

ANNEXURE-A OF SECTION III

FORMAT FOR SUBMISSION OF TECHNICAL BID

1. We, M/s.----- offer our ----- machine, model no. ----- as per the description given in Schedule of Requirements. We further state that, except for the following, for which Clause wise brief description and justification for deviation has been indicated, our machine fully complies with all the Clauses as given in technical specification Section-II and we also confirm all the schedules given in the Delivery Schedule at para 7 of **Section-I:**

| S.No. | Clause/Item | Brief description of Deviation | Justification for deviation |
|-------|-------------|--------------------------------|-----------------------------|
|       |             |                                |                             |
|       |             |                                |                             |

**Note1:** In case there is a contradiction in any information provided (some parametric values given in the specification and those given in the brochure or some other document enclosed by the tenderer), unless specifically mentioned in the deviation cum confirmation statement under Annexure A of SECTION III, the values as given in the specification shall be taken as confirmed by the tenderer and offer evaluated accordingly

**Note2:** In case tenderer offers internationally accepted alternative specifications as per Clause 1.8, complete details of alternative specification, apart from filling above deviation statement, may be enclosed

2. We further certify that we are meeting the reference Clause as  
(A) We are the regular manufacturer of this type of machine  
(B) We have made the following past supplies of similar machines as per Clause \_\_\_\_\_ of special conditions during last 5years:-

| S.No . | Name of purchaser with postal address | P.O. No. and date (along with the copy of PO) | Name of contact person with designation | Phone/ fax /e-mail nos. of contact person | Date and place of commissioning of the machine | Bending capacity- 80T, Bending length1500 mm |
|--------|---------------------------------------|---|---|---|--|--|
|        |                                       |   |   |   |  |  |

(C) We are submitting following performance certificate from past users as per Clause \_\_\_\_\_ of Special Conditions :-

| SNo | User Name | Date Supplie d | Date of issue of certificate | Application / Use | Leading parameter | Performance |
|-----|-----------|----------------|------------------------------|-------------------|-------------------|-------------|
|     |           |                |                              |                   | Bending capacity  |             |
|     |           |                |                              |                   | Bending Length    |             |

3. We are having following facilities available with us or our agent for providing adequate after-sales service in India during warranty period. Complete details of after sales service, availability of technically competent engineers and warehousing facilities for spares is indicated below:

- After sales service centers:
- Availability of technically competent engineers;
- Warehousing facilities for spares

4. We have quoted for the following optional accessories as indicated under Clause 4.3 of SECTION I  
:

| S.No. | Description of the optional accessory | Quantity (in Nos.) | Rate (in Rest.) | Indigenous | Shelf Life (in Months) |
|-------|---------------------------------------|--------------------|-----------------|------------|------------------------|
|       |                                       |                    |                 |            |                        |

5.We have quoted for following recommended perishable and non-perishable spares required for normal maintenance to cover complete range of mechanical, hydraulic and electrical equipments including controls on double shift working basis:

Perishable Spares

| S.No. | Description of the spares | Part number | Quantity (In Nos.) | Rate (In Rs) | Shelf Life (in Months) |
|-------|---------------------------|-------------|--------------------|--------------|------------------------|
|       |                           |             |                    |              |                        |

Non perishable spares

| S.No. | Description of the spares | Part number | Quantity (In Nos.) | Rate (In Rs) |
|-------|---------------------------|-------------|--------------------|--------------|
|       |                           |             |                    |              |

6.\*We hereby confirm that we are the OEM and undertake to supply spare parts for a period of expected life of machine.

OR

\*We hereby confirm that we are not the OEM, but are submitting undertaking from OEM for supply of spare parts for a period of expected life of the machine to provide maintenance spares (as and when ordered) after the expiry of the Warranty/CAMC for X years (life of machine - 7yrs) including the maintenance spares required for the bought out sub-assemblies and parts.

(\*Strike out whichever is not applicable)

7. We have quoted consumables required as per Clause 6.1 of SECTION II of Bid Document , in the format give below

| S.No. | Description of the consumable spares | Qty | Unit | Rate |
|-------|--------------------------------------|-----|------|------|
|       |                                      |     |      |      |

8 It is certified that we are having suitable facilities at our works for carrying out various performance tests on the sub-assembly/assembly/machine and these shall be made available to the inspecting authority

9. **BOUGHT OUT ITEMS:** We hereby furnish a list of all critical items/ sub-assemblies which are bought out by us and proposed to be used, along with the manufacturer’s name, brand model etc.

| Sr No. | Description                              | Item no.1 | Item no. 2 | Item no. 3 |
|--------|--|-----------|------------|------------|
| 1.     | Brief description of item                |           |            |            |
| 2.     | Model no.                                |           |            |            |
| 3.     | Make                                     |           |            |            |
| 4.     | Quantity/machine                         |           |            |            |
| 5.     | Manufacturer’s name and complete address |           |            |            |
| 6.     | Whether imported or indigenous           |           |            |            |
| 7.     | Country of origin                        |           |            |            |

10. We have quoted for Preventive Maintenance during warranty and comprehensive Comprehensive Annual Maintenance Contract as per Clause 16.3 & Clause 17 of Section-II respectively. Details of preventive maintenance services including cleaning of machine to be provided under PMC during warranty and CAMC is given in the following format

| S.No. | TYPE OF PREVENTIV E SCHEDULE | PERIODICIT Y | ITEMS TO BE CHECKED | ITEMS OF REPLAC EMEN T | EXPECTED PLANT DOWN TIME |
|-------|------------------------------|--------------|---------------------|------------------------|--------------------------|
|       |                              |              |                     |                        |                          |
|       |                              |              |                     |                        |                          |

11.We further submit the following information about the offered machine as per the technical specification SECTION III and Important Features of the tender SECTION I. We understand that any omission of any of the below mentioned information will render our offer incomplete to that extent.

| S.N o.    | Clause No.     | Information required   | Compliance/ Value/ Writeup    |
|-----------|----------------|--|-------------------------------|
| SECTION-I |                |  |                               |
| 1.        | 2.2            | <div>For Actual values of the following major &amp; other parameters of the offered 80 Ton Press Brake machine should be given:</div> <div><div>2.2.1MAJOR PARAMETERS:</div><div>2.2.1.1Bending Capacity</div><div>2.2.1.2Bending Length</div><div>2.2.1.3Bending Material &amp;Thickness</div><div>2.2.2OTHER PARAMETERS:</div><div>2.2.2.1Throat depth</div><div>2.2.2.2Beam Stroke</div><div>2.2.2.3Day light</div><div>2.2.2.4Table Width</div><div>2.2.2.5Distance between housing/distance between frames</div><div>2.2.2.6Approach speed</div><div>2.2.2.7Pressing or bending speed</div><div>2.2.2.8Return speed</div><div>2.2.2.9Back gauge</div><div>2.2.2.9.1Range of Travel in X-axis</div><div>2.2.2.9.2Positioning speed of X-axis</div><div>2.2.2.9.3Positional accuracy (X-axis)</div><div>2.2.2.10Main Motor Power (100% duty cycle)</div><div>2.2.1MAJOR PARAMETERS:</div></div> <div>Note: No deviation shall be permitted in Major parameters.</div> | Values                        |
| 2.        | 2.3            | <div>Geometrical and Performance standards</div> <div><div>• Details of sample test charts</div><div>• Details of Test Standard</div></div>  | Write up/ Compliance          |
| 3.        | 2.4.1 to 2.4.5 | Productivity requirement for 80 Ton machine  | Values/ Writeup Tabular sheet |

Process sheet with floor to floor timings and other details

| SN | Comp onent descri ption | Loading unloadin g time in min. | Set up time in min. | Checking/ measureme nt time in min. | Time for reversin g the compon ent in | Tool/die change time in min. | Oper ation/ Bendi ng time | Total time in min. |
|----|-------------------------|---------------------------------|---------------------|-------------------------------------|---------------------------------------|------------------------------|---------------------------|--------------------|
|----|-------------------------|---------------------------------|---------------------|-------------------------------------|---------------------------------------|------------------------------|---------------------------|--------------------|

|  |  |  |  |  |      |  |      |  |
|--|--|--|--|--|------|--|------|--|
|  |  |  |  |  | min. |  | in   |  |
|  |  |  |  |  |      |  | min. |  |

The firm should also furnish tooling layout and force calculation for each component in the following format:

| S.N | Comp<br>onent | Thic<br>knes<br>s | Weigh<br>t | Ben<br>d<br>No. | Intern<br>al<br>radius | Lengt<br>h | Punch | Die | Die<br>open<br>ing | Die<br>angl<br>e | Ton<br>ne p<br>er<br>metr<br>e | Tot<br>al<br>ton<br>nes | No.<br>of<br>bend<br>s |
|-----|---------------|-------------------|------------|-----------------|------------------------|------------|-------|-----|--------------------|------------------|--------------------------------|-------------------------|------------------------|
|     |               |                   |            |                 |                        |            |       |     |                    |                  |                                |                         |                        |

|    |                                     |  |                     |
|----|-------------------------------------|--|---------------------|
| 4. | 2.5.1 to 2.5.4 and Note (i) to (ii) | Prove out at Manufacturer's Premises<br>Details of test and performance test schemes               | Compliance /Writeup |
| 5. | 2.6.1 and Note (i) to (ii)          | Prove out at Consignee end   | Compliance          |
| 6. | 4.2.9. of Section- I                | Complete list with details and description of tooling should be furnished in the following format: |                     |

| S. N | Comp<br>onent | Thic<br>knes<br>s | Weigh<br>t | Ben<br>d<br>No. | Intern<br>al<br>radius | Lengt<br>h | Punch | Die | Die<br>open<br>ing | Die<br>angl<br>e | Ton<br>nes<br>per<br>metr<br>e | Tot<br>al<br>ton<br>nes | No.<br>of<br>bend<br>s |
|------|---------------|-------------------|------------|-----------------|------------------------|------------|-------|-----|--------------------|------------------|--------------------------------|-------------------------|------------------------|
|------|---------------|-------------------|------------|-----------------|------------------------|------------|-------|-----|--------------------|------------------|--------------------------------|-------------------------|------------------------|

|    |       |  |  |  |  |  |  |  |  |  |                 |  |  |
|----|-------|--|--|--|--|--|--|--|--|--|-----------------|--|--|
| 7. | 4.2.5 | Operating & Maintenance Tools<br>• Make<br>• Description<br>• Quantity   |  |  |  |  |  |  |  |  | Values/Write up |  |  |
| 8. | 4.2.1 | Lubricating, hydraulic oil & grease<br>• Indigenous brand name<br>• Quantity   |  |  |  |  |  |  |  |  | Values/Write up |  |  |
| 9. | 4.2.4 | Refrigerant type oil cooler for Hydraulic System<br>make<br>maximum heat removal rate in K Cal/hour  |  |  |  |  |  |  |  |  | Values/Write up |  |  |
| 10 | 4.2.7 | Support Arms<br>No of balls<br>Length of arms  |  |  |  |  |  |  |  |  | Values/Write up |  |  |
| 11 | 4.2.8 | <b>Handling Roller Unit:</b><br>Length of roller unit<br>Width of roller unit<br>Load bearing capacity<br>Details of mechanism for height adjustment |  |  |  |  |  |  |  |  | Values/Write up |  |  |

|                   |                     |   |                             |
|-------------------|---------------------|---|-----------------------------|
| 12.               | 7 (S.N.1 to 16)     | Delivery Schedule Chart   | Compliance/ Values/Write up |
| <b>SECTION-II</b> |                     |   |                             |
| 13.               | 1.2.1.1 to 1.2.1.15 | Safety features <ul style="list-style-type: none"> <li>Nos. &amp; location of emergency switches</li> <li>Nos. of hardware limit switches</li> <li>Nos. of interlock switches &amp; overloads</li> <li>Any other safety feature</li> </ul>  | Values/Write up             |
|                   |                     | Noise level measurement <ul style="list-style-type: none"> <li>Maximum noise level value</li> <li>Noise measurement technique</li> <li>National /International Standards to which it conform</li> </ul>   | Values/Write up             |
|                   |                     | Machine Light <ul style="list-style-type: none"> <li>Nos. of lamps with wattage</li> <li>Illumination level in lux</li> <li>Operating Voltage</li> </ul>  | Values/Write up             |
| 14.               | 1.2.2.1 to 1.2.2.14 | Fabrication of Machine Frame and Associated Steel Structures e.g. Machine frame, Beam & Beam guides, Table etc. <ul style="list-style-type: none"> <li>Material Grade</li> <li>Material Composition</li> <li>Heat treatment cycle followed</li> <li>ISO /DIN Standard to which it conform</li> <li>List of weld joints</li> </ul> | Values/Write up             |
| 15.               | 1.3.1 to 1.3.9      | Beam and Beam Guides  | Values/Write up             |
| 16.               | 1.4.1 to 1.4.4      | Table   | Values/Write up             |
| 17.               | 1.5.1 to 1.5.5      | Back gauge <ul style="list-style-type: none"> <li>Type</li> <li>Nos. of fingers</li> <li>Provision to move back gauge manually</li> <li>Auto locking facility</li> <li>Retraction facility</li> </ul>   | Values/Write up             |
| 18.               | 1.6.1 to 1.6.3      | Tooling ( Die and Punches) <ul style="list-style-type: none"> <li>Material</li> <li>Surface hardness</li> <li>UTS</li> <li>Surface Finish</li> <li>Angular accuracy</li> <li>Make</li> <li>Length of die and punches</li> <li>Drawings</li> </ul>   | Values/Write up             |
| 19.               | 1.7.1 to 1.7.3      | Front support <ul style="list-style-type: none"> <li>Nos. of balls/rollers</li> <li>Hardness of the balls</li> <li>Weight carrying capacity</li> <li>Length of each arm</li> </ul>  | Values/Write up             |

|     |                 |   |                 |
|-----|-----------------|---|-----------------|
| 20. | 1.8.1 to 1.8.13 | Hydraulic System  | Values/Write up |
| 21. | 1.9             | Deflection Compensation System  | Values/Write up |
| 22. | 1.10            | Control cabinet:<br>Make<br>Degree of protection  | Values/Write up |
| 23. | 2.3             | <b>Technical Details/Particulars of Motors, Control Gears.</b>  | Values/Write up |
|     |                 | <b>A.C. Servo &amp; other AC Motors and Control Gears</b><br><br><b>AC SERVO &amp; OTHER AC MOTORS</b> <ul style="list-style-type: none"><li>• Manufacturer's Name</li><li>• Type of enclosure</li><li>• Type of duty (Ref. IS: 325) (Latest)</li><li>• Rating-Continuous/intermittent Output (KW/BHP)</li><li>• AC voltage across phases, number of phases &amp; frequency.</li><li>• Speed in RPM</li><li>• Class of insulation</li><li>• Normal full load current</li><li>• Starting current</li><li>• Maximum current at the time of change over from lower speed to higher speed</li><li>• Type of motor-Squirrel cage/slip ring (wound rotor)</li><li>• Temperature rise of windings and other parts allowed above an ambient temperature of 50 degree C.</li><li>• Frame size of motor</li><li>• End use of motor</li></ul> <b>CONTROL GEARS</b> <ul style="list-style-type: none"><li>▪ Manufacturer's Name</li><li>▪ Type of control gear (Star/ Delta/Auto-transformer etc.)</li><li>▪ Rating of starting gear in KW &amp; amps.</li><li>▪ Short circuit protection (y/n)</li><li>▪ No volt trip (y/n)</li><li>▪ Overload trip (y/n)</li><li>▪ Delayed action current sensitive single phasing preventer (y/n)</li><li>▪ Standard specifications to which the motor control gear and its ancillary offered conform to</li></ul> |                 |
| 24  | 2.3             | D.C. Motors and Control Gears<br><b>DC MOTOR</b> <ul style="list-style-type: none"><li>• Manufacturer's Name</li><li>• Type of enclosure</li><li>• Type of duty (Ref. IS: 4722) (Latest)</li><li>• Rating-Continuous/intermittent</li><li>• Output (KW/BHP)</li></ul>   | Values/Write up |

|  |   |  |
|--|---|--|
|  | <ul style="list-style-type: none"><li>• DC voltage across phases, number of phases &amp; frequency</li><li>• Method of excitation whether shunts, series, compound or separately excited, if separately excited state excitation voltage.</li><li>• Speed in RPM</li><li>• Class of insulation</li><li>• Normal full load current in amps.</li><li>• Starting current</li><li>• Temperature rise of windings and other parts allowed above an ambient temperature of 50 degree C.</li><li>• Frame size of motor</li><li>• End use of motor</li></ul> <p><b>CONTROL GEARS</b></p> <ul style="list-style-type: none"><li>• Manufacturer's Name</li><li>• Type of control gear (Direct on line/Resistance type/Thyristor type)</li><li>• Rating of starting gear in KW &amp; amps.</li><li>• Short circuit protection (Y/N)</li><li>• No volt trip (y/n)</li><li>• Overload trip (y/n)</li><li>• Standard specifications to which the motor control gear and its ancillary offered conform to</li><li>• Standard specification to which control gear conforms to</li></ul> |  |
|--|---|--|



|      |   |   |                         |
|------|---|---|-------------------------|
| 25.  | 3.1 to 3.6                              | General Characteristics   | Compliance/<br>Writeup  |
| 26.  | 3.8.1 to<br>3.8.7 of<br>SECTION<br>N II | Details of lubrication system <ul style="list-style-type: none"> <li>• Make of lubrication motor &amp; pump</li> <li>• No. of lubrication points</li> <li>• Tank Capacity</li> <li>• Motor power in KW</li> <li>• Filter size (if used)</li> <li>• Nos. &amp; details of safety devices.</li> </ul>   | Values &<br>Write-Up    |
| 27.  | 3.9.1 to<br>3.9.4                       | PNEUMATIC SYSTEM<br>Range of air pressure<br>Air pressure gauge<br>No. of cylinder  | Values &<br>Write-Up    |
| 28   | 3.10.1 to<br>3.10.7 of<br>SECTION<br>II | Hydraulic system <ul style="list-style-type: none"> <li>• Size of hydraulic tank,</li> <li>• Make</li> <li>• Max. pressure developed</li> <li>• Nos. of safety/interlocks provided against insufficient flow of hydraulic oil</li> </ul>  | Value/ Write-<br>Up     |
|      |   | Make of Hydraulic system elements. <ul style="list-style-type: none"> <li>• Direction Valves</li> <li>• Cartridge valves</li> <li>• Pump</li> <li>• Modulating hydro mechanical servo valve</li> <li>• Manufactured items like valve block, covers, suction valve</li> <li>• Pressure relief valve</li> <li>• Pressure switch</li> <li>• Breather</li> <li>• Level Indicator</li> <li>• Temperature sensor &amp; Indicator</li> </ul> | Values/Write<br>up      |
|      |   | Capacity of refrigeration type oil cooling system. <ul style="list-style-type: none"> <li>• No. of units</li> <li>• Make</li> <li>• Maximum heat transfer rate</li> <li>• Type of refrigerant used</li> <li>• Nos. of temperature sensing probes</li> </ul>   | Values/Write<br>up      |
| 29*. | 4.1 to 4.2<br>to 4.2                    | Description and list of Technical manuals   | Compliance<br>/Brochure |
| 30.  | Misc.                                   | <ul style="list-style-type: none"> <li>• Total weight of the machine.</li> <li>• Total connected electrical load and its break up.</li> <li>• Details of quoted machine like brand name, model etc.</li> </ul>  | Values                  |

Signature Not  
Verified

Digitally signed by P  
RAGURAMAN  
Date: 2024.10.08  
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|     |             |   |                         |
|-----|-------------|---|-------------------------|
|     |             | <ul style="list-style-type: none"><li>• Total working area</li><li>• Maximum floor area required for installation and commissioning of the machine.</li><li>• Facilities required during commissioning of the machine</li><li>• Maximum size of packing and no. of packages</li></ul> |                         |
| 31. | Misc.       | Dimensions (l x b x h) & weight of the major sub assemblies:<br>Machine Frame • Upper and lower Beam • Bed • Back Gauge • Table • Hydraulic Cylinder assembly   | Values                  |
| 32. | SECTION III | Details of Annexure H to SECTION III  | Values/Write up         |
| 33. | Section - I | Clause wise Comments  | Complied / Not Complied |
| 34. | Section II  | Clause wise Comments  | Complied / Not Complied |

Signature of the authorized representative of the bidder with company stamp

ANNEXURE-B OF SECTION III

**FORMAT FOR INDEMNITY BOND**

This deed of Indemnity executed by M/s. ----- hereinafter referred to as Indemnifier' which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, representative and assignees in favour of PFA, Integral Coach factory, Chennai- 600 038, Tamil Nadu, India, hereinafter referred to as the 'Indemnified' which expression shall unless repugnant to the context or meaning thereof, include its successors and assignees witnesses as to.

Whereas the Indemnifier herein had participated in a global tender for the supply of ----- (machine name) which is opened on ----- (date) on terms and conditions set out interalia in the Tender Document.

And whereas, Clause of the above mentioned tender document described that the machine shall be designed for a life of 15 years with regular maintenance and all the structural members of the machine and its foundation should be guaranteed for 5 years against cracks, breakages etc. during the course of normal operations from the date of commissioning whichever is earlier of the stores supplied by the Indemnifier to the indemnified.

The indemnifier hereby irrevocably agrees to indemnify the indemnified that in the event of the said machine not achieving the life guarantee, the indemnifier shall as may be deemed necessary repair the defective machine at site, free of cost, within a reasonable time specified by the indemnified or reimburse the pro-rata cost of the machine to the extent a life not achieved as per the guarantee, or supply a spare stores for the defective portion only free of cost at site.

Bidder's authorized signatory  
with seal

Station:

Date:

Witness: 1. \_\_\_\_\_  
(Signature with Name, Designation & Address)  
  
2. \_\_\_\_\_  
(Signature with Name, Designation & Address)

ANNEXURE-C OF SECTION III

JOINT RECEIPT INSPECTION NOTE

Date.....  
Sub: Receipt of consignment for machine.....  
Ref: ICF Contract No.....

|    |  |  |
|----|--|--|
| 1. | Name of consignee/Railway              |  |
| 2. | Machine name                           |  |
| 3. | Quantity                               |  |
| 4. | Name of supplier                       |  |
| 5. | Consignment of the machine received on |  |

It is certified that the consignment of the machine has been received complete and in good condition as per specification shown in the contract.

Tentative plan for installation and commissioning of the machine is as under:

|      |   |                         |
|------|---|-------------------------|
| 1.   | Date of clear site provided   |                         |
| 2.   | Contract  | Turnkey/Non-turnkey     |
| 3.   | <b>Status of readiness of foundation:</b>                                     |                         |
| 3(a) | Already constructed on  |                         |
| 3(b) | Under construction & likely date of its completion                            |                         |
| 3(c) | Construction yet to be started from ..... and & likely date of its completion |                         |
| 4.   | Status of availability of electrical power, water and compressed air etc.     | Available/Not-available |
| 5.   | Number of components to be proved out on the machine                          |                         |
| 6.   | Likely date for start of erection   |                         |
| 7.   | Likely date for switch-on the machine   |                         |

|    |   |  |
|----|---|--|
| 8. | Likely date of completion of commissioning of the machine |  |
|----|---|--|

Representative of firm  
Designation

Representative of consignee  
Designation  
(Minimum Gazetted level)

**JOINT COMMISSIONING NOTE**

Date:.....

**Sub:** Commissioning of (name of machine).....

**Ref:** ICF AT No.....

|    |                           |  |
|----|---------------------------|--|
| 1. | Name of consignee/Railway |  |
| 2. | Machine name              |  |
| 3. | Quantity                  |  |
| 4. | Name of supplier          |  |
| 5. | Machine received on       |  |

1. All the parameters of the machine are found okay. The proving test on the machine was conducted from ..... to ..... and machine is working satisfactorily.
2. Machine has finally been commissioned on..... . The machine has been handed over for regular use and kept under one month observation to watch its performance.
3. Following minor deficiencies (if any) found during joint observation trials are to be attended/rectified by the firm during one month observation and before issuing the PTC for the machine:
- a.

b.

c.

Representative of firm  
Designation

Representative of consignee  
Designation  
(Minimum Gazetted level)

PERFORMANCE APPRAISAL FORM

APPRAISAL ON COMPLETION OF WARRANTY PERIOD

Dated:.....

To, M/s. ....

|       |   |        |
|-------|---|--------|
| 1.    | ICF AT No.                                    |        |
| 2.    | Consignee/Railway                             |        |
| 3.    | Name of supplier                              |        |
| 4.    | Machine Name                                  |        |
| 5.    | Machine received on                           |        |
| 6.    | Machine commissioned on                       |        |
| 7.    | PTC issued on                                 |        |
| 8.    | Warranty period expired on                    |        |
| 9.    | Performance during warranty period:           |        |
| 9(a)  | Total number of breakdowns                    |        |
| 9(b)  | Total downtime in number of days              |        |
| 10(a) | Any warranty complaint pending on date        | Yes/No |
| 10(b) | If yes, then the date and nature of defect(s) |        |

In case, Warranty Clause No.16 of the machine during warranty period is also given in Bid Document Pt. II, then following details of breakdown hours for preceding eight quarters may also be furnished.

| Quarter | Period<br>From -----To----- | Breakdown hours |
|---------|-----------------------------|-----------------|
| 1       |                             |                 |
| to      |                             |                 |
| 8       |                             |                 |

Signature-----  
Name-----

Designation: DY.CME/S-I./Dy.CEE/M  
Office Stamp

**Note:**

- i.) This appraisal may please be sent immediately on completion of warranty period. If any extension of warranty period required, may please also be mentioned with details.
- ii) Sr. Scale Officer having independent charge is also authorized to sign.



LIST OF COMPONENTS TO BE LOADED ON THE MACHINE

Following items are required to be proved out on Non CNC Hydraulic Press Brake  
Cap. 80T

| S.No. | Name of Item       | Drawing No.        | SIZE         | Time per piece |
|-------|--------------------|--------------------|--------------|----------------|
| 1.    | MEMBER             | AAA 10 982 001     | 2X102X200    | 3.94           |
| 2.    | MEMBER             | RLH 10 145 001     | 2X104.2X796  | 5.04           |
| 3.    | PART PILLAR        | 310 14 007 040 'h' | 2X150X214    | 5.24           |
| 4.    | PART PILLAR        | 310 14 007 041 'h' | 2X150X318    | 5.24           |
| 5.    | END CANTRAIL       | AAA 15 379 001     | 3.2X283X702  | 5.73           |
| 6.    | SILL               | AAA 15 261 001'a'  | 4X261.5X1272 | 3.14           |
| 7.    | PILLAR<br>STIFFNER | 310 14 002 031 'c' | 2X303X590    | 5.73           |
| 8.    | BRACKET            | AAA 10 963 001     | 6X52X274     | 2.09           |
| 9.    | BASE PLATE         | AAA 15 389 001 'a' | 3X482X971    | 5.43           |

ANNEXURE-G OF SECTION III

**Consignee’s Certificate for Quarterly Work Done Under CAMC**

1. Name of Plant:
2. Consignee
3. ICF AT No.
4. Name of Contractor
5. Quarterly charges for CAMC(Standard): Rs.\_\_\_\_\_  
As per ICF AT no.\_\_\_\_\_dt.\_\_\_\_\_
6. Quarter for which bills are preferred:\_\_\_\_\_  
From:\_\_\_\_\_To.\_\_\_\_\_
7. No. of Breakdowns during the quarter:
8. **Calculation of Penalty and Net CAMC charges payable to Contractor for the quarter:**

i. Total Plant Down Time (in days):

ii. Standard down days for preventive maintenance (in days/quarter):

iii. Total grace period for breakdown:

iv. Net down time for the plant [= (i)-{(ii)+(iii)}] :

v. 100% Availability for the quarter (in days) :

vi. Actual availability [= (v)-(iv)] :  
Actual availability in %age [= {(vi) / (v)}x 100]:

vii. Calculation of penalty:

a. %age availability below 90% to 80%:

b. %age availability below 80%:

c. Penalty[={(vii a)x(5)x0.005 +(vii b)x(5)x0.01}]:

viii. Net amount payable as CAMC charges to [(5)-(vii c)]

It is certified that spares borrowed by the contractor for the previous quarter have been returned in good condition.

Signature of authorized representative of

consignee

INTEGRAL COACH FACTORY, CHENNAI

(I C F)

REPORT ON FRESH TECHNICAL SUITABILITY ASSESSMENT

on ----- of

M/s\_\_\_\_\_.

| CONTENTS:                                      | PAGE NO. |
|--|----------|
| Para - 1 : GENERAL INFORMATION (MISCELLANEOUS) |          |
| Para - 2 : GENERAL INFORMATION (TECHNICAL)     |          |
| Para - 3 : DESIGN CAPABILITY                   |          |
| Para - 4 : MANUFACTURING PROCESS               |          |
| Para - 5 : QUALITY ASSURANCE                   |          |
| Para - 6 : AFTER-SALES SERVICE                 |          |
| Para - 7 : PAST PEPRFORMANCE                   |          |
| Para - 8 : COMMERCIAL INFORMATION              |          |
| Para - 9 : CONCLUSIONS AND RECOMMENDATION      |          |

LIST OF ANNEXURES :

- A : LIST OF MANAGERIAL & SUPERVISORY STAFF.
- B : LIST OF MACHINERY & PLANT.
- C : LIST OF QC EQUIPMENT AND MEASURING EQUIPMENT
- D : LIST OF IMPORTANT CUSTOMERS & ORDERS
- E : LIST OF PENDING ORDERS

SSI (and similar) REGISTRATION CERTIFICATES

COPY OF LATEST ELECTRICITY BILL

INCOME TAX CLEARANCE CERTIFICATE

INTEGRAL COACH FACTORY, CHENNAI -38  
(I C F)

REPORT ON TECHNICAL SUITABILITY ASSESSMENT

ON ----- of

M/s \_\_\_\_\_

1.0 GENERAL INFORMATION--MISCELLANEOUS

1.1 Name of the firm

1.1.1 Reason for Inspection

The firm was inspected to assess technical capability to meet ICF specifications, on the basis of prima-facie suitable offer in T. No.

1.1.2 Background in Brief

1.1.3 Location

1.2 Postal Address

i. Head Office :

ii. Works/Factory :

iii. Agents (if any) :

1.3 Telephone No.(with STD code).

i. Head Office :

ii. Works/Factory :

iii. Residence of important officials:

iv. Agents :

1.4. Fax/Email no. :

i. Head Office :

ii. Works/Factory :

iii. Agents :

1.5 Description of Factory/Works.

i. Total land area (in Sq.metres) :

ii. Total covered area (in sq.metres) :

iii. Different sub-units (with details of covered/ uncovered area etc.)

iv. Special features, if any :

- 1.6. No. of personnel employed (category-wise).
- i. Managerial :

ii. Supervisory (Attach statement. of managerial & supervisor staff at Ann.  
A)

iii. Skilled artisans :

iv. Unskilled :
- 1.7 Hours of working
- 1.8 Is this inspection for fresh technical suitability assessment? If it is a re-inspection details of earlier technical suitability assessment(s) to be furnished or attached.

2.0 GENERAL INFORMATION—TECHNICAL

- 2.1 Description of different departments in the Factory / Works and function of each department.
- 2.1.1 The break-up of different work areas given below refers to the main works at. In addition,  
Administrative Block :  
Fabrication and assembly.:  
Machine Shop :  
Store :  
Laboratory :
- 2.1.2 A plan of the works at \_\_\_\_\_,as described above, is attached at Annexure-B.
- 2.2 Detailed description of Machinery and Plant in each department (make and year of procurement /commissioning to be provided. For special type of equipment copy of pamphlets/write ups to be furnished so as to supplement the description).
- 2.2.1 The list of machinery & plant available is attached at Annexure-C.
- 2.2.2 It will be seen that .....
- 2.3 Plans for future expansion, if any.
- 2.3.1
- 2.4 Details of raw-materials held in stock (state whether imported / Indigenous).
- 2.4.1 List of raw-materials held in stock is at enclosed Annexure-D.

2.5 Production Capacity.

- i. Per month :

ii. Per year :
- 2.6 Type of Stores/Items, which the firm is capable of manufacturing.

- 2.7 Details of Stores/Items/Parts/components for which fresh

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technical suitability assessment is sought (please indicate complete description and drawing nos.)

2.8 In case, the application is also for inclusion of additional items at the time of technical suitability assessment, give a list of each along with complete description.

3.0 DESIGN CAPABILITY

3.1 Availability of Qualified Personnel.

3.1.1

3.2 Assessment of Expertise and Facilities.

3.2.1

4.0 MANUFACTURING PROCESS

4.1 Level of in-house Facilities

4.1.1

4.2 Important Items of Work by Outside Vendors

4.2.1

4.3 Brief details of manufacturing process relevant to the items for which technical suitability assessment is sought.

4.3.1

4.3.2

5.0 QUALITY ASSURANCE.

5.1 Does the factory have an established Quality Assurance Programme. If yes, please enclose a copy of the write-up? If not, what plans are there if any for setting it up?

5.1.1

5.2 Details of Quality Assurance Organization. Names of key personnel, their qualifications, designations and position in overall management structure (explain with organization chart, if necessary).

5.2.1 The QC organization is headed by Shri ....., who is designated as ....., with responsibility for.....

5.3 Quality Control Testing Facilities and Laboratory equipment available.

5.3.1 In-house facilities available for inspection and QC include the following:

- i .....
- ii .....
- iii .....

5.4 Availability of gauges(please give details)

5.4.1 The following important items of gauging and other related equipments are available:

5.5 Calibration of Laboratory/test equipment/gauges, indicated in Para 5.3 and 5.4 above:

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- i. How is the calibration done?

ii. Frequency of calibration.

iii. System to ensure that calibration of above equipments  
Does not fall overdue.

iv. Action taken if such calibration has fallen overdue.

- 5.5.1

5.6 Source of procurement of raw-materials, important bought-out,  
and steps taken to ensure their quality.

5.6.1

5.7 Details of inspection/checks done on material during various  
stages of the above manufacturing process.

5.7.1

5.8 Have acceptable values for the parameters inspected during  
above stage checks been laid down? If yes, the action taken if  
value of the parameter inspected does not meet the desired  
Laid down value.

5.8.1

5.9 System for documentation of the results of the above stage  
checks.

5.9.1

6.0 AFTER-SALES SERVICE

- 6.1 Facilities Available at Works and Branch Offices.

6.1.1

6.2 Assessment of Quality of Service Including Response times.

6.2.1

7.0 PAST PERFORMANCE

- 7.1 List of important customers of the firm (as relevant to the works  
for which requisition is sought).....

7.1.1 This is attached at Annexure-E. It is seen that.....

7.2 Details of important orders executed in the past, and reference  
to the supplies made. Also included in Annexure-E. ....

7.3 Important orders in hand  
There are presently ..... on order, These are as follows:

| Sl._No. | Consignee | Capacity |
|---------|-----------|----------|
|---------|-----------|----------|

- 7.4 Whether another unit/factory of the firm is already approved by  
ICF for supply of stores/components.

7.5 Performance of machines manufactured and supplied in the  
past to different consignees.

7.5.1 Selection of Consignees

7.5.2 Machines at M/s .....

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- 7.5.3 Conclusions on performance of M/s..... m/cs.
- 7.6 Commissioning Performance
- 8.0 COMMERCIAL INFORMATION
- 8.1 Full details of the location of the factory/Manufacturing works
- i. Address :

ii. Tele. Nos. :

iii. Telex/Fax :

iv. Email no. :

v. Website no.
- 8.2 Copies of following documents obtained and attached.
- i. Proof of Ownership.

ii. Factory License.

iii. Latest electricity bill.
- 8.3 Whether the firm is registered under Indian Factories Act.
- 8.4 Whether the firm comes under the scope of Industries (Development & Regulations) Act, 1951.
- 8.5 Income Tax Clearance Certificate Copy attached at Annexure-I.
- 9.0 CONCLUSIONS AND RECOMMENDATIONS.
- 9.1 Observations and Conclusions
- 9.1.1
- 9.2 Recommendations
- 9.2.1

(SIGNATURE)  
NAME:

DESIGNATION:

Place:

Date:



ANNEXURE – A OF ANNEXURE -H

DETAILED PARTICULARS OF MANAGERIAL STAFF  
AS ON-----

| S. No. | Name | Designation | Qualification | Working since |
|--------|------|-------------|---------------|---------------|
|        |      |             |               |               |

ANNEXURE -B OF ANNEXURE -H

LIST OF MACHINERY AND PLANT

| S. No | Description of Items | Manufacturer | Qty. | Year of procurement |
|-------|----------------------|--------------|------|---------------------|
|       |                      |              |      |                     |

ANNEXURE - C OF ANNEXURE -H

LIST OF QC EQUIPMENT AND MEASURING EQUIPMENT

| S. No. | Description | Range | Least count where applicable | Qty. | Year of procurement |
|--------|-------------|-------|------------------------------|------|---------------------|
|        |             |       |                              |      |                     |

ANNEXURE - D OF ANNEXURE -H

LIST OF IMPORATANT ORDERS EXECUTED W.E.F..... (DATE)

| S.N. | Purchaser Order No. | Description/ value | Delivery Date | Date recd. | Date Comm. | REMARKS |
|------|---------------------|--------------------|---------------|------------|------------|---------|
|      |                     |                    |               |            |            |         |

ANNEXURE - E OF ANNEXURE -H

LIST OF PENDING ORDERS AS ON ----- (DATE)

| S.No. | Purchaser | Order No. and date | Value |
|-------|-----------|--------------------|-------|
|       |           |                    |       |

QUALITY ASSURANCE PLAN  
MACHINE DESCRIPTION

| Category                     | S. No. | Component/ Process  | Sample Size     | Type Of Check                    | Quality record | TYPE OF CHECK | REMARKS |
|------------------------------|--------|---|-----------------|----------------------------------|----------------|---------------|---------|
| Bought Out Raw Material      |        | Steel plates, rods etc  | 1 Sample / Size | Chemical & Mech.                 | TC & INV.      | CHP           |         |
| Bought Out Components        |        | Bearings  | 100%            | Visual                           | Inv            | CHP           |         |
|                              |        | Electric motors   | 100%            | Review of TC                     | TC & INV       | CHP           |         |
|                              |        | Hydraulic Pumps , cooling system, toolings, machine lamps, Panel AC, operating& maintenance tools, controllers, Ball screws etc | 100%            | Review of TC                     | TC & INV       | CHP           |         |
| Fabrication & sub assemblies |        | Weld joints   | 100 %           | RT                               | IR             | CHP           |         |
|                              |        | Hardness on toolings  | 100%            | Hardness                         | IIR            | CHP           |         |
|                              |        | Heat Treatment  | 100%            | Review of Inv.                   | IIR            | V             |         |
|                              |        | Castings  | 100%            | Visual                           | IIR            | V             |         |
|                              |        | surface finish of components  | Random          | Surface                          | IR             | CHP           |         |
| Final Inspection             |        | Inspection of machine in complete as per specification  | 100%            | Visual & Load test               | IR             | CHP           |         |
|                              |        | Noise level   | 100 %           | Sound                            | IR             | CHP           |         |
|                              |        | Temperature rise of hydraulic oil   | 100 %           | Measurement                      | IR             | CHP           |         |
|                              |        | Structures Geometry alignment, Guideways  | 100%            | Relevant ISO/DIN/IS/JIS standard | IR             | CHP           |         |
|                              |        |   |                 |                                  |                |               |         |

INV - Invoice  
TC - Test Certificate  
V - Verification  
CHP - Customer Hold Point  
IIR - Internal Inspection Report  
IR - Inspection Report

ANNEXURE– J

CERTIFICATE OF PERFORMANCE  
(Letter Head of issuing authority)

Important Note: i) The certificate shall not be older than one year from the original date of closing of tender. The performance certificate issued after original date of closing of tender (in cases where tender closing date has been extended) are also acceptable however the machine must have completed one year of satisfactory working after date of commissioning as on original date of closing of tender. ) Performance certificate shall contain following information.

TO WHOMSOEVER IT MAY CONCERN

| S.N | Head   | Details                     |
|-----|--|-----------------------------|
| 1   | Name of the Supplier   |                             |
| 2   | Name of End User   |                             |
| 3   | Name of the machine/description of machine   |                             |
| 4   | Purchase/Supply Order Number   |                             |
| 5   | Date of Purchase/Supply Order  |                             |
| 6   | Date of Supply of machine(s)   |                             |
| 7   | Quantity supplied  |                             |
| 8   | Manufacturer's Serial Number(s) of machine(s) or Plant/ system etc. number (or some mode to identify the machine)(Optional)  |                             |
| 9   | Date of Commissioning (Give individual date for each machine)  |                             |
| 10  | Performance of the machine   | Satisfactory/unsatisfactory |
| 11  | Any other information which user intends to append, for example<br>a) aspects bringing out similar nature of machine,<br>b) major / leading parameters of the machine. |                             |

Signature of the issuing authority  
Name & Designation  
Contact Number  
Email id