b>06 NO.</b>	<b>OIML approved (Certificate to be provided)</b>
	B1	Type		Digital (Compression type) Load cell Preferred Indian Make.
	B2	Capacity		Minimum 40 T each
	B3	Minimum no. of load cell		Minimum 6 (Six) NO
	B4	Excitation (Recom.)		max 20 V AC/DC
	B5	Input Resistance		560-620 OHM
	B6	Output Resistance		480 OHM Nominal
	B7	Rated output		1.75mV /V to 2mV /V
	B8	Zero Balance		1 % of rated output or better
	B9	Combined Error		0.02 % or better
	B10	Repeatability		0.010 % of rated output
	B11	Return to zero after 30 min creep preiod at rated output		0.015% of rated output

Signature & seal of tenderer/Bidder

	B12	Temperature effect on rated output (-10°C to + 55°C)		0.0010%/°C of rated output
	B13	Temperature effect on zero balance (-10°C to +55°C)		0.0009% /°C of rated output
	B14	Insulation Resistance (Minimum)		5000 Mega OHMS
	B15	Overload rating without affecting performance		150 % of rated capacity ( Standard)
	B16	Overload rating ( Ultimate)		> 225 % rated output( Provide cert: from authorised test house)
	B17	Resistance to dirt & Moisture		Hermetically sealed conforms to IP 69 welded ,filled with inert gas(certIFICATE to be provided)
	B18	Material		Stainless Steel -304
	B19	Non- Linearity		<0.01
	B20	Hysteresis		<0.0165

#### Technical Data Sheet

S.NO.	Particulars		QTY.	Detailed Specification
<b>B.</b>	<b>Load Cell</b>			<b>OIML approved (Certificate to be provided)</b>
	B21	Accuracy Class		OIML R 60; C5 (certificate to be provided)
	B22	Calibration		Factory Pre- Calibrated
<b>C.</b>	<b>Digital Indicator</b>		<b>01 NO.</b>	<ul style="list-style-type: none"> <li>• Micro processor based indicator</li> <li>• Indicator has SS housing with IP67 protection</li> <li>• Upto 12 load cells can be connected with this indicator</li> <li>• Dual purpose Alpha Numeric key board.</li> <li>• 14 points field diagnostics feature</li> <li>• 10 points linearity correction to ensure maximum accuracy</li> </ul>
	C1	Model		



			<ul style="list-style-type: none"> <li>Delta Sigma A to D converter @120 per second</li> <li>Blue back lit LED ,graphics upto 64x240 pixel display</li> <li>8 digit character size 17 mm x 10 mm</li> </ul>
	C2	Serial Interface	Rs 232/485/422/ or Rs232/20 MA current loop.
		LAN Interface	RJ 45 /LAN Ports for ethernet connectivity.
<b>D.</b>	<b>Jumbo Display</b>		<b>1 NO.</b> LED 57 MM( Blue lit LED)
<b>E.</b>	<b>PC</b>		<b>1 NO.</b> PC (HP/Dell make), Celeron/Atom 1.8 -2.6GHz, 500GB, 2 GB RAM, win 7 proff, 22” TFT.
<b>F.</b>	<b>Printer</b>		<b>1 NO.</b> 80 col. Dot Matrix printer(TVSE/Epson make)
<b>G.</b>	<b>Inverter</b>		<b>1 NO.</b> 850 VA sineWave inverter with battery and battery rack, 2 Hr backup (APC/Microteck make)

**Technical Data Sheet**

<b>S.NO.</b>	<b>Particulars</b>	<b>QTY.</b>	<b>Detailed Specification</b>
<b>H.</b>	<b>Software</b>	<b>1 NO.</b>	Complete weighing management with following features. <ul style="list-style-type: none"> <li>First weight printing with date time,vehicle registration number,product destination ,ramark etc</li> <li>Completed weighing ticket with above information</li> <li>Product summary</li> <li>Haulier summary</li> <li>Date wise summary</li> <li>Shift wise details of weighing</li> <li>Driver information</li> <li>Source of commodity</li> <li>Destination of commodity</li> <li>About 30 standard reports are possible</li> </ul>
<b>I</b>	<b>Civil Work</b>	<b>1 NO.</b>	<ul style="list-style-type: none"> <li>Include construction of weigh bridge foundation with m-25 rcc approach road &amp; ramp on both side of weigh bridge should be</li> </ul>

			of standard IRC act.
<b>J</b>	<b>Electrical Work</b>	<b>1 No.</b>	<ul style="list-style-type: none"> <li>• Copper earthing</li> <li>• All the cables are to be laid with suitable protection line.</li> </ul>

**Special Note:** Bidders are requested to visit the project site for assessment of quantum of work before quoting. This is complete turn-key job and accordingly all items necessary to give the rated /designed output are included in scope of work even though it is not specified in the details.

## **CHAPTER III**

### **C). QUALITY ASSURANCE PLAN**

- C1. QA PLAN
- C2. DRAWING SCHEDULE
- C3. DRAWING AND DATA TO BE SUBMITTED BY TENDERER
- C4. PROGRESS REPORT AND SCHEDULE
- C5. WAIVER AND DEVIATION
- C6. CALIBRATION RECORDS
- C7. INSPECTION TEST STATUS
- C8. QUALITY RECORDS
- C9. IDENTIFICATION AND TRACEABILITY
- C10. VENDOR DOCUMENT FOR REVIEW AND RECORDS
- C11. DOCUMENTS UNDER REVIEW CATEGORY
- C12. FINAL DOCUMENTS

### **QUALITY ASSURANCE PLAN AND INSPECTION & TESTING PLAN REQUIREMENTS**

#### **C.1 QA PLAN**

TENDERER DURING BIDDING STAGE SHALL SUBMIT HIS QUALITY ASSURANCE PLANS (QAP) CONSISTING OF RELEVANT PROCEDURES COVERING VARIOUS ACTIVITIES LIKE DESIGN AND ENGINEERING, MATERIAL PROCUREMENT , MANUFACTURE INSPECTION AND TESTING, DOCUMENTATION, DISPATCH TO SITE , ERECTION AND COMMISSIONING WHEREVER APPLICABLE AND MAINTENANCE OF QUALITY RECORDS IN THE POST ORDER STAGE. THE VENDOR SHALL SUBMIT THE QAP TO THE SITE ENGINEER FOR APPROVAL WITHIN 2 WEEKS FROM THE DATE OF RECEIPT OF LOI/PO WHICHEVER IS EARLIER. THE QAP SHALL BE APPROVED BY THE AUTHORIZED REPRESENTATIVE OF BSDS WITHIN A WEEK OF SUBMISSION.

#### **C.2 DRAWING SCHEDULE**

VENDOR SHALL SUBMIT A TOTAL INDEX OF DRAWINGS AND DOCUMENTS REQUIRED FOR APPROVAL/REVIEW/RECORDS ALONG WITH THE SCHEDULED DATE OF SUBMISSION OF EACH DRAWING/DOCUMENT WITHIN 2 WEEKS FROM DATE OF ISSUE OF LOI/ PO WHICHEVER IS EARLIER.

#### **C.3 DRAWING AND DATA TO BE SUBMITTED BY CONRACTOR**

**C3.1** THE CONTRACTOR SHALL AT HIS OWN COST/EXPENSES PREPARE AND SUBMIT TWO COPIES OF DRAWING SHOWING FOUNDATION DETAILS.LOCATION AND SIZE OF BOLTS AND STRUCTURE STEEL SUPPORTS ,GENERAL ARRANGEMENT AND ASSEMBLY DRAWINGS SHOWING IMPORTANT PARTICULARS,OVERALL DIMENSION AND CLEARANCE ETC.

**C3.2** ON COMPLETION OF THE WORK AND BEFORE THE TESTS ARE CARRIED OUT THE CONTRACTOR SHALL AT THIS OWN COST PREPARE AND SUPPLY TWO (2) CERTIFIED COPIES OF THE INSTALLATION MANUALS INSPECTION AND MAINTENANCE MANUALS AND OPERATION MANUALS TO THE BSDS.

**C3.3** THE TENDERER WILL INDICATE THE APPROPRIATE WEIGHT OF STEEL STRUCTURE INDICATING THE DETAILS AND SIZES OF STRUCTURE TO BE USED FOR 60 MT WEIGH BRIDGES.

#### **C.4 PROGRESS REPORT AND SCHEDULE**

TENDERER SHALL SUBMIT MONTHLY PROGRESS REPORT AND UPDATE PROCUREMENT, ENGINEERING AND MANUFACTURING SCHEDULE EVERY MONTH STARTING FROM 2 WEEKS FROM DATE OF ISSUE OF LOI/PO WHICHEVER IS EARLIER.

#### **C.5 WAIVER AND DEVIATION**

TENDERER SHALL STRICTLY COMPLY WITH THE PO STIPULATIONS AND NO DEVIATIONS SHALL BE PERMITTED.

#### **C.6 CALIBRATION RECORDS**

TENDERER SHALL USE ONLY CALIBRATED MEASURING AND TEST INSTRUMENTS AND MAINTAIN CALIBRATION RECORDS.VENDOR SHALL FURNISH RECORDS OF CALIBRATION OF MEASURING AND TEST INSTRUMENTS INCLUDING RECALIBRATION RECORDS.

#### **C.7 INSPECTION TEST STATUS**

INSPECTION AND TEST STATUS OF PRODUCTS SHALL BE IDENTIFIED BY USING MARKINGS. AUTHORIZED STAMPS, TAGS, ROUTE CARDS, INSPECTION CARDS ETC. DURING THE COURSE OF MANUFACTURE TO CLEARLY INDICATE ACCEPTANCE/ REJECTION OF TESTS/STAGES OF INSPECTION PERFORMED DURING ITS MANUFACTURING CYCLE. THE IDENTIFICATION OF TEST STATUS SHALL BE MAINTAINED AND RECORDS SUBMITTED AS AND WHEN DEMANDED BY BSDS.

#### **C.8 QUALITY RECORDS**

TENDERER SHALL MAINTAIN QUALITY RECORDS AS PER HIS PROCEDURES. INSPECTION REPORTS & TEST RECORDS COPIES SHALL BE FURNISHED TO BSDS.

#### **C.9 IDENTIFICATION AND TRACEABILITY**

TENDERER SHALL ESTABLISH AND MAINTAIN A STANDARD WRITTEN PROCEDURE FOR IDENTIFYING THE PRODUCTS FROM APPLICABLE DRAWING SPECIFICATIONS OR OTHER DOCUMENTS DURING ALL STAGES OF PRODUCTION DELIVERY AND INSTALLATION. A COPY OF THIS STANDARD PROCEDURE SHALL BE MADE AVAILABLE TO BSDS. THE VENDOR SHALL ENSURE THAT EACH PRODUCT WHICH IS GOING IN THE PROCESS OF FABRICATION / MANUFACTURE / CONSTRUCTION / ERECTION HAS PROPER IDENTIFICATION THROUGHOUT THE PROCESS INCLUDING THE FINAL OUTPUT

#### **C.10 VENDOR DOCUMENT FOR REVIEW AND RECORDS**

C10.1 ALL DOCUMENTS SHALL BE IN ENGLISH LANGUAGE AND SI SYSTEM OF UNITS.

C10.2 REVIEW OF THE VENDOR DRAWING BY BSDS WOULD BE ONLY TO REVIEW THE COMPATIBILITY WITH BASIC DESIGN AND CONCEPTS AND IN NO WAY ABSOLVE THE VENDOR OF HIS RESPONSIBILITY TO COMPLY WITH PO REQUIREMENTS, APPLICABLE CODES, SPECIFICATIONS AND STATUTORY RULES/REGULATIONS.

**C10.3** SUBMISSION OF DOCUMENTS FOR REVIEW/RECORDS SHALL COMMENCE WITHIN 2 WEEKS FROM THE DATE OF ISSUE OF LOI/PO.

**C10.4** THE VENDOR SHALL SUBMIT ALL DRAWINGS AND DOCUMENTS IN TWO COPIES AS STIPULATED IN THE VENDOR DATA REQUIREMENT ALONG WITH DOCUMENTS INDEX. THE DOCUMENTS SHALL ALSO BE SUBMITTED IN SOFT COPIES TO EXPEDITE THE PROCESS OF APPROVAL REVIEW.

**C10.5** VENDOR SHALL ENSURE THAT EACH DRAWING SHALL CONTAIN THE FOLLOWING INFORMATION:

PO NO., NAME OF EQUIPMENT, TAG NO., NAME OF PROJECT, CLIENT, DRAWING/DOCUMENT TITLE, DRAWING NO., REVISION AND DATE.

THE DRAWING DOCUMENT SHALL BE CHECKED APPROVED AND DULY SIGNED STAMPED BY THE TENDERER REVISIONS AND DATE

**C.11 DOCUMENTS UNDER REVIEW CATEGORY.**

FOLLOWING REVIEW CODES SHALL BE USED FOR REVIEW OF VENDOR DOCUMENTS / DRAWINGS.

**AFI:** APPROVED FOR INSPECTION

**AFM:** APPROVED FOR MANUFACTURING / FABRICATION AS PER COMMENTS

TENDERER SHALL RESUBMIT THE SAME AFTER INCORPORATING THE COMMENTS BEFORE CARRYING OUT FINAL INSPECTION BY BSDS.

**NOT APPROVED:** RESUBMISSION REQUIRED IN CASE OF MAJOR NON- CONFORMITIES WITH RESPECT TO PO SPECIFICATIONS.

**C.12 FINAL DOCUMENTS**

FINAL DRAWINGS/DOCUMENTS CONSISTING OF TECHNICAL DATA MANUAL AS A COMPILATION OF AS-BUILT CERTIFIED DRAWING AND MANUFACTURING DATA AND TEST RECORDS DULY CERTIFIED BY BSDS SHOULD BE SUBMITTED IN TWO SETS ALONG WITH SOFT COPY OF THE SAME WITH THE ORIGINAL COPY OF REPORTS TO SITE.

INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS OF THE MATERIAL/EQUIPMENTS (WHEREVER APPLICABLE) SHALL ALSO BE SUBMITTED IN TWO SETS AND IN SOFT FORMAT.

**C12.1 TAKING OVER**

**INSPECTION AND TRIAL RUNS:** - WHEN THE MACHINERY INSTALLATION AND OTHER STRUCTURES OF THE SPECIFIC PART OF THE WORKS ARE READY FOR OPERATION THE CONTRACTOR SHALL REPORT THIS IN WRITING TO THE AGM (ENGG.), MAIN DAIRY PLANT HABIBGANJ BHOPAL AND SIMULTANEOUSLY REQUEST FOR ARRANGEMENT FOR TAKING OVER THEREOF .AGM (ENGG) SHALL UPON FIX THE DATE FOR THE TRIAL RUN /TEST RUN AND INSPECTION. THE CONTRACTOR SHALL BE PRESENT AT THE TIME OF TRIAL RUNS AND INSPECTIONS IF HOWEVER THE CONTRACTOR FAILS TO BE PRESENT ON THE DATE SO FIXED THE WORK SHALL NOT BE TAKEN OVER AND THE CONTRACTOR SHALL RENDER HIMSELF LIABLE TO COMPENSATE. IF OTHERWISE LEVIABLE UNDER CLAUSE (II) THEREOF WITHOUT PREJUDICE TO OTHER RIGHTS AND REMENDIES THAT BSDS MAY HAVE AGAINST THE CONTRACTOR UNDER THIS CONTRACT.

**C12.2 DETAILS OF TRIAL RUN/TEST RUN AND CONSEQUENCES OF FAILURE.**

THE MACHINERY INSTALLATION AND RELATED STRUCTURE SHALL BE INSPECTED IN ORDER TO ASCERTAIN THAT THEY CONFORM TO THE STIPULATIONS OF THE CONTRACT AND THE TECHNICAL SPECIFICATIONS AND TRIAL RUNS SHALL BE MADE IN ORDER TO ESTABLISH THAT THE EQUIPMENTS AND CONTROLS FUNCTIONS PROPERLY AND THAT THE CAPACITIES ARE IN CONFORMITY WITH THE SPECIFIED

CAPACITIES. THE TRIAL RUNS SHALL BE CARRIED OUT UNDER EACH OF THE VARIOUS CONDITIONS PRESCRIBED IN THE CONTRACT. IN CASE THE REQUIRED RESULTS ARE NOT OBTAINED AND THE MACHINERY, EQUIPMENT, THE INSTALLATION AND RELATED STRUCTURES DO NOT FULFILL THE REQUIREMENTS OF THE SPECIFICATIONS AND APPROPRIATE STANDARDS, THE CONTRACTOR SHALL REMEDY ALL DEFICIENCIES AND DEFECTS IN SO FAR AS SUCH WORKS ARE COVERED BY THE CONTRACT; TESTS SHALL BE REPEATED UNTIL SATISFACTORY RESULTS ARE OBTAINED.

**C12.3 ESTABLISHMENT OF RECORDS:** - THE RESULTS OF THE TRIAL RUN/TEST RUN INSPECTION SHALL BE CONFIRMED BY THE ESTABLISHMENT OF A RECORD SIGNED BY THE BSDS AND THE CONTRACTOR.

**C12.4 CERTIFICATE OF TAKING OVER:** - IF NO DEFICIENCIES OR FAULTS ARE FOUND AND THE MACHINERY INSTALLATION AND RELATED STRUCTURES ARE IN A POSITION TO FUNCTION WITHOUT BREAKDOWN AT RELATED CAPACITIES, THE DATE OF ESTABLISHMENT OF THIS RECORD SHALL BE CONSIDERED AS THE DATE OF TAKING OVER BY BSDS. THE BSDS SHALL ISSUE A CERTIFICATE OF TAKING OVER OF WORKS ONLY AFTER THE STAMPING AND VERIFICATION OF THE WEIGHBRIDGE BY THE WEIGHTS & MEASURES DEPARTMENT OF MADHYA PRADESH HAS GOT DONE BY THE CONTRACTOR AND INCLUDING COMPLETION OF ALL THE WORKS OF THE CONTRACT. THE WEIGHBRIDGE SHOULD BE HANDED OVER IMMEDIATELY AFTER THE DATE OF STAMPING.

**C12.5 PROCEDURE IN CASE OF DEFECTS:** - IF ANY DEFICIENCIES OR FAULTS ARE FOUND IN THE MACHINERY, INSTALLATION AND RELATED STRUCTURE ON SUCH INSPECTIONS, THESE SHALL BE LISTED IN THE RECORDS AND THE DATE BEFORE WHICH THE REMEDYING SHALL BE COMPLETED SHALL BE INDICATED BY THE BSDS. AFTER THE DEFICIENCIES AND FAULTS ARE FOUND TO BE COMPLETELY REMEDIED THE DATE OF ESTABLISHMENT OF THIS RECORD SHALL BE CONSIDERED AS THE DATE OF TAKING OVER BY THE BSDS.

**C12.6 REPEATED INSPECTION:** - IF AT THE SECOND INSPECTION THE DEFICIENCIES AND FAULTS ARE FOUND NOT TO HAVE BEEN SATISFACTORILY REMEDIED. THE PROCEDURE OF INSPECTION AND DRAWING UP OF RECORDS AS DESCRIBED ABOVE SHALL BE REPEATED UNTIL ALL DEFICIENCIES, FAULTS AND NON-CONFORMITIES WITH THE CONDITIONS OF THE CONTRACT HAVE BEEN MADE GOOD TO THE FULL SATISFACTION OF THE BSDS. THE NUMBER OF SUCH TRIAL RUNS AND INSPECTION WILL BE RESTRICTED TO THE EXTENT CONSIDERED REASONABLE BY THE BSDS. IF STILL THE MACHINERY, INSTALLATIONS AND RELATED STRUCTURES DO NOT COME UP TO THE REQUIREMENTS OF THE SPECIFICATIONS AND APPROPRIATE STANDARDS. BSDS RESERVES THE RIGHTS TO REJECT THE ENTIRE WORK AND TO TAKE ACTION UNDER CLAUSE (A12).

**C12.7 REMEDIES.** THE CONTRACTOR SHALL REMEDY ALL DEFICIENCIES AND FAULTS WITHIN THE PERIOD SPECIFIED TO THE RECORD. IN CASE THE CONTRACTOR DOES NOT ABIDE BY HIS OBLIGATION, THE BSDS IS FREE WITHOUT PREJUDICE TO CLAUSE (A12) AND (A14) TO GRANT ANOTHER EXTENSION OF TIME OR TO HAVE THE DEFICIENCIES AND FAULTS REMEDIED.

**CHAPTER- III**

**D). Technical Bid (Form A & B)**

**(To be submitted along with Technical specifications)**

**Form A**

Dear Sir,

I/We hereby furnish below some particulars about Company/Unit which will form a part of our offer submission:

1. Name of the Co. /Unit : \_\_\_\_\_
2. Address of the Co/Unit : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. Telephone Nos. (With STD Code) : \_\_\_\_\_  
Email ID : \_\_\_\_\_
4. Name of the CEO/Proprietor/Partner : \_\_\_\_\_
5. Name and designation of other : \_\_\_\_\_  
Authorized signatory of the Co. /Unit
6. Particulars of Regn. Certificate issued : \_\_\_\_\_  
by the competent authority (Regn No. & Date)
7. GST No. \_\_\_\_\_ Dated \_\_\_\_\_  
TIN NO. \_\_\_\_\_ Dated \_\_\_\_\_
8. PAN No. (Permanent Account No.-Income Tax) \_\_\_\_\_
9. Have your Co. /Unit or its sister concern ever been YES/NO  
Black listed/debarred by BSDS or its sister Milk  
Unions or GOI/GOMP & its undertaking?

**Seal & Signature**

Authorized Signatory of the Co. /Unit

**Form B**

**(To be submitted along with the Technical Bid)**

Dear Sir,

I/We furnish here below particular as required for eligibility criteria which will form a part of our Tender:-

**1. Details of the works executed during the last 5 years of the same nature:-**

SN	Name of work	Cost of the work (In Lacs)	Date of completion	Details of organization awarded the work etc.		
				Name of the organization	Work order No/date	Wheather work completed (Yes/No)

**2 List of skilled engineers/technicians :-**

S.No	Name	Engg/ Tech	Qualification	Employed in your Co./Unit(Period)

**Seal & Signature**

Authorized Signatory of the Co. /Unit



**CHAPTER IV**

**E). Financial Bid**

**(To be uploaded online only)**

<b>S. No.</b>	<b>Name of work</b>	<b>Rate Offered (In Rupee) (including Taxes, Freight and related expensive)</b>	
1	SUPPLY OF 9m x 3m OF 60MT PITLESS MODULAR TYPE ELECTRONIC ROAD WEIGHBRIDGE COMPLETE WITH REQUIRED COMPONENTS NAMELY, KIT, INDICATOR, LOAD CELLS, PLATFORM, LED DISPLAY, P.C.PRINTER, JUMBO DISPLAY UPS ETC AS PER ATTACHED TECHNICAL SPECIFICATIONS& SCOPE OF SUPPLY	---- Online Fill Only---	
2	COST OF CIVIL/ELECTRICAL/MECHANICAL WORK A. INCLUDING CONSTRUCTION OF WEIGHBRIDGE FOUNDATION, APPROCH ROAD, AND RAMP ETC. B. COPPER EARTHING C. UNLOADING, INSTALLATION, COMMISIONING AND STAMPING CHARGES OF WEIGH BRIDGE COMPLETE IN ALL RESPECT.		
3	COMPREHENSIVE AMC ( AFTER GUARANTEE PERIOD) INCLUDING COST OF ALL MATERIAL AND LABOUR FOR 2 <sup>ND</sup> YEAR TO 5 <sup>TH</sup> YEAR.AMC INCLUDED ALL REPAIR WHAT SO EVER THE REASON MAY BE AND TIME TO TIME STAMPING & CALIBRATION AS REQUIRED.		

**NOTE:** TAXES, FREIGHT CHARGES, TRANSPORTATION CHARGES ETC MAY BE INDICATED SEPARATELY WHEREVER APPLICABLE AT APPLICABLE RATE:

Signature & seal of tenderer/Bidder

**CHAPTER V**

**F). SCHEDULE OF QUANTITIES**

<b>ITEM NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>UNIT</b>
1.	SUPPLY OF 9m x 3m OF 60MT PITLESS MODULAR TYPE ELECTRONIC ROAD WEIGHBRIDGE COMPLETE WITH REQUIRED COMPONENTS NAMELY, KIT, INTERCONNECTING CABLES, INDICATOR, LOAD CELLS, KEY BOARD, PLATFORM, LED DISPLAY, P.C.PRINTER, JUMBO DISPLAY MOUSE, UPS WITH BATTERY ETC AS PER ATTACHED TECHNICAL SPECIFICATIONS & SCOPE OF SUPPLY	1	Each
2.	CIVIL/ELECTRICAL/MECHANICAL WORK A. INCLUDING CONSTRUCTION OF WEIGHBRIDGE FOUNDATION, APPROCH ROAD, AND RAMP ETC. B. COPPER EARTHING C. UNLOADING, INSTALLATION, COMMISIONING AND STAMPING CHARGES OF WEIGH BRIDGE COMPLETE IN ALL RESPECT.	1	Each
3.	COMPREHENSIVE AMC( AFTER GUARANTEE PERIOD) INCLUDING COST OF ALL MATERIAL AND LABOUR FOR 2 <sup>ND</sup> YEAR TO 5 <sup>TH</sup> YEAR.AMC INCLUDED ALL REPAIR WHAT SO EVER THE REASON MAY BE AND TIME TO TIME STAMPING & CALIBRATION AS REQUIRED.	1	Each

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