TECHNICAL SPECIFICATIONS

WEIGHING MACHINE

1.0 PURPOSE:
Weighing machine is for weighing packages up to 5 MT.

2.0 SCOPE OF SUPPLY:
The scope of supply includes design, manufacture, testing, supply, calibration, installation, demonstration and proving of the Weighing Machine at BHEL works as per technical specifications.

3.0 TECHNICAL SPECIFICATIONS OF WEIGHING MACHINE:
- Weighing machine should be suitable for heavy duty - e.g. sheet steel rolls, steel pallets loaded with sheet steel stampings etc.
- Capacity 5 MT
- Platform size - 1800mm X 1800mm
- Accuracy : +/- 1kg

4.0 DEMONSTRATION:
Installation, commissioning, calibration, proving & demonstration of all features of the weighing Machine will be done by the supplier at his own cost. All facilities shall be arranged by the supplier at his cost.

5.0 OTHER REQUIREMENTS:
- Five sets of complete layout / foundation drawings shall be supplied within one month after placement of order by BHEL.
- Guarantee period of the Weighing Machine shall be 12 month after Installation and demonstration.
- Details of Free services, calibration etc to be given along with the offer.
- Colour of Weighing Machine should be mentioned in the quotation.
- Supplier shall provide the foundation & civil work details. Civil work will be carried by BHEL.
- List of customers where such equipments are under operation/use should be given along with the quotation.
- Operation & maintenance manuals shall be provided by the vendor.

Note – for commercial and qualifying requirements refer BHEL/CSU/Comm/1
Commercial conditions

1. The prices are firm and inclusive of all taxes, duties, freight, Insurance, erection and commissioning charges. Supplier will submit billing breakup along with the offer.
2. Excise duty and CST against form C will be payable at actual.
3. Original excise duty gate pass shall be submitted by the vendor to enable purchaser to claim Cenvat credit.
4. The equipment with its auxiliaries, maintenance tools & tackles and spare parts shall be supplied for, BHEL works, Jagdishpur.
5. Date of dispatch for supplies (LR/GR date) shall be treated as date of supply.
6. The title of goods shall pass on to the purchaser on FOR Terms.
7. The equipment ordered will be inspected at vendor’s works prior to dispatch. The equipment shall be dispatched only after dispatch clearance from purchaser.
8. Terms Of Payment
   8.1 80% of price along with, excise duty & CST will be paid against material receipt certificate after acceptance of material at site.
   8.2 Balance 20% price will be paid after acceptance of equipment at BHEL works & submission of letter of acceptance for equipment & performance bank guarantee.
   8.3 All bank charges shall be to vendor’s account.
9. Penalty for Delay
   (i) The delivery of equipment shall be made within the time prescribed. Failure to dispatch the equipment in time as per the delivery specified above would make the vendor liable to an unconditional penalty at the rate of one half percent (1/2%) of the order value each lot for delay of each week (or part thereof) Subject to a maximum of ten percent (10%) of the order value.
10. Bank Guarantees
    (i) The vendor shall furnish a contract performance guarantee (CPBG) of 10% of the contract price confirming that the contract will be executed as per the terms and conditions and the CPBG should be valid till the acceptance of equipment at purchaser’s works (after completion of installation and commissioning and successful performance test) with a further claim period of two months. The CPBG will be released to the supplier after receipt of PBG.
    (ii) The vendor shall furnish a performance guarantee (PBG) of 10% of the contract price confirming that necessary service and
maintenance support and guarantee replacements will be provided during the guarantee period. The PBG shall be valid up to end of the guarantee period with additional claim period of two months.

(iii) All charges for establishing and amending the BGs if necessary shall be to vendor’s account.

11. Acceptance of equipment
   (i) The equipment will be accepted by the purchaser after installation, testing and commissioning of the equipment at site.
   (ii) The guarantee period of the equipment will start from the date of acceptance of equipment by the purchaser.

12. Equipment Guarantee
   (i) The equipment shall be guaranteed by the vendor for a period of 12 (twelve) months from the date of acceptance of the equipment by the purchaser.

13. Invoices and payment documentation
   (i) Invoices shall be issued by the supplier in the name of the purchase order.
   (ii) The invoices shall contain the following information:
        A. item no. quantity and description of equipment as per purchase order.
        B. Gross amount payable and net amount payable.
        C. Taxes and duties payable.
        D. Tax Registration No.
   (iii) The following documents shall be presented by the supplier to the purchaser for drawing payment:
        A. Signed commercial invoice in quadruplicate.
        B. LR (or equivalent document).
        C. Packing list indicating dimensions of each case / bundle / piece shipped with weight and number of items it contains.
        D. Manufacturer’s inspection / test certificate.
        E. Manufacturer’s guarantee / warrantee certificate as per purchase order.
        F. Declaration by the supplier certifying that the contents in each case are not less than those entered in the invoices / packing list and that the invoicing for the supplies effected is strictly in accordance with agreed rates as stipulated in the purchase order.
        G. Dispatch clearance certificate from purchaser.

14. Dispatch instructions
   (i) The consignee shall be as follows
       Additional General Manager
Centralised Stamping Unit  
BHEL Jagdishpur (Industrial Area)  
Distt - Sultanpur  

Qualifying requirements  

1. Supplier should have supplied the material of same/ similar specification to at least three customers in the last three years. Documentary evidence to this effect should be given along with the technical offer.

Note: - In case the tender is downloaded from our website www.bhel.com the bidder should submit a draft of Rs.100/- towards cost of document, along with the offer.

V. K. Minocha                  Rohit Mishra                      Vivek Baranwal  
AGM/CSU&FP                    Engineer/CSU&FP                    AO/CSU
TECHNICAL SPECIFICATIONS

WEIGHING BRIDGE

1.0 PURPOSE:

Weighing Bridge will be used for weighing the empty and loaded vehicles

2.0 SCOPE OF SUPPLY:

The scope of supply includes design, manufacture, testing, supply, erection & commissioning, installation and demonstration of the Weighing Bridge at BHEL works as per technical specifications.

3.0 TECHNICAL SPECIFICATIONS OF WEIGHING BRIDGE:

- Pit mounted electronic Weigh Bridge- 60 MT Capacity
- Least count : 20kg
- Platform size : 18000mm x 3000mm
- Digital weight indicator for displaying weight of loaded and unloaded vehicle.
- Auto calibration
- IP 65 class protection
- Weather proof key board with interface for PC connectivity

4.0 ERECTION AND COMMISSIONING:

The supplier shall provide the details/ drawings for foundation & any other civil work within one month of placement of the order. Civil work will be carried out by BHEL. The supplier may visit the site to ascertain that the foundation & other civil work are as per the requirement. Installation, erection, commissioning, calibration, proving & demonstration of all features of the weighing bridge will be done by the supplier at his own cost. All facilities shall be arranged by the supplier at his cost.
5. O OTHER REQUIREMENTS:

- Five sets of complete layout / foundation drawings shall be supplied within one month after placement of order by BHEL.
- Guarantee period of the Weighing Bridge shall be 12 month after commissioning.
- Free servicing etc. offered by supplier shall be indicated along with the quotation.
- Colour of Weighing Bridge should be mentioned in the quotation.
- Detailed catalogues giving Design / Constructional details of Weighing Bridge / Assemblies/Accessories should be sent along with the quotation.
- List of customers where such equipments are under operation/use to be provided.
- Operation & Maintenance manual of the weighing bridge shall be supplied.

Note – for commercial and qualifying requirements refer BHEL/CSU/Comm/1
Commercial & Qualifying Requirements

Commercial conditions

1. The prices are firm and inclusive of all taxes, duties, freight, Insurance, erection and commissioning charges. Supplier will submit billing breakup along with the offer.
2. Excise duty and CST against form C will be payable at actual.
3. Original excise duty gate pass shall be submitted by the vendor to enable purchaser to claim Cenvat credit.
4. The equipment with its auxiliaries, maintenance tools & tackles and spare parts shall be supplied for, BHEL works, Jagdishpur.
5. Date of dispatch for supplies (LR/GR date) shall be treated as date of supply.
6. The title of goods shall pass on to the purchaser on FOR Terms.
7. The equipment ordered will be inspected at vendor’s works prior to dispatch. The equipment shall be dispatched only after dispatch clearance from purchaser.
8. Terms Of Payment
   8.1 80% of price along with, excise duty & CST will be paid against material receipt certificate after acceptance of material at site.
   8.2 Balance 20% price will be paid after acceptance of equipment at BHEL works & submission of letter of acceptance for equipment & performance bank guarantee.
   8.3 All bank charges shall be to vendor’s account.
9. Penalty for Delay
   (i) The delivery of equipment shall be made within the time prescribed. Failure to dispatch the equipment in time as per the delivery specified above would make the vendor liable to an unconditional penalty at the rate of one half percent (1/2%) of the order value each lot for delay of each week (or part thereof) Subject to a maximum of ten percent (10%) of the order value.
10. Bank Guarantees
   (i) The vendor shall furnish a contract performance guarantee (CPBG) of 10% of the contract price confirming that the contract will be executed as per the terms and conditions and the CPBG should be valid till the acceptance of equipment at purchaser’s works (after completion of installation and commissioning and successful performance test) with a further claim period of two months. The CPBG will be released to the supplier after receipt of PBG.
   (ii) The vendor shall furnish a performance guarantee (PBG) of 10% of the contract price confirming that necessary service and
maintenance support and guarantee replacements will be provided during the guarantee period. The PBG shall be valid up to end of the guarantee period with additional claim period of two months.

(iii) All charges for establishing and amending the BGs if necessary shall be to vendor’s account.

11. Acceptance of equipment
   (i) The equipment will be accepted by the purchaser after installation, testing and commissioning of the equipment at site.
   (ii) The guarantee period of the equipment will start from the date of acceptance of equipment by the purchaser.

12. Equipment Guarantee
   (i) The equipment shall be guaranteed by the vendor for a period of 12 (twelve) months from the date of acceptance of the equipment by the purchaser.

13. Invoices and payment documentation
   (i) Invoices shall be issued by the supplier in the name of the purchase order.
   (ii) The invoices shall contain the following information:
       A. item no. quantity and description of equipment as per purchase order.
       B. Gross amount payable and net amount payable.
       C. Taxes and duties payable.
       D. Tax Registration No.
   (iii) The following documents shall be presented by the supplier to the purchaser for drawing payment:
       A. Signed commercial invoice in quadruplicate.
       B. LR (or equivalent document).
       C. Packing list indicating dimensions of each case / bundle / piece shipped with weight and number of items it contains.
       D. Manufacturer’s inspection / test certificate.
       E. Manufacturer’s guarantee / warrantee certificate as per purchase order.
       F. Declaration by the supplier certifying that the contents in each case are not less than those entered in the invoices / packing list and that the invoicing for the supplies effected is strictly in accordance with agreed rates as stipulated in the purchase order.
       G. Dispatch clearance certificate from purchaser.

14. Dispatch instructions
   (i) The consignee shall be as follows
       Additional General Manager
Qualifying requirements

1. Supplier should have supplied the material of same/ similar specification to at least three customers in the last three years. Documentary evidence to this effect should be given along with the technical offer.

Note: - In case the tender is downloaded from our website www.bhel.com the bidder should submit a draft of Rs.100/- towards cost of document, along with the offer.

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AGM/CSU&FP                      Engineer/CSU&FP                      AO/CSU

:
TECHNICAL SPECIFICATIONS

GRANITE SURFACE PLATE

1.0 PURPOSE:

Granite Surface Plate shall be used as a precision reference for marking lay out and inspection of Stampings, precision tools etc.

2.0 SCOPE OF SUPPLY:

The scope of supply includes design, manufacture, testing, supply, demonstration, calibration and proving of the Granite Surface Plate at BHEL works as per technical specifications.

3.0 TECHNICAL SPECIFICATIONS OF GRANITE SURFACE PLATE:

⇒ The surface plate should meet the requirement of ISO/TS 16949, suitable for inspection of precision jobs.
⇒ Calibration certificate for flatness to be provided.
⇒ Size shall be 2m x 3m,
⇒ Thickness of the surface plate should be suitable for marking/inspection of heavy tools, stampings etc. supplier shall give the thickness in the offer.
⇒ The flatness accuracy of surface plate shall be within 0.04mm.
⇒ Height of the surface plate shall be 750mm from average shop floor level. Supplier shall provide details of total height, including grouting arrangement & civil work needed for fixing the surface plate.

4.0 INSTALLATION & DEMONSTRATION:

➢ Supplier shall install & demonstrate all features of the surface plate as per the technical requirement, at his own cost. Civil work / foundation if required shall be done by BHEL as per the drawings / details provided by the supplier.
5.0 OTHER REQUIREMENTS:

- Five sets of complete layout / foundation drawings shall be supplied within one month after placement of order by BHEL.
- Guarantee period of the surface plate shall be 12 month after Demonstration.
- Colour of surface plate should be mentioned in the quotation.
- Supplier should provide the foundation & civil work details. Civil work will be carried by BHEL.
- List of customers where such surface plates are under operation/use to be provided along with the quotation.
- Calibration certificate should provided by the vendor.

Note – for commercial and qualifying requirements refer BHEL/CSU/Comm/1
Commercial & Qualifying Requirements

Commercial conditions

1. The prices are firm and inclusive of all taxes, duties, freight, Insurance, erection and commissioning charges. Supplier will submit billing breakup along with the offer.
2. Excise duty and CST against form C will be payable at actual.
3. Original excise duty gate pass shall be submitted by the vendor to enable purchaser to claim Cenvat credit.
4. The equipment with its auxiliaries, maintenance tools & tackles and spare parts shall be supplied for, BHEL works, Jagdishpur.
5. Date of dispatch for supplies (LR/GR date) shall be treated as date of supply.
6. The title of goods shall pass on to the purchaser on FOR Terms.
7. The equipment ordered will be inspected at vendor’s works prior to dispatch. The equipment shall be dispatched only after dispatch clearance from purchaser.

8. Terms Of Payment

8.1 80% of price along with, excise duty & CST will be paid against material receipt certificate after acceptance of material at site.
8.2 Balance 20% price will be paid after acceptance of equipment at BHEL works & submission of letter of acceptance for equipment & performance bank guarantee.
8.3 All bank charges shall be to vendor’s account.

9. Penalty for Delay

(i) The delivery of equipment shall be made within the time prescribed. Failure to dispatch the equipment in time as per the delivery specified above would make the vendor liable to an unconditional penalty at the rate of one half percent (1/2%) of the order value each lot for delay of each week (or part thereof) Subject to a maximum of ten percent (10%) of the order value.

10. Bank Guarantees

(i) The vendor shall furnish a contract performance guarantee (CPBG) of 10% of the contract price confirming that the contract will be executed as per the terms and conditions and the CPBG should be valid till the acceptance of equipment at purchaser’s works (after completion of installation and commissioning and successful performance test) with a further claim period of two months. The CPBG will be released to the supplier after receipt of PBG.

(ii) The vendor shall furnish a performance guarantee (PBG) of 10% of the contract price confirming that necessary service and
maintenance support and guarantee replacements will be provided during the guarantee period. The PBG shall be valid up to end of the guarantee period with additional claim period of two months.

(iii) All charges for establishing and amending the BGs if necessary shall be to vendor’s account.

11. Acceptance of equipment
(i) The equipment will be accepted by the purchaser after installation, testing and commissioning of the equipment at site.
(ii) The guarantee period of the equipment will start from the date of acceptance of equipment by the purchaser.

12. Equipment Guarantee
(i) The equipment shall be guaranteed by the vendor for a period of 12 (twelve) months from the date of acceptance of the equipment by the purchaser.

13. Invoices and payment documentation
(i) Invoices shall be issued by the supplier in the name of the purchase order.
(ii) The invoices shall contain the following information:
   A. item no. quantity and description of equipment as per purchase order.
   B. Gross amount payable and net amount payable.
   C. Taxes and duties payable.
   D. Tax Registration No.
(iii) The following documents shall be presented by the supplier to the purchaser for drawing payment:
   A. Signed commercial invoice in quadruplicate.
   B. LR (or equivalent document).
   C. Packing list indicating dimensions of each case / bundle / piece shipped with weight and number of items it contains.
   D. Manufacturer’s inspection / test certificate.
   E. Manufacturer’s guarantee / warrantee certificate as per purchase order.
   F. Declaration by the supplier certifying that the contents in each case are not less than those entered in the invoices / packing list and that the invoicing for the supplies effected is strictly in accordance with agreed rates as stipulated in the purchase order.
   G. Dispatch clearance certificate from purchaser.

14. Dispatch instructions
(i) The consignee shall be as follows
   Additional General Manager
Centralised Stamping Unit
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Distt - Sultanpur

Qualifying requirements

1. Supplier should have supplied the material of same/ similar specification to at least three customers in the last three years. Documentary evidence to this effect should be given along with the technical offer.

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TECHNICAL SPECIFICATIONS
PEDESTAL GRINDER

1.0 PURPOSE:

Heavy duty double ended Pedestal Grinders are required for sharpening of tools & general purpose grinding work.

2.0 SCOPE OF SUPPLY:

The scope of supply includes design, manufacture, supply, Installation, erection, commissioning & demonstration and proving of the Pedestal Grinder at BHEL works as per technical specifications.

3.0 TECHNICAL SPECIFICATIONS OF PEDESTAL GRINDER:

- Wheel size: diameter x width - 400 x 50
- One roughing/course wheel & one fine wheel
- Pedestal grinder should be provided with coolant pump, coolant tank, coolant tray, tool rest, wheel guard, spark guard.

4.0 INSTALLATION & COMMISSIONING:

The supplier shall provide the details/drawings for foundation & any other civil work within one month of placement of the order. Civil work will be carried out by BHEL. The supplier may visit the site to ascertain that the foundation & other civil work are as per the requirement. Installation, erection, commissioning, calibration, proving & demonstration of all features of the Pedestal Grinder will be done by the supplier at his own cost. All facilities shall be arranged by the supplier at his cost.

5.0 OTHER REQUIREMENTS:

- Five sets of complete layout/foundation drawings shall be supplied within one month after placement of order by BHEL.
- Guarantee period of the Pedestal Grinder shall be 12 month after Installation. Details of Free services to be given in the offer.
- Colour of Pedestal Grinder should be mentioned in the quotation.
- Supplier should provide the foundation & civil work details. Civil work will be carried by BHEL.
- List of customers where such equipments are under operation/use to be provided.
- Operation & Maintenance manuals to be provided.

Note – for commercial and qualifying requirements refer BHEL/CSU/Comm/1
Commercial & Qualifying Requirements

Commercial conditions

1. The prices are firm and inclusive of all taxes, duties, freight, Insurance, erection and commissioning charges. Supplier will submit billing breakup along with the offer.
2. Excise duty and CST against form C will be payable at actual.
3. Original excise duty gate pass shall be submitted by the vendor to enable purchaser to claim Cenvat credit.
4. The equipment with its auxiliaries, maintenance tools & tackles and spare parts shall be supplied for, BHEL works, Jagdishpur.
5. Date of dispatch for supplies (LR/GR date) shall be treated as date of supply.
6. The title of goods shall pass on to the purchaser on FOR Terms.
7. The equipment ordered will be inspected at vendor’s works prior to dispatch. The equipment shall be dispatched only after dispatch clearance from purchaser.
8. Terms Of Payment
   8.1 80% of price along with, excise duty & CST will be paid against material receipt certificate after acceptance of material at site.
   8.2 Balance 20% price will be paid after acceptance of equipment at BHEL works & submission of letter of acceptance for equipment & performance bank guarantee.
   8.3 All bank charges shall be to vendor’s account.
9. Penalty for Delay
   (i) The delivery of equipment shall be made within the time prescribed. Failure to dispatch the equipment in time as per the delivery specified above would make the vendor liable to an unconditional penalty at the rate of one half percent (1/2%) of the order value each lot for delay of each week (or part thereof) Subject to a maximum of ten percent (10%) of the order value.
10. Bank Guarantees
    (i) The vendor shall furnish a contract performance guarantee (CPBG) of 10% of the contract price confirming that the contract will be executed as per the terms and conditions and the CPBG should be valid till the acceptance of equipment at purchaser’s works (after completion of installation and commissioning and successful performance test) with a further claim period of two months. The CPBG will be released to the supplier after receipt of PBG.
    (ii) The vendor shall furnish a performance guarantee (PBG) of 10% of the contract price confirming that necessary service and
maintenance support and guarantee replacements will be provided during the guarantee period. The PBG shall be valid up to end of the guarantee period with additional claim period of two months.

(iii) All charges for establishing and amending the BGs if necessary shall be to vendor’s account.

11. Acceptance of equipment
   (i) The equipment will be accepted by the purchaser after installation, testing and commissioning of the equipment at site.
   (ii) The guarantee period of the equipment will start from the date of acceptance of equipment by the purchaser.

12. Equipment Guarantee
   (i) The equipment shall be guaranteed by the vendor for a period of 12 (twelve) months from the date of acceptance of the equipment by the purchaser.

13. Invoices and payment documentation
   (i) Invoices shall be issued by the supplier in the name of the purchase order.
   (ii) The invoices shall contain the following information:
       A. item no. quantity and description of equipment as per purchase order.
       B. Gross amount payable and net amount payable.
       C. Taxes and duties payable.
       D. Tax Registration No.
   (iii) The following documents shall be presented by the supplier to the purchaser for drawing payment:
       A. Signed commercial invoice in quadruplicate.
       B. LR (or equivalent document).
       C. Packing list indicating dimensions of each case / bundle / piece shipped with weight and number of items it contains.
       D. Manufacturer’s inspection / test certificate.
       E. Manufacturer’s guarantee / warrantee certificate as per purchase order.
       F. Declaration by the supplier certifying that the contents in each case are not less than those entered in the invoices / packing list and that the invoicing for the supplies effected is strictly in accordance with agreed rates as stipulated in the purchase order.
       G. Dispatch clearance certificate from purchaser.

14. Dispatch instructions
   (i) The consignee shall be as follows
       Additional General Manager
Centralised Stamping Unit  
BHEL Jagdishpur (Industrial Area)  
Distt - Sultanpur

Qualifying requirements

1. Supplier should have supplied the material of same/similar specification to at least three customers in the last three years. Documentary evidence to this effect should be given along with the technical offer.

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