

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)

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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

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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	For Actual values of the following major & other parameters of the offered 80 Ton Press Brake machine should be given: 2.2.1 MAJOR PARAMETERS: 2.2.1.1 Bending Capacity 2.2.1.2 Bending Length 2.2.1.3 Bending Material & Thickness 2.2.2 OTHER PARAMETERS: 2.2.2.1 Throat depth 2.2.2.2 Beam Stroke 2.2.2.3 Day light 2.2.2.4 Table Width 2.2.2.5 Distance between housing/distance between frames 2.2.2.6 Approach speed 2.2.2.7 Pressing or bending speed 2.2.2.8 Return speed 2.2.2.9 Back gauge 2.2.2.9.1 Range of Travel in X-axis 2.2.2.9.2 Positioning speed of X-axis 2.2.2.9.3 Positional accuracy (X-axis) 2.2.2.10 Main Motor Power (100% duty cycle) 2.2.1 MAJOR PARAMETERS: Note: No deviation shall be permitted in Major parameters.	Values
2.	2.3	Geometrical and Performance standards • Details of sample test charts • Details of Test Standard	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	Component description	Loading unloading time in min.	Set up time in min.	Checking/ measurement time in min.	Time for reversing the component in	Tool/die change time in min.	Operation/ Bending time	Total time in min.

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					min.		in	
							min.	

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

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

4.	2.5.1 to 2.5.4 and Note (i) to (ii)	Prove out at Manufacturer's Premises 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 onent	Thic knes s	Weigh t	Ben d No.	Intern al radius	Lengt h	Punch	Die	Die open ing	Die angl e	Ton nes per metr e	Tot al ton nes	No. of bend s
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7.	4.2.5	Operating & Maintenance Tools • Make • Description • Quantity										Values/Write up
8.	4.2.1	Lubricating, hydraulic oil & grease • Indigenous brand name • Quantity										Values/Write up
9.	4.2.4	Refrigerant type oil cooler for Hydraulic System make maximum heat removal rate in K Cal/hour										Values/Write up
10	4.2.7	Support Arms No of balls Length of arms										Values/Write up
11	4.2.8	Handling Roller Unit: Length of roller unit Width of roller unit Load bearing capacity Details of mechanism for height adjustment										Values/Write up

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

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

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		<ul style="list-style-type: none"> • DC voltage across phases, number of phases & frequency • Method of excitation whether shunts, series, compound or separately excited, if separately excited state excitation voltage. • Speed in RPM • Class of insulation • Normal full load current in amps. • Starting current • Temperature rise of windings and other parts allowed above an ambient temperature of 50 degree C. • Frame size of motor • End use of motor <p>CONTROL GEARS</p> <ul style="list-style-type: none"> • Manufacturer's Name • Type of control gear (Direct on line/Resistance type/Thyristor type) • Rating of starting gear in KW & amps. • Short circuit protection (Y/N) • No volt trip (y/n) • Overload trip (y/n) • Standard specifications to which the motor control gear and its ancillary offered conform to • Standard specification to which control gear conforms to 	
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25.	3.1 to 3.6	General Characteristics	Compliance/ Writeup
26.	3.8.1 to 3.8.7 of SECTION II	Details of lubrication system <ul style="list-style-type: none"> • Make of lubrication motor & pump • No. of lubrication points • Tank Capacity • Motor power in KW • Filter size (if used) • Nos. & details of safety devices. 	Values & Write-Up
27.	3.9.1 to 3.9.4	PNEUMATIC SYSTEM Range of air pressure Air pressure gauge No. of cylinder	Values & Write-Up
28	3.10.1 to 3.10.7 of SECTION II	Hydraulic system <ul style="list-style-type: none"> • Size of hydraulic tank, • Make • Max. pressure developed • Nos. of safety/interlocks provided against insufficient flow of hydraulic oil 	Value/ Write-Up
		Make of Hydraulic system elements. <ul style="list-style-type: none"> • Direction Valves • Cartridge valves • Pump • Modulating hydro mechanical servo valve • Manufactured items like valve block, covers, suction valve • Pressure relief valve • Pressure switch • Breather • Level Indicator • Temperature sensor & Indicator 	Values/Write up
		Capacity of refrigeration type oil cooling system. <ul style="list-style-type: none"> • No. of units • Make • Maximum heat transfer rate • Type of refrigerant used • Nos. of temperature sensing probes 	Values/Write up
29*.	4.1 to 4.2 to 4.2	Description and list of Technical manuals	Compliance /Brochure
30.	Misc.	<ul style="list-style-type: none"> • Total weight of the machine. • Total connected electrical load and its break up. • Details of quoted machine like brand name, model etc. 	Values

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		<ul style="list-style-type: none"> • Total working area • Maximum floor area required for installation and commissioning of the machine. • Facilities required during commissioning of the machine • Maximum size of packing and no. of packages 	
31.	Misc.	Dimensions (l x b x h) & weight of the major sub assemblies: 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

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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)

Signature Not
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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.	Status of readiness of foundation:	
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	

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

Representative of firm
Designation

Representative of consignee
Designation
(Minimum Gazetted level)

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ANNEXURE-D OF SECTION III

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)

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ANNEXURE-E OF SECTION III

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 From -----To-----	Breakdown hours
1		
to		
8		

Signature-----

Name-----

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

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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.

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ANNEXURE-F OF SECTION III

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 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**

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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

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:

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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.No.	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

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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

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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 a) aspects bringing out similar nature of machine, b) major / leading parameters of the machine.	

Signature of the issuing authority

Name & Designation

Contact Number

Email id

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