

JULY 2023

## **NOTICE**

Draft technical specifications and associated tender documents for Supply, Installation, Testing and Commissioning (SITC) of 120 Divyang friendly Lifts in Kendriya Vihar 2, NOIDA 221304 is appended below.

Comments and suggestions are requested from members of Apartment Owners' Association by 31<sup>st</sup> August, for finalizing the documents before publication tentatively planned in first week of September.

# **Draft Tender Document**

## **Tender for Supply, Installation, Testing and Commissioning (SITC) of 120 Divyang friendly Lifts**

**NIT No: - KV-2/SEC82-NOIDA/LIFTS/2023-24 Date 08/09/2023**

Name of work: - Dismantling of old lifts (120 in numbers) & SITC of 120 Divyang friendly lifts at Kendriya Vihar-II, Sector -82, Noida, Uttar Pradesh ---- 201304.

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## **PRESS NOTICE**

The President, BOM, AOA, Kendriya Vihar-II, Sector-82, Noida, Uttar Pradesh-201304 invites on behalf of Apartments Owners Association of KV-II, percentage rate tenders in two bid system for following works.

**Name of work:** Dismantling of old (120 Lifts) & Supply, Installation, Testing and Commissioning (SITC) of 120 Divyang friendly lifts (96 Lifts of 5 passenger and 24 Lifts of 8 passenger capacity) at Kendriya Vihar-II, Sector -82 , Noida , UP -201304.

**NIT No:** KV-2/SEC82-NOIDA/LIFTS/2023-24

Estimated Cost: 8 Crores

Date and time of submission of bid is 29 September 2023 by 03.00 P.M.

Bid forms and other details can be obtained from the website.

Site visit can be done on any day between 0900 to 1700hrs.

**<https://www.noidakv2.org>**

**Secretary  
BOM, AOA**

Apartment Owner's Association  
Kendriya Vihar-II  
Community Centre, Plot No. 03  
Sector-82, Noida (UP)-201304

**NOTICE INVITING TENDER**

NIT No: KV-2/SEC82-NOIDA/LIFTS/2023-24

1. Percentage rate bids are invited for & on behalf of Apartments Owners Association from reputed/registered OEM (Original Equipment Manufacturer) or the agencies having authorization from reputed/registered OEM or specialized agency satisfying under mentioned eligibility conditions for the following work:

NIT No.	KV-2/SEC82-NOIDA/LIFTS/2023-24
Name of work	Dismantling of old (120 Lifts) & SITC of 120 Divyang <sup>Dis</sup> friendly lifts (96 Lifts of 5 passenger and 24 <sup>h</sup> Lifts of 8 passenger capacity) at Kendriya Vihar-II, Sector -82 , Noida , UP - 201304.
Estimated cost	₹ 8,00,00,000/- (Eight Crores)
Earnest money deposit	₹ 16,00,000/- (Sixteen Lakhs)
Period of completion	730 Days
Last date and time of submission of technical and financial bid	29 September 2023, 1530hrs
Date and time of opening of technical bid	30 September 2023, 1100hrs

- 12:42 P.M.  
10:15 a.m.  
11 a.m.
- (i) The estimated cost is given merely as a rough guide.
  - (ii) The intending bidders eligible to submit the bid should satisfy himself that he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below.
  - (iii) Joint ventures are not accepted.

### **Criterion of eligibility for submission of bid documents:**

(a) Reputed/Registered Original Equipment Manufacturer (OEM) having at least 15 years' experience in manufacturing

(b) Bidder must have experience of executing similar work in the last 15 years or more with following conditions:

I. Three similar works each of value not less than 10% of the estimated cost put to Tender

**OR**

II. Two similar works each for value not less than 15% of the estimated cost put to tender

**OR**

III. One similar work each for value not less than 20% of the estimated cost put to tender

#### **NOTE:**

(i) For the purpose of this clause 'similar work' means, the tenderer should have experience of **"SITC of goods/passenger lift"**.

(ii) The value of all above executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to previous day of last date of submission of tenders.

(iii) Certificate of successful completion of work in respect of the experience should be issued by an officer not below the rank of Executive Engineer or equivalent. The work done certificate shall clearly indicate amount of work done, date of start, date of completion, time period (stipulated and actual). The works not completed in stipulated time where levy of compensation is imposed are not considered satisfactory for work experience.

(a) Average annual financial turnover during the last three years, ending March 31 of the previous financial year, should be at least 12.5% of the estimated cost.

(iv) The Financial Bid of tender submitted will be opened in presence of intending contractors or their authorized representatives.

2. Agreement shall be drawn with the successful bidder on prescribed Tender Form No. "Form-1". Bidders shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.

3. The time allowed for carrying out the complete work will 730 days from the date of start of first phase as defined in Schedule "A" or from the first date of handing over of the site, whichever is later, in accordance with the phasing if any, indicated in the tender documents. The sites will be given in phases as required by the contractor only after completion of previous phase.

4. The site for the work will be made available as and when required.

5. The bid documents consisting of plans, specifications, the schedule of quantities of the various types of items to be executed and the set of terms and conditions of contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen and downloaded free of cost from website <https://noidakv2.org>

6. The bidder needs to submit the earnest money deposit along with technical bid. Copy of Enlistment Order, if required and certificate of work experience and other documents as specified shall be submitted along with technical bid. **However, certified copy of all the documents as specified shall have to be submitted physically by the successful bidder within a week in the AOA office.** Financial Bid submitted by intending bidders shall be opened only of those bidders, who have submitted earnest money and other required documents.

7. Earnest money shall be in the form of Demand Draft / Pay Order / Banker's Cheque of a Scheduled Bank (issued in favor of AOA, KV-II). A part (maximum 50 %) of earnest money is acceptable in the form of bank guarantee having validity of six months or more from last date of receipt of bids. Earnest money should be deposited (on all working days up to 16:00 hours in the office of AOA, Kendriya Vihar-II inviting bids within

the period of bid submission. The officer receiving EMD shall issue a receipt of deposition of earnest money to the bidder in a prescribed format as per Annexure-I.

Earnest money can also be deposited online in the account no. 37255619357 IFS code SBIN0010079 of AOA KV-II, Sector-82 Noida. The deposit receipt/acknowledgement shall be submitted within the period of bid submission.

8. The bid submitted shall become invalid, if:

- (i) The bidder is found ineligible.
- (ii) The bidder does not submit earnest money deposit declaration.
- (iii) The bidder does not submit all the documents as stipulated in the bid document including the undertaking.
- (iv) If a bidder quotes **nil** rates against each item in item rate tender; or does not quote any percentage above/below on the total amount of the tender or any section / subhead, in percentage rate tender; the tender shall be treated as invalid and will not be considered as successful bidder.

9. If any discrepancy is noticed between the documents submitted with Bid and certified copies submitted physically by the Successful bidder in the office of bid opening authority. President, AOA shall, without prejudice to any other right or remedy, be at liberty to forfeit **100 %** of the said earnest money. Further, the tenderer shall not be allowed to participate in the tendering process of the work.

10. The contractor whose bid is accepted will be required to furnish **performance guarantee** of **5 %** (Five per cent) of the tendered amount within the period specified in Schedule 'A'. This guarantee shall be in the form of Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Schedule Bank in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'A', including the extended period if any, the Earnest money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be adjusted in the aforesaid performance guarantee of successful bidder. The contractor whose bid is accepted will also be required to furnish either copy of the applicable licences/registrations or proof of applying for labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund

Code No, if applicable and Program Chart (Time and Progress) within the period specified in Schedule 'A'.

11. The description of the work is as follows: -

**“Dismantling of old (120 Lifts) & Supply, Installation, Testing and Commissioning (SITC) of 120 Divyang friendly lifts (96 Lifts of 5 passenger and 24 Lifts of 8 passenger capacity) at Kendriya Vihar-II, Sector -82 , Noida , UP -201304.”**

a) Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and subsoil (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 bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The bidders 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 bid by a bidder 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.

b) The bidder is permitted to use old lift parts like guiderails with existing brackets, buffer spring and counter weight only, if found in good condition after thorough check and their satisfaction. Rest all the parts of dismantled lifts will be the property of KV-2 AOA.

12. The competent authority on behalf of the Apartment Owners Association of KV-II does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

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

14. The competent authority on behalf of Apartments Owners Association of KV-II reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.

15. The bid for the works shall remain open for acceptance for a period of **75 days** from the date of opening of technical bid. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the Society, then the Society shall without prejudice to any other right or remedy be at liberty to forfeit **100%** of the said earnest money as aforesaid.

Further the bidder shall not be allowed to participate in the re-bidding process of the work.

16. This Notice Inviting Tender shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work should sign the contract consisting of-

(a) The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming a part of the bid as uploaded at the time of invitation of tender and the rates quoted at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

(b) Standard Form as mentioned in Schedule 'A'

**Secretary**  
**BOM, AOA, KV-2**  
**Sector 82, NOIDA**

## **INFORMATION AND INSTRUCTIONS TO BIDDERS FOR TENDERING:**

1. The intending bidder must read the terms and conditions of Notice Inviting Tender carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. 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 General Conditions of Contract Form can be seen and downloaded from website at <https://www.noidakv2.org> free of cost.
3. Bid documents submitted by intending bidders shall be opened only of those bidders, who have submitted earnest money deposit declaration; and other documents are found in order.
4. Certificate of financial turnover: At the time of submission of bid, bidder may submit affidavit/certificate from CA mentioning financial turnover of last three years and further details, if required, will be asked from the contractor after opening of technical bids. There is no need to submit entire voluminous balance sheet.
5. The tenders shall be submitted under two bid system on/or before last time and date of submission of bid as notified - the first bid will be named as Technical Bid and shall contain documents of bidder's satisfying the eligibility conditions and tender document with all technical specifications; and second bid shall be named as Financial Bid and shall contain Schedule/Bill of Quantities (BoQ). These bids shall contain one set of the following documents.

### **6. List of documents to be submitted along with Technical Bid:**

6.1 Technical Bid should contain the copies of following documents:

- i) Earnest money deposit Receipt as per Annexure-I.
- ii) Certificate of work experience, If Applicable.
- iii) Acceptance of tender documents
- iv) Certificate of financial turnover from CA.
- v) Any other document as specified in NIT.
- vi) Undertaking as per format enclosed at Annexure-II, duly signed and stamped.

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vii) GST registration certificate of the state in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the state in which work is to be taken up, or as required by GST authorities, then in such a case the bidder shall submit following undertaking along with other bid documents-

"If work is awarded to me, I/we shall obtain GST registration certificate of the state, in which work is to be taken within one month from the date of receipt of award letter or before release of any payment by AOA, KV-II, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by AOA, KV-II or GST department in this regard".

6.2 Financial bid shall contain:

Schedule/Bill of Quantities duly filled & signed.

7. The technical bid shall be opened first, on due date and time. Subsequently the financial bid of contractors qualifying the technical bid shall be opened either at the due date and time specified or at such date and time communicated to them at later date.

8. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.

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## SPECIAL INSTRUCTIONS FOR SUBMISSION OF BIDS

### **Searching for Tender Documents**

Bidders can search for any tender by clicking on "Tender for Lifts" on Home Page. Once the bidders have clicked on "Tender for Lifts", they may download the required tender documents and tender schedules.

### **Preparation of Bids**

Bidder should take into account any corrigendum published in the tender before submitting their bids. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted.

### **Submission of Bids**

1. Bidders should submit the bid in time i.e. on/or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to sign and submit the required bid documents as indicated in the tender document.
3. Bidder has to pay the earnest money and enter the details of demand draft /other accepted instrument.
4. The tender Inviting Authority will not be held responsible for any sort of delay or the difficulties faced during the submission of bids by the bidders. The bidder should see that the bid documents submitted should be fair and readable. If the documents are not readable during tender opening, the bid is liable to be rejected.
5. Bidders are required to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the format is found to be modified by the bidder, the bid will be rejected.

### **Assistance to Bidders**

Any queries relating to tender document and the terms and conditions therein should be addressed to the officer inviting tender.

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**Annexure-I**

**Format for Receipt of Deposition of Physical Earnest Money**

Receipt No.

Date:

1	NIT No.	KV-2/SEC82-NOIDA/LIFTS/2023-24
2	Name of work	Dismantling of old (120 Lifts) & SITC of 120 Divyang friendly lifts (96 Lifts of 5 passenger and 24 Lifts of 8 passenger capacity) at Kendriya Vihar-II, Sector -82 , Noida , UP -201304
3	Estimated Cost	80000000/
4	Earnest money deposit	1600000/-
5	Last date and time of submission of bids	29 September 2023 by 1530hrs

Name of bidder :

Form of EMD : Banker's Cheque/Draft/FDR

Amount of EMD: 1600000

Date of submission of EMD :

Signature, name and designation of EMD receiving officer along with Office Stamp

**Note: : To be filled by officer receiving the EMD.**

**Annexure-II**

**Format for Undertaking**

*(To be submitted by bidders, on company letter head duly signed with stamp & seal, on or before last time of date of bid submission)*

To  
**President**  
**AOA, KV-II, Sector-82, Noida.**

Subject: Acceptance of terms & conditions of tender.

**NIT No: KV-2/SEC82-NOIDA/LIFTS/2023-24**

**Name of work:** “ Dismantling of old (120 Lifts) & SITC of 120 Divyang friendly lifts (96 Lifts of 5 passenger and 24 Lifts of 8 passenger capacity) at Kendriya Vihar-II, Sector -82 , Noida , UP -201304.”

Dear Sir,

1. I/We have downloaded the tender document for the above-mentioned work from the tendering portal at <https://noidkv2.org> as per your advertisement given in the above mentioned website.
2. I/We hereby certify that I/we have read the entire terms and conditions of the tender document (including all annexure, schedules etc.) which form part of the contract agreement and I/we shall abide hereby by the terms/ conditions/ clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organization too has also been taken into considerations, while submitting their acceptance letter.
4. I/We hereby unconditionally accept the terms and conditions of above-mentioned tender document and corrigendum(s) in its totality.
5. In case any provisions of this tender are found violated, then your Society shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the Earnest Money absolutely.

6. 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 Society, then I/we shall be debarred for tendering in KV-II Society in future forever. Also, if such a violation comes to the notice of Society before date of start of work, the President shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

Yours faithfully,

(Signature of the bidder, with Official Seal)

Form-1  
Apartment Owners Association.  
Kendriya Vihar-II

## PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

Tender or the work of "Dismantling of old (120 Lifts) & SITC of 120 Divyang friendly lifts (96 Lifts of 5 passenger and 24 Lifts of 8 passenger capacity) at Kendriya Vihar-II, Sector -82 , Noida , UP - 201304"

- i) To be submitted by **29 September 2023 by 1530hrs**
- ii) Technical bids will be opened in presence of bidders on **30 September 2023 by 1100hrs.**
- iii) Financial Bid will be opened in presence of technically qualified bidders on specified date and time (to be communicated at a later date) in the office of the AOA, KV-II, Sector-82, Noida, UP.

## TENDER

I/We have read and examined the notice inviting tender, Schedule A, B, C and D; specifications applicable, drawings and designs, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special conditions, Schedule of Rates and 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 Apartments Owners Association within the time specified in Schedule 'A', 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 5 of the Conditions of Contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/we agree to keep the tender open for 75 day from the last day of receipt of technical bid for specialized work and not to make any modifications in its terms and conditions.

If I/we, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said AOA, KV-II, Sector-82 shall without prejudice to any other right or remedy, be at liberty to suspend me

for one year and I shall not be eligible to bid for AOA, KV-II tenders from the date of issue of suspension order and forfeit the earnest money.

Further, if I/we fail to commence work as specified, I/we agree that President 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 performance guarantee absolutely. The said performance guarantee shall be a guarantee 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 'A' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 6 of the tender form. Further, I/we agree that in case of forfeiture of earnest money or performance guarantee as aforesaid, I/ we shall be debarred for participation in the re-tendering 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 Society, then I/we shall be debarred for tendering in Kendriya Vihar-2 in future. Also, if such a violation comes to the notice of Society before date of start of work, the President 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 not 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.

Signatures of contractor

Dated :.....

Postal Address:.....

Witness :

Address :

Occupation :

**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 Apartment Owner's Association for a sum of Rs ----- (Rupees  
.....  
.....)

The letters referred below shall form part of this contract agreement:-

- (a)
- (b)
- (c)

Signatures:.....

Dated :.....

Designation:.....

(For & on behalf of the President,  
AOA, KV-II , Sector-82, NOIDA)

## PROFORMA OF SCHEDULES

### Schedule 'A'

#### General Rules & Directions:

Officer Inviting tender: President, AOA, KV-II, Sector-82, UP.

#### Definitions:

Engineer-in-Charge: In-charge Electrical & Lifts, BOM, AOA, KV-II, Sector -82, Noida.

Accepting Authority: President, BOM, AOA, KV-II, Sector -82, Noida.

Society: AOA, KV-II

#### Clause 1

(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance: 10 day

(ii) Maximum allowable extension with late fee @ 0.1 % per day of Performance Guarantee amount beyond the period provided in (i) above: 10 day

#### Clause 2

Authority for fixing compensation: President, AOA, KV-II .

#### Clause 3

Number of days from the date of issue of letter of acceptance for reckoning date of start. ----- 10 day.

#### Table of milestones

Phase	Financial progress	Time allowed (from date of start)
1	1/12 <sup>th</sup> (of whole work)	2 months from date of start
2	1/6 <sup>th</sup> (of whole work)	2 months after completion of Phase 1
3	1/4 <sup>th</sup> (of whole work)	2 months after completion of Phase 2
4.	1/3 <sup>rd</sup> (of whole work)	2 months after completion of Phase 3

5.	5/12 (of whole work)	2 months after completion of Phase 4
6.	1/2 (of whole work)	2 months after completion of Phase 5
7.	7/12 (of whole work)	2 months after completion of Phase 6
8.	2/3 <sup>rd</sup> of whole work	2 months after completion of Phase 7
9.	3/4 <sup>th</sup> of whole work	2 months after completion of Phase 8
10.	5/6 of whole work	2 months after completion of Phase 9
11.	11/12 of whole work	2 months after completion of Phase 10
12	Full work	2 months after completion of Phase 11

Time allowed for execution of work 730 Days

Authority to give fair and reasonable extension of time for completion of work: President, AOA, KV-II.

#### Clause 4

List of testing equipment to be provided by the contractor at site lab: -

#### Clause 5

Specification to be followed for execution of work:

(i) CPWD General Specifications for Electrical Works Part III (Lifts & Escalators) 2003.

(ii) CPWD General Specifications for Electrical Works Part I (Internal) 2013.

(iii) CPWD General Specifications for Electrical Works Part II (External) 1994.

As amended up-to-date.

#### Clause 6

Type of work:

Deviation limit for building work: 10%

Deviation limit for foundation work: 10%

**Clause 7**

Competent Authority for deciding reduced rates: President, AOA, KV-II

**Clause 8**

List of mandatory machinery, tools & plants to be deployed by the contractor at site: -

**Schedule 'B'**

Schedule/Bill of Quantities

**Schedule 'C'**

Extra schedule for specified requirements/ documents for the work, if any. General conditions, additional conditions, and particulars specifications as attached.

**Schedule 'D'**

Reference to General Conditions of contract: General Conditions of Contract up to date of issue of NIT.

**Name of work:** Dismantling of old (120 Lifts) & SITC of 120 Divyang friendly lifts (96 Lifts of 5 passenger and 24 Lifts of 8 passenger capacity) at Kendriya Vihar-II, Sector -82 , Noida , UP -201304.

Estimated cost of work: 80000000/-

(i) Earnest money: 1600000/- (to be returned to unsuccessful bidders or adjusted in performance guarantee of successful bidder)

(ii) Performance Guarantee: 5% of tendered value

## SPECIFICATIONS FOR THE PASSENGERS LIFT

1	Types/Services	Passengers Lift: 120 in numbers A. 96 Lifts B. 24 Lifts
2	Load/Capacity	A. 5 Passengers (340 Kg) B. 8 Passengers (544 Kg)
3	Speed	A. 0.7 Meter per second B. 1.0 Meter per second.
4	No. of floors served, Stops & openings	A. (G+4) floors total 5 openings (All on same side). B. (G+5) Floors total 6 openings (All on same side).
5	Power supply	400 V, 3 phase, 50 Hz, alternating current
6	Controller	Microprocessor based A.C. Variable voltage variable frequency (VVVF)
7	Operation	Simplex full collective and selective (with/without attendant)
8	Machine	Machine Room, Geared/PMS gearless type
9	Car Size	Car size should match as per existing net inside car area which are as follows: A. Existing Size 1170 mm Wide x 820 mm depth B. Existing Size 1300 mm Wide x1100mm depth
10	Car enclosure	Stainless steel Scratch Proof/hairline finish cabin and must be isolated with Rubber pads for minimum noise and vibrations.
11	Car & Door Panels	Stainless steel Scratch Proof/hairline finish
12	False ceiling	Stainless steel mirror finish

13	Car Flooring	3 mm pattern (PVC) with Stainless Steel car skirting
14	Car illumination	LED lights
	Call Buttons G to 4 (A type) G to 5 (B type)	Heights between 800-1000mm, with Braille switches
15	Car entrance	Centre opening
16	Door Safety	Full height infra-red safety curtains
17	CCTV Camera	One high resolution camera in car cabin whose feed must go to machine room.
18	Landing Entrance	Centre opening Power in Scratch proof/hairline stainless steel.
19	Clear opening	A. 800 mm (W) x 2100 mm (H) B. 800 mm (W) x 2000 mm (H)
20	Signals	<ul style="list-style-type: none"> <li>• Combined luminous back lighted hall button with dot matrix at all floors with lift status indicator.</li> <li>• Car operating panel with luminous back lighted buttons and dot matrix display with lift status indicator.</li> <li>• Self-chargeable Battery operated alarm bell &amp; emergency light. Fireman's switch at main lobby.</li> <li>• All signal fixtures in stainless steel face plates</li> <li>• Audio and visual indication of automatic Rescue operation.</li> <li>• Floor announcement with or without music.</li> <li>• Arrow arrival indicator with arrival gong to support Divyang.</li> <li>• Intercom.</li> </ul>

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21	Automatic rescue device	The device shall have electronic unit for automatically rescuing trapped passengers from the lift in case of power failure. The system should automatically bring the lift car to the nearest landing and open the doors so that trapped passengers walk out of the lift car. In case power is restored the lift automatically resumes normal operation.
22	Reverse phase & failure relay	These relays shall be provided to protect the machine against phase reversal and failure of one phase.
23	Time of closing of automated door	At least 5 Seconds and adjustable to 25 Seconds

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## GENERAL TERMS AND CONDITIONS

1. Suitable scaffolding, temporary barricading in the hoist way and all minor building work etc. required, shall be done by the supplier only. All steel items e.g. machine beams, bearing plates, buffer supports channels etc. at all floors and ladder in pit shall be provided by the supplier.
2. A set of tool kit should be provided by supplier. Operation and maintenance manual and special instruction chart shall be prominently displayed in the machine room. Wiring diagrams shall be displayed inside the panels and in the machine room.
3. The supplying firm shall give a guarantee of 36 months from the date of completion and handing over of the lift work against any material/manufacturing defects. During the period of 12 months, free maintenance comprising of routine/preventive as well as breakdown is also to be carried out including oiling, greasing and checking of all safety devices etc. as required. Any spare parts required for maintenance shall be supplied by the firm free of cost during this period of 36 months.
4. The lift shall be got inspected from the lift inspector by the supplier, if required. AOA shall pay the required fee for this.
5. After successful completion and inspection from the lift inspector (if required), the lift shall be handed over to the AOA, KV-II for putting the lift into service. The certificate issued by the lift inspector will be handed over to the AOA, KV-II.
6. The installation shall be carried out in conformity with the local lifts Act and rules; for example The Bombay Lift Act for Bombay, The West Bengal Lifts Escalators Act for West Bengal, The Bombay Lift Act as extended to Delhi for Delhi etc. At all other places where no local lifts Act exists, the Bombay Lift Act shall be followed. The installation shall also conform to requirements of local Municipal by-laws.
7. All electrical works in connection with installation with electric lift shall be carried out in accordance with the provision of Indian Electricity Act 2003 and Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations 2010 amended up to date.

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8. The contractor shall at his own expenses arrange for the safety provision as per the statutory regulations. IS recommendation, regulations under Factory Act etc., wherever applicable and instruction issued from time to time in respect of all labour employed by him directly or indirectly for the installation of the lift. The contractor shall provide necessary barriers, warning signs and other safety measures etc., wherever necessary so as to avoid accident. In case of default the AOA, KV-II shall be at liberty to make arrangements and provide facility as aforesaid and recover the cost from the contractor. He shall also indemnify AOA, KV-II against claims for compensation arising out of negligence in this regard.

9. The installation shall be carried out in conformity with local fire regulations and rules there under wherever they are enforced.

10. In addition to manufacture, SITC of the lift including all auxiliary equipment, following works shall be deemed to be included within the scope of the work to be done by the contractor.

10.1: All Dismantling of old lifts and minor building works necessary for installation of equipment such as making of opening in walls/floors, either of RCC or brick masonry etc. and restoring them to original condition and finish. The scope of minor building work includes of all grouting of foundation concrete pad to be formed or made as base for supporting R.S. joist etc., grouting and anchoring of all boards, clamps, supports foundation bolts, installation in position of R.S. joist in the machine room, lift well or in the pit. Machine room must have the provision of door, window, exhaust fan etc. In case the installed items need repair/replacement, they must be carried out by the supplier.

10.2: Supply of necessary R.S. joists or angle iron supports brackets etc. for installation of the lift either in the machine room or at other places as may be necessary including their installation in position.

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## **COMMERCIAL AND ADDITIONAL CONDITIONS GENERAL**

The work shall be executed as per CPWD General Specifications for Electrical Works (Part III – Lifts and Escalators); as per relevant IS; and as per directions of BOM, AOA, KV-II. These additional specifications & conditions are to be read in conjunction with above and in case of variations; specifications given in the 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. The bidder should in his own interest visit the site and familiarizes himself with the site conditions before tendering. No T&P shall be issued by AOA, KV-II and nothing extra shall be paid on account of this.

## **INTERPRETING SPECIFICATIONS**

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

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

## **DATA MANUAL AND DRAWINGS TO BE FURNISHED BY THE BIDDER**

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

## **INSPECTION OF SITE AND COLLECTION OF DATA**

The contractor shall be deemed to have examined the tender documents, detailed specification, data etc. and have visited the site or ascertained all relevant details for offering suitable equipment/ installation. After award of work, the successful tenderer would be required to submit the drawing within 15 days of work for approval before commencement of installation. The successful tenderer should furnish well in advance three copies of detailed Instructions and manuals of manufacturers for all items of equipment regarding installation, adjustments operations and maintenance i/c preventive maintenance & trouble shooting together with

all the relevant data sheets, spare parts catalogue and workshop procedure for repairs, assembly and adjustment etc. all in triplicate.

## **EXTENT OF WORK**

The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation such tests and adjustments and commissioning as may be required by society. The term complete installation shall not only mean major items of the plant and equipment covered by specifications but all incidental sundry components necessary to complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in detail in the Tender document in connection with this contract. Minor building works necessary for installation of equipment, foundation, making of opening in floors and restoring to their original condition, finish the necessary grouting etc. as required.

Maintenance (routine and preventive) for one year from date of completion and handing over and supply and installation of spares free of cost for 36 months from the date of handing over.

The work is a turnkey project. Any item required for completion of project but left inadvertently shall be executed with-in the quoted rates.

## **RATES**

The rates quoted by the tenderer, shall be firm and inclusive of all taxes, duties and levies and all charges for packing, forwarding, insurance, freight and delivery, installation, testing, commissioning etc. at site including temporary constructional storage, risks, overhead charges, general liabilities / obligations and clearance from local authorities till the completion and final handing over of the site to society.

## **COMPLETENESS OF TENDER**

All sundry equipment, fittings, assemblies, accessories, hardware items, foundation bolts, supports, termination lugs for electrical connections, cable glands, junction boxes and all other items which are useful and necessary for proper assembly and efficient working of the various equipment's and components of the work shall be deemed to have been included in the tender, irrespective of the fact whether such items are specifically mentioned in the tender or not.

## **INSPECTION AND TESTING BEFORE DISPATCH**

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For item/equipment requiring initial inspection at manufacturer's works, the contractor will intimate the date of testing of equipment at the manufacturer's works before dispatch, if so desired by the BOM, AOA, KV-II. Society also reserves the right to inspect the fabrication job at factory and successful bidder has to make arrangement for the same. Contractor shall give sufficient advance notice regarding the dates proposed for such tests/inspection to BOM, AOA, KV-II representative to facilitate his presence during testing/inspection. BOM, AOA, KV-II at his discretion may witness such testing/inspection.

### **TEST CERTIFICATE**

Copies of all documents for routine, acceptance and type test certificates of the equipment carried out at the manufacturers premise shall be furnished to AOA, KV-II along with supply of the equipment.

### **STORAGE AND CUSTODY OF MATERIALS**

The lift machine room may be used for storage of sundry materials and erection of equipment, if available or else the contractor has to make his own arrangement. No separate storage accommodation shall be provided by the AOA, KV-II. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor till final taking over of the installation by AOA, KV-II.

### **CARE OF THE BUILDING**

Care shall be taken by the contractor while handling and installing various equipment and components of work to avoid damage to the building. He shall be responsible for repairing of all such damages and restoring the same to original finish at his cost. He shall also remove all unwanted and waste materials arising out of installation from the site of work from time to time.

### **COMPTETION PERIOD**

The completion period indicated in tender documents is for entire work of planning, designing, supplying, and installation, testing, commissioning and handing over the entire system to the satisfaction of BOM, AOA, KV-II.

## **FINAL INSPECTION AND TESTING**

When the installation is complete, the contractor shall arrange for inspection and testing of the installation. Test results obtained shall be recorded. The installation shall not be accepted until it complies with the requirement of these Specifications. The lift installation shall be got inspected by the contractor from lift inspector and obtain their clearance. All the observations/ deficiencies pointed out by the inspecting authorities shall be complied by the contractor on priority. The AOA, KV-II shall render all help and pay mandatory charges to inspection authorities, if any, in this regard.

## **QUALITY OF MATERIALS AND WORKMANSHIP**

The components of installation shall be of such design so as to satisfactorily function under all conditions of operation. The entire work of manufacture/fabrication, assembly and installation shall conform to sound engineering practice. The entire installation shall be such as to cause minimum transmission of noise and vibration to the building structure. All equipment and materials to be used in work shall be manufactured in factories of good repute having excellent track record of quality, manufacturing, performance and proper after sales service.

## **STATUTORY CLEARANCES**

The contractor shall obtain necessary clearance from the concerned statutory body including permission, approval of drawings and necessary documents etc as per the mandatory requirements prevailing in the NCR/Delhi for Electrical Installation as required. Necessary fee, if any, shall be paid by the contractor and reimbursement shall be made by AOA, KV-II as extra on production of original fee receipt.

## **COMPLIANCE WITH REGULATIONS AND INDIAN STANDARDS**

All work shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian standards.

## **INDEMNITY AND INSURANCE**

The successful bidder shall at all times indemnify the society, consequent on this works contract. The successful bidder shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the AOA, KV-II shall not be

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responsible for any accident or damage incurred or claims arising there from during the period of erection. Responsibility lies with successful bidder in construction and putting into operation the equipment and ancillary equipment. The successful 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 bidder due to the above.

### **DATE OF ACCEPTANCE**

The contractor shall operate the installed lifts for a period of ten days after it is energized. The date of taking over of the installed lifts shall be reckoned after its trouble-free operation during the running in period.

### **GUARANTEE**

All equipment shall be guaranteed for a period of 36 month, from the date of taking over the installation by AOA, KV-II, against unsatisfactory performance and/or break down due to defective design, workmanship or material. The equipment 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 BOM, AOA, KV-II. In case it is felt by the AOA, KV-II that undue delay is being caused by the contractor in doing this, the same will be got done by the AOA, KV-II at the risk and cost of the contractor. The decision of the In-charge Electricals and Lifts, AOA, KV-2 in this regard shall be final & binding on the contractor. The tender shall guarantee among other things, the following

1. Quality, strength and performance of the materials used.
2. Safe mechanical and electrical stress on all parts under all specified conditions of operation.
3. Satisfactory operation during the maintenance period.
4. Performance figures and other particulars as specified by the tenderer under schedule of guaranteed technical particulars.

### **POWER SUPPLY, WATER SUPPLY AND DRAINAGE**

Power supply, water supply shall be made available to the contractor by the department free of cost at only one point for installation. Drain trap in plant room shall be provided by AOA, KV-II. However, contractor shall connect the drain pipe, valve etc. from equipment to drain.

**MOBILIZATION ADVANCE**

No mobilization advance shall be paid.

**TERMS OF PAYMENT**

The following percentage of contract rates for various items included in the contract shall be payable against the stage of work shown herein

i. 50% after initial inspection and delivery at site in good condition on prorate basis.

ii. 30% after completion of installation in all respects.

iii. 20% after testing, commissioning, trial run and handing over to society.

This also includes successful inspection by lift inspector, as required.

**Note: KV-2 AOA reserves the right to terminate the order at any stage after paying for the completed job at prorate basis.**