

## EXPRESSION OF INTEREST

Chittaranjan Locomotive Works/Chittaranjan is manufacturing Electric Locomotives of type WAG-7 and WAG-9 for freight, traffic and WAP-4, WAP-7 and WAP-5 for passenger traffic and is in need of capable and competent vendors having wide experience in fabrication of stainless steel, MS steel panels, wiring and assembly of different control panels consisting of different electrical switchgears and equipments procured from approved sources for manufacture of control panels like AC-2, BA Panels, HB-1 & HB-2, SB-1 and SB-2 for Electric locomotives being manufactured at CLW. Firm may take fabricated panels from CLW approved sources. The approximate procurement will be Rs 22 to 25 Crore.

Interested firms may see these panels in CLW and collect documents for **Expression Of Interest** from the Office of Dy.CEE/Design/CLW/Chittaranjan (Details given below) after submission of a Bank Draft of Rs. 5000/- (Rupees Five thousand) only in favour of FA & CAO/CLW/Chittaranjan by 11:00 hours of 16.04.2009. The documents can also be downloaded from CLW Website [clwindia.gov.in](http://clwindia.gov.in) and submit the filled up application along with Bank draft of Rs. 5000/- only. Firms must submit the details as per the documents Expression Of Interest like Machinery and Plants, Quality Assurance Plan, their Performance Statement & Balance Sheet by 12:00 hours of 17.04.2009.

ADDRESS: Dy.Chief Electrical Engineer/Design,  
Works Office, Chittaranjan Locomotive Works,  
Chittaranjan – 713 331 (West Bengal).  
Phone : 0341-2525546      FAX: 0341-2525644

**INDIAN RAILWAYS**

**CHITTARANJAN LOCOMOTIVE WORKS**

**CHITTARANJAN (WEST BENGAL) INDIA**

**(AN ISO 9001 UNIT)**

TELEX: 21-4417 CLW-IN

FAX: 0341-2525644

Visit us at: [www.clwindia.gov.in](http://www.clwindia.gov.in) CABLE TELEGRAM: ENGINEHALA

Fax No. 0342-2525644 TELEPHONE: 0341-2525546

**Application for Expression of Interest**

**Case No:** ELDD/3502/New Source (09-10) dated 07.03.09.

**Sub:** Expression of Interest for manufacture and supply of different types of panels to Chittaranjan Locomotive Works against advertised tender.

**Due On** .....

**CLOSING TIME OF APPLICATION: 11:00 HRS.**

**OPENING TIME OF APPLICATION: 12:00 HRS.**

**NOTE: NO APPLICATION SHALL BE ACCEPTED AFTER 12:00 HRS.**

**CHITTARANJAN - 713 331 (W.B.)**

**DISTRICT: BURDWAN**

**WEST BENGAL**

**INDIA**

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**CHITTARANJAN LOCOMOTIVE WORKS**  
**OFFICE OF THE CONTROLLER OF STORES**  
**CHITTARANJAN – 713 331 (W.B.)**

*Advertisement Case No.*.....  
Due at 12 Hrs. on .....  
Subject .....  
Messers .....  
.....  
.....

Please find herewith enclosed a set of application document to enable you to participate in our advertisement of Expression of Interest referred above. You are requested to kindly go through the instructions to the applicants, various conditions indicated herein and also the current instruction issued for the subject item time to time. Please arrange to submit your application **in duplicate** in prescribed format with relevant documents in time complete in all respects and other documents called for herein, failing which your application is liable to be ignored.

Chief Electrical Engineer.

## **1. Brief Introduction:**

CLW is the only manufacturer of Electric Locomotives in India. The production of Chittaranjan Locomotive Works has been increased in recent years and many of the Electrical Panels, which are being manufactured in the Shop at present, are proposed to be procured from trade. The list of the items is attached in Annexure-E. Expression Of Interest is being called for to identify the sources who are capable of manufacturing such Electrical panel items.

## **2. Special Note:**

- i) The application for “Expression Of Interest” received after the date of opening will be summarily rejected.
- ii) Railway reserves the right of selection of the application as per extant procedures. Approval of source after assessment does not confer any right to the firm for placement of order. The order will be placed based on the ‘Open Tender’ advertised by Controller of Stores/CLW/Chittaranjan and the orders will be placed as per the extant rules of Ministry Of Railways.
- iii) Firms are advised to submit the application duly complying with all the items indicated in the checklist at Annexure-C, failing which the application is liable to be rejected.
- iv) Criteria for selection :
  - a) As per Annexure-D.
  - b) Firm having wide experience in similar type of works i.e. fabrication, wiring and assemble of control panels involving cable connection and terminations, wiring of heavy duty contacts, relays etc. for on board traction application only can apply.
  - c) Firm must to submit a Bank draft of Rs. 5000/- only in favour of FA & CAO/CLw/Chittaranjan along with the application.

**3. Procedure:** The firms who are interested to manufacture and supply the items are required to apply in the given format as per Annexure-B and submit the proforma attached in Annexure-E in duplicate.

APPLICATION FORM

**Chief Electrical Engineer,**  
Chittaranjan Locomotive Works,  
Chittaranjan, Burdwan.

**Sub:** Expression of Interest for fabricated items.

The undersigned is interested for development and supply of the following items:

- i) .....
- ii) .....
- iii) .....
- iv) .....
- v) .....
- vi) .....

The application for Expression of Interest is hereby submitted for your kind consideration.

.....

.....

.....

(Authorized Signatory including Firms' Name and Address in full)

## CLW/Chittaranjan

Annexure-C.

### CHECK LIST FOR “Expression Of Interest”

SN	Description	Yes/No	Attached at Sl.no.
1.	QAP of the firm in duplicate		
2.	Form-A in duplicate		
3.	Undertaking from the vendor declaring that vendor will not indulge in cartel formation (Part-IV of form-A) during the overall period of registration.		
4.	Documentary evidence of vendor's registration with RDSO,CLW or any other Pus if already registered for supply of any item.		
5.	ISO: 9000 certification		
6.	Organization chart clearly bringing out the quality control set up.		
7.	Qualification log sheet of the personnel manning the quality control set up.		
8.	Process flow chart indicating the process of manufacture of item or a family of items for which the process is same.		
9.	Details of machinery and plant.		
10.	Details of sub-vendors. :-		
	(i) The name of the item for which sub-vendor is approved		
	(ii) The name of the approving agency.		
	(iii) Inspection criteria of sub-vendor.		
	(iv) The sub-vendor has ISO:9000 certification.		
	(v) Primary vendor approves QAP of sub- vendor.		
	(vi) The sub vendor has submitted the quality manual to the primary vendor.		
	(vii) The sub vendor has all the requisite infrastructure of Mfg.and testing facilities, preferable under one roof.		
	(viii) Periodical inspection schedule for sub vendor is being followed strictly by primary vendor.		
11.	Quality Assurance System –Inspection and testing plan . this shall cover the following :-		
	(i) Incoming material		
	(ii) Process Control		
	(iii) Product control		
	(iv) System control		
	(v) Gauge scheme- in the format for each operation gauges should be mentioned, if used		
12.	All columns are duly filled up in Proforma-‘A’		
13.	All the annexure referred in Proforma-‘A’ have been enclosed		

Expression Of Interest dated 27.03.09

**Criteria for Selection (Commercial)**

<b>Bankers solvent certificate</b>	<b>Cumulative turn over in last 3 years</b>	<b>Single work of similar nature completed in last 3 years</b>
30 lac	5 crore	1.05 crore

Firms submitting the application shall be able to provide details fulfilling the above criteria in the application itself.

SCHEDULE OF TECHNICAL REQUIREMENTS FOR MANUFACTURE, SUPPLY OF COMPLETE PANELS LIKE AC-II, BA, HB 1&2, SB 1&2 OF ELECTRIC LOCOMOTIVES.

**1. SCOPE**

The electrical panel items are the vital parts of Electric Locomotive on Indian Railways. These items are procured by CLW from approved manufacturers as per relevant drawings. The Schedule of Technical Requirement (STR) mentioned hereunder is issued to serve as a guide to manufacturer (Firm) and should be read in conjunction with the relevant drawings. The firm should satisfy themselves having complied with the requirement of the drawing & STR.

The technical requirements are meant to serve as guidelines only and are not exhaustive.

**2. ITEMS UNDER ELECTRICAL PANELS:**

- i) Complete Ba 1,2 &3 panels,
- ii) Complete AC –II panel,
- iii) Complete HB 1&2 panels,
- iv) Complete SB 1&2 panels

**3. GENERAL REQUIREMENTS**

- A. The firm should have currently valid ISO-9000 Certification issued by NABCB accredited organization. The firm should have a Quality Manual indicating the extent of control over production.
- B. A system of regular submission of rejection details of material giving rejection rate, cause of rejection, corrective action taken etc. on quarterly basis should be followed by the firm.
- C. The firm shall have a system of documentation in respect of rejection at customer end, warranty replacement and failure of item supplied by them during service.
- D. The firm shall have a system of recording the plant, machinery and control Equipments remaining out of service nature of repairs done etc.
- E. The testing and measuring equipment shall be duly calibrated and the validity of calibration certificate issued by the calibration agency from whom it was calibrated.
- F. The firm shall have a system of easy traceability of the product from manufacturing stage to finished product stage. Stamped identification marking with serial number of beam should be used for this purpose.
- G. The firm should have sufficient floor area for input raw material storing, in process manufacturing, and finished product storing.

**4. QUALITY REQUIREMENTS**

- A. Quality Assurance Process of Incoming Materials used for the subject items. Test results of incoming raw material with reference to test Certificate issued by the supplier and the results of internal tests carried out by the firm for verification may be submitted as part of QAP and Sources of supplies as approved by the firm to be specified.

- B. Quality Assurance System -Stage-wise Inspection procedure, inspection parameters and method of testing to be specified. Records of test results of the same should be available and furnished.
- C. NSIC/SSIC registration.
- D. Welding Process – Welding-quality & finish are to be ensured at each stage.
- E. Proper Jig & Fixture should be available.
- F. Details of Quality Control Organization along with key personnel engaged in the QC function.

**5. MACHINERY & PLANTS (M&P) FOR MANUFACTURING:**

The following is the list of minimum required machinery & plant to be available with the firm:

- A. For manufacturing of bare panel: This activity can be outsourced and fabricated panels can be taken from CLW approved sources.

SN	Description	Capacity	Remarks
1.	Power Shearing Machine	Thickness up to 6mm Bed length = 2m min	For shearing of plates
2.	Plate Bending Machine (PRESS BRAKE)	Bed length = 3m min Capacity = 80 T	For plate bending
3.	Rolling Machine	Thickness = 6mm max. Bed width = 2m	For straightening of plates.
4.	Angle Grinder	Up to 7"	
5.	Lathe Machine & Milling M/c	Standard (Medium)	
6.	Drilling Machine	Dia up to 50mm.	
7.	Oxy-cutting / Plasma cutting / Laser cutting machine (profile)		For profile cutting of sheets and plates.
8.	Welding Arrangement (MIG)	300 amps. Max.	
9.	Measuring Instruments & Gauges	Vernier Calipers, Scales, Micrometers, Try square etc.	
10.	Crane (EOT/Portable/Hydraulic/chain pully)	1T	For material handling
11.	Space area for fabrication	250 sq. m (min) covered And 100 Sq m open.	Covered space with concrete flooring
12.	Spray painting arrangement		For painting of different items

**B. For panel assembly: Following facilities must be available with firm :**

SN	Description	Capacity	Remarks
1	Cu Bending machine (cold)		For bending of copper bus bars
2	crimping tools	Various sizes	for crimping of cable lugs
3	Hot air blower		for heat shrinkable sleeves
4	Megger	500V, 1000V, 2.5 Kv	for IR test
5	Continuity test meters		
6	Variac	up to 5 Kv	
7	Torque wrench		
8	Compressor with air reservoir	upto 50 ltrs and 11 Kg/sq cm	with pressure gauge and regulator
9	DC supply arrangement	ranging from 77V to 135V	

10	Three phase supply	415 Volt	
11	Lathe Machine & Milling M/c	Standard (Medium)	
12	Drilling Machine	Dia up to 50mm.	
13	Space area for assembly and testing	250 sq. m (min) covered And 100 Sq m open.	Covered space with concrete flooring
14	Welding Arrangement (MIG)	300 amps. Max.	
15	Measuring Instruments & Gauges	Vernier Calipers, Scales, Micrometers, Try square etc.	
16	Crane (EOT/Portable/Hydraulic/chain pully)	1T	For material handling

#### **6. LIST OF TESTING & MEASURING FACILITIES:**

- i. Calibration of the testing / measuring equipments should be done at least once in a year unless stated otherwise.
- ii. Inspection staff conducting non-destructive testing shall be adequately trained and qualified by recognized agency and shall have adequate experience.
- iii. Staff conducting tests likes chemical analysis and mechanical properties shall have adequate skill & competence and shall have under gone sufficient training. Skill of such staff shall periodically be qualified by making them carry out tests on blind samples.
- iv. Coordinate measuring machines likes Vernier calipers, Micrometer, inside & outside caliper and all other gauges required during machining operation and dimensional checks.

#### **7. METALLURGICAL ,CHEMICAL AND PHYSICAL LABORATORY :**

- i. Dye Penetrate Test (DPT) facilities for checking the welding quality.
- ii. Spirit level etc for checking of surface level.
- iii. Universal testing machine for conducting tensile tests (desirable).



PROFORMA - "A"

Format: CLW/MLAS/EL/F/01

**Vendor Registration Application Form 'A'**

(To be filled in by the firm seeking approval)

CAPACITY-REPORT FOR OBTAINING APPROVAL

- Note:
1. Information furnished in this form will be treated as confidential.
  2. If space provided is insufficient, separate sheets may be used.
  3. The information to be furnished should be the latest and correct to the best of knowledge of the firm.

Name and address of the firm:

.....  
.....  
.....  
.....  
.....  
.....



PROFORMA - "A"

Format: CLW/MLAS/EL/F/01

9. For clarifications persons to be contacted. :
- Name :
- Designation :
- Phone No. :
- Address (Office) :
- (Residence) :
10. Total area of the factory :
- Covered :
- Uncovered :
11. Total No. of employees on date
- a) (Administrative) :
- i) Total No. :
- ii) Out of above persons  
Exclusively Employed for  
Quality control/Inspection :
- Skilled labour :
- Unskilled labour :
- b) Are minimum requirements of  
Experience & qualification  
laid down for production  
Manager & Supervisory staff?  
If yes, give details.
- c) Are minimum requirements of  
Experience & qualification  
laid down for quality control  
Manager & Inspection staff?  
If yes, give details.
12. Type of Industry : Small Scale/Medium Scale/Large Scale.

PROFORMA - "A"

Format: CLW/MLAS/EL/F/01

- a) In case of Small scale Industry,  
Registration No. and Date with  
The Director of Industries. :
- b) In case of Medium scale Industry/  
Large scale Industry, Factory No.  
Allotted by the Director General  
Of Technical Development :
13. Registration No., if any with  
GDS & D or any Railway :
14. Year of commencement of  
manufacture :
15. Annual turn over during last 5 years  
(The financial year adopted by the  
Firm should be indicated and estimated  
Value also given for current year)
16. Electric Power :
- Sanctioned :
- Installed :
17. Whether adequate facilities are  
available for :
- a) Water supply :
- b) Fire fighting :
- c) Security :
18. Have you any local branch office?  
If yes, please give details with  
Address and Telephone No. etc. :

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Format: CLW/MLAS/EL/F/01

Tender No.....

PART-II TECHNICAL

1. Manufacturing capacity as approved by the Govt. :

Industrial Licence No. & date:

Products :

Qty. Licensed :

2. Brief details of products manufactured :

SN	Type	Description	Annual Production for last three years.

3. a) Capacity of production for each item if entire capacity is utilized on that item. :

b) Net available capacity for the 3 items under reference keeping in view the existing load on hand as declared by the firm. :

4. If your product has been tested by any agency. If yes, give details (copies of quality approval/test certificates/test reports may be enclosed). :

5. Whether the firm has full

PROFORMA - "A"

Format: CLW/MLAS/EL/F/01

facilities for manufacturing all components of item under reference. If not

a) Details of components :

b) Name & Address of the sub-contractor/Suppliers. :

d) Whether the sub-contractor/Supplier is registered with DGS & D/Railways. :

6. Foreign collaboration, if any :

Product	Name & Address of the collaborator	Year of collaboration	Whether current or not

7. Are imported raw material used, if yes, foreign details:

Brief description of product	Estimated CIF Value	% of Foreign exchange content in finished

8. Details of plants & machinery

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Format: CLW/MLAS/EL/F/01

(Description, rating, make & Qty.) :

9. Details of laboratory and drawing  
Office facilities :

10. Inspection facilities for inwards  
goods and quality control of  
raw materials. :

a) Available test equipments and  
facilities in the Factory,  
(Description, rating, make & quantity):

b) Assistance from external  
agencies (Description of the  
test, name of the agency  
carrying out the test). :

11. Whether manufacturing with ISI  
mark or to some other  
specification.

12. Inspection and quality control  
of finished products. :

a) Available test equipment &  
facilities in the factory.

b) Assistance from external  
agencies.

PROFORMA - "A"

Format: CLW/MLAS/EL/F/01

13. Principal customers:

Name & Address of the customer	Product supplied	Value supply (Rs)	Year of supply

14. Future Plans:

a) Expansion programme :

b) Installation of new machinery :

c) Additional test facilities :

d) Any other relevant information :

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Format: CLW/MLAS/EL/F/01

Tender No.....

PART-III

COMMERCIAL

1. name & Address of your bankers :
2. Financial status:
  - a) Net fixed assets :
  - b) Current assets :
  - c) Current liabilities (a copy of the last annual accounts should also be enclosed)
3.
  - a) Sources of Finance :
  - b) Borrowing limits as sanctioned by Bank, if any. :
4. Income tax verification certificates number & date :
5. Sales tax registration certificates number and date:
  - a) State Sales Tax :
  - b) Central Sales Tax :
6. Brief terms & conditions for supply:
7. Terms of payment :
8. Are your products covered by warrantee? If so, indicate:
  - a) Period :
  - b) Scope of warrantee :

PROFORMA - "A"

Format: CLW/MLAS/EL/F/01

9. Would you provide after sales service? If yes, give details. :

Enclosures: Please give below the List of enclosures and the number of copies. :

1.

2.

3.

We confirm that the information  
Furnished is correct to the best of  
Our knowledge.

**Seal**

**Signature :**

Name in capitals:

Designation :

Date :

PROFORMA - "A"

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Tender No.....

PART-IV DECLARATION AGAINST CARTEL FORMATION

We, M/s. ....hereby undertake that we will not indulge in any sort of cartel formation in future with respect to any of the orders to be placed by CLW. We further know that in case of any such cartel formation noticed, CLW can take panel action including delisting from the Master List of Approved Suppliers.

S/d/-

M/s. ....

PROFORMA - "A"

Format: CLW/MLAS/EL/F/01

Following aspects should be covering QAP.

QAP to be submitted by the vendor in duplicate along with the application form (i.e. Form 'A') shall cover the following aspects:

1. Organization Chart clearly bringing out the quality control set-up.
2. Qualification Log Sheets of the personnel manning the quality control set-up.
3. Process flow chart indicating the process of manufacture of an item or a family of items for which the process is same.
4. Details of sub-vendors:
  - The name of the item for which sub-vendor is approved.
  - The name of the approving agency.
  - Inspection criteria of the sub-vendor.
  - The sub-vendor has ISO-9000 certification.
  - QAP of the sub-vendor is approved by the Primary vendor.
  - Sub-vendor has submitted the Quality Manual to the Primary Vendor.
  - The sub-vendor has all the requisite infrastructure of manufacturing and testing facilities, preferably under one roof.
  - Periodical inspection schedule for sub-vendor is being followed strictly by the Primary vendor.
5. Quality Assurance System- Inspection and testing plan. This shall cover the following:
  - Incoming Material
  - Process control
  - Product control
  - System control
  - Gauging scheme in the format for each operation gauges should be mentioned, if used.

Firm's Name .....

PROFORMA - "A"

Format: CLW/MLAS/EL/F/01

**A. DETAILS OF CHIEF EXECUTIVE**

Name	
Designation	
Address	
Telephone No.	
Mobile No.	
E-Mail	

**B. FIRM'S DETAILS: 1. **Registered Office****

Address	
Name of contact person	
Telephone No. DOT/PBX	
Mobile No.	
E-mail	

**2. Works Office**

Address	
Name of contact person	
Telephone No. DOT/PBX	
Mobile No.	
E-mail	

**3. Local Office**

Address	
Name of contact person	
Telephone No. DOT/PBX	
Mobile No.	
E-mail	

PROFORMA - "A"

Format: CLW/MLAS/EL/F/01

CHECK LIST FOR VENDOR REGISTRATION

SN	Description	Yes/No	Attached at Sl.no.
1.	QAP of the firm in duplicate		
2.	Form-A in duplicate		
3.	Undertaking from the vendor declaring that vendor will not indulge in cartel formation (Part-IV of form-A) during the overall period of registration.		
4.	Documentary evidence of vendor's registration with RDSO, CLW or any other Pus if already registered for supply of any item.		
5.	Documentary evidence of purchase/collection of latest versions of relevant specification/drawings.		
6.	ISO: 9000 certification		
7.	Organization chart clearly bringing out the quality control set up.		
8.	Qualification log sheet of the personnel manning the quality control set up.		
9.	Process flow chart indicating the process of manufacture of item or a family of items for which the process is same.		
10.	Details of machinery and plant.		
11.	Details of sub-vendors :-		
	(i) The name of the item for which sub-vendor is approved		
	(ii) The name of the approving agency.		
	(iii) Inspection criteria of sub-vendor.		
	(iv) The sub-vendor has ISO: 9000 certification.		
	(v) QAP of sub- vendor is approved by primary vendor.		
	(vi) The sub vendor has submitted the quality manual to the primary vendor.		
	(vii) The sub vendor has all the requisite infrastructure of Mfg.and testing facilities, preferable under one roof.		
	(viii) Periodical inspection schedule for sub vendor is being followed strictly by primary vendor.		
12.	Quality Assurance System –Inspection and testing plan. This shall cover the following:-		
	(i) Incoming material		
	(ii) Process Control		
	(iii) Product control		
	(iv) System control		
	(v) Gauge scheme- in the format for each operation gauges should be mentioned, if used		

PROFORMA - "A"

Format: CLW/MLAS/EL/F/01

13.	All columns are duly filled up in Proforma-'A'		
14.	All the annexure referred in Proforma-'A' have been enclosed		
15.	All the required documents have been enclosed		
16.	All the required information has been furnished		
17.	No ambiguous document or information is enclosed		
18.	Any missing, incomplete, vague inadequate or contradictory information must be marked.		
19.	Basis of information supplied regarding infrastructure and manufacturing practices shall be screened.		

Note: You are requested to submit these documents in duplicate to this within 30 days from the date of receipt of this, other wise assessment of firm may be cancelled.