

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

**TENDER ENQUIRY**

**Tender Ref: 6300030184 Date: 13.11.2019**

**To,**

Dear Sir(s),

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Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

BEML Limited, a Mini ratna Company incorporated under the Indian Companies Act, 1956, is a Public Sector undertaking, under the Ministry of Defence, having it's Registered Office at "BEML Soudha" No.23/1, IV Main, Sampangirama Nagar, Bangalore – 560 027. One of the Production Units located in Bangalore is engaged in the production of Defence & Railway Equipments. We have a requirement of **"Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore."**

In this connection, we invite Tender from the eligible/ interested Bidders for the subject work through e-mode.

**Schedule of events:**

Sl. No	Details	Important Date & Time
1.	Last date & time for Submission of Technical Bid & Commercial bid through e-mode.	25.11.2019 up to 1330 Hrs
2.	Last date & time for Submission of Demand Draft (DD) for EMD Amount / NSIC CERTIFICATE for EMD WAIVER through manual mode.	25.11.2019 up to 1330 Hrs
3.	Pre qualification bid opening date & time	25.11.2019 at 1400 Hrs
4.	Technical Bid opening date & time	25.11.2019 at 1430 Hrs
5	Commercial bid opening date	Commercial bid will be opened later to technically accepted Bidders only.
6	Period of Contract	2 Months
7	Estimated Value of Works	Rs.3,00,000/- (Exclusive of taxes)
8	EMD Amount ( Refundable without any Interest for un successful Bidders )	Rs. 6,000/-

**INSTRUCTIONS for SUBMISSION of the TENDER:**

Technical and commercial bids should be submitted online in **BEML SRM e-Procurement platform**. Bidders should have a valid **Class III Digital Signature Certificate with encryption option** issued by Authorized Certifying Authority to submit your bid in BEML SRM e-Procurement system. Interested bidders can contact us through e-mail: [admin.srm@beml.co.in](mailto:admin.srm@beml.co.in) to obtain the username and password for submitting the bids. First time bidders may go through e-procurement manuals available at <http://www.bemlindia.in/eprocurement/demo.php> and follow the procedures for submission of bids.

This Tender is designated as the requirement of **"Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore"**

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The Tender is a **Three -BID System through E-Mode**. The Tender consists of:

- 1) Pre - qualification BID.**
- 2) TECHNICAL BID.**
- 3) COMMERCIAL BID.**

**1) INSTRUCTION for SUBMISSION of TECHNICAL BID:**

**The Technical Bid document should be uploaded in SRM portal as technical bid at 'RFX Information --> Notes and Attachments' -----> C folder attachments.**

- 1.1. The Technical Bid should be submitted in (E-mode) in SRM Portal only.
- 1.2. The following Technical Bid documents should be uploaded in SRM Portal
  - (i) Completely filled Signed Technical Bid
  - (ii) Signed copy of Entire Tender Documents as acceptance of terms & Conditions
  - (iii) All supporting documents as stated in Technical Bid

EMD DD or NSIC Certificate copy for waiver of EMD / Declaration in Bidder's Letter Head if PEMD Holder mentioning the PEMD amount through manual mode.

1.3. Pre-qualification bid will be opened first and the technical Bid of pre-qualification bid accepted vendors only will be opened subsequently. Commercial bid will be opened, only for the technically qualified Bidders/bidders after evaluation of the technical bid.

**2) INSTRUCTION for SUBMISSION of COMMERCIAL BID:**

**2.1) Duly filled Bill of Quantities should be uploaded in SRM portal at 'Notes and Attachments' in header level.**

2.2) Price Details: Please quote the **Lump Sum Rate (inclusive of GST)** in 'Price Conditions' in SRM system. The price details should not be given in Technical bid. If the firm has given any price details in the Technical bid, their offer is liable for rejection. Price details sent through Manual mode/Fax/E-mail mode will lead to rejection of the Bid

2.3) The Bidder is required to write rate in figures as well as in words. In case of any discrepancy between the two, those written in words shall take precedence.

2.4) In the event of an error occurring in the amount column of Bill of Quantities as a result of wrong extension of unit rate and quantity, the unit rate quoted by the Bidder shall be regarded as firm and the extension shall be amended on the basis of the rate.

2.5) Commercial bids of only technically qualified Bidders / Bidders will be opened after evaluation of the Technical Bids received.

2.6) The QUOTED RATE SHALL BE DEEMED TO INCLUDE FOR 1% WELFARE CESS. ANY CHANGE IN THE APPLICABLE TAXES AS PER GOVERNMENT REGULATIONS SHALL BE BORNE BY THE BIDDER.

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**3) INSTRUCTION for SUBMISSION of EMD (Earnest Money Deposit)/ NSIC CERTIFICATE for EMD WAIVER**

3.1) The firm should submit the EMD AMOUNT/ NSIC CERTIFICATE for EMD WAIVER through Manual mode in the form of Demand Draft (DD) in favour of BEML Limited, Bangalore. If the firm is a PEMD holder with BEML Ltd ,Bangalore Complex, Declaration in Bidder's Letter Head mentioning the PEMD amount has to be submitted in manual mode in the below mentioned address.

**EMD amount- Rs. 6,000.00 (Rupees Six Thousand only)**

3.2) No interest will be paid on EMD amount. Cheques will not be accepted.

3.3) The Demand Draft (DD) against "EMD amount" (or) "NSIC CERTIFICATE for EMD WAIVER" / Declaration in Bidder's Letter Head if PEMD Holder mentioning the PEMD amount should reach us to following address before Tender closing date (i.e. 25.11.2019 Before 1330 Hrs).

The Senior Manager (Tender section)  
BEML LIMITED.,  
Bangalore Complex  
New Thippasandra Post  
Bangalore – 560 075  
Karnataka, India

3.4) The sealed envelope containing above said Demand draft (DD) / NSIC CERTIFICATE for EMD WAIVER / Declaration in Bidder's Letter Head if PEMD Holder mentioning the PEMD amount shall be duly super scribed at the top of the envelope with the Bid Invitation No. 6300030184. with closing date: 25.11.2019 and Time 1330 Hrs and mention the subject as "DEMAND DRAFT/ NSIC CERTIFICATE for EMD WAIVER / Declaration in Bidder's Letter Head if PEMD Holder mentioning the PEMD amount TO TENDER REF: No. 6300030184. Closing date: 25.11.2019 – **"Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore."** to be written in bold letters. The name and address of the tenderer shall be written on the left hand bottom corner of the envelope.

3.5) **Bidders are requested not to send any Technical bid & commercial bid documents along with EMD demand Draft (DD) / NSIC CERTIFICATE.** If any commercial/Price detail is received along with the Demand draft (DD)/ NSIC CERTIFICATE, their offer is liable for rejection. Only covering letter with the name of the Bidder and details of the DD / NSIC CERTIFICATE may be enclosed.

3.6) The offers of the Bidder/Bidder who have not submitted EMD (Earnest Money Deposit) / NSIC CERTIFICATE for EMD WAIVER before the Tender closing date & time of the tender will be summarily rejected. The offers of the Bidders who have submitted EMD in the form other than Demand Draft/Bankers pay order will also be rejected.

3.7) EMD of successful bidder shall be converted into Security deposit. EMD of unsuccessful bidder will be returned within reasonable time. The EMD amount shall not carry any interest.

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3.8) If L-1 backs out for any reason, the EMD Amount will be forfeited by BEML Ltd. Please do note that, failure of the successful Bidder to perform the work satisfactorily in any respect after award of Contract will entail for forfeiture of SECURITY DEPOSIT and encashing of Performance Bank Guarantee.

3.9) EMD waiver is applicable for Micro and Small Enterprises (MSEs) registered with NSIC as per "Public Procurement Policy-2012" vide Gazette Notification dated 26.03.2012 based on submission of necessary supporting documents like NSIC Registration Certificate etc. Non submission of NSIC Registration for EMD (if applicable) will result in rejection of the Technical Bids

**4) GENERAL INSTRUCTION for TENDER:**

4.1) The Bidder is advised to carefully go through the terms & conditions of tender before submitting the Quotation.

4.2) This tender form is not transferable under any circumstance.

4.3) BEML is not obligated to contract for any of the works / services described in the Tender.

4.4) The Tender Enquiry is not an offer or a contract.

4.5) Proposals once offered to BEML Ltd shall become BEML's property.

4.6) Bidders will not be compensated or reimbursed for costs incurred in preparing Proposals.

4.7) BEML reserves the rights to:

- I. Accept or reject any or all proposals without assigning any reason
- II. Waive any anomalies in proposals through an addendum
- III. Modify or cancel the Tender Enquiry

4.8) BEML decision is final on evaluation of the offer and binding on the bidders. Conditional and Incomplete offers will be rejected.

4.9) Corrigendum, if any will be posted on BEML website ([www.bemlindia.in](http://www.bemlindia.in)) only.

4.10) Unsolicited letters/canvassing/post tender corrections canvassing by Bidders in any form including unsolicited letters on tenders submitted or post tender corrections shall render their tenders liable for rejection.

4.11) Validity of the offer: Validity period of the offer is 120 days (One hundred and Twenty days) from the date of opening of the Commercial Bid of the Tender.

4.12) GST-Anti-Profiteering measure: Section 171 (1) Any reduction in rate of tax on any supply of goods or services or the benefit of input tax credit shall be passed on to the recipient by way of commensurate reduction in prices. As per above section of GST Act, it is mandatory to pass on the

benefit due to reduction in rate of tax or from input tax credit to the consumer by way of commensurate reduction in prices.

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4.13) GST amount charged in the invoice will be reimbursed to the firm against documentary evidence of GST remittance to the Authorities.

Note: To know the scope of the work, it is suggested to the interested Bidder to visit BEML Ltd, Bangalore Complex by taking prior appointment from Construction department by calling telephone Number: 080- 25022735 Senior Manager (Construction) before Tender closing date (i.e. before 25.11.2019 @ 13:30 hrs.)

**Pre-Bid Meeting:**

Bidder shall inspect the site, examine and obtain all information required and satisfy himself/herself before submission of the Tender. Ignorance of site condition shall not be entertained by BEML at a later date.

The bidder or his authorized representative with the authorization letter of the firm is invited to attend the PRE-BID MEETING scheduled on 18.11.2019 at 10.30 AM which will take place at BEML Ltd., Bangalore Complex, New Thippasandra, Bangalore on date & time as stated in the Tender.

The purpose of the Pre-Bid meeting will be to clarify issues related to the tender and to answer questions on any matter that may be raised at that stage.

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**ELIGIBILITY CRITERIA**

Intending Bidder/Bidder who meets the following eligibility criteria may apply for the tender

1	Financial Turnover of the Bidder	The Bidder should have an average financial turnover of at least Rs. 90,000.00 during the last 3 years ending 31 <sup>st</sup> March -2019.
2	GST Registration	The firm should be a registered under GST. The tenderer should quote their GST Number.
3	Work Experience	<p>The bidders should have experience of having successfully completed similar Consultancy/Professional/ Structural Engineering services during the last 7 years ending last day of the Month previous to the one in which this tender notice/enquiry is invited and should be either of the following:</p> <p>(Copy of the Satisfactory performance/completion certificates to be enclosed)</p> <p>i) One similar completed consultancy Contract costing not less than Rs.2,40,000.00 (i.e One single work order of the mentioned value should have been executed/completed)</p> <p>OR</p> <p>ii) Two similar completed consultancy contracts, each costing not less than Rs.1,50,000.00 should have been executed/completed</p> <p>OR</p> <p>iii) Three similar completed Consultancy contracts, each costing not less than Rs.1,20,000.00 should have been executed/completed.</p> <p>(Note: In case of experience certificates obtained from Private Organizations, the same shall be supported with TDS certificate by the Bidder)</p>
4	EMD	<p>DD for EMD amount of Rs. 6,000.00 in the form of DD drawn in favour of BEML Ltd, payable at Bangalore should be submitted before the Tender closing Date &amp; closing Time in Manual Mode. Non-submission / Late submission of EMD will result in rejection of the Technical Bids.</p> <p>PEMD holders must pay the difference amount of EMD and PEMD amount. EMD waiver is applicable for Micro and Small Enterprises (MSEs) registered with NSIC as per "Public Procurement Policy-2012" vide Gazette Notification dated 26.03.2012 based on submission of necessary supporting documents like NSIC Registration Certificate having proper validity. Non submission of NSIC Registration Certificate having proper validity for EMD waiver will result in rejection of the Technical Bids.</p> <p>Non submission of NSIC Registration Certificate for EMD waiver will result in rejection of the Technical Bids.</p>

If the bidders are not meeting our eligibility criteria (or) if the bidder has not provided any supporting documents wherever called for against the eligibility criteria, the offer is liable to be rejected. BEML Ltd reserves the right to accept or reject any or all proposals without assigning any reason.

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**TECHNICAL BID (MANDATORY)**

Sl. No	Particulars	Details (To be filled by the Bidder )
1.	Bidder's Name & Address details Name in full under which the Bidder is executing the contract (Please write the Name in full under which the Bidder is executing the contract)	
2.	The bidders should have experience of having successfully completed similar Consultancy/Professional/ Structural Engineering services during the last 7 years ending last day of the Month previous to the one in which this tender notice/enquiry is invited and should be either of the following: (copy of the Satisfactory performance / completion certificates to be enclosed /submitted in Technical Bid) (Please write the work order number, value of the order, Customer name of Work order in the "Details" column against the respective row below)	
2.(A)	(i) One similar completed consultancy Contract costing not less than Rs.2,40,000.00 (i.e One single work order of the mentioned value should have been executed/completed)  <b>OR</b>	1) Customer Name: 2) Order ref & Date: 3)Contract Value: 4)Contract Period: 5) Performance certificate ref & Date:
2.(B)	(ii) Two similar completed consultancy contracts, each costing not less than Rs.1,50,000.00 should have been executed/completed  <b>OR</b>	1) Customer Name: 2) Order ref & Date: 3)Contract Value: 4)Contract Period: 5) Performance certificate ref & Date:   1) Customer Name: 2) Order ref & Date: 3)Contract Value: 4)Contract Period: 5) Performance certificate ref & Date :

Compliance: Agreed & accepted to comply all the above points

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(Authorised Signatory)  
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<p><b>2.(C)</b></p>	<p>(iii) Three similar completed Consultancy contracts, each costing not less than Rs.1,20,000.00 should have been executed/completed.</p>	<p>1) Customer Name:</p> <p>2) Order ref &amp; Date:</p> <p>3)Contract Value:</p> <p>4)Contract Period:</p> <p>5) Performance certificate ref &amp; Date:</p> <hr/> <p>1) Customer Name:</p> <p>2) Order ref &amp; Date:</p> <p>3)Contract Value:</p> <p>4)Contract Period:</p> <p>5) Performance certificate ref &amp; Date</p> <hr/> <p>1) Customer Name:</p> <p>2) Order ref &amp; Date:</p> <p>3)Contract Value:</p> <p>4)Contract Period:</p> <p>5) Performance certificate ref &amp; Date</p> <hr/>
<p><b>2(D)</b></p>	<p>Confirmation of submission of the satisfactory performance certificates along with respective works orders/Agreement in Technical Bid</p>	<p><b>SUBMITTED / NOT SUBMITTED</b> ( Please put tick mark on the appropriate)</p> <hr/>

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<b>3A.</b>	<p>Financial Turn Over of the Bidder during the last 03 Years ending 31<sup>st</sup> March -2019. (Please write the Financial turnover details during last 03 years ending 31<sup>st</sup> March 2019)</p> <p>(Please upload the financial Turn Over-Audited balance sheet during last 03 years in Technical Bid)</p>	<p>a) 2016-17 : b) 2017-18 : c) 2018-19 :</p> <p><b>SUBMITTED / NOT SUBMITTED</b> ( Please put tick mark on the appropriate )</p>
<b>3B.</b>	<p>GST Registration - The firm should be a registered Bidder under GST. The tenderer should quote their GST Number.</p> <p>(Please write the GST Registration number) (Please upload the GST Registration copy in Technical Bid )</p>	<p>GST Registration Number:</p> <p><b>SUBMITTED / NOT SUBMITTED</b> ( Please put tick mark on the appropriate )</p>
<b>4.</b>	<p>Submission of EMD amount of Rs. 6,000.00 through Manual Mode (Please write the DD number &amp; Date, name of the bank) (Please tick "Submitted" or "Not submitted")</p>	<p>DD Number : DD Date : Bank Name :</p> <p><b>SUBMITTED / NOT SUBMITTED</b> ( Please put tick mark on the appropriate )</p>
<b>4.(A)</b>	<p>NSIC Registration Certificate ( Kindly enclose NSIC Registration Certificate for Micro &amp; Small Enterprise ( MSE) for Waiver of EMD) Submission of NSIC Registration Certificate for Micro &amp; Small Enterprise (MSE) for Waiver of EMD through manual mode is a MUST.</p>	<p>NSIC Registration Number: Validity of the Certificate:</p> <p><b>SUBMITTED / NOT SUBMITTED</b> ( Please put tick mark on the appropriate )</p>

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**ANNEXURE-A**

**(INFORMATION & DECLARATION by the BIDDER)**

Sl.No	Particulars	Details (To be filled by the Bidder)
01.	Name in full under which the Bidder is executing the contract (Please write the Name in full under which the Bidder is executing the contract)	
02.	Address of the official premises of the Bidder (Please write the Address of the official premises of the Bidder)	
03.	Contact Person Name : Telephone / Mobile number of the Bidder : Valid E-mail ID : (Please write the Telephone/Mobile number, valid E-mail of the Bidder)	
04	Income Tax PAN Number : ( Kindly submit copy of Income Tax PAN Number)	<b>SUBMITTED / NOT SUBMITTED</b> ( Please put tick mark on the appropriate )

I / We certify that to the best of my / our knowledge the particulars / information / Documents furnished above and in this Tender are true. If any of the above information/ Documents furnished is found to be false or wrong , we understand and agree that the Contract will be terminated immediately and EMD amount & Security deposit (Bank Guarantee) will be forfeited. It is understood that the information furnished will be treated as confidential and will not be divulged to unauthorized persons.

Compliance: Agreed & accepted to comply all the above points

Name:  
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Signature of Bidder with Date:  
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**Annexure-B**

**STATUTORY REQUIREMENTS CLAUSE:**

**1. The Bidder shall take all safety precautions and provide adequate supervision by the competent persons in order to do the job safely and without damage to equipment.**

2. The Head of the Department (GM/DGM/AGM) awarding the contract or the Occupier/Factory Manager/Safety Officer upon his satisfaction that the Bidder is not performing to the statutory requirements may direct, stoppage of work till the statutory obligations are met or terminate the contract.

3. The contracting department would take necessary shutdown wherever there are hazards of gases, electricity, work at height, confined space, moving machinery etc. The Bidder shall ensure that the shutdown/clearance are taken in writing on daily basis if the works prolongs for more than a day **before sending workers to such locations. Appropriate work permits Type I to III enclosed.**

4. The Bidder shall supply safety appliances like personal protective equipments safety shoe (men and women), respirators, safety belt, face shield, earplug, helmets, gloves etc. to his workers depending on working conditions as advised and approved by safety department.

- |                            |   |                       |
|----------------------------|---|-----------------------|
| (1) Industrial Safety shoe | } |                       |
| (2) Industrial Helmet      | } |                       |
| (3) Respirator             | } | Period of renewal of  |
| (4) Hand gloves            | } | PPE's appropriate to  |
| (5) Plain safety glass     | } | nature of job engaged |
| (6) Ear plug               | } |                       |
| (7) Body apron             | } |                       |

In the event of default to issue any of the safety apparels that are required, the administration is at liberty to provide the same to the labourers at the Bidder's cost

5. The Bidder shall be fully responsible for accidents caused due to his or his agents or workmen's negligence or carelessness in regard to the observance of the safety requirements, adequate supervision and shall be liable to pay compensation for injuries. If any labourers are injured, the Bidder should immediately arrange for FIRST AID and further make arrangements for medical treatment by registered Medical practitioner at his own cost. If the Bidder fails to arrange medical assistance, the case will be referred to Medical authorities and the treatment cost will be recovered from the bills due to the Bidder.

6. The Bidder is solely responsible for safety and security of persons engaged by him and he should provide adequate safety guard, safety net, working platform, safety belt, crawler

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**BANGALORE COMPLEX, BANGALORE 560 075**

**Tender Ref: 6300030184**

**Date : 13.11.2019**

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boards in the case of fragile roof etc. required while executing overhead works at great height. Only experienced persons free from Acrophobia should be allowed to do overhead works. Any compensation due to be paid as per the recommendations of the Inspector of Factories / Labour Tribunal will have to be paid by the Bidder and the administration reserves the right to withhold the routine amount to meet such eventualities for all the items of works carried out in BEML Limited.

7. The Bidder shall not employ women labourers on job which are hazardous and connected to manufacturing process and shall not make them to work between 7 PM to 8AM. The Bidder shall not employ any child labour.

8. No overhead works shall be carried out without taking adequate safety measures. The overhead works along the crane girders are not permitted until a shutdown statement is obtained in writing (appropriate work permit) from the Maint.(Elec & Mech) of Works-in-Charge before allowing the labourers to go on top of crane girders. Similarly for the works of overhead cleaning, replacing of roof sheets, North light glass panel, roof gutter cleaning, painting etc., clearance (work permit) from civil construction & maintenance is a must.

9. The Bidder has to enclose a certificate from Safety Dept indicating satisfactory compliance to safety norms / statutory requirements, similarly as the case of compliance of ESI & PF returns from Welfare dept while submitting the bills, without which payment will not be processed or released.

10. Without any prejudice to the right conferred by the Clause 3.0 above for stoppage of work for violating of statutory requirements, the Bidder shall be liable to pay penalty upto Rs.2000/-

11. All the Contract Labourers working in BEML Ltd premises should be covered under ESI & PF. Without ESI & PF, workers shall not be allowed to enter the factory premises.

12. Bidder shall arrange to get appropriate work permit (Type I – III) to their workers, for carrying out the job in plant area.

**SIGNATURE OF THE BIDDER / BIDDER**

**ADDRESS:**

**DATE:**

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Name:

(Authorised Signatory)

Signature of Bidder with Date:

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13. It shall be the responsibility of Bidder to provide personal protective equipments to their labourers in the absence of PPE's the worker shall not be allowed to enter the factory premises.

14. The Bidder shall maintain the Statutory Records such as:-

- 15.1) F-11 -Adult worker Register
- 15.2) F-14 -Register of leave with wages.
- 15.3) F-22 -Payment of wages Register & Issue of PPEs to the labourer.
- 15.4) F-IV -O.T. Register
- 15.5) F-23 -Accidents Register.
- 15.5) ESI/PF Remittance voucher receipts, wages slip
- 15.6) F-I (R-22)(4) -Fines Register
- 15.7) F-II (R-22)(4) -Deduction Register
- 12.8) F-III (R-18) -Advance Register and leave card
- 15.9) Leave cards and such records shall be subjected for scrutiny by BEML officials and enforcement authorities as and when demanded.

15. Bidder should arrange medical examination to their workers, those working in hazardous area, through certifying surgeon.

16. The successful Bidder will obtain appropriate work permit (Type I III) in the prescribed format from the Department-in-charge who assigns the work from BEML side before commencement of the work.

17. The successful Bidder shall give an undertaking in the format 'WORK CLEARANCE FORM FOR BIDDERS' and commence the work. Daily after clearance by all concerned as indicated in the format.

**SIGNATURE OF THE BIDDER / TENDERER**

**ADDRESS:**

**DATE:**

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**BANGALORE COMPLEX, BANGALORE 560 075**

**Tender Ref: 6300030184**

**Date : 13.11.2019**

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

**WORK CLEARANCE FORM FOR BIDDERS:**

01. Name of the Bidder / Firm with Address :

02. Engaged by which department :

03. Name of the Representative / :

Supervisor of the Bidder

Supervising the job

04. Precise nature of work to be :

Carried out and work order reference

05. Precise location of work :

06. Proposed day and time of :

Commencement of work

07. Expected number of days :

Required for the work

08. Whether the Bidder's workers are to be :

Engaged in I/II/III/ shifts and number

of labourers engaged

=====

A. I accept responsibility of ensuring that all labourers under my control shall observe the statutory safety requirement and follow the safety instructions

**DATE:**

**SIGNATURE OF THE BIDDER/TENDERER**

**TIME:**

**ADDRESS:**

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal



**BANGALORE COMPLEX, BANGALORE 560 075**

**Tender Ref: 6300030184**

**Date : 13.11.2019**

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

B. (Certificate to be given by the engaging department)

Certified that the Bidder has been engaged by us for the work described above

Signature

Departmental in-charge

Date:

Time:

SHOP/SECTION

C. (Certificate to be given by the department/section where work is to be carried out)

You are authorized to carry out the work described below

Signature:

Department-in-charge

SHOP/SECTION

Date:

Time :

NOTE : 01. This form shall be filled in triplicate by the Bidder for records of :

- (i) Department engaging the Bidder
- (ii) Department / section granting clearance
- (iii) Bidder

02. These certificates are not a substitute for the electrical permits and do not give permission to use naked lights or work in gas hazardous areas or enter closed vessels, confined space entry, which shall be taken separately where required.

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**BANGALORE COMPLEX, BANGALORE 560 075**

**Tender Ref: 6300030184**

**Date : 13.11.2019**

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

**WORK PERMIT (TYPE-I)**

**PERMIT TO WORK ON EQUIPMENTS:**

A. For person taking shutdown :

- (i) Equipment on which shutdown is required:
- (ii) Approximate time of shutdown from .....to ..... Hrs.
- (iii) Name of the person taking shutdown .....

Signature:

Name:

Designation:

Date:

Shop / Section

Time:

=====

B. For person giving shutdown to write "Yes" or "NO" or "Not" – required:

- a) Have caution tags been hung on switches :
- b) Have fuses been removed? :
- c) Has earthings been done? :
- d) Have hydraulic/air/gas/pressure :  
valves been closed or deenergized ?
- e) Has emergency key been put in :  
locked position.
- f) Any other precaution taken? :

Compliance: Agreed & accepted to comply all the above points

Name:

(Authorised Signatory)

Signature of Bidder with Date:

Company Seal

**BANGALORE COMPLEX, BANGALORE 560 075**

Tender Ref: 6300030184

Date : 13.11.2019

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

Signature:

Name:

Designation:

Date:

Shop / Section

Time:

=====

C. Persons for taking shutdown ( as in 'A')

The above shutdown job is over and equipment is safe for starting

Signature :

Name :

Designation :

Date:

Shop / Section

Time:

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

**TYPE-II**

**WORK PERMIT FOR BIDDER LABOURS WORKING AT HEIGHT & EOT CRANE**  
**GANTRY**

We propose to work for EOT Crane Gantry at height from.....Hrs. to.....Hrs.

The workers have been provided with necessary safety apparels (PPEs) required for working at height

All the contract labourer required to work at height have been counseled on safety aspects as provided in Dos and Don'ts (See at overleaf).

Permission may kindly be granted to start work. I fully understood the statutory requirements as stipulated in the contract.

The brief description of work and location.

Name & Address of the Bidder and labourer deputed to work.

**SIGNATURE OF THE BIDDER/TENDERER**

**Permitted / Not Permitted**

**Signature of Shop/Section-in-Charge**

**Date:**

**Time:**

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

**ANNEXURE-C**

**SAFETY ASPECTS - DOs AND DON'Ts FOR BIDDERS**  
**WORKING AT HEIGHT ABOVE 3MTS FROM THE GROUND**

**Dos**

1. In consultation with department staff, first find out what actually is required to be done at height
2. Assess the quantum of work involved and time required to complete the same
3. Persons who are well familiar with these types of jobs are to be identified and engaged till the completion of work.
4. Before using safety appliances such as Ladder to reach the height, scaffolding safety net, crawling board, duck ladders, Safety Belts etc. should be suitable & sufficient and thoroughly checked before they are used for the works.
5. It should be ensured that each Bidder's man is covered under the EPF, ESI Scheme.
6. Always use the Safety Appliances when at work. The workman should be detailed about the consequences if they fail to use the safety appliances.
7. Preferably the roof work should be done between 9.00 Hrs. to 18.00 Hrs. only on working days. During raining seasons not to venture work due to slippery surfaces and dampness.
8. The labourer should use safety helmets with ISI Mark.
9. Each day's work should be known in advance to the client & department staff to assess the position and also to know what is below the roof in that area, so that the people working underneath are also informed about the same.
10. Wherever possible, safety nets should be provided immediately below the area of working by way of abundant precaution.
11. The basis overall responsibility of the workers rests with the Bidder himself. Please take utmost care over the life of working workers by taking utmost precaution on safety aspects.
12. Preferably nobody should work in the lunch hours.

**DON'Ts**

1. Do not allow any worker to do works at height if he has no experience.
2. Do not walk on the old sheets or on the Asbestos sheets when they are wet due to rains and aging (fragile).
3. Do not work beyond the working timings as specified unless otherwise authorized.
4. Do not start the work or continue the same in the absence of the Departmental Supervisor.
5. Do not ask the workman to start the work if he is not wearing helmets, required guards, safety belts and other safety equipments required for carrying out the job.
6. Workers under the influence of alcoholic addiction will not be allowed to work inside the site.
7. The workers suffering from Hypertension, diabetes and physically impaired are not allowed to work at altitudes.
8. No worker is allowed to work on the scaffolding while it is moving.

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

**TYPE-III**

**GENERAL WORK PERMIT FOR BIDDER TO WORK ON SHOP FLOOR (WORKING AT  
HEIGHT & EOT CRANE GANTRY IS EXCLUDED)**

A.

1. Name of the Bidder / Firm :
  
2. Contract executing authority :
  
3. Name of the Representative / :  
Supervisor of the Bidder  
Supervising the job
  
4. No. of workmen proposed to be :  
engaged
  
5. The nature of work proposed :  
To be engaged
  
6. Area / location of work to be :  
Carried out
  
7. Date & time of Commencement :

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

8. Date & time of completion :
9. Safety apparels (PPEs) provided : Helmet; Shoe; Goggle; Safety net;  
(Tick appropriate) Respirator; Safety Belt;  
Hand Gloves; Apron; Earplug

I fully understood the statutory requirements stipulated in the Contract and certify to ensure the safety of my labourers in all respects as per BEML requirements.

Date & Time

Signature of Bidder

=====

B

The information furnished by Bidder / Representative of the Bidder has been verified and Bidder is permitted to work from..... to ..... ( days). All safety precautions required by the Administration to facilitate safe working of contract personnel have been taken to the extent perceived.

Date & Time

Shop / Section incharge

=====

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal



**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

WORK COMPLETION REPORT

C It is certified that the assigned contract work has been completed at \_\_\_\_\_hrs on \_\_\_\_\_ Request to restore the normal working.

Accepted / Not accepted

Bidder / Representative

Shop / Section Incharge

=====

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

ANNEXURE – D - Terms & Conditions of the Contract

Ref : 6300030184

Date: 13.11.2019

**TERMS AND CONDITIONS OF THE CONTRACT**

WORKS TO BE CARRIED ON WITH EXPEDITION FAILING WHICH THE COMPANY MAY EMPLOY OTHER BIDDERS WITHOUT VITIATING THE CONTRACT

The Bidder shall commence to carry on the works with due diligence and as much expedition as the Engineer may reasonably expect having regard to the specified time of the whole of the works as mentioned in the "Bill of Quantities /Scope of the contract" of General Specifications. In case the Bidders fail to do so or neglect to execute the work, then the company shall have full power without vitiating the contract to take the works wholly or in part of the hands of the Bidder to engage or employ any other person or workmen and to procure all the requisite materials and implement for the due execution and completion of the said works and the costs and charges incurred by the company in doing so shall be ascertained by the competent authority and be paid for or allowed to the company by the Bidder and it shall be competent for the company, to reduce the amount of such costs and charges along with overheads out of any sum or sums due to or to become due from the company to the Bidder under this or any other contract.

**1. DAMAGES FOR DELAYS IN THE PERFORMANCE OF THE CONTRACT**

In case the Bidder fails to complete the works and clear the site on or before the stipulated time mentioned in the Work order he shall without prejudice to any other right or remedy of the Company in this behalf pay, as agreed Liquidated Damages and not as penalty, pay sum equal to 0.5% of the Contract sum (excluding non tendered/extra items, if any) for every week's delay subject to maximum of 10% of the total final bill value of the Contract.

Liquidated Damages shall be applicable in the following cases:

- a) where the Bidder fails to complete the work within the stipulated time;
- b) where the extension of time is granted with levy of LD;
- c) Where extension of time is granted without levy of LD but the Bidder has failed to complete the work within the extended period.

The amount of Liquidated Damages shall be adjusted or set off against any sum payable to the Bidder under this or any other contract/s awarded by the Company.

In case where the contract is subjected to levy of LD, the Chief Engineer shall be the authorized person to issue 'Work Completion Certificate', which shall be final and binding the Company as well as the Bidder concerned.

**2. EXTENSION OF TIME**

The time allowed to complete the work is 2 (Two) Months .For all contracts awarded, time is the essence of the contract. The Bidder is bound to complete the work within the stipulated time. The Chief Engineer has to assess the delay arising out of default of the Bidder. Where the delay is due to default of the Bidder, and if there is no financial loss due to such delay, the Chief Engineer can recommend for grant of extension of time by the same authority who accepted the tender/awarded the contract, subject to recording the reasons for granting such extension of time.

Where the delay is due to default of the Bidder, and if there is a financial loss due to such delay, the extension of time requires the approval of CMD. In the absence of CMD's approval, Liquidated Damages for

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

delay in completion of the work shall become enforceable.

Where the delay is not due to default of the Bidder, for example: -

- a) not providing clear work front to the Bidder by the Company,
- b) Company's delay in decision making for changes relating to original work., etc necessary extension of time shall be granted with the approval of Competent Authority, as per DoP without sanctioning escalation claimed by the Bidder except statutory levies.

Extension of time when granted with the approval of the Competent Authority as per Company's Delegation of Powers shall have the effect of rendering the clause Liquidated Damages for delay in completion work' inoperative up to the period of extension of time so granted unless otherwise specifically stated.

### 3. SECURITY DEPOSIT:

The successful tenderer shall be required to furnish security deposit for the fulfilment of contract and amount shall be 10% of the value of the contract, to be paid by the Bidder. No waiver can be allowed in this regard. Such security deposit shall not entail any interest payment on refund.

The Bidder shall choose any one of the following options for payment of security deposit in writing as under:

- (i) The Bidder shall within 30 days of acceptance of the contract deposit the difference between Earnest Money and full Security Deposit by Demand Draft/Banker's cheque drawn on any of the commercial bank made in favour of Company. PEMD held with BEML cannot be considered for such adjustment in the Security Deposit payable by the Bidder.
- (ii) Bank guarantee from any commercial bank equivalent to the amount of security deposit valid for a period required by BEML shall also be accepted.
- (iii) Security Deposit amount shall be deducted from the running bills of the Bidder at the rate of 10% or higher of the gross value of each bill. However, the entire security deposit amount shall be deducted before completion of 90% of work.

The above deposit shall be held by the Company as security for the satisfactory performance of the contract. All compensations or other sums or money payable by the Bidder to the Company under the terms and conditions of this contract shall be deducted from this security deposit or from any other sums that shall be due, or shall become due to the Bidder by the Company on any account whatsoever and in the event of the security deposit being reduced by reasons of any such deductions the Bidder shall within ten days thereafter make good these deductions.

### 4. REFUND OF SECURITY DEPOSIT:

The above deposit, as the name itself signifies, shall be held as Security for performance of the contract and shall be refunded to the Bidder on completion of the contract based on the recommendations of the Chief Engineer in writing that the work has been physically completed in all respects.

### 5. FORE-CLOSURE OF CONTRACT:

The tender documents shall provide a clause to the effect that at any time after acceptance of the tender, the Company can decide to abandon or reduce the scope of work for any reason whatsoever, the Chief Engineer shall give notice in writing to that effect to the Bidder. The compensation, if any, payable for such foreclosure of work shall be discussed mutually between the Company and the Bidder and settled after taking into consideration the loss suffered by the Bidder on account of foreclosure of the contract. The Bidder shall have no claim for any compensation whatsoever on account of any profit or advantage which he

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

might have derived consequent to foreclosure of the whole or part of the works. The Company shall have the option to take over the Bidder's materials or any part thereof, either brought to the site. The amount of compensation payable to the Bidder due to foreclosure shall be decided by the authority one level above the level of the authority competent to award the contract, or by the CMD.

**6. RUNNING ACCOUNT REMITTANCE: (RAR)**

During the progress of work, Bidder shall submit the claims giving complete details of work done, rate and value to the Engineer-in-charge/Officer-in-charge nominated by Chief Engineer who shall certify the rate and quantity as per the MB and prepare a statement showing the description and quantity for which he recommends payment. These claims are called RAR bills and RAR payments are made once in a calendar month or more depending upon the periodicity of contract/progress of work.

Due to technical reasons, where pro-rata payments on stage-wise progress of work is considered necessary though not specified in the contract, the Chief Engineer with the approval of competent authority, shall decide the number/type of stages correlating with the bill of quantities and submit a statement showing the stage-wise break-up of the contract value indicating work progress details including percentage of completion, cost, and remarks, if any, of the Engineer-in-charge/Officer-in-charge with a copy to Accounts in the respective Division for regulating the quantity and payment. This shall form the basis for the Engineer-in-charge/Officer-in-charge to prepare a bill for actual progress of work. The basis as decided above shall uniformly be adopted for regulating all RAR payments till the final bill is submitted.

**7. FINAL BILL**

No Escalation Claim: While quoting the rates, the tenderer are advised to take into account all factors in the market rates etc, no claim will be entertained on this account after acceptance of the tender or during the currency of the contract.

On completion of the work and a final bill shall be submitted by the Bidder. On receipt of the final bill duly signed by the Bidder, the same shall be scrutinized by the Engineer-in-charge/Officer-in-charge to see that the claim is in order.

The final bill prepared by the Construction Department and accepted by the Bidder, shall be accompanied with the following documents:

- 1) Original Completion certificate
- 2) A statement showing stores issued for incorporation in the work, stores actually incorporated by the Bidder, theoretical quantity of stores required for work and whether there has been any over issue/under issue of the stores to the Bidders.
- 3) No claim certificate duly signed by the Bidder
- 4) Contract Agreement
- 5) Final Bill as duly approved by Competent Authority.
- 6) Any other documents which are specified by the Management from time to time.

The Engineer-in-charge/Officer-in-charge has to certify in the work Completion certificate as well as in the Measurement Book, that the work is executed in conformity with the contract specification and other conditions.

The final bill duly checked and co-ordinated by the Engineer-in-charge/Officer-in-charge shall be sent to the Finance Department through Chief Engineer along with the documents stated above.

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal

**BANGALORE COMPLEX, BANGALORE 560 075**

**Tender Ref: 6300030184**

**Date : 13.11.2019**

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

**8. ADHOC PAYMENTS:**

If payment for final bill could not be arranged within 5 months from the date of the completion of the contract for genuine reasons other than undue delay in submitting the final bill by the Bidder, an Adhoc payment not exceeding 90% of the value of the work done after making all necessary deductions for statutory dues, RAR payments,

Material advances if any paid, shall be recommended by the Chief Engineer with the approval of respective Complex chief/ respective Business Group Director. Such Adhoc payment can be recommended only if the Bidder is having concurrent running contracts in the Complex.

The following guide-lines shall be adopted while making such adhoc payment;

- Such payment shall not exceed 90% of the final bill value.
- All conditions of contract and recoveries to be effected shall be taken care before effecting Adhoc payment.
- If a Bidder has no other contract concurrently running in the Complex, adhoc payment need not be made. Instead, final bill shall be expedited

**9. VALUATION OF DEVIATIONS :**

Every deviation shall be subject to the limits specified as under:

- The net value of all deviations (additions and deductions) including non tendered items, of the value of work completed, shall not exceed 20% of the approved contract value and 40 % in respect of any individual item, indicated in schedule A-BOQ
- In case of non tendered items, the total value of such non tendered items shall not exceed 5% of the approved contract value.

**10. SAFETY PRECAUTION**

The Bidder is to take all safety precautions/measures all as required/prescribed by the Chief Inspector of Factories, in connection with the execution of work.

**11. ACCIDENTAL DAMAGES**

The Bidder is solely responsible for making good the damages occurring on account of any possible accident to his labour due to his failure to take safety measures.

**12. WATER REQUIRED FOR WORKS**

(a) Water required for the work will be supplied by the company and Bidder shall be charged for the quantity of water consumed by him at Rs. 90/- per 1000Liters or part thereof the Bidder shall make his own arrangements to tap and store the water from the nearest available source and also provide the necessary water meter for arriving at the quantity of water consumed by him. This should be certified by the Engineer-in-Charge and his decision will be final and binding. In case the tariff increased by BWSSB the revised rate will be deducted from the Bidders bill.

(b) In case where water meter is not provided then recovery for water consumed shall be affected from the Bidder's bill towards (irrespective of the quantity of water consumed) at 455Litres per bag of cement used.

(c) In case the Bidder does not draw / consume water from company source supply or makes his own arrangements by way of bringing the water Tanker / bore well making for water required for the works then no recovery shall be affected from the Bidder's bill towards water required for the work. This should be certified by Officer in charge.

Compliance: Agreed & accepted to comply all the above points

Name:

(Authorised Signatory)

Signature of Bidder with Date:

Company Seal

**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

**13. TAXES & DUTIES APPLICABLE**

The tenderer should be a Registered Bidder under GST. The basic price and applicable tax should be quoted separately in the BOQ. The tenderer should quote their GST number. TDS (Income Tax): The tenderer should quote their PAN number. Tax deducted at source (TDS) will be recovered as applicable.

**14. ELECTRICITY REQUIRED FOR WORKS**

Electricity required for the work may be provided at a nearest available point by BEML on request based on Availability at free of cost. Bidder to note this aspect while quoting the rates. However Bidder has to make His Own arrangement to work during power failures/non availability. Non availability of power will not be a Reason For delay in works.

15. In the event of any accident/injury/disablement, Bidder should arrange to pay the requisite compensation legally payable to the concerned employees/Dependants and also indemnify to BEML in case any claim arising there for later.

**16. DISPUTE RESOLUTION AND JURISDICTION:**

All disputes or differences whatsoever arising between the parties out of or relating to the construction, meaning and operation or effect of the contract or the breach thereof arising during the progress of work or after completion or abandonment thereof shall be mutually discussed and settled amicably by conciliation Committees/ Councils comprising of independent subject experts constituted by BEML, failing which, the dispute shall be settled by arbitration consisting of sole arbitrator appointed by the Company in accordance with the provisions of Arbitration and Conciliation Act 1996 and the arbitration proceedings shall be conducted at the place of awarding of original Contract.

The court at the place of awarding of contract only shall have jurisdiction to entertain any dispute/matter relating to the contract.

In case of any dispute between the Company and any other Public Sector / Government department relating to the interpretation and application of the provisions of the contract, such disputes / differences shall be referred by either party to the arbitration of one of the arbitrators in the Department of Public Enterprises. The Arbitration and

Conciliation Act, 1996 and amendment thereof shall not be applicable to this clause. Any party aggrieved by such award, shall make further reference to the Ministry of Law and Justice, Government of India.

In case BEML challenges the Arbitral Award passed against it, 75% of the award may be paid to the Bidder / concessionaire against Bank Guarantee without prejudice to the final order of the Court in the matter under challenge. The payment may be made into a designated Escrow Account with the stipulation that the amount so released will be used, first, for payment of lenders' dues, second, for completion of the project and then for completion of other projects of BEML, as mutually agreed / decided. Any balance remaining in the Escrow Account subsequent to settlement of lenders' dues and completion of projects of BEML, may be allowed to be used by the Bidder / concessionaire with the prior approval of the lead banker and BEML.

In case the subsequent court order required refund of the money paid by BEML to the Bidder / concessionaire against Bank Guarantee, the amount shall be refunded by the Bidder / concessionaire along with appropriate interest. The rate of interest on such refund amount shall be decided by BEML keeping in view the cost of capital to BEML or the rate of interest provided for in the Contract Agreement or the rate of interest awarded under the Arbitral Award under challenge.

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal



**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

**ANNEXURE -E**

**Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.**

**The various stages of scope of work from Inspection, Assessment and Reporting with recommendations: are as follows:-**

Conducting detailed physical inspection of existing Industrial Buildings/hangars, Storage sheds/ Buildings, Administrative & Services Buildings, canteens etc., in the factory premises as per EHS guidelines.

Accounting the approx age of existing Industrial Buildings/hangars, Storage sheds/ Buildings, Administrative & Services Buildings, canteens etc. in the premises of BEML Limited, Bangalore Complex.

Identification of subsequent additions or rectifications compared with original design & constructions & review of the Date of last inspection report or structural stability assessment report if any.

Review of Status of implementation of recommendations of last inspection & Identify deficiencies at present conditions.

Review of status of sub-structure for any change subsequent to constructions, Nearby excavation close to the foundations, Nearby collection of water/ drains, review of Cracks on floors, Settlements, etc.

Review of status of The Super-structure (Concrete) for any observed Crack in beam or column, Assessment & review on exposure of reinforcement and its corrosion, Assessment on subsequent damage while laying taking pipes, conduits, hangings, fans or any other fixtures, etc. Cracks in plaster / slab, Spalling of concrete or plaster of slab, i. Seepages/ Leakages, etc.

Review of Status of the Super-Structure (Steel Structure) for Paint conditions, Corrosion, Conditions of Joint, nuts, bolts, rivets, welds, gusset plates, Bending or buckling of members, Base plate connections with columns or pedestals, etc,

Assessment of damages level of the structural system of Vertical Members for its deformations, Horizontal Members / Trays, Sheared Foot Anchors, Positions of Base connections, Access Steps/Stairs, Bent Struts/ Beams of any kind, Broken Welds due to overloading / improper loading / lack of maintenance.

Assessment of damages / settlement of supporting floor below the storage rack system.

Review of the Status of The Super-Structure (Load bearing masonry structure/ other walls) for Cracks in masonry walls, Seepages/leakages, etc.

Conditions of waterproofing in roof top for Seepages / leakages, Condition of covered, inaccessible areas such as above false ceiling, etc.

Any "change of use" for buildings/structures from the original design, which can result in significant change in loads (to be checked against the original drawings/designs, where they are not available needs to carry out a more detailed analysis)

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal



**Subject:** Consultancy/Professional Engineering/Chartered Structural Engineering services for evaluating the structural stability of various Industrial buildings/hangars in the premises of M/s BEML Limited, Bangalore Complex, Bangalore.

Analyze the damage level & recommendations for the identified deficiencies based on the functional use, engineering solutions for its repair or modifications or replacement to the structural system.

**Important Note:**

**The total built up area of the Buildings/Hangars considered is 1,00,000 Sqm.**

**The rate should be quoted separately per Unit (Sqm) in the Commercial Bid of the tender. The applicable taxes (GST) should be mentioned and shown separately.**

**NDT tests if any required as per the inspection, assessment, evaluation & recommendation of the Consultant shall be with proper technical justification as per IS codes.**

**The charges for carrying out the NDT tests would be paid extra based on production of proper documentary evidence/Bill/Tax invoice.**

Senior Manager (Civil const & Maint)

Compliance: Agreed & accepted to comply all the above points

Name:  
(Authorised Signatory)  
Signature of Bidder with Date:  
Company Seal