	ANNEXURE-E GUIDELINES TO INDIAN SUPPLIERS FOR FILLING-UP SUPPLIER REGISTRATION FORM FOR OUTSOURCING- VENDOR(WITH BHEL MATERIALS)	BHEL-TRICHY-OUTSOURCING	
		Document No.	TRY:OS:SR:01
		Revision No.	01
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- Prospective Suppliers may also visit our web site www.bhel.com (link Supplier Registration -> New Supplier Required) to know more about the requirement of new suppliers for various items in our units.
- Registration Form may be obtained from BHEL website www.bheltry.co.in.
- Application for registration, with a covering letter detailing where your products can find application (if possible) in BHEL unit(s), should be sent to:

Supplier Development Cell

Unit Name:

SCDC, OUTSOURCING-, 79 BUILDING, Bharat Heavy Electricals Ltd, Trichy 620014

City:

India


- In case registration is being sought in multiple units of BHEL, please send the separate application to each unit.
- Any clarification with respect to procedure for registration may be obtained from the Supplier Development Cell of respective BHEL unit.
- The Supplier Registration Form has four parts:

Part A	Organisational Information	Form no. SRF(I)01 – page 1 to 8
Part B	Quality System	Form no. SRF(I)01 - page 9 to 10
Part C	Technical Competence	Form no. SRF(I)01 page 11 (if sent by BHEL)
Part D	Score Sheet (to be filled by BHEL)	Form no. SRF(I)01 page 11 to 15

The set of formats to be filled by different category of suppliers is as follows:

Sl.No	Supplier Category	Formats
1.	Indian Suppliers (manufacturers)	- Organisational Information - Quality System - Technical Competence

- All columns are to be filled up properly in the space provided for. Wherever it is not applicable, please mention “Not Applicable”. The form is to be signed by the authorised signatory.
- A separate sheet may be attached if the space provided is insufficient or additional information is to be given. Please put proper identification tag on the separately attached sheet.
- Please ensure that all required enclosures are attached with the filled up Supplier Registration Form and all enclosures are numbered & list of enclosures is given as required.
- As multiple copies of the application forms are required for processing at our end, please do not spiral bound the application forms or its enclosures and instead send them in two hole clip flat file.
- Incomplete forms will be rejected.
- Any information / clarification required by BHEL during evaluation must be given expeditiously.
- Please note that if you are registered and participate in Tender process and qualify to get order from BHEL, your performance based on Quality of your product, delivery performance and service rendered will be evaluated in line with Chapter VI.
- Please fill up the check- list given on next page and send along with the Supplier Registration Forms to BHEL.
- If you are attaching a document in a language other than Hindi/ English, a self attested Hindi/ English translated document may please be also attached.

	ANNEXURE-E Check List for Indian Supplier Registration Form OUTSOURCING- VENDOR(WITH BHEL MATERIALS) <u>SUPPLIER REGISTRATION FORM</u>	BHEL-TRICHY-OUTSOURCING	
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Sl.No.	Check-Point	Yes/No
1.	Information against all points under “Organizational Information” (Part-A) has been given.	
2.	All enclosures, applicable checklist and supporting documents have been enclosed.	
3.	Summary list of enclosures has been furnished as per S.N.10 of Organisational Information from no. SRF (I) 01 & S.N 12 of Quality system form no. SRF (I) 01.	
4.	Are you an ISO 9001 accredited supplier?	
5.	If yes, have you enclosed "Table of Contents" of your Quality Manual and copy of ISO 9001 accreditation certificate?	
6.	Have you filled up Quality System format given in Part B?	
7.	Technical requirements, specifications, drawings, standards have been received from BHEL before filling up Technical Competence, Part C.	
8.	All the parts of the form & enclosures have been signed by Authorised Signatory.	
9.	Have you attached EFT details? (In original, Certified by the bank)	
10.	If you are seeking registration for a MSME company (as per MSME Act of Government of India), have you attached requisite certificate as per Act?	

Date :

Signature & seal

(Authorised Signatory)

Note: This check list is to be attached with the filled up Supplier Registration Form.

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ANNEXURE-E

GENERAL INSTRUCTIONS:

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- INFORMATION WITH * MARKS IS SCOREABLE.
- ALL COLUMNS SHOULD BE PROPERLY FILLED IN THE SPACE PROVIDED FOR, WHEREVER IT IS NOT APPLICABLE, PLEASE WRITE "NOT APPLICABLE". INCOMPLETE OR INCORRECT FORMS MAY NOT BE CONSIDERED. PLEASE ATTACH SEPARATE SHEET, IF SPACE AVAILABLE IS INADEQUATE.
- ALL THE PAGES OF THE FORM ARE TO BE SIGNED ALONG WITH SEAL BY THE AUTHORISED SIGNATORY
- THIS FORM CONTAINS PART A, B & C

PART- A: ORGANISATIONAL SOUNDNESS

SL. NO	OSB RATE SCHEDULE CATEGORIES	MFG. STD/ IS / DIN /BS

**BHARAT HEAVY ELECTRICALS LIMITED
SUPPLIER REGISTRATION FORM**

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ORGANISATIONAL INFORMATION

2.0 GENERAL INFORMATION : (Additional sheet to be attached in case more units)

2.11 NAME AND ADDRESS OF HEAD OFFICE IF ANY

2.12 NAMES OF THE WORKS/DIVISION (Products manufactured at each works to be mentioned :

ADDRESS : E - Mail

: TELEPHONE : Landline

: Mobile

2.2 NAME OF CHIEF EXECUTIVE /
PROPRIETOR / PARTNER & ADDRESS :

2.3 DETAILS OF AUTHORISED SIGNATORY FOR SEEKING CLARIFICATION :

NAME :

DESIGNATION : E - Mail

: TELEPHONE : Landline

Mobile

- Clarifications and correspondence shall be sent only to the authorized signatory

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
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FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

ORGANISATIONAL INFORMATION

3.0 OWNERSHIP INFORMATION : DOCUMENTS TO BE FURNISHED

3.1 GOVT. OF INDIA UNDERTAKING:

OR

STATE GOVT. UNDERTAKING :

OR

LIMITED COMPANY, :

MEMORANDUM AND
ARTICLES OF ASSOCIATION

OR

PRIVATE COMPANY :

MEMORANDUM AND
ARTICLES OF ASSOCIATION

OR

CO-OPERATIVE SOCIETY, :

SOCIETY RULES AND
BYE LAWS

OR

PARTNERSHIP FIRM, :

PARTNERSHIP DEED

OR

PROPRIETORSHIP, :

PROFESSION TAX REGN.
AND MUNICIPAL REGN.

ANY OTHER (SPECIFY) :

3.2 NATURE OF BUSINESS :

(MANUFACTURING UNIT/
ENGG CONSULTANT/ EPC CONTRACTOR)

(AGENTS/ DISTRIBUTORS/STOCKISTS/DEALERS/
TRADERS/ INDIAN SUBSIDIARY/ CHANNEL PARTNER – attach authorization
certificate of principal)

3.3 YEAR OF ESTABLISHMENT :

* 3.4 YEAR OF COMMENCEMENT OF BUSINESS :

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
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ORGANISATIONAL INFORMATION

4.0 REGISTRATION PARTICULARS

(FURNISH DETAILS AND ENCLOSE COPY OF CERTIFICATE FOR THE FOLLOWING)

4.1 PERMANENT ACCOUNT NO :
4.2 CENTRAL SALES TAX REGN NUMBER :
4.3 STATE SALES TAX / TIN NUMBER :
4.4 EXCISE DUTY REGN NUMBER :
4.5 EXCISE CONTROL CODE NUMBER :
4.6 SERVICE TAX REGN NUMBER :
4.7 CATEGORY AS PER MSMED ACT : MICRO/ SMALL/ MEDIUM
REGN NO. :
VALID UPTO :
(Attach Certificate)

5.0 TOTAL ORGANISATIONAL STRENGTH : (ATTACH ORGANISATION CHART)

	GRADUATE	DIPLOMA	SKILLED	NON-SKILLED
ENGINEERING :				
MANUFACTURING :				
QUALITY :				
QUANTITY(NDT) :				
COMMERCIAL / SERVICE AFTER SALES :				
OTHERS :				
TOTAL :				
CONNECTED LOAD TO EB : KVA				
* 5.1 STAND BY ARRANGEMENT FOR POWER : YES/ NO (GIVE DETAILS)				

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
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6.0 OTHER PARTICULARS :

(FURNISH DETAILS AND ENCLOSE DOCUMENTARY EVIDENCE/ COPY OF CERTIFICATE FOR THE FOLLOWING)

* 6.1 IF THE COMPANY IS ALREADY REGISTERED WITH ANY OF BHEL UNITS, GIVE :

6.1.1. BHEL UNIT'S NAME :

6.1.2. SUPPLIER REGN. CODE NO. :

6.1.3. ITEMS FOR WHICH REGISTERED & THEIR SPECIFICATION
(ENCLOSE PROOF OF SUCCESSFUL EXECUTION OF
ONE OR MORE PURCHASE ORDERS) :

* 6.2 IS THE COMPANY APPROVED BY
ASME / NTPC / NPC / EIL / DGS&D / RAILWAYS /
IBR / LLOYDS ETC FOR INTENDED
MATERIAL CATEGORY? : YES / NO
(ENCLOSE DOCUMENTARY EVIDENCE)

* 6.3 IS THE COMPANY ISO 9001 APPROVED? : YES / NO
(ENCLOSE CERTIFICATE & TOC OF QUALITY SYSTEM) :

* 6.4 IS THE COMPANY AN ISO 14000 APPROVED? : YES / NO
(ENCLOSE CERTIFICATE) :

* 6.5 IS THE COMPANY OHSAS - 18000 APPROVED?: YES / NO
(ENCLOSE CERTIFICATE)

* 6.6 TECHNICAL COLLABORATOR :
(FOREIGN OR INDIGENOUS)
(ENCLOSE DOCUMENTARY EVIDENCE)

6.7 R&D SET UP

6.8 DIRECTORS / PARTNERS, IF RELATED TO ANY
BHEL EMPLOYEE.
NAME :
STAFF NO. :
DESIGNATION :
Unit & DEPARTMENT :
RELATIONSHIP :

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
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ORGANISATIONAL INFORMATION

6.9 IF ANY EX-BHEL PERSONNEL IS EMPLOYED BY THE COMPANY, MENTION HIS / HER DETAILS OF LAST POSTING.

NAME :
STAFF NO. :
DESIGNATION :
UNIT & DEPARTMENT :
DATE OF LEAVING SERVICE:

6.10 COMPANY'S WEEKLY HOLIDAYS :

WORKS OFFICE

6.11 EXPERIENCE LIST:

(ATTACH LIST OF PRESENT CUSTOMERS WITH NAME & ADDRESS FOR WHOM SIMILAR PRODUCTS HAS BEEN SUPPLIED. PERFORMANCE / END USER CERTIFICATE/ RECENT PURCHASE ORDER COPIES MAY BE ATTACHED)

***6.12 DETAILS OF PENDING LEGAL ISSUES ON CONTRACTUAL ASPECTS WITH CUSTOMER, IF ANY**

6.13 The following information of Bank Account of the Company, duly endorsed by the Bank (required for Electronic Fund Transfer –EFT/RTGS) is to be submitted

1. Name of the Company
2. Name of Bank
3. Name of Bank Branch
4. City/Place
5. Account Number
6. Account type
7. IFSC code of the Bank Branch
8. MICR Code of the Bank Branch
9. Details of other Bankers (for reference purpose only)

NOTE :

Suppliers who have already submitted the above information are requested to submit a copy of the same.

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED

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ORGANISATIONAL INFORMATION					
FINANCIAL INFORMATION FOR THE PREVIOUS FOUR YEARS					
9.0	Parameter	Year 1	Year 2	Year 3	Year 4
		(Years in ascending order, Money value in Rs. Lakhs)			
* 9.1	NET WORTH (Share Capital +Reserves)				
	Growth over previous year (%)	-----			
9.2	LONG TERM DEBT / LOAN				
* 9.3	DEBT EQUITY RATIO Long term Debt (9.2) Net worth (9.1)				
9.4	INVESTMENT IN: Land & Building				
	Plant & Machinery				
	Other Fixed Assets				
9.5*	NET CURRENT ASSETS				
	1 a) Cash on hand				
	b) Account receivable				
	c) Inventories				
	Total				
	CURRENT LIABILITY				
	2 a) Sundry creditors				
	b) Interest accrued but not due				
	c) Other liabilities				
	Total				
3	* QUICK RATIO CA - INVENT. {9.5(1)-9.5(1)c} Current liability {9.5 (2)}				
* 9.6	SALES				
	Growth over previous year (%)	-----			
* 9.7	PROFIT BEFORE TAX				
	Growth over previous year (%)	-----			
* 9.8	Whether the supplier has been referred to BIFR / NCLT / any other Govt agency (If YES , enclose details)				YES / NO
* 9.9	Whether the supplier is a potential sick company.(If YES , enclose details)				YES / NO
<p>NOTE: 1. Copies of annual accounts (Balance Sheet) for the last four years (or from date of incorporation whichever is less) along with audit report are to be submitted. The above details shall be highlighted in the Balance Sheet.</p> <p>2. Status of Tax assessments done under various laws (Income Tax, VAT/Sales Tax, Excise & Service Tax, Custom) and details of disputes pending, if any, with these authorities to be submitted.</p>					
SUPPLIER'S AUTHORISED SIGNATORY			BHEL CERTIFIED ASSESSOR		

BHARAT HEAVY ELECTRICALS LIMITED

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ORGANISATIONAL INFORMATION

10. LIST OF ENCLOSURES (Tags to be put on enclosures) :

- (i) MEMORANDUM AND ARTICLES OF ASSOCIATION / SOCIETY RULES AND BYE LAWS / PARTNERSHIP DEED/ : YES / NO
PROFESSION TAX REGN & MUNICIPAL REGN.
- (ii) Copy of certificate of following:-
- PERMANENT ACCOUNT NO : YES / NO
 - CENTRAL SALES TAX REGN NUMBER : YES / NO
 - STATE SALES TAX / TIN NUMBER : YES / NO
 - EXCISE DUTY REGN NUMBER : YES/ NO
 - EXCISE CONTROL CODE NUMBER : YES / NO
 - SERVICE TAX REGN NUMBER : YES / NO
 - REGN NUMBER OF CATEGORY AS PER MSMED ACT : YES / NO
- (iii) ORGANISATION CHART : YES / NO
- (iv) If registered with any other BHEL Unit,
- LETTER OF REGISTRATION WITH BHEL UNIT : YES / NO
 - PROOF OF SUCCESSFUL EXECUTION OF ONE OR MORE PURCHASE ORDERS : YES / NO
- (v) Letter of approval from ASME / NTPC / NPC / EIL / DGS&D / RAILWAYS /IBR / LLOYDS ETC : YES / NO
- (vi) Accreditation certificate for
- ISO: 9001 : YES / NO
 - TOC of Quality System Manual : YES / NO
 - ISO : 14000 : YES / NO
 - OHSAS , ISO 18000 : YES / NO
- (vii) Letter regarding technical collaboration : YES / NO
- (viii) Experience List / Performance certificate : YES / NO
- (ix) Balance Sheet for the last four years along with audit Report : YES / NO
- (x) Principal's authorization in case of dealers/ agents : YES / NO
- (xi) EFT Bank's certificate : YES / NO

11. UNDERTAKING / DECLARATION LETTER BY VENDOR:

I /WE GIVE THE UNDERTAKING THAT BHEL DRAWINGS & SPECIFICATIONs SHALL NOT BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF BHEL AND/ OR FOR SUPPLY OF ANY MATERIAL, PRODUCT OR SERVICES DIRECTLY OR INDIRECTLY TO ANY OTHER CUSTOMER.

Maximum Marks = 50

Negative Marks = -13

Minimum Qualifying marks = 30

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED

SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

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FORM NO. SRF(I) 01

Part B (QUALITY SYSTEM):

Sl. No	PARAMETERS	SYSTEM IN EFFECT (Tick if exists & provide evidences if ticked in written procedure)		RECORDS (Tick if available & submit evidences)	REMARKS
		Written Procedure	Practice		
1*	Incoming Material Control System				Furnish a copy of system and organization.
2*	In process control				Furnish at least one work instruction & record of process control parameter
3*	Manufacturing / Testing Procedure Qualification				Procedure Qualification specification may be submitted
4*	Personnel qualification for 3 above.				Record of Personnel qualification (PQR) to be submitted
5*	Calibration system				Submit list of instrument & their calibration status
6*	System of Identification & Traceability of materials, tools, jigs, fixtures & processed components, etc.				Copy of procedure to be submitted
7*	System of Storage, Preservation, Painting & packing				Copy of procedure to be submitted
8*	System of NCR disposition & corrective preventive action				Two copies of NCR & CAPA
9*	Customer complaints handling system				Submit list of customer complaints & status for the last three years
10*	Safety measures				Submit copy of safety system & Record of accidents for last three years
11	Any other quality initiative				

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
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Part B (QUALITY SYSTEM):

12. LIST OF ENCLOSURES

- (i) Copy of system of control incoming materials and organization chart
- (ii) Copy of at least one process control work instruction
- (iii) Record of process control parameter
- (iv) Copy of at least one Procedure Qualification specification
- (v) Record of Personnel qualification (PQR)
- (vi) List of instrument & their calibration status
- (vii) Copy of procedure for Identification & Traceability of materials, tools, jigs, fixtures & Processed components, etc.
- (viii) Copy of procedure for Storage/ preservation/ painting & packing
- (ix) Copies of two NCRs and their CAPA.
- (x) List of customer complaints & status for the last three years
- (xi) Copy of safety system
- (xii) Record of accidents for last three years

Maximum Marks = 25

Minimum Qualifying marks = 15

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

**BHARAT HEAVY ELECTRICALS LIMITED
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FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

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FORM NO. SRF(I)01

Part C: TECHNICAL COMPETENCE

Technical competence shall be evaluated in two parts viz. common competence and product/Rate schedule category specific competence.

(i) COMMON TECHNICAL COMPETENCE

TECHNICAL COMPETENCE (Based on the drawings given by BHEL supplier shall respond for the below)	MARKING RANGE	SUPPLIER RESPONSE (ALONG WITH SUPPORTING DOCUMENTS)#	MARKS BY BHEL
1. Supplier understands the product specification.	(0-3)		
2. Supplier understands the inspection requirements.	(0-2)		
3. Supplier has process capability to achieve the product specification/dimensional requirement.	(0-3)		
4. Supplier has experienced manpower to carry out the job.	(0-2)		
TOTAL MARKS OUT OF POSSIBLE	10		

(ii) PRODUCT TECHNICAL COMPETENCE

(Max Marks: 25)

The checklist for each product/rate schedules are given in Annexure B. Supplier shall submit the checklist duly filled for each product. In order to qualify for a particular product/rate schedule the supplier has to fulfil all the mandatory conditions mentioned in the check list for each product/rate schedule.

Attach documentary evidence wherever applicable:

Documentary Proof for Machineries/Equipment: Purchase order copies / Photographs

Proof for Inspection equipment: Calibration details from NABL Approved lab for each equipment

LIST OF ENCLOSURES:

Maximum Marks = 35

Minimum Qualifying marks = 21

No marks is to be given by the supplier. Only supplier response along with supporting documents.

SUPPLIER'S AUTHORISED SIGNATORY

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

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Part D : SCORE SHEET:

- Score Sheet shall be filled only by BHEL officials based on the documents submitted and the same has been attached only for information. Based on the score supplier shall be rejected or recommended for further processing.

1. ORGANISATIONAL SOUNDNESS (for Manufacturers):

S.N.	PARAMETER	CRITERIA	Maxm. Marks	Marks Awarded
1.	Whether all relevant information like ownership, PAN no., sales tax no., excise duty no., etc. submitted	Yes: 2 No: 0	2	
2.	3.4 YEAR OF COMMENCEMENT OF BUSINESS	More than 5 years : 2 1-5 years : 1 Less than 1 year : 0	2	
3.	5.1 POWER BACKUP	Yes : 1 No : 0	1	
4.	5.2 DOES THE COMPANY SELL ITS PRODUCT DIRECTLY	Yes : 1 No : 0	1	
5.	6.1 REGISTERED WITH ANY OF BHEL UNITS	Yes (same item) : 2 Yes (another item) : 1 No : 0	2	
6.	6.2 APPROVAL BY ASME/ NTPC/ NPC/ EIL/ DGS&D/ RAILWAYS/ IBR/ LLOYDS ETC	Yes : 2 No : 0	2	
7.	6.3 ISO 9001 ACCREDITATION	Yes : 2 No : 0	2	
8.	6.4 ISO 14000 ACCREDITATION	Yes : 1 No : 0	1	
9.	6.5 OHSAS - 18000 ACCREDITATION	Yes : 1 No : 0	1	
10.	6.6 TECHNICAL COLLABORATOR : (FOREIGN OR INDIGENOUS)	Yes : 1 No : 0	1	
11.	6.12 PENDING LEGAL ISSUES ON TECHNO – COMMERCIAL ASPECTS WITH CUSTOMER	Yes : -5 No : 0	0	
	TOTAL		15	

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

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Part D: SCORE SHEET

- Score Sheet shall be filled only by BHEL officials based on the documents submitted and the same has been attached only for information. Based on the score supplier shall be rejected or recommended for further processing.

2. FINANCIAL INFORMATION (for Manufacturers):

S.N.	PARAMETER	CRITERIA	Maximum Marks	Marks Awarded
1.	9.1 Growth of Net Worth over previous year (%) Average of three years to be worked out	More than 20 % : 5 10 – 20 % : 4 5 – 10 % : 3 > 0 & < 5 % : 2 0 or below : 0	5	
2.	9.3 DEBT EQUITY RATIO <u>Long term Debt (9.2)</u> <u>Net worth (9.1)</u>	1 : 1 : 5 1.1 upto 1.5 : 1 : 4 1.6 upto 2.0 : 1 : 3 2.0 & above : 1 : 2	5	
3.	9.5 QUICK RATIO <u>CA - INVENTORIES {9.5(1)-9.5(1)c}</u> <u>Current liability {9.5 (2)}</u>	1 : 1 : 5 1 : 1 upto 1.5 : 4 1 : 1.5 upto 1.75 : 3 1 : 1.75 upto 2.5 : 2 1 : > 2.5 : 0	5	
4.	9.6 Growth in Sales over previous year (%) Average of three years to be worked out	More than 35% : 5 20 -35 % : 4 10 – 20 % : 3 5 – 10 % : 2 > 0 & < 5 % : 1 0 or negative : 0	5	
5.	9.7 PROFIT BEFORE TAX Growth over previous year (%)	More than 20 % : 5 10 – 20 % : 4 5 – 10 % : 3 > 0 & < 5 % : 2 0 or below : 0	5	
6.	9.8 Whether the supplier has been referred to BIFR / NCLT/ any other similar Govt agency	Yes: -5 No : 0	0	
7.	9.9 Whether the supplier is a potentially sick company	Yes: -3 No : 0	0	
	TOTAL		25	

Note: If the supplier is new in business and does not have past data, then the evaluation will be done on the basis of information provided by him and will be decided by MISCC.

BHEL CERTIFIED ASSESSOR

BHARAT HEAVY ELECTRICALS LIMITED

SUPPLIER REGISTRATION FORM

FORM NO. SRF(I) 01 (INDIAN SUPPLIER)

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Part D : SCORE SHEET

- Score Sheet shall be filled only by BHEL officials based on the documents submitted and the same has been attached only for information. Based on the score supplier shall be rejected or recommended for further processing.

3. QUALITY SYSTEM:

S.N.	PARAMETER	CRITERIA	Maxm. Marks	Marks Awarded
1.	Incoming Material control System	System availability : Yes: 1 No : 0	1	
		Availability of Organisation chart Yes: 1 No : 0	1	
2.	Process control	Work instruction available: Yes: 1 No : 0	1	
		Record of process Control : Available : 2 Partial record : 1 Not available: 0	2	
3.	Manufacturing / Testing Procedure Qualification	Procedure Qualification Specification : Adequate : 3 In adequate: 1 Not available : 0	3	
4.	Personnel qualification	Record of PQR: Adequate : 3 In adequate: 1 Not available : 0	3	
5.	Calibration system	Adequate : 3 In adequate: 1 Not available : 0	3	
6.	System of Identification & Traceability of materials, tools, jigs, fixtures & processed components, etc.	Procedure available : Adequate : 2 In adequate: 1 Not available : 0	2	
7.	System of Storage/ preservation/ painting & packing	Procedure available : Adequate : 2 In adequate: 1 Not available : 0	2	
8.	System of NCR disposition & corrective preventive action	Two copies of NCR & CAPA Available : 2 Not available : 0	2	
9.	Customer complaints handling system	System available : Yes: 1 No : 0	1	
		Complaints registered & resolved : 2 Complaints registered & partially resolved : 1 Complaints not registered or not resolved : 0	2	
10.	Safety measures	System available : Yes: 1 No : 0	1	
		Record available : Yes: 1 No : 0	1	
	TOTAL		25	

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BHARAT HEAVY ELECTRICALS LIMITED SUPPLIER REGISTRATION FORM

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Part D: SCORE SHEET

- Score Sheet shall be filled only by BHEL officials based on the documents submitted and the same has been attached only for information. Based on the score supplier shall be rejected or recommended for further processing.

4. TECHNICAL COMPETENCE

B. Product Specific Technical Competence

For each checklist Max marks of 25 to be given based on the availability of the machineries and testing equipment's. Balance 10 marks for common technical competence under Part C.

TOTAL (A+B): 35 ()

SUMMARY:

Sl. No	Criteria	Maxm Marks	Qualifying marks *	Marks obtained	Recommendation for registration
1.	Organisational Soundness	40	25		Recommended : Permanent code /Development code/ Trial code Not recommended
	Financial Information				
2.	Quality System	25	15		
3.	Technical Competence	35	30		
	TOTAL	100	70		

***Minimum Qualifying Score in Each category is indicated above:**

RECOMMENDATION:

BHEL CERTIFIED ASSESSOR

FACILITY CHECKLIST FOR OSB VENDOR REGISTRATION

SL NO	CHECKLIST NAME
1	AUTO WELDED BEAMS AND BUCKSTAY
2	CEILING GIRDER
3	COAL FEEDERS & GRAVIMETRIC FEEDERS
4	COLUMN
5	DRAIN OIL TANK & DOOR
6	DUCTS
7	FOUNDATION MATERIALS
8	GATE AND ISOLATION GATES
9	GENERAL FABRICATION
10	HANGERS AND SUPPORTS
11	HFO HEATER SET
12	INSTRUMENT TAPPING
13	METTALIC EXPANSION BELLOWS & PLEATED PANNEL
14	OIL GUN ASSY
15	SEAL BOXES
16	VENTURI & AERO FOIL DUCTS
17	WIND BOX AND SOFA
18	PUNCHING PRESSING AND SHEARING
19	COILS AND LOOSE TUBES
20	PANELS
21	MACHINING



BHEL - TIRUCHY
OUTSOURCING DEPARTMENT

(1) EVALUATION SHEET FOR AUTOWELDED BEAMS AND BUCK STAYS

Doc No: SVCL:024/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

Sl No	Paramter for evaluation	Minimum Required	As given by Firm
1	Land area . (If lease land 3 yrs with registered deed)	2 Acres	
	Fencing/Compound wall	All around	
2	Auto welding M/C(SAW) with track facility and fixture 45 degree	2 Nos, Min 800 amps, track 20 mtr min	
3	Covered shed	12M X 14M	
4	Power (MIN)	100 Hp /630 kva (3 phase)	
5	Material handling capacity(MIN)(Mobile crane/EOT & A frame with stability certificate)	20 MT	
6	Hydraulic warpage Removal M/c (Min 500 MT)	1 No	
7	Flux Baking oven and holding oven	1 NO EACH	
8	Electrode baking & holding oven	1 NO EACH	
8.a	Flask Oven	2 No	
9	Gas cutting		
9.a	Bug Cutting M/c	2 Nos	
9..b	manual cutting torch	2 Nos	
10	(SMAW)Welding M/c 400 Amps Inverter	5 Nos	
11	Grinding M/c		
11.a	Bench Grinding	1 Nos	
11.b	Manual / Portable	2 Nos	
12	Drilling M/c (Min 25 mm dia)	2 Nos	
13	Air Compressor of 5HP rating, gun for painting	1 set	
14	LPI kit	1 Set	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
15	MPI Unit	1 No	
16	Level II LPI/MPI qualified Personnel	1 Person	
17	Measuring Instruments (all calibrated)		
17.a	Tape 3m,5m,20m	each 2 Nos	
17.b	Vernier 0-200mm	1No.	
17.c	Feeler Gauge	1No.	
17.d	Weld fillet gauge 25 MM	1 no	
17.e	Straight Edge	1 No	
17.f	Try square	1 no	
17.g	Sprit level	1 no	
17.h	DFT meter for painting	1 No	
17.i	Water level checking arrangement	1 no	
18	IT Pan Card	Original to be verified	
19	TIN No	Original to be verified	
20	Excise Registration Certificate	Original to be verified	
21	Office room with 2 PC , internet facility and printer	Must	

Part-B (Optional)

1	Standby Generator :		
	a Capacity (HP)		
	b Owned or On rent		
2	PRESS BRAKE (25 MM)		
3	Spectrometer (Applicable for Alloy Steel fabrication)	Inhouse/outourced	
4	ISO Certification		

Important Notes :

01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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OUTSOURCING DEPARTMENT

2) EVALUATION SHEET FOR CEILING GIRDER

Doc No: SVCL:004/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
1	Land area . (If lease land 3 yrs with registered deed)	2 acres	
	Fencing/Compound wall	All around	
2	Covered Shed	30 x40 m	
3	EB Power Capacity in HP	100 Hp /630 kva (3 phase)	
4	<u>Material Handling:-</u> Handling Facility for Column Assembly (EOT / A Frame / Gantry Mobile)	To Handle 60 MT (Single piece)	
		Span: 12m	
		Track Length :60 m	
5	<u>Welding Machine Details:-</u> Auto Welding M/C (SAW) with track facility and fixture 45 degree	2 Nos, Min 800 amps, track 20 mtr min	
6	(SMAW)Welding M/c 400 Amps Inverter	5 Nos	
7	Roller stand	6 nos min.	
8	Pre heating & post weld HT	Burner with 10m min length.	
8.a	Flask Oven	2 No	
9	Electrode Baking & Drying Oven (Calibrated)	1No+1No	
10	Flux Baking Oven (Calibrated)	1No	
11	Grinding M/c		
11. a	Bench Grinding	1 Nos	
11. b	Manual / Portable	2 Nos	
12	Drilling M/c (Min 25 mm dia)	2 Nos	
			PAGE - 04 OF 40

SI No	Paramter for evaluation	Minimum Required	As given by Firm
13	Gas cutting		
13.a	Bug Cutting M/c	2 Nos	
13 b	manual cutting torch	2 Nos	
14	Band saw	1	
15	Measuring Instruments (all calibrated)		
15.a	Tape 3m,5m,20m	each 2 Nos	
15.b	Vernier 0-200mm	1No.	
15.c	Feeler Gauge	1No.	
15.d	Weld fillet gauge 25 MM	1 no	
15.e	Radiographic Testing facility with qualified personnel	1 No+ 1 person	
15.f	Straight Edge	1 No	
15.g	DFT meter for painting	1 No	
15.h	Try square	1 no	
15.i	Sprit level	1 no	
15.j	Water level checking arrangement	1 no	
16	IT Pan Card	Original to be verified	
17	TIN No	Original to be verified	
18	Excise Registration Certificate	Original to be verified	
19	Office room with 2 PC , internet facility and printer	Must	
Part - B (Optional)			
1	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
2	Stenciling		
3	Punching Machine		

Important Notes :

01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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OUTSOURCING DEPARTMENT**

3) EVALUATION SHEET FOR COAL FEEDERS / GRAVIMETRIC FEEDERS

Doc No: SVCL:017/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
1	Land area . (If lease land 3 yrs with registered deed)	2 Acres	
2	Office room with 2 PC , internet facility and printer	Must	
	Fencing/Compound wall	All around	
3	Covered shed	10m x 15m	
4	EB Power	100 Hp /630 kva (3 phase)	
5	Handling Facility (EOT/A frame/ Gantry Mobile)	To Handle 10 MT	
6	Full fledged covered storage for electrical &sub delivery items	Racks with proper traceability	
7	(SMAW)Welding M/c 400 Amps Inverter	Min 4 Nos.	
8	CNC Floor Boring Machine	Min 1 No.	
9	Bug cutting sets	Min 2 sets	
10	Shearing Machine/ Plasma cutting machine for SS materials for thickness of 6mm and 10 mm	Min 1 No.	
11	Grinding Machine - AG-7	Min 5 Nos	
12	Bench Grinder for tools	1 no	
13	Bending machine or Rolling Machine	1 no	
14	Bandsaw cutting machine	1 no	
15	Flat Base Plate (25 mm) 500 mm raised level of size 3m x 4 m for feeder reference setting	2 Nos	
16	Table type drilling	1 no	
17	Radial Drilling	3 nos	
18	Lathe for holding bigger dia jobs (600 mm dia)	1 no	

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SI No	Paramter for evaluation	Minimum Required	As given by Firm
19	Lathe for doing small jobs in parallel like pins and so on	1 no	
20	Milling machine	1 no	
21	Taps for threading (M24,M20,M16,M12, M10)	1 set	
22	Tool Box with all ranges of spanners for assembly of GR feeders	1 set	
23	Air Compressor of 5HP rating,gun for painting	1 set	
24	IT Pan Card	Original to be verified	
25	TIN No	Original to be verified	
26	Excise Registration Certificate	Original to be verified	
	Inspection Facilities		
1	Measuring device set (tape, vernier , Dial gauge and micrometers,height guages with calibrn)	Min 1 No each	
2	MPI machine -prod type with calibration	1No	
3	LPI sets with required claibration	1 No	
4	Level II LPI/MPI qualified Personnel	1 Person	
5	Surface table for marking machining components	1 no	
6	DFT meter for painting	1 no	
Part-B (Optional)			
1	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
2	Cylindrical Grinding	Inhouse/ Outsourced	
3	ISO Certification		
Inspection facilities and Fixtures			
01	Fit up bench and Spiders for shell welding	1 No	
02	End door fixture	1 no	
03	Inlet collar fixture	1 No	
04	Fixture for Rail upper Guide & Rail lower guide	1 no	
05	Chain link Fixture	1 No	
06	Frame LH & RH Fixture	1 no	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
07	Plate end door fixture	1 No	
08	Block machining Fixture	1 No	
09	Jig for table type drilling	1 no	
10	Jig for radial drilling	1 no	
12	Electronic weighing machine with calibration records	1 no	
13	U tube mano meter	1 Set	

Important Notes :	
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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OUTSOURCING DEPARTMENT**

4) EVALUATION SHEET FOR COLUMNS

Doc No: SVCL:001/00

Vendor Name :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
1	Land area . (If lease land 3 yrs with registered deed)	2 Acres	
	Fencing/Compound wall	All around	
2	Covered shed	12m X 20m	
3	EB Power	100 Hp /630 kva (3 phase)	
4	(SMAW)Welding M/c 400 Amps Inverter	5 Nos	
5	Hydraulic warpage Removal M/c (Min 500 MT)	1 No	
6	Gas cutting		
6.a	Bug Cutting M/c	2 Nos	
6.b	manual cutting torch	2 Nos	
7	Roller Supports for Individual Column Pieces - Column Assembly	14 Nos. (Open area length Min :85 M)	
8	End machining set up to obtain rest plate/ cap plate flatness of 0.1 mm accuracy	1No	
9	Auto welding M/C(SAW) with track	2 Nos, Min 800 amps, track 20 mtr min	
10	Pre heating	Burner with 10m min length.	
10.a	Flask Oven	2 No	
11	Electrode Baking & Drying Oven (Calibrated)	1No+1No	
12	Flux Baking Oven (Calibrated)	1No	
13	Handling Facility for allingment during SAW	To Handle 60 MT (Single piece) * combination	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
14	Handling Facility for Column Assembly .(EOT/A frame/ Gantry Mobile)	To Handle 60 MT (Single piece)	
15	MPI machine -prod type with calibration	1No	
16	LPI Kit	1 Set	
17	Level II LPI/MPI qualified Personnel	1 Person	
18	Drilling machine - Column Assembly	Column Drilling M/C, Portable (Magnet) 2 Nos	
19	Portable Drilling machine	1No	
20	Radial Drilling machine	1No	
21	Measuring Instruments (all calibrated)		
21.a	Tape 3m,5m,20m	each 2 Nos	
21.b	Vernier 0-200mm	1No.	
21.c	Feeler Gauge	1 set	
21.d	Weld fillet gauge 25 MM	1 no	
21.e	Straight Edge	1 No	
21.f	Try square	1 no	
21.g	Sprit level	1 no	
21.h	DFT Meter	1 No	
21.i	Water level checking arrangement	1 no	
22	Air Compressor of 5HP rating with gun for painting	1 set	
23	Office room with 2 PC , internet facility and printer	Must	
24	IT Pan Card	Original to be verified	
25	TIN No	Original to be verified	
26	Excise Registration Certificate	Original to be verified	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
Part - B (Optional)			
1	ISO Certification		
2	Stenciling	Off cuts identification (using metal markers). Spectro machine preferable	
3	Post welding Heat Treatment Facilities (Electrical Resisitance upto 40 mm and induction heating above 40 mm)	Inhouse/Out sourced	
4	Templates and Shop made gauges	As per product requirements	
5	UT/RT	Inhouse/Out sourced	
6	Blast cleaning	Commercial blasting	
7	Punching Machine		
8	CNC cutting machine		
9	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
10	LOCAL SR (OWN / OUTSOURCED)		

<u>Important Notes :</u>	
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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OUTSOURCING DEPARTMENT**

5) EVALUATION SHEET FOR DRAIN OIL TANK AND DOORS

Doc No: SVCL:023/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

Sl No	Paramter for evaluation	Minimum Required	As given by Firm
1	Land area . (If lease land 3 yrs with registered deed)	2 Acres	
2	Fencing/Compound wall	All around	
3	Full fledged covered storage for electrical &sub delivery items	Racks with proper traceability	
4	Covered shed	10M x 5M	
5	Centre Lathe 3 feet	1 No	
6	TIG welding equipment	1 No	
7	Grinding machine - AG 5, AG 7	1 No each	
8	Pump for hydro testing upto. 50 Kgs / Cm ² with calibrated pressure gauges	1 No	
9	Bench Drilling machine & magnet base drilling m/c	1 No each	
10	(SMAW)Welding M/c 400 Amps Inverter	2 Nos	
11	Electrode baking & holding oven	1 NO EACH	
12	Flask Oven	2 No	
13	Wire Wheel - for power tool cleaning	1 No	

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SI No	Paramter for evaluation	Minimum Required	As given by Firm
14	LPI kit	1 Set	
15	MPI Unit	1 No	
16	Level II LPI/MPI qualified Personnel	1 Person	
17	Shearing Machine	upto 12 mm thickness	
18	Gas cutting equipment for bottom plates	2 Nos	
19	Handling	12T hydra mobile crane	
20	Air Compressor of 5HP rating with gun for painting	1 set	
21	IT Pan Card	Original to be verified	
22	TIN No	Original to be verified	
23	Excise Registration Certificate	Original to be verified	
24	EB Power	A must	
25	Office room with 2 PC , internet facility	Must	
Part-B (Optional)			
1	Rolling/bending machine	upto 20 mm thickness	
2	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
3	ISO Certification		
Important Notes :			
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit		
02	Part-B is only optional and need not be considered for disqualifying the vendor.		

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OUTSOURCING DEPARTMENT

6) EVALUATION SHEET FOR DUCTS & TRUSS ASSEMBLY

Doc No: SVCL:002/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
1	Land area . (If lease land 3 yrs with registered deed)	2 Acres	
	Fencing/Compound wall	All around	
2	Covered shed	10 M X 10 M	
3	EB Power	100 Hp /630 kva (3 phase)	
4	(SMAW)Welding M/c 400 Amps Inverter	4 Nos	
5	Three roller bending machine	Min 7 mm	
6	LPI kits	1 No.	
7	Drilling machine (Min 16 mm	1 Nos	
7.a	Portable Drilling Min 16 mm dia	1 Nos	
8	Gas Cutting/ Shearing machine	1 No.	
9	Grinding M/c		
9.a	Bench Grinding	1 Nos	
9.b	Manual / Portable AG 5&7	2 Nos Each	
10	Material Handling		
10.a	A-Frame with stability cert or Mobile Crane	10 MT	
10.b	Crane capacity for Trail Assembly	Boom length adequate to handle upto 15 m height	
10.c	Leased Mobile crane	Lease agreement	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
11	Measuring Instruments (all calibrated)		
11.a	Tape 3m,5m,20m	each 2 Nos Make Tazima	
11.b	Vernier 0-150mm	1No.	
11.c	Weld fillet gauge	1 No.	
11.d	Try square	1 No.	
11.e	Sprit level	1 No.	
12	Water level checking arrangement	1 No.	
13	Air test facility -Air Compressor of 5HP rating , gun and U tube manometer combinations for painting	1 set	
14	IT Pan Card		
15	TIN No		
16	Excise Registration Certificate		
17	Office room with 2 PC, internet facility and printer	Must	

Part-B (Optional)

1	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
2	Machine Stenciling (Template)		
3	PRESS BRAKE (10 MM)		
4	Punching Machine		

Important Notes :

01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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**BHEL - TIRUCHY
OUTSOURCING DEPARTMENT**

7) EVALUATION SHEET FOR FOUNDATION MATERIALS

Doc No: SVCL:021/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
1	Land area . (If lease land 3 yrs with registered deed)	1 Acres	
	Fencing/Compound wall	All around	
2	EB Power	100 HP (3 Phase)	
3	Covered shed	10M x 5 M	
4	Centre Lathe - 6' - with threading facility.(80 mm Dia / Thread Rolling Machine.)	2 Nos	
5	Welding machine (SMAW)400 Amps.	2 Nos	
6	Electrode Baking Oven & Flask	1 Nos	
8	Grinding M/c		
a	Bench Grinding	1 Nos	
b	Manual / Portable AG 5/7	2 Nos	
9	LPI kit	1 Set	
10	MPI Unit	1 No	
11	Level II LPI/MPI qualified Personnel	1 Person	
12	Wire Wheel (for power tool cleaning)	1 Nos	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
13	Cutting equipment- power saw cutting & gas cutting (for rod and bottom plates)	1 No each	
14	Air Compressor of 5HP rating ,gun for painting	1 set	
15	Measuring Instruments (all calibrated)		
15.a	Tape 3m,5m,20m	each 2 Nos	
15.b	Micro Dial Gauge	2 Nos	
15.c	Vernier 0-200mm	1No.	
15.d	Weld fillet gauge 25 MM	1 no	
15.e	Ring Gauge/ Plug Gauges	As per Drg	
15.f	Straight Edge	1 No	
15.g	Try square	1 no	
15.h	Sprit level	1 no	
16	IT Pan Card	A must	
17	TIN No	A must	
18	Excise Registration Certificate	A must	
19	Office room with 2 PC , internet facility and printer	Must	
Part-B (Optional)			
1	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
2	Furnace for Heat Treatment		
3	ISO Certification		
Important Notes :			
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit		
02	Part-B is only optional and need not be considered for disqualifying the vendor.		

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**BHEL - TIRUCHY
OUTSOURCING DEPARTMENT**

8) EVALUATION SHEET FOR GENERAL FABRICATION, STAIRS & DUCTS SUPPORTS

Doc No: SVCL:026/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

Sl No	Paramter for evaluation	Minimum Required	As given by Firm
01	Land area . (If lease land 3 yrs with registered deed)	2 acres	
	Fencing/Compound wall	All around	
02	Covered Shed	10 M X 10 M	
3	Power (MIN)	100 Hp /630 kva (3 phase)	
4	Material Handling		
4.a	A-Frame with stability cert or Mobile Crane	10 MT	
4.b	Leased Mobile crane	Lease agreement	
5	Electrode baking & holding oven	1 NO EACH	
5.a	Flask Oven	1 No	
6	Manual Gas cutting	2 No	
7	Grinding M/c		
7.a	Bench Grinding	1 Nos	
7.b	Manual / Portable AG 5&7	2 Nos Each	
08	(SMAW)Welding M/c 400 Amps Inverter	2 Nos	
09	Drilling machine (Min 25 mm	1 Nos	
10	Level II LPI/MPI qualified Personnel	1 Person	
11	Painting Facility (5 HP compressor with Gun)	1 No.	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
12	Office room with 2 PC , internet facility and printer	Must	
13	Measuring Instruments (all calibrated)		
13.a	Tape 3m,5m,20m	each 2 Nos	
13.b	Vernier 0-200mm	1No.	
13.c	Feeler Gauge	1No.	
13.d	Weld fillet gauge 25 MM	1 no	
13.e	Straight Edge	1 No	
13.f	Try square	1 no	
13.g	Sprit level	1 no	
13.h	Water level checking arrangement	1 no	
14	IT Pan Card	Must	
15	TIN No	Must	
16	Excise Registration Certifcate	Must	
Part-B (Optional)			
1	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
2	ISO Certification		
3	Lathe (Max 100 mm Dia)	1 No	
4	Heat Treatment	1 No	
Important Notes :			
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be		
02	Part-B is only optional and need not be considered for disqualifying the vendor.		

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9) EVALUATION SHEET FOR HANGERS AND SUPPORTS

Doc No: SVCL:003/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

Sl No	Paramter for evaluation	Minimum Required	As given by Firm
1	Open area	1 Acre	
2	Covered shed	12m X 20m	
3	EB Power	70 Hp (3 Phase)	
4	Lathe	Minimum 4 Nos, Spindle bore dia ranging from bore dia 25 to 100(minium one lathe bore dia 100mm)	
5	Thread Rolling M/C/Thread chasing M/C	Dia upto dia 63 mm - 1No	
6	Gas cutting/Manual cutting torch	1 No	
7	Grinding M/C	2 Nos (AG7 & Bench Type)	
8	Welding M/C	8 Nos.	
8.a	TYPE	RECTIFIER / INVERTOR	
8.b	Capacity	400 Amps	
9	Electrode Oven (Calibrated)	2 Nos	
10	Drilling Machine	1 No. (Dia –2inch)	
11	Heat Treatment Furnace with PID controller OWN	1 No.	
11.a	Size	1m x 1m x 1m	
12	Spectrometer	Inhouse/Outsourced	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
13	Air test facility -Air Compressor of 5HP rating, gun and U tube manometer combinations for painting	1 set	
14	RT/UT	Inhouse/Outsourced	
15	LPI&MPI Testing facility	one set	
15	Vernier	0-300mm	
17	Bevel protractor	1 No	
18	Tape 3m,5m,20m	each 1	
19	Thread gauges	1 No	
20	Rod straightening machine	1No	
21	IT Pan Card	Original to be verified	
22	TIN No	Original to be verified	
23	Excise Registration Certificate	Original to be verified	
24	Office room with 2 PC , internet facility and printer	Must	
Part-B (Optional)			
1	Standby Generator availability		
	Capacity		
	Own/Registered/Lease		
2	Engraving/Dot punching type		
5	Stenciling Machine		

Important Notes :	
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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**BHEL - TIRUCHY
OUTSOURCING DEPARTMENT**

10) EVALUATION SHEET FOR OIL SYSTEM (HFO/LFO HEATER SET /BURNER SKID ASSY)

Doc No: SVCL:014/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
01	Surface area of land	1 Acre, 0.5 Acre for an exclusive unit	
	Fencing/Compound wa	All around	
02	Covered Shed	10m x 12m	
03	Full fledged storage for electrical &sub delivery items	Racks with proper traceabilty for items stores	
04	EB Power availability	70 HP with 35 HP power for the exclusive unit	
05	Overhead Crane/ Mobile Crane/ A - Frame	Min 12T capacity	
06	Lathe for tube sheet, shell end cover &steam channel machining	Min 1 No. (swing over bed 300mm),	
07	Grinding Machine	AG5-2 nos, AG7-2nos, Bench type for tool grinding-1 no.	
08	Welding Machine Invertor/Rectifier type with 400A	4 Nos.	
09	TIG Welding M/c and with accessories	1 No	
14	Oil bath with heating arrangement upto 500 degree celsius	1 No	
10	Plasma Cutting Machine	1 No	
11	Shearing/Pug Cutting Machine	1 No	
12	Electrode Oven Calibrated	1 No	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
13	Radial Drilling Machine with capacity for diameter of 32mm	1 No - With reamer and groover tools	
14	Tube expander with torque M/c with expansion tool	Holding capacity size 17mm-1no , Tool Size 17mm - 5 nos	
15	Tube Bending m/c with former (D21.3, R 45 & 60)	1 No	
16	Hydro test facilities with capacity 50 – 75 Kg/ sq cm , and pressure gauges	1 No, with 3 gauges (calibrated)	
17	Air Compressor of 5HP rating, gun for painting	1 set	
18	Measuring Instruments	Bore Dial Gauge 10-20mm - 1 No, Dial Gauge - 1 No, Micrometer 0-25mm - 1No, Vernier 0-600m - 1 No, Measuring Tape 3m - 1 No, 15m - 1 No.	
19	NDE Facilities	LPI Kits - 2 Nos, MPI Kit- 1 No (1000A). NDE Personnel level-II	
20	IT Pan Card	Original To be verified	
21	TIN No	Original To be verified	
22	Excise Registration Certificate	Original To be verified	
23	Office room with 2 PC , internet facility and printer	Must	

Part-B (Optional)

1	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
2	ISO Certification		

Important Notes :

01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

SIGNATURE OF AUTHORIZED PERSON WITH SEAL



BHEL - TIRUCHY
OUTSOURCING DEPARTMENT

11) EVALUATION SHEET FOR INSTRUMENT TAPPING (PRESSURE /TEMPERATURE)

Doc No: SVCL:018/00

Vendor Name :

Part-A (Mandatory)

Sl No	Paramter for evaluation	Minimum Required	As given by Firm
1	Land area . (If lease land 3 yrs with registered deed)	2 Acres	
	Fencing/Compound wall	All around	
2	Covered Shed	10m x 12m	
3	Abrasive cutting equipment - for pipe cutting	1 No	
4	Lathe 3 feet - for threads forming and turning (100 mm Dia)	1 No	
5	Portable Grinding machine - AG-7	2 Nos	
6	Welding machine with 400 Amps	2 Nos	
7	Bench Drilling machine	1 No	
8	Electrode Baking Oven & Flask	1 No each	
9	LPI kit	1 Set	
10	MPI Unit	1 No	
11	Level II LPI/MPI qualified Personnel	1 Person	
12	Measuring Instruments (all calibrated)		
12.a	Tape 3m,5m,20m	each 2 Nos	
12.b	Ring Gauge/ Plug Gauges	As per Drg	
12.c	Vernier 0-200mm	1No.	
13	Wire Wheel - for power tool cleaning	1 No	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
14	Air Compressor of 5HP rating, gun and for painting	1 set	
15	Office room with 2 PC , internet facility and printer	Must	
Part-B (Optional)			
1	Fencing/Compound wall	All around	
2	Standby Generator		
2.a	Capacity (HP)		
2.b	Owned or On rent		
3	ISO Certification		

Important Notes :

01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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**BHEL - TIRUCHY
OUTSOURCING DEPARTMENT**

12) EVALUATION SHEET FOR METALLIC EXPANSION BELLOWS & PLEATED PANEL

Doc No: SVCL:005/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
1	Open area	1 Acres	
2	Fencing/Compound wall	All around	
3	Covered shed	12m X 14m	
4	EB Power	100 Hp /630 kva (3 phase)	
5	Shearing Machine	4mm Thick and 3m width	
6	Press Brake /Hydaraulic press with appropriate tooling to handle different varities as per drawing	6mm Thick and 3m width (Min 1 no 50-100 MT)	
7	(SMAW)Welding M/c 400 Amps Inverter	2 Nos	
8	Measuring Instruments (all calibrated)		
8.a	Tape 3m,5m,20m	each 2 Nos	
8.b	Try square	1 no	
8.c	Sprit level	1 no	
8.d	Vernier 0-200mm	1No.	
8.e	Straight Edge	1 No	
9	Grinding M/c		
9.a	Manual / Portable	1 No	
10	Material handling capacity(MIN)(Mobile	10 MT	
11	IT Pan Card		

SI No	Paramter for evaluation	Minimum Required	As given by Firm
12	TIN No		
13	Excise Registration Certificate		
14	Office room with 2 PC , internet facility and printer	Must	
Part-B (Optional)			
1	Horizontal bending using formers for Round corners	Min 1 No.	
2	Spectro Testing (AS/SS)	Access to testing labs, other NABL approved labs	
3	Furnace Heat Treatment	Inhouse / Outsourced	
4	Knowledge on designing forming tools/dies		

Important Notes :

01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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**BHEL - TIRUCHY
OUTSOURCING DEPARTMENT**

13) EVALUATION SHEET FOR OIL GUN ASSEMBLY

Doc No: SVCL:022/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
01	Surface area of land	1 Acre, 0.5 Acre for an exclusive unit	
	Fencing/Compound wall	All around	
02	Covered Shed	10m x 15m	
03	Full fledged covered storage for electrical & sub delivery items(covered shed for electrical items)	With racks and records for proper traceability	
04	EB Power availability	70 HP with 35 HP power for the exclusive unit	
06	Lathe (Dia 200 mm)	Min 1 No.	
07	Grinding Machine	AG5-2 nos, AG7-2nos, Bench type for tool grinding-1 no.	
08	Welding Machine Invertor/Rectifier type with 400A	4 Nos.	
09	TIG Welding M/c and with accessories	1 No	
10	Plasma Cutting Machine	1 No	
11	Shearing/Pug Cutting Machine	1 No	
12	Electrode Oven Calibrated	1 No - for Baking and 1 No- for drying	
13	Portable Drilling Machine with capacity for diameter of 32mm	1 No	

Sl No	Paramter for evaluation	Minimum Required	As given by Firm
14	Vertical Milling Machine	1 No	
15	Precision Drilling Machine Dia 8 mm	1 No	
16	Hydro test facilities for a pressure at least upto 75-100 kg/sq.cm	1 No with 3 calibrated gauges to suit the test pressure	
17	Measuring Instruments	Bore Dial Gauge - 1No, Digital Vernier 0-300mm - 1 No, Measuring Tape 3m - 1 No, 15m - 1 No.	
18	NDE Facilities	LPI Kits - 2 Nos, MPI Kit-1 No (1000A). NDE qualified Personnel level-II	
19	IT Pan Card		
20	TIN No		
21	Excise Registration Certificate		
22	Office room with 2 PC , internet facility and printer		

Part-B (Optional)

1	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
2	Nitriding	Outsourced	
3	Hardness testing Facility	Inhouse/ Outsourced	
4	ISO Certification		

Important Notes :

01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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**BHEL - TIRUCHY
OUTSOURCING DEPARTMENT**

14) EVALUATION SHEET FOR RAW COAL GATES / ISOLATION GATES / NEEDLE GATES

Doc No: SVCL:020/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
01	Land area . (If lease land 3 yrs with registered deed)	1 Acre, 0.5 Acre for an exclusive unit	
	Fencing/Compound wall	All around	
02	Covered Shed	10m x 15m	
03	Full fledged covered storage for electrical & sub delivery items	Racks with proper traceability	
04	EB Power availability -	70 HP with 35 HP power for the exclusive unit	
05	Overhead Crane/ Mobile Crane/ A -Frame	Min Mobile Crane with 12T capacity	
06	Lathe (80 mm Dia)	Min 1 No.	
07	Grinding Machine	AG5-2 nos, AG7-2nos, Bench type for tool grinding-1 no.	
08	(SMAW)Welding M/c 400 Amps Inverter	4 Nos	
09	Plasma Cutting Machine	1 No	
10	Shearing/Pug Cutting Machine	1 No	
11	Electrode baking & holding oven	1 NO EACH	
11.a	Flask Oven	2 No	
12	Radial Drilling Machine with capacity for diameter of 32mm	1 No	
13	Air Compressor of 5HP rating,gun for painting	1 set	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
14	Measuring Instruments (all calibrated)		
14.a	Tape 3m,5m,20m	each 2 Nos	
14.b	Vernier 0-300mm	1No.	
14.c	Micrometer 0-75mm	1No.	
14.d	Feeler Gauge	1 Set	
14.e	Weld fillet gauge 25 MM	1 no	
14.f	Surface finish comparator	1 Set	
14.g	Try square	1 no	
14.h	Sprit level	1 no	
15	LPI kit	1 Set	
16	MPI Unit (1000A)	1 No	
17	Level II LPI/MPI qualified Personnel	1 Person	
16	IT Pan Card	Original to be verified	
17	TIN No	Original to be verified	
18	Excise Registration Certificate	Original to be verified	
19	Office room with 2 PC, internet facility and printer	Must	
Part-B (Optional)			
1	Universal Milling M/c /Gear Hobbimg M/c	Inhouse /Outsourced	
2	Nitriding	Inhouse /Outsourced	
3	Hardness Testing facility	Inhouse /Outsourced	
4	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
5	ISO Certification		
Important Notes :			
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit		
02	Part-B is only optional and need not be considered for disqualifying the vendor.		

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**BHEL - TIRUCHY
OUTSOURCING DEPARTMENT**

15) EVALUATION SHEET FOR SEAL BOXES (CS, AS and SS)

Doc No: SVCL:025/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
1	Land Area	2 acres	
	Fencing/Compound wall	All around	
2	Press Brake machine	Pressing capacity for plate thickness of 12 mm	
3	Covered shed	10M x 5M	
4	Shearing machine 2.5 m width	Thickness Max 12 mm	
5	Welding machine (SMAW) 400 Amps	4 Nos	
6	Electrode Baking Oven & Flask	1 No Each	
7	Manual Rolling Machine 3 Rollers (Dia 300 mm)/ - Screw type	1 No	
8	Material handling capacity(MIN)(Mobile crane/EOT & A frame with stability certificate)	10 MT	
9	Wire Wheel - for power tool cleaning	1 No	
10	Gas cutting equipment -	1 No	
11	Air Compressor of 5HP rating, gun for painting	1 set	
12	Portable Grinding machine - AG 7	2 Nos	
13	Bench Drilling machine	1 No	
14	LPI kit	1 Set	
15	MPI Unit	1 No	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
16	Level II LPI/MPI qualified Personnel	1 Person	
17	Measuring Instruments (all calibrated)		
17.a	Tape 3m,5m,20m	each 2 Nos	
17.b	Vernier 0-200mm	1No.	
17.c	Weld fillet gauge 25 MM	1 no	
17.d	Straight Edge	1 No	
17.e	Try square	1 no	
17.f	Sprit level	1 no	
18	Electricity	100 HP (3 Phase)	
19	Plasma Cutting for SS material	1 No	
20	Office room with 2 PC , internet facility and printer	Must	
Part-B (Optional)			
1	Standby Generator		
	Capacity (HP)		
	Owned or On rent		
2	ISO Certification		
3	Spectro Testing (AS/SS)	Access to testing labs, other NABL approved labs	
Part-C (Final Recommendation)			
	NTPC/Non-NTPC		
	Material		
	Valid Upto		
Important Notes :			
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit		
02	Part-B is only optional and need not be considered for disqualifying the vendor.		

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**BHEL - TIRUCHY
OUTSOURCING DEPARTMENT**

16) EVALUATION SHEET FOR VENTURI & AEROFOIL DUCT

Doc No: SVCL:027/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
1	Land area . (If lease land 3 yrs with registered deed)	2 Acres	
	Fencing/Compound wall	All around	
2	Covered shed	10m X 20m	
3	EB Power	100 Hp /630 kva (3 phase)	
4	Three roller bending machine	1 Nos	
5	(SMAW)Welding M/c 400 Amps Inverter	3 Nos	
6	Drilling machine (Min 16 mm	1 Nos	
7	Portable Drilling Min 16 mm dia	1 Nos	
8	LPI kits	1 No.	
9	Gas Cutting/ Shearing machine	1 No.	
10	Grinding M/c		
11	Bench Grinding	1 Nos	
12	Manual / Portable AG 5&7	2 Nos Each	
13	Material Handling		
13.a	Handling Facility (EOT/A frame with stability cert/ Gantry /Mobile)	10 MT	
13.b	Crane capacity for Assembly	Boom length upto 15 m height	
13.c	Leased Mobile crane	Lease agreement	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
14	Measuring Instruments (all calibrated)		
14.a	Tape 3m,5m,20m	each 2 Nos	
14.b	Vernier 0-300mm	1No.	
14.c	Feeler Gauge	1No.	
14.d	Weld fillet gauge	1 No.	
14.e	Try square	1 No.	
14.f	Sprit level	1 No.	
15	Water level checking arrangement	1 No.	
16	Painting Facility (5 HP compressor with Gun)	1 No.	
17	IT Pan Card	Original to be verified	
18	TIN No	Original to be verified	
19	Excise Registration Certificate	Original to be verified	
20	Office room with 2 PC , internet facility and printer	To be verified	

Part-B (Optional)

1	Blasting Facility	1 No.	
2	Standby Generator		
2.a	Capacity (HP)		
2.b	Owned or On rent		
3	Stenciling		
4	Punching Machine		

Important Notes :

01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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OUTSOURCING DEPARTMENT

17) EVALUATION SHEET FOR WIND BOX AND SOFA

Doc No: SVCL:015/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

Sl No	Paramter for evaluation	Minimum Required	As given by Firm
1	Covered shed to handle the job	14m X 20m	
2	Fencing/Compound wall	All around	
3	EB Power	100 Hp (3 phase)	
4	Land area . (If lease land 3 yrs with registered deed)	2 Acre	
5	Full fledged covered storage for sub delivery items (Within Shed)	Racks with proper traceability	
6	Sub Critical : Bug cutting m/c OTSC: CNC Cutting	1 nos	
7	(SMAW)Welding M/c 400 Amps Inverter	4 Nos	
8	Lathe (Max 100 mm Dia) OTSC : CNC Lathe	1 No	
9	Handling Facility for Assembly .(EOT/A frame/ Gantry /Mobile)	Combined 40 MT	
10	CNC plasma for SS plate cutting	1 no	
11	Core Drilling M/c for Sub critical.Drilling (32 mm Dia) m/c magnet base / pillar type	1 No	
12	Base Frame/Platform Min : 12x4 m	2 No	
13	Electrode Baking Oven + Flask	2 Nos + 4 Nos	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
14	Grinding machine AG-5, AG-7	2 Nos each	
15	Painting Facility (5 HP compressor with Gun)	1 No.	
16	MPI machine -prod type with calibration	1No	
17	LPI Kit	1 No	
18	Level II LPI/MPI qualified Personnel	1 Person	
19	Measuring Instruments (all calibrated)		
19.a	Tape 3m,5m,20m	each 2 Nos	
19.b	Vernier 0-150mm	1No.	
19.c	Micrometer 0-25mm	1No.	
19.d	Feeler Gauge	1 set	
20	Weld fillet gauge 25 MM	1 no	
20.a	Surface finish Comparator for OTSC	1 No	
20.b	Pistol Caliper	1 No	
20.c	Try square	1 no	
20.d	Sprit level	1 no	
20.e	Bevel Protractor	1 No	
20.f	Water level checking arrangement	1 No.	
21	IT Pan Card	Original to be verified	
22	TIN No	Original to be verified	
23	Excise Registration Certificate	Original to be verified	
24	Office room with 2 PC, internet facility and printer	Must	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
Part-B (Optional)			
1	Press Brake machine with forming dies	capacity for 10mm plate	
2	Shearing Machine	upto 12 mm	
3	Rolling Machine (3 Rollers)	capacity for 12mm plate	
4	Base Frame/Platform Min : 12x4 m (ISMB 600x220)	2 No	
5	Fixture , templates , shop made gauges	As per product Requirements	
6	Standby Generator		
6.a	Capacity (HP)		
6.b	Owned or On rent		
7	ISO Certification		

Important Notes :

01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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OUTSOURCING DEPARTMENT

18) EVALUATION SHEET FOR PUNCHING, PRESSING & SHEARING

Doc No: SVCL:005/00

Vendor Name :

Vendor Code :

Vendor Address :

Part-A (Mandatory)

SI No	Paramter for evaluation	Minimum Required	As given by Firm
1	Open area	1 Acres	
2	Fencing/Compound wall	All around	
3	Covered shed	12m X 14m	
4	EB Power	100 Hp /630 kva (3 phase)	
5	Shearing Machine	4mm Thick and 3m width	
6	Press Brake (C type) /Hydaraulic press with appropriate tooling to handle different varities as per drawing	6mm Thick and 3m width (Min 1 no 50-100 MT)	
7	Punching Press (50 MT and above)	1 No	
8	(SMAW)Welding M/c 400 Amps Inverter	2 Nos	
9	Measuring Instruments (all calibrated)		
9.a	Tape 3m,5m,20m	each 2 Nos	
9.b	Try square	1 no	
9.c	Sprit level	1 no	
9.d	Vernier 0-200mm	1No.	
9.e	Straight Edge	1 No	
10	Grinding M/c		
10.a	Manual / Portable	1 No	

SI No	Paramter for evaluation	Minimum Required	As given by Firm
11	Electrode Oven (Calibrated)	1 no	
12	Material handling capacity(MIN)(Mobile crane/EOT & A frame with stability certificate)	10 MT	
13	IT Pan Card		
14	TIN No		
15	Excise Registration Certificate		
16	Office room with 2 PC , internet facility and printer	Must	
Part-B (Optional)			
1	Horizontal bending using formers for Round corners	Min 1 No.	
2	Spectro Testing (AS/SS)	Access to testing labs, other NABL approved labs	
3	Plasma Cutting Machine	1 no	
4	Knowledge on designing forming tools/dies		

<u>Important Notes :</u>	
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B is only optional and need not be considered for disqualifying the vendor.

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Check List for Spot Visit - Coils, loose tubes

Doc No: SVCL:010/00

Date : 20.08.2012

Vendor Name and Address:

Part-A (Mandatory)

Sl No	Paramter for evaluation	As given by Firm	As observed in Audit	Remarks	Ok/Not Ok
01	Land - 1 Acre (43559 sq ft)				
02	Covered Shed Area (8000 sq ft)				
03	Firm Approval (IBR/TPI)				
04	Bending M/C (Min: one)				
05	Welding M/C -For attachments-SMAW, rectifier type, Butt Joints -TIG, SMAW				
06	Preheating/post heating -Fuel & burner facilities - Min one for each welding centre				
07	Welders (IBR Qualified) - For all welders employed in pressure parts welding.				
08	Stands-Fixture and layout marking facilities required (Min: one each)				
09	Grinding M/Cs (Min: one)				
10	Electrode/Flux Heating ovens with calibration (Min: One)				
11	Hot Flask for electrodes (Min: One)				
12	Furnace - Calibrated and IBR approved (Inhouse/Outsourced) - 4m X 4 X Length capable of handling 16 to 24m. Temperature range : 680-780 °C (Min :one)				

13	Tube Chamfering M/C (Min: one)				
14	NDE Facility for PT,MT,UT & RT with IBR approval (inhouse/outourced)-PT & MT inhouse must. UT & RT can be				
15	Spectro Testing M/C (in-house/outourced)- Portable type (Min:one)				
16	Qualified NDE personnel-Level-II for PT, MT, UT & RT required				
18	Fixtures for coil Assy- Permanent/Flexible to suit all sizes. (Min: one one)				
19	Surface plates for layout checking (Min:one)				
20	Ball & Sponge Test Facility with compressor (Min: One)				
21	SMAW,TIG welding (Min One each)				
22	Local SR Facility (Min: One)				
23	Final SR facility (Min: One)				
24	Tube Bending Machine (ID Bending Machine) (Min:one)				
25	Tube beveling Machine (Min:one)				
26	Tube Cutting Machine (Min:one)				
26	Insert Scarfing Machine (Min:one)				
27	Stud Welding machine (Min:one)				
28	D-Meter (Depth checking) (Min:one)				
Part-B (Capacity Assessment - Mandatory)					
01	EOT Crane-Crane 20 Tons(MM-STAHl)				
02	Oven				
03	Tube Bending machine-dia 26.9 to 63.5mm,Thickness 3.25 to 6.25				
04	Vernier Calipers -300mm preferable				
05	Hydro Testing Pumps -400 - 600				
06	In house Heat Treatment				
	Annealing				
	Stress Relieving				

00	Normalising				
	Quenching - Oil/Water				
	Tempering				
07	Bending Machine - Upto φ76.1x7.1mm				
08	Crane - 10 T				
09	Surface plates for Layout (size information)				
10	Certification (LLOYDS, TUV etc.)				

Part-C (Optional)

01	Painting facility				
02	Engraving/Dot punching facility CNC type				
03	Stenciling Machine				
04	Office				

Part-D (Final Recommendation)

Recommended for			
Maximum Size (Length)			
Specification			
Valid Upto			

Auditor-1:

Auditor-2:

Important Notes :	
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B requirement is also a must for assessing and approving the capacity only. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
03	Part-C is only optional and need not be considered for disqualifying the vendor.

Check List for Spot Visit - Panels					
Doc No: SVCL:011/00				Date : 20.08.2012	
Vendor Name and Address:					
Part-A (Mandatory)					
SI No	Paramter for evaluation	As given by Firm	As observed in Audit	Remarks	Ok/Not Ok
01	Land -1 Acre (43559 sq ft)				
02	Covered Shed Area -8000 sq ft				
03	Firm Approval (IBR/TPI)				
04	Bending -Capacity upto tube dia 76.1x7.1mm Gang bending m/c for bend panels. Min 1 no each.				
05	Membrane Panel welding M/C - min 1 no.				
	SMAW rectifier type for attachments and RR panels - Min 1 No.				
	Tube butt joints-TIG and SMAW - Min 1 No. each				
06	Preheating/Post Heating -Fuel and burner facilities required. Min 1 no each.				
07	Heating torches for bow correction. - Min 1 No.				
08	Welders - IBR qualified. Min One for each process and material combination				
09	Stands -Supporting stands - Min 1 set				
10	Grinding M/Cs - Pedestal or portable Min 1 No.				
11	Electrode/flux heating ovens with calibration - Min 1 No.				
12	Hot Flask for electrodes - Min 1 No.				
13	Hydro Testing Pumps - Min 1 Pair.				

14	Furnace calibrated with IBR approval (inhouse/ outsourced - 4mx4m, length capable handling 16 to 24m. temperatue range 680-780 deg C - Min 1 no, in case of In-house facility				
15	NDE facility for PT,MT,UT and RT with IBR approval (inhouse/outsourced - PT, MT must be inhouse and UT & RT can be outsourced. Min 1 no in each category for in-house facility				
16	Qualified NDE Personnel -Level-II for MT,PT,UT and RT - Min 1 Person for each category				
17	Spectro Testing M/c (inhouse/ outsourced) -Portable type required (Min 1 No				
18	Temperature Control - Pyrometer - Min 1 No.				
19	Fin decoiler - Min 1 No.				
20	Fin calibraton facility - Min 1 No.				
21	Blast Cleaning - Min 1 No.				
22	Tajima tape (30 M) - Min 1 No.				
23	EP Machine (Portable / Fixed) - Min 1 No.				

Part-B (Capacity Assessment - Mandatory)

01	Bending M/c Capacity				
02	Welding M/C				
03	Hydro Testing Pumps -400 - 600 Kg/cm ²				
04	Crane - 10 T min				
05	In house Heat Treatment facilities				
	Annealing				
	Stress Relieving				
	Normalising				

	Quenching - Oil/Water				
	Tempering				
06	Max. size & Wt. Which can be heat treated				
07	Cooling & Quenching bath capacity				
08	Rework Procedure				
09	Certification (Llyods' , TUV etc.)				
10	Local stress Relieving				
11	Flux Oven (capacity)				
12	Sponge Test Facility				
13	Air Compressor				
14	Ball test facility				
15	Tube Bending Machine				
16	Tube beveling Machine				
17	Tube Cuting Machine				
Part-C (Optional)					
01	Painting facility				
02	Engraving/dot punching CNC type.				
03	Stenciling Machine				
04	Office				

Part-D (Final Recommendation)

Pannel size (length, width)			
Specification			
Valid Upto			

Auditor-1:

Auditor-2:

<u>Important Notes :</u>	
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
02	Part-B requirement is also a must for assessing and approving the capacity only. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit
03	Part-C is only optional and need not be considered for disqualifying the vendor.

Check List for Spot Visit - Machining					
Doc No: SVCL:013/00				Date : 20.08.2012	
Vendor Name and Address:					
Part-A (Mandatory)					
Sl No	Paramter for evaluation	As given by Firm	As observed in Audit	Remarks	Ok/Not Ok
01	Land Area Approachable for lorry (Own/Lease/Rent) - 900 Sq. ft must				
02	Cover Shed with asbestos roofing - 600 sq. ft must				
03	Ceilings				
04	Constitution (Private/Partnership/ Public)				
05	Qualification of Proprietor / Partner/ Supervisor - (Degree/Diplama/ITI)				
06	Company Representative to collect material, documents and co-ordination				
07	Fencing/Compound wall - All around				
08	Electricity				
09	Stands-Fixture and layout marking facilities required (Min: one each)				
10	Approval (IBR/TPI)				
11	Measuring Instruments and gauges with calibration Records 1. Measuring tape 10m, 2. Vernier Caliper 150mm, 3. Straight edge, 3. Steel Rule, 4. Thread Gauge, 5. Water Level Arrangement, 6.Comparator Gauges for single digit finshes / any finish in drawing below 12 microns (Min one no in each)				
12	SSI registration No				
13	Telephone - Landline - Min 1 No.				
14	PC with Internet - Min 2 Nos.				
15	E-mail ID				
16	Income Tax PAN No				
17	Shot Blasting - Min 1 No				

Part-B (Capacity Assessment - Mandatory)					
01	Power Capacity in HP				
02	Standby Generator (capacity)				
03	Machinery for Machining with capacity				
	Grinding M/Cs (Min: one)				
	Stands-Fixture and layout marking facilities				
	Tube Chamfering M/C (Min: one)				
	Vertical Boring Machine/Horizontal Boring Machine / Universal Boring machine (any one or all) min 1 no.				
	Drilling Machine Min 1 No.				
	EP Machine (Portable / Fixed) Min 1 no.				
	Pipe Chamfering M/C min 1 no.				
04	Machining Centre Capacity				
	Grinding M/Cs				
	Stands-Fixture and layout marking facilities				
	Tube Chamfering M/C				
	Vertical Boring Machine/Horizontal Boring Machine / Universal Boring machine (any one or all) .				
	Drilling Machine				
	EP Machine (Portable / Fixed)				
	Pipe Chamfering M/C				
05	Material Handling (Crane capacity)				
06	CNC Punching machine				
07	Engraving machine				
08	Surface Table				

Part-C (Optional)				
01	Painting			
02	Surfacing			

Part-D (Final Recommendation)

Recommended for	
Maximum Finish of Machining (in microns)	
Products	
Maximum Job size	
Specifications	
Valid Upto	

Auditor-1:

Auditor-2:

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