TENDER DOCUMENT

FOR

Name of the work
Supply, Installation, Testing, Commissioning and Maintenance of 13 (884 Kg) Passenger capacity Lift for Facility Block at SAMEER Kharghar Navi Mumbai, and FOR Utility cum hostel Building at SAMEER Powai Mumbai.

TENDER NO : SMR/MANT/GN040/2020L/PT

DUE DATE OF OPENING: - 30/07/2020
TWO BID SYSTEM
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TENDER NOTICE
NIT No: - SMR/MANT/GN040/2020 L/PT

1.0 Sealed tenders are invited on behalf of the DIRECTOR, SAMEER from approved and eligible contractors of CPWD, State PWD (B & R), MES and Railways for the following work:

I) Original Equipment Manufacturer (OEM)
   OR
   The tenderer should be authorized channel partner/ authorized dealer being authorized by OEM.

II) Contractors who are in CPWD approved list in Group "A" category for passenger Lifts.

<table>
<thead>
<tr>
<th>Name of work</th>
<th>Supply, Installation, Testing, Commissioning and Maintenance of 13 Passenger capacity Lift for FOR Facility Block at SAMEER Kharghar Navi Mumbai, and FOR Utility cum hostel Building at SAMEER Powai Mumbai.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated cost of the work</td>
<td>Rs. 42,60,920.00</td>
</tr>
<tr>
<td>Earnest money</td>
<td>Rs. 85,218.00</td>
</tr>
<tr>
<td>Cost of blank tender document</td>
<td>Rs. 500.00 plus GST Non refundable</td>
</tr>
<tr>
<td>Completion period</td>
<td>Six Months</td>
</tr>
<tr>
<td>Last date of issue of tender from the Office</td>
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</tr>
<tr>
<td>Last date and time of sub of tender</td>
<td>30/07/2020</td>
</tr>
<tr>
<td>Last date &amp; time of opening of tender</td>
<td>31/07/2020</td>
</tr>
</tbody>
</table>

2.0 The complete application form and tender documents can be purchased or downloaded from the web site www.sameer.gov.in. The contractor shall submit the downloaded tender documents in the manner detailed in the enclosed NIT.

3.0 The financial bid (envelope 2) will be opened only for those tenderers who are found finally eligible after opening of envelope 1. Issue of tender documents by SAMEER does not ipso-facto mean that the contractor is eligible to tender.

4.0 If there happens to be a holiday on any date mentioned above, the said date shall stand extended to the next working day.

5.0 Tenders shall neither be issued by post nor will they be received by post.

6.0 The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

7.0 Tender opening procedure shall be as follows;
   7.1 Participation in Public Tender Opening will be STRICTLY via ONLINE VIRTUAL PLATFORM.
   7.2 Vendors interested must fill the ONLINE FORM available at https://www.sameer.gov.in/tenders.asp#page TWO working days before the tender opening date.
   7.3 On the day of tender opening, virtual meeting link will be provided through mail to the vendors who have registered for participating in the tender. Only the vendors who has submitted the offer can participate in the online tender opening.

Link for Registration for online participation is http://publictender.sameer.gov.in/ It will be assumed that those Vendors who did not fill in the form are not interested in joining the Tender Opening Process.
APPLICATION FOR PARTICIPATION IN TENDER

FROM
Name : Place :
Address : Date :
___________________________________________________________________

To
Registrar,
SAMEER,
Powai, Mumbai

Subject: Submission of documents for participating in “Tendering” for the work of “Supply, Installation, Testing, Commissioning and Maintenance of 13 (884 Kg) Passenger capacity Lift for Facility Block at SAMEER Kharghar Navi Mumbai, invited vide NIT No. SMR/MANT/GN040/2020 L/PT

Dated:-

Reference: NIT seen on (Place) ................. ........ (Form) ............... (Date)

Sir,
1. I / We am/ are registered with ………… ... ... ... ...... ..... Contractor (s) and my/ our registration number is ………….. ………….. ………….. ………….. ………….. ………….. It is certified that the said registration is valid up to and including the date …………………………….

2. I / We am/ are not registered with SAMEER.

3. I / We am/ are registered with Public works organizations like CPWD/ MES / State R&B Dept./ Railways only. Class and tendered amount/ limit up to which I/We am/are eligible to tender are furnished below:

<table>
<thead>
<tr>
<th>Authority</th>
<th>Class</th>
<th>Tendering Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. It is certified that this registration/ these registrations is/ are valid as on date and I/ We shall inform the department myself/ ourselves as soon as my/ our registration expires or is cancelled/ revoked.

5. I/We am/are Specialized Agency/ Sole Applicant/ Partnership Firm/ Company/ Power of Attorney holder

(a) In case of Partnership firm the attested copy of the partnership deed is attached herewith.

(b) In case of company attested copies of memorandum of articles of associations is attached herewith.

(c) In case of Power of Attorney holder attested copies of power of attorney duly registered in court is attached herewith.

6. It is certified that I/we have personally seen, read, understood and accept (unconditionally) all the provisions and instructions made in “NIT Part –I” and “NIT Part – II (available in Civil Engineer office)”.  

7. The particulars of satisfactory and timely completion of similar work done are enclosed and the following 3 (Three) nos. of work completion certificates are submitted with respect to this NIT in order to establish my/our eligibility for participation in tender, as per requirement of NIT.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of work &amp; Agreement No.</th>
<th>Amount of work done</th>
<th>Date of completion</th>
<th>Issuing authority</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
8. The particulars of works in hand (in progress) with me/us are enclosed in prescribed form `A`.

9. I/We will produce original documents of all the attested copies submitted herewith whenever required by the department.

10. The declaration in respect of Para 14 of CPWD-6 is hereby given, which will become part of the agreement. “I........................................... son of Shri ........................................... do hereby certify that none of my relative(s) as defined in the tender document is/are employed in SAMEER unit as per details given in the tender document. In case at any stage it is found that the information given by me is false/incorrect, SAMEER shall have the absolute right to take any action as deemed fit without any prior intimation to me/us.

In case at any stage, it is found that the information given by me is false/incorrect, SAMEER shall have the absolute right to take any action including termination of contract as deemed fit without any prior intimation.”

The near relatives for this purpose are defined as:

a) Members of a Hindu Undivided family,
b) Husband, wife
c) The one is related to the other in the manner as father, mother, son(s) and son’s wife (daughter-in-law) Daughter(s) and daughter’s husband (son-in-law), brother(s) and brother’s wife, sister(s) and sister’s husband (brother-in-law).

11. I/We do hereby solemnly declare that I/We shall abide by all rules/conditions/provisions of E. P. F. and Misc. Provisions Act 1952 & Employees Provident Fund Scheme 1952. In case of any default or failure to comply with the above, the sole responsibility shall be mine/ours.

I/We will produce the following documents with my each works payment bill for effecting payments:

i) List showing the details of labourers/employees engaged,

ii) Duration of their engagement,

iii) The amount of wages paid to such labourers/employees for the duration in question,

iv) Amount of E.P.F contributions (both employer’s & employee’s contribution) for the duration of engagement in question, paid to the E.P.F. Authorities,

v) Copies of authenticated documents of payments of such contribution to E.P.F. Authorities and,


VII) GST registration Certificate of the State in which the work is to be taken up, if already obtained by the bidder.

12. I/We hereby enclose cost of tender form (non-refundable) in the form of Cash*/DD/Bankers’ cheque of a Nationalized bank/Scheduled bank (Guaranteed by R.B.I) bearing number ........ date ......... in the name of Society or Applied Microwave Electronics Engineering & Research Mumbai, payable at Mumbai for Rs...... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ......... ... only.

13. I/We hereby enclose EMD in the form of Deposit at Call Receipt/Demand draft/Fixed deposit receipt issued by a Nationalized bank/Scheduled bank (Guaranteed by R.B.I) bearing number ........ date ......... in the name of Society For Applied Microwave Electronics Engineering & Research, Mumbai payable at Mumbai for Rs...... ......... ......... ......... only.
14. I am/we are enclosing ... ....... numbers of sheets including attested copies of documents listed above along with my /our application.

15. I/We request that permission may be granted to me/us for participating in tender. Declaration regarding downloaded tender documents is given in form 'B' *(If applicable)*.

16. All the above information furnished by me is correct and true to my/ our knowledge and belief. I/we have neither suppressed nor concealed any information herein above which is having or may have bearing on my becoming non-eligible to tender for above work. If it is found at any stage that I/ We have misrepresented the facts or submitted any false, forged or wrong documents, I/We understand that the tender / work may be cancelled and Earnest Money/ Security Deposit is liable to be forfeited and I / We may also be debarred from further participation in the tenders in SAMEER, and are liable to be removed from the approved list of contractors of SAMEER.

Yours’ faithfully
Dated ...........
(CONTRACTOR)
(Signed with seal)

# LIST OF WORKS IN HAND

*(Enclose separate sheet if required)*

<table>
<thead>
<tr>
<th>Name of work</th>
<th>Name and particulars of division where work is being executed</th>
<th>Value of work</th>
<th>Position of work in progress</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
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<td></td>
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</tr>
</tbody>
</table>

Yours’ faithfully

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

Dated ....................

Signature of Contractor
GENERAL GUIDELINES

1. This book of “General Conditions of Contract” is applicable to both types of tenders i.e. “Percentage rate tenders and Item rate tenders”. Accordingly, alternative provisions for conditions Nos. 4, 10 & 12 of the General Rules and Directions are given in this book. The appropriate alternatives will be applicable in specific cases depending on whether this is used for percentage rate tender (CPWD-7) or item rate tender (CPWD-8).

2. CPWD-6, Schedules A to F, special conditions/specifications, and drawings only will be issued to intending bidders. The standard form will not be issued along with the Tender Documents but the same shall form part of the agreement to be drawn and signed by both parties after acceptance of tender.

3. All blanks are confined to Notice Inviting Tender (CPWD-6) and Schedules A to F.

4. Authority approving the Notice Inviting Tenders (NIT) shall fill up all the blanks in CPWD-6 and in Schedules B to F before issue of Tender Papers.

5. The intending bidders will quote their rates in Part II

6. The Proforma for registers and Schedules A to F are only for information and guidance. These are not to be filled in the Standard Form. The Schedules with all blanks, duly filled, shall be separately issued to all intending tenderers.
NOTICE INVITING TENDER

Sealed item rate tenders are invited on behalf of the Director, SAMEER from the following:

I. Original Equipment Manufacturer (OEM)

   OR

   The tenderer should be authorized channel partner/ authorized dealer being authorized by OEM.

II. Contractors who are in CPWD approved list in Group "A" category for passenger Lifts.

    The tender shall be submitted in 2 different envelopes:

    Envelope No. 1: Envelope 1 should consist of two sealed envelope in which one should have EMD & Tender processing fee and other should contain Pre-qualification document and techno commercial details.

    Envelope No. 2: Financial bid in the schedule of Quantity.

    Both Envelopes are then by order to be put in a Big single envelope, which should be sealed & submitted.

   1. The work involves Design, Manufacture, Supply, Installation, Testing, Commissioning and Maintenance of 13 Passenger capacity Lift for FOR Facility Block at SAMEER Kharghar Navi Mumbai, and FOR Utility cum hostel Building at SAMEER Powai Mumbai, as per the specifications laid down in the tender document.

1.1 Particulars of the work:


   Estimated Cost : Rs. 42,60,920/-

   Earnest Money : Rs. 85,218/-

   Tender Processing fee: Rs. 500/- plus GST

   Completion Period : Six Months

1.2 The firms who are not approved in CPWD in appropriate class for lifts of Group "A" category works will have to fulfill the following pre-qualification criteria:

   "The intending Tenderer should have completed satisfactorily at least 2 (two) similar passenger lift works, in their own name each costing not less than Rs. 15 Lacs each in the last 07 years in Central Govt/State Govt/Central Govt public sector Undertaking/Central Govt. Autonomous Bodies”.

1.3 Completion certificates issued by the Officer of the Client department of the rank of Executive Engineer or equivalent will have to be furnished along with the application. The Completion Certificate must clearly indicate:

   a) The date of completion of work

   b) Nature of work

   c) That the work has been completed satisfactorily.

1.4 The application along with the enclosures shall be submitted in a sealed envelope which shall be superscripted Tender for the work of “Design, Manufacture, Supply, Installation, Testing, Commissioning and Maintenance of 13 Passenger Lift FOR Facility Block at SAMEER Kharghar Navi Mumbai, and for Utility cum hostel Building at SAMEER Powai Mumbai.” due on 30/07/2020.

1.6 SAMEER reserves the right to reject or accept any tender application without assigning any reason.

1.8 Tender document can be downloaded from official website of SAMEER, Mumbai under URL:
The Banker’s Cheque / Demand Draft / Fixed Deposit Receipt (FDR) for EMD of Rs. 85,218/-. This submission is mandatory, accordingly offer of those shall be opened whose EMD is received.

Bidder has to submit the Entire technical Bid in hard copy which includes the Pre-qualification documents mandatory to qualify in separate envelop on or before the submission date and time.

1.9 Pre-Bid meeting (if required)
A prospective bidder requiring any clarification of the bidding documents may notify the Society in writing or by mail at the Society address indicated in the Invitation for Bid. The Society will respond to any request for clarification which he receives prior to holding of Pre-Bid Meeting (if required). Copies of the Society response will be forwarded to all recipients of the Bid documents, including a description of the enquiry but without identifying its source.

Pre-bid meeting, if required, shall be convened on ___________ 2020 at 10:00 A.M. in the Project Department, SAMEER, Mumbai.

The purpose of the meeting shall be to clarify issues and to answer questions on any matter that may have been raised by the prospective bidders in writing and received by the Society office. No further queries shall be entertained after pre-bid meeting.

Non-attendance at the pre-bid meeting will not be a cause for disqualification of the bidder.

1.10 Short listing will be made on the basis of statement of qualification and experience in handling similar nature and size of work as per Pre-qualification requirements.

1.11 The employer shall not be responsible for any costs or expenses incurred by the bidders in connection with the preparation and delivery of bids, including costs and expenses related to visits to the sites etc.

1.12 Technical Proposal not containing the EMD will be out-rightly rejected.

1.13 Qualification requirements specifying financial capacity, technical, minimum acceptable levels with regards to Bidders experience in relevant work and other related factors such as work on hand, other commitments on that time frame and litigation history as given and described will be evaluated first and those qualification criteria will be considered for further evaluation. Technical Proposal, which is not considered substantially responsive, will be rejected. The short listed bidders’ Price bids shall be opened on subsequent date for further evaluation in the presence of the Bidders who choose to be present on the occasion, which will be informed on the day of technical bid opening.

2.0 Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 7/8 which is available as a Govt. of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3.0 The time allowed for carrying out the work will be 180 Days from the Seventh day after the date of issue of letter of award of work, or from the first day of handing over of the site, whichever is later, in accordance with phasing, if any, indicated in the Tender Document.

4.0 The site for the work shall be made available, OR
The site for the work shall be made available in parts

5.0 Applications for issue of forms shall be received by (as per the date mentioned in tender notice) (4PM) and tender document shall be issued up to (as per the date
mentioned in tender notice) (4PM). Tender document consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the Civil Engineer SAMEER between hours of 11.00 AM & 4.00 PM except on Sundays and Public Holidays. Tender documents, excluding standard form, will be issued from his office, during the hours specified above, on payment of Rs 500/- plus GST in cash as cost of tender.

6.0 Tender documents The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can either be downloaded from the SAMEER website http:\\:www.sameer.gov.in or be seen in the office of the Head ESSD(civil), SAMEER IIT CAMPUS, POWAI, MUMBAI 400 076. between 11.00 hours & 16.00 hours from the date of issue of the NIT to every day except on Sundays and Public Holidays. Tender documents, excluding standard form, will be issued from his office, during the hours specified above on payment of following:-

i. Rs.500.00 (Rs. Five Hundred only) plus 18% GST as cost of tender (Non-refundable) in cash.

I . a) Downloaded tender form does not required to pay tender fee.

ii. Tenders shall be accompanied with Earnest money of Rs. 85218/- in cash Deposit at Call receipt of a scheduled bank/fixed deposit receipt of a scheduled bank/demand draft of a scheduled bank issued in favour of SOCIETY FOR APPLIED MICROWAVE ELECTRONICS ENGINEERING& RESEARCH. 50% of earnest money or Rs. 20 lakh, whichever is less, will have to be deposited in the shape prescribed above and balance amount of earnest money can be accepted in the form of Bank guarantee issued by a scheduled bank having validity for 6 months or more from the last date of receipt of tenders.

iii) The tender shall be accompanied by Earnest money along with the cost of tender, if not paid earlier as in the case of downloaded tender from website in the form as detailed in sub para (ii) above.

7.0 The contractor whose tender is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker’s cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1, 00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule ‘F’. including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

8.0 The description of the work is as follows:
Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for
arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

9.0 The competent authority on behalf of the Director SAMEER does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected. Note: In case the eligibility credentials are not found in order at any stage i.e. before award of work or during execution of the work or after completion of the work, the contractor will be debarred from tendering in SAMEER for three years including any other action under the contract or existing law.

10. Canvassing whether directly or indirectly, in connection with tenders, is strictly prohibited and the tenders, submitted by the contractors, who resort to canvassing, will be liable to rejection.

11. The competent authority on behalf of SAMEER reserves with himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

12. The company or firm or any other person shall not be permitted to tender for works in SAMEER in which his near relative (s) (directly recruited or on deputation in SAMEER is/are posted in any capacity either non-executive or executive employee. Near relative (s) for this purpose is/are defined as:
   (i) Member of Hindu Undivided family (HUF).
   (ii) They are Husband and Wife.
   (iii) The one is related to other in the manner as father, mother, son(s) & Son's wife (daughter-in-law), Daughter(s), Daughter's husband (son-in-law), brother(s), brother's wife, sister(s), sister's husband (brother-in-law).

14. The tender for the works shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders/Ninety days from the date of opening of financial bid in case tenders are invited on 2/3 envelope system (strike out as the case may be) if any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Society shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.

15. This notice inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

   a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

   b) Standard C.P.W.D. Form 7/8

16. In case of works having estimated to cost below Rs.15,00,000/-, the successful tenderer shall be required to execute an agreement with the Engineer-in-charge in the proforma annexed to the tenders document, within 15 days of issue of letter of award by SAMEER. In the event of failure on part of the successful tenderer to sign the agreement, the Earnest money will be forfeited and the tender cancelled.
In case of works estimated to cost Rs. 15,00,000/- and above, the successful tenderer shall, upon issue of letter of acceptance of Tender, shall be required to furnish performance guarantee @ 5% of the tendered value in the form of irrevocable Bank Guarantee of requisite amount to the Engineer-in-charge in the proforma annexed to the tender document, within 15 days of the issue of letter of acceptance of Tender by the SAMEER. In the event of failure on the part of the successful tenderer to furnish the Bank Guarantee within 15 days, the earnest money will be forfeited and tender cancelled.

17 This notice inviting tender (CPWD W-6) shall form a part of the Contract Document. In accordance with clause-1 of the contract, the letter of acceptance shall be issued first in favour of the successful tenderer / contractor. After submission of the performance guarantee, the letter of award shall be issued. The contract shall be deemed to have come into effect on issue of letter of acceptance of the tender. On issue of letter of award, the successful tenderer/ contractor shall, within 30 days from such date, formally sign the agreement consisting of:

a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender and as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

b) Standard CPWD W-8 amended.

c) Agreement signed on non-judicial stamp paper as per proforma annexed to CPWD W-8.

Registrar
For & on behalf of the SAMEER
# INFORMATION REGARDING ELIGIBILITY

to be filled up by the Tenderers/ Bidders

<table>
<thead>
<tr>
<th>Sl. no.</th>
<th>Information</th>
<th>Format of submission</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Obligation / Compliance To Be Insured By Contractor</td>
<td>Annexure- “A”</td>
</tr>
<tr>
<td>2</td>
<td>Tax</td>
<td>Annexure- „B“</td>
</tr>
<tr>
<td>3</td>
<td>Indemnity by contractor</td>
<td>Annexure- „C“</td>
</tr>
<tr>
<td>4</td>
<td>Joint Venture Details (if applicable)</td>
<td>Annexure- „D“</td>
</tr>
<tr>
<td>5</td>
<td>Certificate in prescribed format</td>
<td>Annexure- „E“</td>
</tr>
<tr>
<td>6</td>
<td>Letter of Transmittal</td>
<td>Annexure- „F“</td>
</tr>
</tbody>
</table>
LETTER OF TRANSMITTAL

From:

To
The Registrar,
SAMEER

Subject: Submission of bids for the work of .................................................................

Sir,

Having examined the details given in the bid document for the above work, I/we hereby submit the relevant information.

1. I/we hereby certify that all the statement made and information supplied in the enclosed forms A to Hand accompanying statement are true and correct.

2. I/we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.

3. I/we submit the requisite certified solvency certificate and authorize the Executive Engineer..........................to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/we also authorize Incharge.......................to approach individuals, employers, firms and corporation to verify our competence and general reputation.

4. I/we submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible similar works:

<table>
<thead>
<tr>
<th>Name of work</th>
<th>Certificate from</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Certificate:** It is certified that the information given in the enclosed eligibility bid are correct. It is also certified that I / We shall be liable to be debarred, disqualified / cancellation of enlistment in case any information furnished by me / us is found to be incorrect.

Enclosures: Seal of bidder
Date of submission:

Signature(s) of Bidder(s).
FINANCIAL INFORMATION (FORM ‘A’)

I. Financial Analysis – Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last five financial years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

<table>
<thead>
<tr>
<th>Financial years</th>
<th></th>
</tr>
</thead>
</table>

(i) Gross Annual Turn Over on construction works.
(ii) Profit/Loss.

II. Financial arrangements for carrying out the proposed work.

Signature of Chartered Accountant with Seal

Signature of Bidder(s)

FORM "B"

BANKERS’ CERTIFICATE FROM A SCHEDULED BANK

This is to certify that to the best of our knowledge and information that M/s./Shri......................................................... having marginally noted address, as a Customer of our bank are/is respectable and can be treated as good for any engagement upto a limit of Rs...................(Rupees..........................................................)

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature) For the Bank

NOTE
1. Bankers Certificates should be on letter head of the Bank, addressed to tendering authority.
2. In case of Partnership firm, certificate should include names of all partners as recorded with the Bank.
**FORM 'C'**

DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DAY OF SUBMISSION OF TENDERS

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of work/pr project and location</th>
<th>Owner or sponsoring organization</th>
<th>Cost of work in crores of rupees</th>
<th>Date of commencement as per contract</th>
<th>Stipulated date of completion</th>
<th>Actual date of completion</th>
<th>Litigation/arbitration cases pending/in progress with details</th>
<th>Name and address/telephone number of officer to whom reference may be made</th>
<th>Whether the work was done on back to back basis Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Indicate gross amount claimed and amount awarded by the Arbitrator.

Signature of Bidder(s)

**FORM 'D'**

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORMS "C"

1. Name of work/project & location
2. Agreement no.
3. Estimated cost
4. Tendered cost
5. Date of start
6. Date of completion
   (i) Stipulated date of completion
   (ii) Actual date of completion
7. Amount of compensation levied for delayed completion, if any
   (a) Whether case of levy of compensation for delay has been decided or not Yes/No
   (b) If decided, amount of compensation levied for delayed completion, if any
8. Amount of reduced rate items, if any
9. Performance Report
   (1) Quality of work Outstanding/Very Good/Good/Poor
(2) Financial soundness Outstanding/Very Good/Good/Poor
(3) Technical Proficiency Outstanding/Very Good/Good/Poor
(4) Resourcefulness Outstanding/Very Good/Good/Poor
(5) General Behaviour Outstanding/Very Good/Good/Poor

Dated: Executive Engineer or Equivalent

FORM "E"

STRUCTURE & ORGANISATION

1. Name & address of the bidder
2. Telephone no./Telex no./Fax no.
3. Legal status of the bidder (Scan & upload copies of original document defining the legal status)
   (a) An Individual
   (b) A proprietary firm
   (c) A firm in partnership
   (d) A limited Company or Corporation
4. Particulars of registration with various Government Bodies (Scan & upload attested photocopy)
   Organisation/Place of registration Registration No.
   1.
   2.
   3.
5. Names and titles of Directors & Officers with designation to be concerned with this work.
6. Designation of individuals authorized to act for the organization
7. Has the bidder, or any constituent partner in case of partnership firm, limited company / Joint Venture, ever been convicted by the court of Law? If so, give details
8. In which field of Civil Engineering construction the bidder has specialization and interest?
10. Any other information considered necessary but not included above.

Signature of Bidder(s)
(A) Tender for the work of: Submission of documents for participating in “Tendering” for the work of “Supply, Installation, Testing, Commissioning and Maintenance of 13 (884 Kg) Passenger capacity Lift for Facility Block at SAMEER Kharghar Navi Mumbai.

(a) To be submitted 5.00 p.m. Hours on to __________________________

(b) To be opened in presence of tenderers, who may be present at 10.30 hrs Hours on _______________ in the office of P.O. SAMEER, Powai, Mumbai.

Issued to:

______________________________

(Contractor)

Signature of officer issuing the documents

______________________________

Designation:

______________________________

Date of issue:

______________________________

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F, Specifications applicable, drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the SAMEER within the time specified in Schedule ‘F’, viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule – 1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect in accordance with, such conditions so far as applicable.

We agree to keep the tender open for sixty (90) days from the due date of its opening and not to make any modifications in its terms and conditions.

A sum of Rs______________ has been deposited as per NIT as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said Director, SAMEER or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that Director, SAMEER or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the
percentage mentioned in Schedule ‘F’ and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the retendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/ have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering inSAMEER, Mumbai in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall no communicate information/derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated*  
Witness:—_________*  
Postal Address__________

Address:*  
Telephone No______________*

Occupation:*  
E-Mail__________________*

*To be filled by Contractor
ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Director SAMEER for a sum of Rs..........................

(Rupees..................................................................................)

The letters referred to below shall form part of this contract Agreement:

(a)
(b)
(c)

For & on behalf of Director, SAMEER

Signature..........................

Dated..................... Designation.................................
PRO FORMA OF SCHEDULES

SCHEDULE "A"
“Schedule of Quantities” (as per Part-II)

SCHEDULE "B"
Schedule of Materials to be issued to the contractor:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Description of Item</th>
<th>Quantity</th>
<th>Rates in figures &amp; words at which the materials will be charged from the contractor</th>
<th>Place of issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Water For execution</td>
<td></td>
<td>Free of cost</td>
<td>At one place</td>
</tr>
<tr>
<td>2</td>
<td>Electricity For required Item</td>
<td></td>
<td>Free of cost</td>
<td>At one place</td>
</tr>
</tbody>
</table>

SCHEDULE "C"
Tools and Plants to be hired to the contractor:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Description of Item</th>
<th>Place of issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SCHEDULE "D"
Extra schedule for specific requirements/document for the work, if any. - To be intimated later if required.

SCHEDULE 'E'
Tender for the work of: “SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 13 PASSENGER CAPACITY ELEVATORS” FOR Facility Block at SAMEER, Powai Mumbai and Kharghar Navi Mumbai.”

i) Estimated cost of work: Rs. Rs. 42,60,920.00

ii) Earnest money: Rs. Rs. 85,218.00/- (to be returned after receiving performance guarantee)

iii) Performance Guarantee: 5% of tendered value.

iv) Security Deposit: 2.5% of tendered value.

CLAUSE 10 C (Not applicable for this work)
Component of Materials expressed as percent of Total Value of Work “X”
Component of Labour expressed as percent of Total Value of Work “Y”
Component of POL expressed as percent of Total value of Work “Z”

SCHEDULE “F”
GENERAL RULES AND DIRECTIONS
Officers inviting tender Registrar, On behalf of Director General, SAMEER

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2 & 12.3 50%

Definitions

2(v) Engineer-in-charge Civil Engineer SAMEER

2(viii) Accepting Authority Director General SAMEER

2(x) Percentage on cost of materials and Labour to cover all overheads and profit 15 %

2(xi) Standard Schedule of Rates DELHI SCHEDULE OF RATES- 2018 PUBLISHED BY CPWD WITH COST INDEX and MR

2(xii) Department SAMEER

9(ii) Standard SAMEER Contract Form CPWD forms 8 as modified & corrected upto date.
Clause 1
i) Time allowed for submission of Performance Guarantee: From the date of issue of letter of acceptance, from the date of issue of letter of acceptance: - 15 Days
ii) Maximum allowable extension beyond the period provided: 7 Days in i) above in days

Clause 2
Authority for fixing compensation under Clause 2: Director General SAMEER

Clause 5
i) Time allowed for execution of work. Number of days from the date of issue of letter of acceptance for reckoning date of start: Milestone(s) as per table given below:-
07 Days or date of work order whichever is earlier.

Milestone(s) as per table given below:

<table>
<thead>
<tr>
<th>TABLE OF MILE STONES</th>
<th>Time Allowed in days (from date of start)</th>
<th>Amount to be withheld in case of non achievement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission of shop drawings for approval</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply of complete material at site in good condition after approval of shop drawings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Installation of the equipments and accessories at site in good condition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Submission of shop drawings for approval</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply of complete material at site in good condition after approval of shop drawings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Installation of the equipments and accessories at site in good condition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II) Authority to give fair and reasonable extension of time for completion of work.</td>
<td>REGISTRAR SAMEER</td>
<td></td>
</tr>
</tbody>
</table>

Clause 7
Gross value of work to be done together with net payment /adjustment of advances for materials collected, if any, since the last such payment for being eligible to interim payment: N.A.

Clause 11
Specification to be followed for execution of work: General specification for Electrical works (PART-III-LIFTS & ESCALATORS) 2003 AND CPWD Specifications 1996 Volume I to VI with up to date correction slips as on the date of opening of tenders.

Clause 12
12.1.2(ii i) Schedule of rates for determining the rates for additional, altered, or substituted items that cannot be determined under 12.1.2(i) and (ii): DELHI SCHEDULE OF RATES -2018 with COST INDEX PUBLISHED BY CPWD
12.1.2(ii i) Plus/ minus (+ / -) the % over the rate entered in the schedule of rates.
12.2 & 12.3 Limit for value of any item of any individual trade beyond which sub clauses (i) to (v) shall not apply and clauses 12.2 & 12.3 shall apply: 25 % New work However over all completion cost of agreement shall not exceed 1.25 times of tendered amount.

Clause 16
Competent authority for deciding reduced rates: REGISTRAR, SAMEER
## Clause 25

**Competent authority for conciliation**

| REGISTRAR SAMEER |

## Clause 36(i)

<table>
<thead>
<tr>
<th>a) Minimum qualification and experience required for Principal Technical Representative for civil works with estimated cost put to tender:</th>
</tr>
</thead>
<tbody>
<tr>
<td>i) More than Rs. 5 lakhs but less than Rs. 10 lakhs.</td>
</tr>
<tr>
<td>ii) Rs. 10 lakhs &amp; above but less than Rs. 60 lakhs.</td>
</tr>
<tr>
<td>iii) Rs. 60 lakhs and above.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>b) Recovery to be affected from the contractor in the event of not fulfilling the provisions of clause 36(i).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
</tr>
</tbody>
</table>

## Clause 42

<table>
<thead>
<tr>
<th>i) Schedule / statement for determining theoretical quantities of cement &amp; bitumen based on Delhi Schedule of Rates Printed by CPWD with upto date correction slips</th>
</tr>
</thead>
</table>

| ii) Variation permissible on theoretical quantities | N.A. |
|---|
| a) Cement for works with estimated costs put to tender | N.A. |
| i) not more than Rs. 5 lakhs | N.A. |
| ii) more than Rs. 5 lakhs | N.A. |

| b) Steel reinforcement and structural steel sections for each diameter, section, and category. | N.A. |

### Recovery rate for quantities beyond permissible variation

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Description of Item</th>
<th>Rate in Figures and Words at which recovery shall be made from the contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**CIVIL ENGINEER,**

SAMEER
SAFETY CODES

1. Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from ladders. When a ladder is used, an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well suitable footholds and handhold shall be provided on the ladder and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to $1\left(\frac{1}{4}\right)$ horizontal and 1 vertical.

2. Scaffolding of staging more than 3.6 m (12ft.) above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached or bolted, braced and otherwise secured at least 90 cm. (3ft.) high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends there of with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.

3. Working platforms, gangways and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 3.6 m (12ft.) above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as described in (2) above.

4. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of person or materials by providing suitable fencing or railing whose minimum height shall be 90 cm. (3ft.)

5. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9m. (30ft.) in length while the width between side rails in rung ladder shall in no case be less than 29 cm. (11½") for ladder upto and including 3 m. (10 ft.) in length. For longer ladders, this width should be increased at least $\frac{1}{4}$" for each additional 30 cm. (1 foot) of length. Uniform step spacing of not more than 30 cm shall be kept. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites or work shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of defence of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit; action or proceedings to any such person or which may, with the consent of the contractor, be paid to compensate any claim by any such person.

6. All necessary personal safety equipment as considered adequate by the Engineer-in-Charge should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by those concerned.

7. An additional clause (viii)(i) of Central Public Works Department Safety Code (iv) the Contractor shall not employ women and men below the age of 18 on the work of painting with product containing lead in any form, wherever men above the age of 18 are employed on the work of lead painting, the following principles must be observed for such use:

(i) White lead, sulphate of lead or product containing these pigment, shall not be used in painting operation except in the form of pastes or paint ready for use.

(ii) Measures shall be taken, wherever required in order to prevent danger arising from the application of a paint in the form of spray.

(iii) Measures shall be taken, wherever practicable, to prevent danger arising out of from dust caused by dry rubbing down and scraping.

(iv) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.

(v) Overall shall be worn by working painters during the whole of working period.
(vi) Suitable arrangement shall be made to prevent clothing put off during working hours being spoiled by painting materials.
(vii) Cases of lead poisoning and suspected lead poisoning shall be notified and shall be subsequently verified by medical man appointed by competent authority of C.P.W.D PWD(DA).
(viii) C.P.W.D./PWD (DA) may require, when necessary medical examination of workers.
(ix) Instructions with regard to special hygienic precautions to be taken in the painting trade shall be distributed to working painters.

8. Use of hoisting machines and tackle including their attachments, anchorage and supports shall conform to the standards laid down in the safety codes.

9. All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work.

10. These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.

11. To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer or Engineer-in-Charge of the Kharghar, Navi Mumbai and Powai, Mumbai or their representatives.

12. Notwithstanding the above clauses from (1) to (15), there is nothing in these to exempt the contractor from the operations of any other Act or Rule in force in the Republic of India.
Commercial and Additional Conditions

1.0 General

1.1 This specification covers manufacture, testing as may be necessary before dispatch, deliver at site, all preparatory work, assembly and installation, commissioning putting into operation of passenger lift.

1.2 Location

Facility Block at SAMEER Kharghar Navi Mumbai, and FOR Utility cum hostel Building at SAMEER Powai Mumbai.

1.3 The work shall be executed as per CPWD general specifications for electrical works (Part- III Lifts & Escalators-2003) as per relevant IS and as per directions of Engineer-in-Charge. These additional specifications are to be read in conjunction with above and in case of variations; specifications given in this Additional Conditions shall apply. However, nothing extra shall be paid on account of these additional specifications & conditions as the same are to be read along with schedule of quantities for the work.

1.4 The Tenderer should in his own interest visit the site and familiarize himself with the site conditions before tendering.

1.5 No T&P shall be issued by the Kharghar, Navi Mumbai and Powai, Mumbai and nothing extra shall be paid on account of this.

2.0 Commercial Conditions

2.1 Type of Contract:

The work to be awarded by this tender shall be treated as indivisible works contract.

2.2 Submission and opening of Tenders:

2.2.1 The tender is in two parts:

A) Part-I – Technical Cum Commercial Bid

B) Part-II – Price Bid

2.2.2 The tender shall be submitted in 2 different envelopes:

Envelope No. 1: Envelope 1 should consists of two sealed envelope in which one should have EMD & tender processing fee and other should contain Pre-qualification document and techno commercial details.

Envelope No. 2: Financial bid in the BoQ schedule.

2.2.3 The Tenderers are advised not to deviate from the technical specifications/ items, commercial terms and conditions of NIT like terms of payment, guarantee, arbitration clauses, escalation etc.

2.2.4 Qualification requirements specifying financial capacity, technical, minimum acceptable levels with regards to Bidders experience in relevant work and other related factors such as work on hand, other commitments on that time frame and litigation history as given and described will be evaluated first and those qualification criteria will be considered for further evaluation. Technical Proposal, which is not considered substantially responsive, will be rejected. The short listed bidders’ Price bids shall be opened on subsequent date for further evaluation in the presence of the Bidders who choose to attend the opening, which will be appraised on the day of technical bid opening.

2.2.5 Employer reserves the right to alter the mode of selection, accept or reject any or all bids without assigning any reason thereof.
2.2.6 Necessary clarification required by the client shall have to be furnished by the Tenderer within the time given by the client for the same. The Tenderer will have to depute his representative to discuss with the officer(s) of the SAMEER and when so desired. In case, in the opinion of the SAMEER is taking undue long time in furnishing the desired clarifications, his bid will be rejected without making any reference.

2.2.7 The Employer will open Bids of all the bidders in the presence of Bidders representatives who choose to attend the opening in the office of Purchase officer, SAMEER, Mumbai.

2.2.8 The Tenderer will have to fill up their rates only in the price bid (Part- II of tender). Tenders in which the price bids are given in any other format are liable to be rejected.

2.2.9 In the price bid, there shall be NO conditions whatsoever. In case any tenderer mentions any condition including conditional rebates in their price part, tender shall be rejected forthwith.

A tenderer will also not be allowed to withdraw or modify any condition at a time after the technical bids have been accepted and the decision to open the price bid has been taken by the SAMEER.

2.2.10 SAMEER, Mumbai reserves the right to reject any or all the price bids and call for fresh prices/ tenders as the case may be without assigning any reason.

2.2.11 Shop drawings;

The Contractor shall submit GA drawings of Lift System to Engineer-in-Charge for approval before commencement of work at site/fabrication/ manufacture. Shop drawings made on AutoCAD and colored prints, coordinated with other works, shall incorporate elevator manufacturer details and dimensions to ensure that same can be installed in space provided. Facilities for proper maintenance repair and replacement of the equipment shall be clearly shown in the drawings. The coordinator shall also ascertain that facilities provided by other agencies in the form of space, access, lighting, ventilation and the like proposed / provided are adequate. The shop drawing shall be got approved from the Engineer-in-charge before under-taking manufacturing / fabrication / installation activities.

3.0 Terms of Payment:

Payments shall be released as per General Conditions of contract and the following conditions. All interim payments shall have deductions towards advances and other contract conditions.

- **70 %** of the value indicated against each item of work shall be made after delivery at site in good condition on pro-rata basis subject to deductions to be made against advances and security deposit.
- **20 %** of the value indicated against each item of the work shall be made after installation of the equipments and accessories at site in good condition and on giving successful trial run at site.
- **10%** on completion of testing, commissioning statutory approval and handing over to the SAMEER for use.

The selected bidder has to deposit the security deposit also. The security deposit shall be collected by deductions from the running bill of the contractors a sum @ 2.5% of the gross amount of the bill and shall be deducted from each running bill as well as final bill of the contractor. Such deductions shall be made unless the contractor has deposited the amount of security at the rate mentioned in Government securities or Fixed Deposit Receipts. This is in addition to the performance guarantee that the contractor is required to deposit.

4.0 Rates:

4.1 Subject to the nomenclature of the item as per schedule of quantities, the specification indicated in the tender documents, the rates quoted shall include all taxes duties and levies and all charges for packing forwarding, insurance, freight and
delivery, installation, testing, commissioning at site, cost of all materials including royalty and taxes if any, labor, sundry inputs, execution of work at all heights, levels, pattern and design for all leads, lifts and depths including overhead charges and contractor’s profit. Nothing extra shall be paid on this account.

4.2 The contractor has to carry out routine & preventive maintenance for 12 months (Defect liabilities period) from the date of handing over after completion of work. Nothing extra shall be paid towards maintenance.

5.0 Completeness of tender:

All sundry equipment, fittings, units assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespectively of the whether such items are specifically mentioned in the tender document or not.

6.0 For items/equipments requiring initial inspection at manufacturer’s works the contractor will intimate the date of testing of equipment at the manufacturer’s works before dispatch. The SAMEER also reserves the right to inspect the fabrication job at factory and the successful tenderer has to make the arrangement for the same. The successful tenderer shall give sufficient advance notice regarding the dates proposed for such tests/inspection to the SAMEER, Mumbai representative(s) to facilitate his presence during testing/fabrication. The Engineer-in-Charge at his discretion may witness such testing/fabrication. The cost of the Engineer’s visit to the factory will be borne by the SAMEER, Mumbai. Also equipment may be inspected at the manufacturer’s premises, before dispatch to the site by the contractor.

7.0 The lift machine room may be used for storage of sundry material and erection equipments if available or else the agency has to make his own arrangement. No separate storage accommodation shall be provided by the SAMEER Mumbai. Watch and ward if the stores and their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the SAMEER Mumbai.

8.0 Completion Period:

The completion period of 06 (six) months indicated in the tender document is for the entire work of planning, designing, supplying, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-in-Charge.

9.0 Performance Guarantee:

The successful tenderer, after award of work will be referred to as the contractor, shall deposit an amount equal to 5% of the tendered and accepted value of the work (without limit) as performance guarantee in one of the following forms:

(i) Government securities.

(ii) Fixed Deposit Receipt (FDR) of a Scheduled Bank.

(iii) An irrevocable bank guarantee bond of any scheduled bank or the State Bank of India in the prescribed form given in Annexure within a period ranging of 10 days of issue of the letter of acceptance. This period can be further extended at the written request of the contractor by the Engineer-in-charge for a maximum period of 15 days with late fee @ 0.1% per day, of performance guarantee amount. The letter for commencement of work shall be issued to the contractor only after he/she submits the performance guarantee in an acceptable form.

10.0 Guarantee:

All equipments shall be guaranteed for a period of 12 months from the date of taking over the lift by the Society against unsatisfactory performance and/or break down due to defective design, workmanship of material. The equipments or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the Society that undue delay is
being caused by the contractor in doing this, the same will be got done by the Society at the risk and cost of the contractor. The decision of the Engineer-in-Charge in this regard shall be final.

11.0 **Power Supply:**

Electric service connection of 415V, 3 Phase, 4 wires, 50 Hz, AC supply shall be provided by the Society for installation purpose free of charge.

12.0 **Water Supply:**

Water supply shall be made available by the Kharghar, Navi Mumbai and Powai, Mumbai at one point.

13.0 **Data Manual and Drawings to be furnished by the Tenderers:**

13.1 **With Tender:** The tenderer shall furnish along with the tender, detailed technical literature, pamphlets and performance data for appraisal and evaluation of the offer.

13.2 **After Award of work:** The successful tenderer would be required to submit the following drawings within 15 days of award of the work for approval before commencement of installation.

   a) All general arrangement drawings.

   b) Details of foundations for the equipment, load data, location etc. of various assembled equipments as may be needed generally by other agencies for purpose of their work.

   The data will include breaking load on guides, reaction of buffers on lift pits reaction on support points in machine room, lift well etc.

   c) Complete layout dimensions for every unit/group of units with dimensions required for erection purpose.

   d) Any other drawings/information not specified above but deemed to be necessary for the job by the contractor.

14.0 **Completion documents**

The contractors shall submit following documents

   a. Three sets of operation and maintenance manual with support drawings after completion of work.

   b. 3 sets of routine and type test certificates of the equipments carried out at the manufacturers premises and pre-commissioning tests carried out at site.

   c. 3 sets of as built “Completion” drawings.

   d. Government License for operating the lift

15.0 **Extent of work:**

15.1 The work shall comprise of entire labor including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning as may be required by the institute. The term complete installation shall not only mean major items of the plant and equipments covered by specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in details in the tender document in connation with this contract.

15.2 Minor building works necessary for installation of equipment, foundation, making of opening in walls or in floors and restoring to their original condition, finish and necessary grouting etc. as required.
15.3 Maintenance (Routine & preventive) for One year from date of completion and handing over.

15.4 The work is turn key project. Any item required for completion of the project (like ELCB/RCCB/Isolators/MCBs/Fuses and any other items) but left-inadvertantly shall be executed with-in the quoted rates.

16.0 After completion of the work in all respect the contractor shall offer the installation for testing and operation.

17.0 Validity

The bid shall remain valid for a period not less than Ninety (90) days after the deadline for submission of bid.

18.0 COMPLIANCE WITH REGULATIONS AND INDIAN STANDARDS

18.1 All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by these specifications. In particular, the equipment and installation will comply with the following:

(i) Factories Act.
(ii) Indian Electricity Rules
(iii) I.S.& BS Standards as applicable
(iv) Workmen's compensation Act
(v) Statutory norms prescribed by local bodies like BMC, Government of Maharashtra.
vi) Any other statutory approvals/norms as required

18.2 Nothing in this specification shall be construed to relieve the successful tenderer of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.

18.3 Successful tenderer shall arrange for compliance with statutory provisions of safety regulations and owners requirements of safety codes in respect of labour employed on the work by the tenderer.

STATUTORY APPROVALS;

The Contractor shall submit required applications, drawings, etc., to the corporation, lift inspector, electrical inspector, factory inspector and/or any other statutory authority and obtain their approval, licenses and/or sanctions. Obtaining approval from Lift inspector and NOC from MSEB for satisfactory installation of the lift system as also for clearance to put the lift into regular use. Obtaining any other statutory permission/clearance/approval from concerned authority as required. Pay any licensing fee/submission fee/inspection fee payable to statutory authorities for obtaining above approvals. Final completion certificate shall be obtained by the Contractor from all statutory authorities to enable the lifts to be commissioned for utilization. The work shall not be deemed to have been completed until the above approval, certificates, etc., have been obtained by the Contractor.

nothing extra shall be paid for this.

19.0 INDEMNITY

The successful tenderer/bidder shall at all times indemnify the SAMEER Mumbai, consequent on this works contract. The successful tenderer/bidder shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the SAMEER, Mumbai shall not be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer/bidder in so far as the latter is responsible. The successful tenderer/bidder shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer/bidder due to the above
20.0 Coordination with other agencies

The elevator Contractor shall be responsible to coordinate the work of elevator installation with other agencies working at site. The elevator Contractor shall have to carry out changes / modifications, if any, required due to lack of coordination with other agencies at his cost.

21.0 Mobilization advance:

No mobilization advance shall be paid for this work.

22.0 Insurance and storage:

All consignment are to be duly insured upto the destination from warehouse to site of work at the cost of the suppliers. The insurance covers shall be valid till the equipment is handed over duly installed, tested and commissioned.

23.0 Verification of correctness of equipment at destination

The contractor shall have to produce all the relevant records to certify that the genuine equipment from the manufacturers has been supplied and erected.

24.0 Painting:

This shall include cost of painting of entire exposed iron work complete in the installation. All equipment works shall be painted at the works before dispatch to the site.

25.0 Training:

The scope of works includes on job technical training of two persons at site. Nothing extra shall be payable on this account.

26.0 Maintenance:

26.1 Sufficient trained and experienced staff shall be made available to meet any exigency of work during the guarantee period of one year from the handing over of the installation, after completion of the work.

26.2 The maintenance routine as well as preventive maintenance for one year from the date of taking over the installation as per manufacturers recommendation shall be carried out and the record of the same shall have to be maintained.

27.0 Interpreting specifications

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions:

a) Schedule of Quantity
b) Technical specifications
c) Drawings (if any)
d) General Specifications
e) Relevant IS or other international codes in case IS code is not available.

28.0 A separate supplementary agreement shall be made with the successful tenderer for Comprehensive Maintenance for 5 years after guarantee period of 1 year. The payment for comprehensive maintenance shall be made quarterly after the end of each quarter.
TECHNICAL SPECIFICATION FOR LIFT WORKS

1.0  LIFT COMPONENTS:

The electric lift shall comprise of the following equipment and auxiliaries, but not be limited to:

1.1  Permanent magnet motor.
1.2  Microprocessor based, simplex/duplex, selective collective control with ACVVF drive with remote monitoring facility & closed loop control using speed encoder on the motor.
1.3  Traction sheave.
1.4  Regenerative machine brakes.
1.5  Suspension ropes/flat PU belts and their fixtures, as per manufacturer's standard. Counterweight and counterweight frame, guides, guide shoes, fixtures.
1.6  Lift car complete with car frames, enclosure, platform guide shoes, fixtures, car operating panel.
1.7  Car guides and fixtures.
1.8  Car doors.
1.9  Landing doors with locking device.
1.10 Car buttons in landing.
1.11 Safety gears.
1.12 Governors.
1.13 Spring Buffers.
1.14 Electric control panels.
1.15 Car operating and indicating equipments.
1.16 Electric inter lock devices for landing & car doors.
1.17 Terminal stopping & final limit switches.
1.18 Wiring.
1.19 Anchor bolts, base plates, nuts, inserts, sleeves, clips, clamps, rails, miscellaneous joints, screws etc.
1.20 Car lights.
1.21 Car fans
1.22 Built in emergency light & alarm unit.
1.23 Intercom (Hands free type)
1.24 Car trailing cables
1.25 Any other parts or components necessary for efficient operation of the lift
1.26 Transportation of equipment to site.
1.27 Site erection, testing & commissioning.
1.28 All other work except bring power cable and main earthing leads and terminating in a suitable SFU/board provide by lift contractor.
2.0 DESIGN REQUIREMENTS:

1:-Lift no -1 ANNEXURE I TO TENDER NO. SMR/MANT/GN040/2020 L/PT

1. Description of the item: a) Thirteen Passengers (884 Kgs) Machine Room Less (MRL), 1 + 2 Floors Lift. – 1 No

Place for installation:- SAMEER, Sector -7, C.B.D., Belapur Kharghar Navi Mumbai.

2. The work involves as follows. Design, manufacture, assembly, shop testing, properly packed, delivery, erection, testing and commissioning at SAMEER site of thirteen passengers (884Kg) Lift of V V V F controlled with energy efficient motor. The car door and car control panel with solar finish and corner panels and all the hall doors are with honeycomb finish stainless steel sheet.

3.1. CONSTRUCTION DETAILS FOR PASSENGER LIFT

<table>
<thead>
<tr>
<th>S.no</th>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Building</td>
<td>Lift - I (Facility Building)</td>
</tr>
<tr>
<td>2</td>
<td>Type / Service</td>
<td>Passenger Lift</td>
</tr>
<tr>
<td>3</td>
<td>No. Of Lifts required</td>
<td>1 No</td>
</tr>
<tr>
<td>4</td>
<td>Load</td>
<td>13 Passengers, 884 kg</td>
</tr>
<tr>
<td>5</td>
<td>Car Speed</td>
<td>1.0 m/s</td>
</tr>
<tr>
<td>6</td>
<td>Travel a) ) Ist landing</td>
<td>Ground floor, 3.20 Metre</td>
</tr>
<tr>
<td></td>
<td>b) II nd landing</td>
<td>6.40 Metre</td>
</tr>
<tr>
<td></td>
<td>c) IIIrd landing</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>No. of Stops served</td>
<td>Ground &amp; 2 upper floors, 3 stops, 3 levels, 3 openings</td>
</tr>
<tr>
<td>8</td>
<td>Method of control</td>
<td>Microprocessor Based Simplex Selective Collective control with closed loop control system with / without Attendant</td>
</tr>
<tr>
<td>9</td>
<td>Control</td>
<td>Microprocessor Based Simplex collective control closed loop control system with / without Attendant</td>
</tr>
<tr>
<td>10</td>
<td>Position of machine room</td>
<td>Machine room less – gearless</td>
</tr>
<tr>
<td>11</td>
<td>Size of lift well</td>
<td>1890 mm (6 x 2”) (L) x 2720 mm (8” x 11” ) (B) approx.</td>
</tr>
<tr>
<td>12</td>
<td>Pit depth lift well</td>
<td>1600mm</td>
</tr>
<tr>
<td>13</td>
<td>Internal size of car Platform</td>
<td>Clear internal depth: 1100 mm Clear Internal Width: 2000 mm Entrance door Width: 900 mm</td>
</tr>
<tr>
<td>14</td>
<td>Landing Entrance</td>
<td>Front only</td>
</tr>
<tr>
<td></td>
<td>a) Car open</td>
<td>In front only</td>
</tr>
<tr>
<td></td>
<td>b) Size, type of doors operation</td>
<td>900 mm wide x 2000mm height, vandal proof Stainless. Steel, centre opening, horizontal sliding door having self closing facility and emergency key opening facility at all landings. The landing door and car door are mechanically inter-connected so as to open or close simultaneously.</td>
</tr>
</tbody>
</table>
2:- Lift No -2 ANNEXURE II TO TENDER NO. SMR/MANT/GN040/2020 L/PT

1. Description of the item:  a) Thirteen Passengers (884 Kgs) Machine Room Less (MRL), 1 + 4Floors Lift. – 1 No

Place for installation:- SAMEER, IIT Campus, Powai, Mumbai.

2. The work involves as follows.
Supply, assembly, shop testing, properly packed, delivery, erection, testing and commissioning at SAMEER site of thirteen passengers (884Kg) Lift of VVVF controlled with energy efficient motor. The car door and car control panel with solar finish and corner panels and all the hall doors are with honeycomb finish stainless steel sheet.

3. CONSTRUCTION DETAILS FOR PASSENGER LIFT

<table>
<thead>
<tr>
<th>S.no</th>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Building</td>
<td>Lift - I (Utility cum hostel Building)</td>
</tr>
<tr>
<td>2</td>
<td>Type / Service</td>
<td>Passenger Lift</td>
</tr>
<tr>
<td>3</td>
<td>No. Of Lifts required</td>
<td>1 No</td>
</tr>
<tr>
<td>4</td>
<td>Load</td>
<td>13 Passengers, 884 kg</td>
</tr>
<tr>
<td>5</td>
<td>Car Speed</td>
<td>1.0 m/s</td>
</tr>
<tr>
<td>6</td>
<td>Travel a) ) 1st landing</td>
<td>Ground floor</td>
</tr>
<tr>
<td></td>
<td>b) II nd landing</td>
<td>4.0 Metre</td>
</tr>
<tr>
<td></td>
<td>c) IIIrd landing</td>
<td>8.0 Metre</td>
</tr>
<tr>
<td></td>
<td>d) IVth Landing</td>
<td>11.0 Metre</td>
</tr>
<tr>
<td></td>
<td>e) Vth Landing</td>
<td>14.0 Metre</td>
</tr>
<tr>
<td></td>
<td>f) VI th landing</td>
<td>17.0 Metre</td>
</tr>
<tr>
<td>7</td>
<td>No. of Stops served</td>
<td>Ground &amp; 4 upper floors, 5 stops, 5 levels, 5 openings</td>
</tr>
<tr>
<td>8</td>
<td>Method of control</td>
<td>Microprocessor Based Simplex Selective Collective control with closed loop control system with / without Attendant</td>
</tr>
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<td>9</td>
<td>Control</td>
<td>Microprocessor Based Simplex collective control closed loop control system with / without Attendant</td>
</tr>
<tr>
<td>10</td>
<td>Position of machine room</td>
<td>Machine room less – gearless</td>
</tr>
<tr>
<td>11</td>
<td>Size of lift well</td>
<td>1890 mm (6 x 2&quot;) (L) x 2720 mm (8” x 11&quot;) (B) approx.</td>
</tr>
<tr>
<td>12</td>
<td>Pit depth lift well</td>
<td>1600mm</td>
</tr>
<tr>
<td>13</td>
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<td>Clear internal depth: 1100 mm Clear Internal Width: 2000 mm Entrance door Width: 900 mm</td>
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<td>14</td>
<td>Landing Entrance</td>
<td>Front only</td>
</tr>
<tr>
<td></td>
<td>a) Car open</td>
<td>In front only</td>
</tr>
<tr>
<td></td>
<td>b) Size, type of doors operation</td>
<td>900 mm wide x 2000mm height, vandal proof Stainless. Steel, centre opening, horizontal sliding door having self closing facility and emergency key opening facility at all landings. The landing door and car door are mechanically inter-connected so as to open or close simultaneously.</td>
</tr>
<tr>
<td>1</td>
<td>Construction Design &amp; finish of car body</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>------------------------------------------</td>
<td></td>
</tr>
</tbody>
</table>

Unless inconsistent with this specification, the Supplier’s Standard or usual construction is desired. The equipment shall be capable of safe, proper and continuous operation. Drawings showing the lift well structure along with elevations of different landing openings, machine room and pit dimensions will be issued by the purchaser at the time of placing order.

Lift car (with voice synthesizer floor announciator with light music). The car shall be freely sized to accommodate 13 passengers average weight of 884 kgs. The platform shall consist of a structural steel frame covered with sheet steel on the underside. Solid vinyl tile flooring not less than 5 mm thick, of design, colour and quality approved by the purchaser shall be laid on the 2 mm thick as half felt, fixed on the car platform.

Top of car shall be designed to support weight of three persons. (300 kg total weight in addition to the equipment placed on it)

The car enclosure shall be of furniture grade sheet stainless steel Honeycomb finish and panel not lighter than 16 SWG smooth and free of defects. The panel shall be in three piece vertically from floor to soffit.line, securely bolted together or to adjoining members with formed, light proof joints and suitably reinforced to provide proper rigidity.

Hand rail and kick plate of stainless steel construction shall be provided on rear and side panel (except COP panel). The car enclosure including the door shall be furnished as said above. An approved recessed cabinet furnished with provision for holding a telephone shall be provided.

Car center opening doors in stainless steel brush hairline finish (with vision panel). The doors shall have automatic opening and closing feature. Doors shall be provided with infrared door detector and have a clear opening of 900 mm wide and 2.0 mtr. High when full open.

Landing center opening doors with stainless steel brush hairline finish (with vision panel) The doors shall have automatic opening and closing feature in association with car doors. Doors shall be provided with rubber buffers and have a clear opening of 900 mm wide and 2.0 mtr. High when full open. Car will open in front only.

Car inside surface shall be made of imported vandal proof Stainless steel panels (min. 1 mm thick), flooring with PVC tiles of granite finish (design), mirror polished stainless steel false ceiling with decorative lights, pressure type fan for ventilation, scrolling /digital floor position indicators. (The pattern on the ceiling shall be decided by the Engineer in charge)
<table>
<thead>
<tr>
<th>2</th>
<th>Car entrances</th>
<th>One No. 900 mm wide X 2000mm High brush hairline finish proof stainless steel Grade 304, 18 SWG thick power operated automatic centre opening horizontal sliding door. The car and the door shall be provided with sensitive reopening arrangements with full length infra red curtain which are likely to come in contact with persons entering or coming out of the car and with door pressure limiter as secondary door safety.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Car light</td>
<td>Decorative lights to get sufficient lighting</td>
</tr>
<tr>
<td>a)</td>
<td>Call indicator</td>
<td>In the car operating panel</td>
</tr>
<tr>
<td>b)</td>
<td>Position indicator in car</td>
<td>Above the car door</td>
</tr>
<tr>
<td>c)</td>
<td>Landings:</td>
<td>UP/ DOWN direction arrow indicators. Two luminous push buttons are to be provided for intermediate landings and single push button for terminal landings with call direction indicators, digital car position indicator on this landing panel.</td>
</tr>
<tr>
<td>4</td>
<td>Leveling device</td>
<td>As per 2.31.1 of IS 1860-1980</td>
</tr>
<tr>
<td>5</td>
<td>Machine room &amp; Machinery</td>
<td>The machine shall be integral mono-block geared traction type designed for heavy duty and suitable for lift operation. Sound reducing materials preferably rubber pads shall be provided under elevator machine.</td>
</tr>
<tr>
<td>6</td>
<td>a) Battery and battery charger</td>
<td>One set of battery of suitable capacity to operate ARD and other essential controls with trickle charger at machine room.</td>
</tr>
<tr>
<td>b)</td>
<td>Emergency light</td>
<td>Emergency light (Battery operated) in car (Minimum 200 lux)</td>
</tr>
<tr>
<td>C)</td>
<td>Emergency alarm bell</td>
<td>Emergency alarm bell (Battery Operated) at ground floor</td>
</tr>
<tr>
<td>7</td>
<td>Fire Switches</td>
<td>Fire switches as per IS may be provided to enable the fire authority to take over the complete control of the lift in case of emergency.</td>
</tr>
<tr>
<td>8</td>
<td>Lighting &amp; Ventilation</td>
<td>Lighting fixtures of approved type and quality shall be provided in the car to provide adequate lighting in the car. Suitable outlets shall be provided on the top and bottom of the lift car to install a hand lamp during maintenance. Ventilating Axial fan of adequate size with decorative and protective grill shall be provided in the car.</td>
</tr>
<tr>
<td>9</td>
<td>Telephone outlet</td>
<td>Suitable trailing cable for telephone shall be supplied and installed by the supplier. The telephone instruments will be supplied by the supplier.</td>
</tr>
<tr>
<td>10</td>
<td>Counter weight</td>
<td>Counter weight shall consist of cast iron weights contained in a structural frame and shall be equal to the weight of the car plus approximately 45% of the car load. Provided in a structural steel frame as per clause 14 of IS 14665(Part4/sec.1to9):2001.</td>
</tr>
<tr>
<td>11</td>
<td>Terminal Buffers</td>
<td>Terminal buffers shall be installed as a means of stopping the car and counter weight at the extreme limits of travel and shall be spring or oil buffers. Buffers</td>
</tr>
</tbody>
</table>
12 Guide rails and Guides

Guide rails of the car and counter weight shall comprise steel tees and grooved at the ends and securely fastened to the hoist way framing by heavy steel brackets. Car top and counter weight frames shall be provided with suitable lubricating system. The guide rails of the lift shall be fastened to the shaft way framework and concrete inserts at 2 to 3 metres intervals. Adequate packings shall be supplied by the supplier. Suitable embedment for anchoring the guide rails shall be supplied by the supplier well in time. Automatically lubricated adjustable cast iron type guide shoes or nylon zips to sit the guide rails shall be provided two at the bottom and two at the upper ends of the cage and counter weight.

13 Protection safety

All protective and safety devices as per relevant Indian standards shall be provided. Certain specific requirements are:
- Spring type buffer.
- Emergency loud-toned alarm to be installed outside the lift well in ground floor and connected to the designated push button in the car.
- Emergency light in the car wired to a self-contained battery charger unit which shall be so arranged that in case of AC lighting failure, the Emergency light comes on automatically. The unit shall be mounted on the car in a suitable location so that it can be easily tested and served.
- Provision shall be made in the car for a telephone which will be supplied by the supplier. The supplier shall supply and install the telephone trailing cable and fixed wiring so that the telephone outlet box is located in the machine room.

14 Lift control and operation

The lift shall have variable voltage & variable frequency control. The lift car will be raised and lowered by the AC motor. The brakes shall be applied on the de energized condition of the motor. Resistance controls are not acceptable. Method of operation shall be selective-collective automatic with provision for attendant control. Leveling device shall be two way, automatic and maintaining type having highest possible accuracy.

The car shall be provided with push button station, comprising of buttons for each landing, one button for holding the car and landing doors open and one button for emergency alarm.

Switches for car light, fan, for change over to passenger and attendant operation and for emergency stop shall be provided in the car.

For facility of attendant operation, call indicator for up and down travel shall be provided in the car. Each intermediate landing shall have only two appropriate
| 15 | Safety Gears | The lift shall be provided with safety gear attached to the car frame or preferably placed below the car platform. One safety gear shall be operated by means of a centrifugal speed gravity type governor. The safety gear shall stop and sustain the car in the event of the car exceeding a predetermined speed in the downward direction. If the lift car strips out of the ropes or rope snapping the safety gear shall apply independent of the speed action of the governor. When the car safety gear is applied no decrease in the tension of any rope used for applying the safety gear will release the safety gear. The bearing used for safety operating mechanism shall be of corrosion resistant construction. The governors shall meet the requirements of IS : 1860 As Per IS14665 (Part4/sec.1 to 9):2001 |
| 16 | Over speed Governor | As per IS14665 (Part4/sec.1 to 9): 2001 |
| 17 | Ropes | The hoist ropes shall be of traction steel of suitable size and construction for proper operation. Ropes shall be lubricated with an approved type of lubricant. The suspension wire ropes shall conform to IS: 2365. More than two independent wire ropes shall be used for cage and counter weight with traction drive and each of the drum drives and wire ropes shall be fixed independently to cage and counter weight. Factor of safety for normal working to be taken as 10. Hoisting suspension ropes as per IS As per IS14665 (Part4/sec.1to9):2001 |
| 18 | Reverse phase and phase failure relay | Reverse phase & phase failure relay shall be provided to protect the machine against reversal and failure of any phase. |
| 19 | features | Speed 1 meter/second Multi-ray entrance protection system-Invisible multi ray infra red beam. Automatic rescue device, Overload warning feature, Capacity indicator Voice synthesizer, Automatic car fan switch off, Handrails -stainless steel in mirror finish, Scrolling Dot matrix display in car and in all the landing floors, |
Landing fixture-Soft touch response-The hall panel has combined indicator and direction arrows. Elegantly flush-mounted on the wall. Stainless steel car operating panel – one-touch micro-stroke transparent buttons with illuminated LED, Anti-glare lens cover for the display on the car position indicator. Ventilation- Axial fans to generate airflow, Flooring-Vinyl flooring Car Ceiling - Powder coated frames and highly polished mirror finish stainless steel panels with compact fluorescent lamps for down lighting.

<p>| 20 | Load weighing device | Elevator shall be provided with load weighing device with features like full load by pass function (80% loading) for landing calls and overload indicator and announcement in the car in case the car is loaded more than 110% of the rated load. This will ensure that the doors will not close in case the loading is more than 110%. |
| 21 | Steel Ladder | A Steel ladder should be provided in the pit |
| 22 | Wiring | The wires and cables required for the complete installation with all accessories, such as conduits, clamps, brackets, etc. shall be furnished. This includes the wiring from the point of supply for lift drives, controls, indicators, trailing cables and other internal wiring to the car. Separate trailing cables for the alarm and telephone circuits shall be furnished. The minimum size of wire for panel wiring shall be of 1.5 sq.mm copper conductor covered by 660 / 1100 V grade synthetic flame retarding insulation. All other wirings shall be FRLS insulated type and shall run in the galvanized conduits or “PILCA” flexible conduits. Each terminal block shall be one piece moulded, barrier type 650 V grade complete with identification strip. Each terminal shall have adequate continuous current rating. Each terminal shall have only one wire terminated on it. The trailing cable for telephone shall be to the purchaser’s approval to suit the type of telephone installation |
| 23 | Control Panels | The control panels shall be fixed in the Machine room and in front side wall for MRL lift. The controller should be of modular type, the drive is the variable frequency and variable voltage type |
| 24 | Earthing | The equipment supplied shall be earthed with the following arrangement as per provisions of Indian Electricity Rules. The equipment grounding the following sizes of standard soft drawn tinned copper conductor shall be used. The grounding pads and clamps provided shall be suitable for these conductors. Machines of rating upto 20 KW – 2 Nos. 8 SWG. Control panel – 2 Nos. 8 SWG. Two independent ground pads at appropriate ends shall be provided on the frame of the motor, winding machine, the frame of the control panels etc. |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>The exposed metal parts of electrical apparatus installed on a lift car shall be sufficiently bonded and earthed.</strong>&lt;br&gt;One side of the secondary winding of all transformers and their cases shall be earthed.&lt;br&gt;Flexible and screwed conduits shall be properly earthed.</td>
<td></td>
</tr>
<tr>
<td><strong>25</strong> Power Supply</td>
<td></td>
</tr>
<tr>
<td>a) Electrical supply</td>
<td>415V/440VA/C, 50 HZ, 3-Phase 4-system</td>
</tr>
<tr>
<td>b) Auxiliary required</td>
<td>220V, single phase, 50 HZ, A/C</td>
</tr>
<tr>
<td><strong>26</strong> Spares, Instructions manuals &amp; Drawings</td>
<td>The successful bidder shall furnish the following drawings in triplicate within 20 days from placement of purchase order.&lt;br&gt;Plan showing the details of cut outs required for the machine room floor slab, loading of floor slab and details or hooks and other lifting arrangements required at the roof slab of machine room&lt;br&gt;Foundation requirements.&lt;br&gt;Plan elevation and cross section of lift car specifying the clearances required all around. Guide rail and other support fixing details in the lift well and indicating the probable load thrust.&lt;br&gt;The following drawings shall be submitted in triplicate for approval before commencing manufacture of the lift. Any modifications suggested while approving the drawing will be incorporated by the supplier.&lt;br&gt;Schematic and wiring diagrams of the lift control indicating the rating and function of all components/equipment.&lt;br&gt;Detailed dimensional drawing of all mechanical components used in the lift assembly like gears, brakes, buffers springs, etc., with their specifications.&lt;br&gt;Operating instruction/maintenance manuals will be furnished in quadruplicate along with the lift. Spare part numbers and other data necessary for ordering the components will be incorporated in the manual along with representative diagrams indicating their locations.&lt;br&gt;The operating instructions will be detailed enough for easy comprehension and will be supplemented by a trouble shooting chat.&lt;br&gt;All necessary spare required for two years normal Maintenance and a set of tool kit shall be provided i/c operation and maintenance manual and special instructions if any for care and maintenance during lift operation.</td>
</tr>
<tr>
<td><strong>27</strong> Guarantee &amp; Free Maintenance</td>
<td>Supply firm shall give a guarantee of at least Twelve months from completion of the work against any material/manufacturing defects and shall include normal maintenance for a period of twenty four months in their offer which periodical inspection of lift, general cleaning, milling, greasing adjustment and checking of</td>
</tr>
</tbody>
</table>
| 28 | Painting | All steel parts shall have a coat of red oxide primer and all bright parts shall be given a coat of rust preventive solution before dispatch. The finish paint, the type and colour of which shall require the purchaser’s approval shall be applied by the contractor after completion of erection.

All exposed metal parts especially iron parts shall be painted with 2 coats of approved synthetic enamel paint after 2 coats of synchromate primer after erection and before commissioning the lift. |

| 29 | Inspection and testing at manufacturer’s works & Site | All the material and equipment used shall be new and of tested quality. Where co-relating tests/mill certificates are not available the supplier shall conduct all tests required to ensure that the material/equipment furnished conforms to requirements of the specification and in compliance with the Standards and codes and the test certificates shall be produced. All welding shall be conducted in accordance with the relevant standards / code listed under Clause 1.4 by qualified welder.

The particulars and the procedures of the particulars tests shall be submitted to purchaser for approval before carrying out the tests.

After assembly and erection at site, all routine and load test shall be carried out before it is put into normal service.

The reports of these tests shall be submitted to the purchaser along with manufacturer’s Test Certificates for the electrical and mechanical equipment. |

| 30 | General | Suitable scaffolding in the hoist way and cutting work etc. shall be done by the supplier only. All minor bldg works if any required shall also be provided. |

| 31 | Standards | The Supply, inspection, installation, testing and commissioning of 10 passenger (800Kg) geared machine room / MRL Elevator with Center opening doors. The equipment covered by this specification shall, unless specifically stated otherwise, conform to the latest editions of the Standards and Codes (including all addendum) mentioned below:

i) IS 4666 − Specification for Electric passenger and goods lifts.

ii) IS 1860 − Code of practice for installation, operation and maintenance of electric passenger and good lift.

iii) IS 3534 − Outline dimensions for electric lifts.

iv) IS 2365 − Specification for steel wire suspension ropes for lifts and hoists.

v) IS 1173 − Hot rolled and slit steel tee bars

vi) IS 4280 − Specification for lift cables.


viii) IS 325 − Three phase induction motors.

ix) IS 4029 − Guide for testing of three phase induction |
motors.
x) IS 4722 – Specification for rotating electric machines.
xii) IS 14665 – Electric Traction Lifts (Par 1 – Part 5) (latest)

The following additional standards shall be applicable if manufacture or assembly of the lift involves welding:
i) IS 800 – Code of practice for use of structural steel in general welding construction.
ii) IS 814 – Covered electrodes for metal arc welding for mild steel.
iii) IS 816 – Code of practice for use of metal arc welding for general construction in mild steel.
v) IS 1181- Qualification tests for metal arc welder.

All electrical work involved shall be carried out in accordance with the provisions of Indian Electricity Act 1910 and the latest provisions of the Indian Electricity Rules. All the materials used shall be of tested quality and shall comply with Indian Standard Specification wherever such standards exist. Where the material has not been specified and/or appropriate Indian Standard Specifications does not exist, the Tenderer shall specify the material in details and it shall have to be got approved by the purchaser.

<table>
<thead>
<tr>
<th>32</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All the lift equipment &amp; installation shall conform to the following ISI Standard amended up to date.</td>
</tr>
<tr>
<td>a)</td>
<td>safety rules</td>
</tr>
<tr>
<td>b)</td>
<td>Installation operation and maintenance</td>
</tr>
<tr>
<td>c)</td>
<td>Out line dimensions</td>
</tr>
<tr>
<td>d)</td>
<td>Lift cables</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>As per IS14665(Part3/sec.1t &amp;2):2000</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>As per IS14665 (Part2/sec.1t&amp;2):2000</td>
</tr>
<tr>
<td></td>
<td>As per IS14665 (Part1):2000</td>
</tr>
<tr>
<td></td>
<td>As per IS4289-1967</td>
</tr>
</tbody>
</table>
### Instruction to be displayed in conspicuous location in Hindi, English and Marathi in the Lift cars and Lift Landings:

<table>
<thead>
<tr>
<th>SL. NO.</th>
<th>Inside the Car</th>
<th>Sr. No</th>
<th>Outside the Car</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Lift Number ............</td>
<td>1.</td>
<td>Lift Number ............</td>
</tr>
<tr>
<td>2.</td>
<td>Capacity........Kg. Persons.....</td>
<td>2.</td>
<td>Capacity........Kg. Persons.....</td>
</tr>
<tr>
<td>3.</td>
<td>No Smoking</td>
<td>3.</td>
<td>Please Stand in Queue</td>
</tr>
<tr>
<td>5.</td>
<td>Do not lean against the lift door.</td>
<td>5.</td>
<td>Passenger travel at their own risk.</td>
</tr>
<tr>
<td>6.</td>
<td>Watch before stepping out.</td>
<td>6.</td>
<td>Please keep the lift neat and clean.</td>
</tr>
<tr>
<td>7.</td>
<td>Do not panic in the event of breakdown. Press alarm buttons and follow instructions of authorized staff</td>
<td>7.</td>
<td>Do not force open the landing door.</td>
</tr>
<tr>
<td>8.</td>
<td>Watch before you step into and out of the lift car.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Heavy article/luggage not allowed</td>
<td>10.</td>
<td>Avoid use of lift during fire</td>
</tr>
<tr>
<td>10.</td>
<td>Complaints if any may be sent to ...............</td>
<td>11.</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>Hours of Operation.......</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Special Data to be furnished by tenderers/ bidders

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Data to be filled in by Passenger lifts Tenderers/Bidders</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td><strong>Equipment details</strong></td>
</tr>
<tr>
<td>1</td>
<td>Machine type</td>
</tr>
<tr>
<td>2</td>
<td>Reduction gear unit ratio</td>
</tr>
<tr>
<td>3</td>
<td>Drive motor data</td>
</tr>
<tr>
<td></td>
<td><strong>I) KW</strong></td>
</tr>
<tr>
<td></td>
<td><strong>ii) Starting current (Amp)</strong></td>
</tr>
<tr>
<td></td>
<td><strong>iii) F.L. Rated current (Amp)</strong></td>
</tr>
<tr>
<td></td>
<td><strong>iv) Max. No. Of starts per hour.</strong></td>
</tr>
<tr>
<td></td>
<td><strong>v) Insulation class</strong></td>
</tr>
<tr>
<td>4</td>
<td>Hoist/Governor ropes (no. and size)</td>
</tr>
<tr>
<td>5</td>
<td>Max. Temperature tolerance during peak summer months</td>
</tr>
<tr>
<td>6</td>
<td>Heat release data for machine room equipment</td>
</tr>
<tr>
<td><strong>B</strong></td>
<td><strong>Special features</strong></td>
</tr>
<tr>
<td></td>
<td>Tenderers to confirm Included /Not Included</td>
</tr>
<tr>
<td>1</td>
<td>Auto fan off switch</td>
</tr>
<tr>
<td>2</td>
<td>Fan inside the Car</td>
</tr>
<tr>
<td>3</td>
<td>Over load warning indicator</td>
</tr>
<tr>
<td>4</td>
<td>Ni-Cd batteries with charging circuit.</td>
</tr>
<tr>
<td>5</td>
<td>Pits switch</td>
</tr>
<tr>
<td>6</td>
<td>Doors safety</td>
</tr>
<tr>
<td>7</td>
<td>Additional weight permitted inside</td>
</tr>
<tr>
<td><strong>C</strong></td>
<td><strong>Performance parameters</strong></td>
</tr>
<tr>
<td>1</td>
<td>Leveling accuracy</td>
</tr>
<tr>
<td>2</td>
<td>Governor tripping speed.</td>
</tr>
</tbody>
</table>

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Specifications for Comprehensive Maintenance Contract (CMC)

The contractor, whose tender for Supply, installation, testing, commissioning and Maintenance of 08 Passenger capacity Lifts for New Lecture Theater at Kharghar, Navi Mumbai and Powai, Mumbai's accepted, shall maintain the lift comprehensively for a period of 5 years from the date of expiry of "defects liability period" of one year.

Scope of work:

1. The AMC is for a period of Five years from date of expiry of "defects liability period" of one year and subject to extension at the sole discretion of SAMEER Mumbai.
2. Contract may be terminated by SAMEER Mumbai at its discretion by giving 30 days notice to the service provider in case of failure to maintain the AMC services at the satisfaction of the SAMEER Mumbai, Mumbai and the agreement with SAMEER Mumbai in that case will be treated as cancelled before expiry date of notice and the contract.
3. Regular servicing & inspection of the elevators/Lifts should be carried out at least once in a month by the service provider.
4. The service provider shall regularly examine elevator equipments and provide Gear oil, Lubricate, Grease, Mobil, Break Shoe Gibbs, Push Buttons Car and Landings etc. for maintenance if required.
5. Response time for maintenance of items covered under AMC will be 24 hours.
6. In the event of service provider unable to attend call or provide service within the stipulated time period, you are liable for the penalty as per contract.
7. Tenderer shall not engage any sub-agent or sub-contractor whatsoever for running the AMC Service.
8. The contract for running the AMC Service shall be commercial contract and between SAMEER Mumbai & contractor. There shall be no employer-employees relationship between SAMEER Mumbai and the contractor and/his personnel.
9. The AMC is of Comprehensive type. Any replacement of spares should be with new and of equivalent type or higher of same make.
10. Monthly routine maintenance and check up of the machine, controls, ropes, breaks, control cables and other mechanical and electrical parts and appliances.
11. Repair and/or replacement of the worn out parts at his own cost for ensuring smooth service.
12. All the replaced parts shall conform to relevant I.S. codes or Bombay Lifts Act and Rules made there under:
13. Check thoroughly each component part of the Lift at the end of each year and carry out such repair, maintenance and replacement as may be considered necessary as a result of annual inspection.
14. Get the lifts inspected by any local authority or Govt. agency if required under rules, and get the deficiencies, pointed out, removed.

TERM AND PRICE:

2.1 This contract shall be automatically renewed for subsequent one (1) year terms after the expiration of the initial or subsequent term unless otherwise terminated pursuant to the provisions of specified Section of this Agreement.

2.2 The SAMEER Mumbai shall pay the Contractor the specified amount on quarterly basis after end of each quarter for the work performed during that period on presentation of an approved invoice by the Contractor. No advance payment will be made in any case. Taxes will be deducted from the bill as applicable.
2.3 The contractor shall submit an irrevocable performance guarantee of 5% of the Tendered amount for CMC within 15 days of this letter. This guarantee in the form of government securities or fixed deposit receipts or guarantee bonds of any scheduled bank or state bank of India in the specified format. The performance guarantee shall be initially valid up to stipulated date of completion plus 60days beyond. This bank guarantee kept valid till the recording of the completion for the work by competent authority.

**TERMINATION OF AGREEMENT:**

3.1 Either party may terminate this Agreement at the end of the five (5) year term or subsequent term by giving the other party not less than sixty (60) days written notice.

3.2 The SAMEER Mumbai may also terminate this Agreement at any time upon thirty (30) days written notice to the Contractor due to the following reasons:

- Unacceptable performance by the Contractor, which shall be determined SAMEER Mumbai sole and absolute discretion.
- Contractor's failure to comply with all of its duties and obligations under this Contract, If the SAMEER Mumbai chooses to modernize vertical transportation equipment, during any term of this Agreement, provided the modernization work is a major modernization as defined by Codes for Elevators and Escalators, latest edition
- Permanent removal of equipment from service.

Contractor shall fully guarantee all work performed during the Term of the Contract and for a period of ninety (90) days after the termination date.
CONTRACTOR TO COMPLY WITH LAWS:

In the performance of this Contract, the Contractor shall abide by all existing laws, codes, rules and regulations set forth by all governmental units and authorities having competent jurisdiction over Contractor and/or the work performed by Contractor hereunder. Contractor shall also procure and pay any necessary permits or licenses pertaining to the work performed by Contractor pursuant to this Contract.

All repair, parts replacement or adjustments called for hereunder shall be performed in full compliance with specified laws, standards and codes set by the government with latest edition, including amendments thereto, and with applicable regulations of the state, city and/or local authorities. In case of conflict, the more stringent regulations will apply.

WARRANTY:
Contractor warrants that the elevator/escalator maintenance services will be provided to the IIMI in accordance with the terms of this Contract and with prevailing industry standards for elevator/escalator maintenance services. Contractor shall use its best efforts under the circumstances to remedy any delays, interruptions, omissions, mistakes, accidents or errors in such services and restore any service to compliance with the terms of this Contract.

Contractor to comply with laws:
In the performance of this Contract, the Contractor shall abide by all existing laws, codes, rules and regulations set forth by all governmental units and authorities having competent jurisdiction over Contractor and/or the work performed by Contractor hereunder. Contractor shall also procure and pay any necessary permits or licenses pertaining to the work performed by Contractor pursuant to this Contract.

Certificate of safety
The contractor shall submit a safety certificate of lifts within 10 days of the last day of the annual inspection of the lifts.

Availability of Authorized Representative
The contractor shall ensure availability of his authorized representative at Indore to receive emergency calls and take remedial actions. The representative should attend the call immediately to ensure the restoration of the services promptly. If shutdown of any lift continues for more than one day, a penalty of Rs. 1000/ per day per lift for delay beyond one days shall be imposed and the amount of penalty shall be recovered from the quarterly bills, Security Deposit or any other sum due to the contractor.

Responsibility of Accident and Hazards:
The contractor shall be responsible for any accident or hazard that take place during the maintenance period of 5 years. He shall also be responsible for payment of compensation and penalties payable to effected parties as a result of legal action. He shall also be responsible for repairs and replacement of damaged parts of the lift and restore services within 7 days failing which penalty @ Rs. 1000/ per day per lift shall be imposed and recovered from bills / deposit or any other sum due to the contractor.

Special Conditions of Contract for CMC;

A. Details of schedule maintenance/break down shall be entered in the register/service slip & jointly signed by the firm’s representative and Kharghar, Navi Mumbai and Powai, Mumbai representative and shall be carried out in the presence of IIMI representative.

B. Contractor will have to make 12 visits (01 visit per month) during the AMC period. Beside this, any number of breakdown calls will have to be attended. The response time for such breakdown calls shall not exceeds 24 hours. Beyond this penalty shall be imposed as per penalty clause

C. Contractor’s mechanic shall reach to the site within 24 hour after lodging a complaint. Delay in reporting period shall be recorded and penalty shall be imposed as per the following slab.
Above 24 hrs, penalty will be at the rate of Rs. 1000/- per day.

D. Contractor will have to take necessary care and precaution to keep the elevator safe for use and in good working condition. Trained technical staff shall carry out maintenance work.

E. Contractor will have

F. to carry out all customary annual safety tests to examine all safety devices.

G. As it is comprehensive in nature, no payment will be made as an extra for replacement of spare parts etc.

H. No parts or components of the lifts being maintained by contractor shall be removed without prior approval and knowledge of IIMI. Any part to be removed from the lift for repair shall be done after approval of the nominated supervisor.

I. Any damage to IIMI property while carrying out periodical maintenance and attending break down will be contractors’ responsibility.

J. Thorough cleaning of machine room control panel machine unit &hoist way with lift car and pit shall be done once in a month. Which IIMI representative shall certify.

K. All the lifts shall be jointly inspected once in three months or before submission of quarterly bill. Bill shall be forwarded along with the joint inspection report. Items need replacement shall be complied during the next schedule due.

L. The contractor shall fulfill statutory requirement of annual inspection of lift by Inspector of Government. The inspection fees of lift inspector of state Government shall be paid by the contractor.

M. Contractor shall not only attend the failure but also rectify the cause of failure after investigation.

N. Penalty imposed for late reporting, late replacement of defective parts of lift shall be deducted from quarterly bill of the firm.

O. CMC bill shall be paid after every quarter. No advance payment will be paid.
SMR/MANT/GN040/2020L /PT

TENDER DOCUMENT

PART – II

Price Bid [Envelop -2]

Name of work:

Supply, Installation, Testing, Commissioning and Maintenance of 13 (884 Kg) Passenger capacity Lift for Facility Block at SAMEER Kharghar Navi Mumbai, and FOR Utility cum hostel Building at SAMEER Powai Mumbai.
**SOCIETY FOR APPLIED MICROWAVE ELECTRONICS ENGINEERING & RESEARCH**

**Name of Work:** Supply, Installation, Testing, Commissioning and Maintenance of 13 (884 Kg) Passenger capacity Lift for Facility Block at SAMEER Kharghar Navi Mumbai, and FOR Utility cum hostel Building at SAMEER Powai Mumbai.

**Part- II**

**Schedule of Quantity**

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply, Installing, Testing and Commissioning of Passenger Lifts Gearless, AC VVVF type, suitable for operation on 3-phase, 415 Volts, 50 Hz., AC electric power supply with motor, control panel, guide rails, ropes, counter weight etc. car enclosure, Car and landing doors, complete with all operating, control &amp; safety accessories &amp; devices providing automatic rescue device with dry maintenance free batteries, hand rails on three sides, voice announcements system in car to announce the position of elevator etc complete in hoist way as the car passes or stops at a floor served by elevator, Braille button inside the car &amp; at each landing complete complying with relevant IS codes &amp; requirement of local authorities, getting approval of concerned state/central government authorities including 12 months guarantee with free maintenance and replacements of equipment &amp; spares. All Job work of of Passenger Lift without lift room for the lift in Category &quot;B&quot;, preferably of following makes, 1. M/s OTIS 2. M/s Kone 3. M/s Mitsubishi 4. M/s Schindler 5. M/s Johnson Lifts Pvt. Ltd. Chennai (With compliance of detail as mentioned in Annexure I and Annexure II of the work)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.1</td>
<td>Within the existing R.C.C. lift shaft of the FACILITY building at SAMEER, Sector-7, CBD, Belapur,Kharghar Navi Mumbai. (With compliance of detail as mentioned in Annexure I of the design requirement under technical specification of the work)</td>
<td>Job</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.2</td>
<td>Within the existing R.C.C. lift shaft of the Utility cum hostel building at SAMEER, I.I.T. Campus, Hill side Powai Mumbai 400 072(With compliance of detail as mentioned in Annexure II of the design requirement under technical specification of the work)</td>
<td>Job</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Comprehensive maintenance of above lift which include routine, preventive & breakdown maintenance for period of FIVE YEARS including repair/replacement of worn out items with minimum downtime and warranty & guarantee of repaired/replaced items after completion of One year guarantee period.

<table>
<thead>
<tr>
<th>Year</th>
<th>Job</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Year (Guarantee period) (in Rs.)</td>
<td>1</td>
<td>Free</td>
</tr>
<tr>
<td>2nd Year (in Rs.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3rd Year (in Rs.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>4th Year (in Rs.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>5th Year (in Rs.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>6th Year (in Rs.)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Add 18 % GST</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Grand Total 1+ 2 (In Rs.)
Grand Total 1+ 2(In words):