

UTTAR PRADESH METRO RAIL CORPORATION LIMITED

BIDDING DOCUMENT

FOR PROCUREMENT OF

CONTRACT PACKAGE:

LKE(02)-02: “Design, Manufacturing, Supply, Installation, Testing and Commissioning of Heavy Duty Machine Room Less Elevators and Heavy Duty Escalators including Maintenance during 2 Year Defect Liability Period (DLP) and 01 (one) year comprehensive Annual Maintenance beyond DLP Period for Lucknow, Kanpur & Agra Mass Rapid Transport System Project under the Contract LKE(02)-02.”

Part 1: Bidding Procedure

SECTION-IV: Sub Section B Price

Schedule

a. Preamble of BOQ

UTTAR PRADESH METRO RAIL CORPORATION LTD.

Price Schedule

PREAMBLE

1. GENERAL REQUIREMENTS

1.1 The Tenderer's attention is drawn to the General Conditions of Contract, Special Conditions of Contract and Employer's Requirements (General Specifications Particular Specifications), SHE Manual which are to be read in conjunction with the Bill of Quantities. This Preamble will serve as a definitive guide to the terms of payment.

1.2 This Contract is a LKE(02)-02: "Design, Manufacturing, Supply, Installation, Testing and Commissioning of Heavy Duty Machine Room Less Elevators and Heavy Duty Escalators including Maintenance during 2 Year Defect Liability Period (DLP) and 01 (one) year comprehensive Annual Maintenance beyond DLP Period for Lucknow, Kanpur & Agra Mass Rapid Transport System Project under the Contract LKE(02)-02, including but not limited to:

- plans and programmes, test procedures, interface co-ordination meetings and documents; drawings, design calculations, and schedules safety, and quality plans, etc;
- offshore manufacture/procurement; operation of quality assurance programme at places of manufacture; carrying out of type tests, prototype tests, factory acceptance tests, tests before shipment; and the associated provision of necessary test equipment, tools and materials; inspection, packing, crating, storage and transit to site;
- manufacture/procurement in India; operation of quality assurance programme at places of manufacture; carrying out of type tests, prototype tests, factory acceptance tests, tests before shipment; and the associated provision of necessary test equipment, tools and materials; inspection, packing, crating, Port Handling and Clearance for offshore products, including temporary storage;
- loading and transportation of imported and ex-works India to approved storage in Lucknow, Kanpur & Agra.
- installation/erection (including provision of temporary services as required) and mounting all in accordance with the specifications, erection, aligning, fasteners and securing devices, adjusting as necessary, installation of power and monitoring devices;

- testing and putting to work of all plant and equipment, sub-systems, and systems,

- testing, retesting, fault finding, adjustments and reworking as necessary, submittal of all test reports;
- attendance upon statutory authorities' inspections and tests, completion of all modifications to meet authorities' approval and arranging approval from such authorities;
 - maintenance of heavy-duty machine room less elevators and heavy-duty escalators by the Contractor during the specified period.
 - inspection and maintenance of installed plant and equipment;
 - O&M Documentation, Transfer of Technology and other obligations;
 - Operation, Maintenance and Spare Parts management, Manuals, including preparation;
 - As-Built Drawings including preparation, submission, all subsequent revisions, changes required and re-submittals as necessary;
 - Validation of RAM data as per the actual performance obtained during DLP as per employers' requirement.
 - supplying all tools, special tools, and special test instruments and equipment;
 - training of Employer's Staff in different disciplines overseas and in India

1.3 Taxes, Levies, Duties, Cess, etc.

While quoting the rates, the tenderer is advised to take into consideration provision of Clause 11 of General Conditions of Contract.

1.4 Following Corridors/ Sections are covered under this Package: -

- Phase1B East-West Corridor of Lucknow
- Some Quantities for Agra/Kanpur Corridor-1&2
- Agra Staff Colony

1.5 Units and Currency

All sizes and quantities entered in the Bills of Quantities are in metric units unless specified otherwise.

The estimate is prepared in INR. The tenderer shall fill/ quote percentage (%) above/ below/ at par (in both Figures and Words) as provided in the BOQ Format. The Bidder may note that the Item-wise price to be paid shall be derived after applying percentage (%) quoted above/ below/ at par by the Bidder in the BOQ Format.

The Tenderer shall fill their offer in percentage w.r.t. total estimated cost (or as specified in the footnote of each statement), for each statement item of the various Statements, provided that he should consider it a reimbursable item, on the basis of the Tender Documents and pre-tender meeting and site visits.

1.6 Rates and Sums to be for Complete Work

Tenderers shall be deemed to have read the Employer's Requirements and other parts of the Tender Documents to ascertain the full scope of the requirements included in each item prior to filling in the rates and prices. The Statements of Prices do not describe the Works completely in all respects and reference must be made to the Conditions of Contract and the Employer's Requirements on the detailed scope. No claim shall be considered in respect of any omission or alleged omission in the Statement of Prices of any cost required to bring the Works to completion.

Notwithstanding any limits that may be implied by wording of the individual items and/or explanations in the Preamble, the rates and sums in the Statement of Prices, shall be for the work finished complete in every respect.

The Tenderer shall be deemed to have taken full account of all requirements, liabilities, obligations and risks, whether expressed or implied, and to have priced the items accordingly. The items in the Statement of Prices are the only items against which payment will be made. The cost of any item of work not specifically described in the Statement of Prices but required for the execution of the Contract shall be allowed for in the unit rates for the items in the Statement of Prices. The rates and prices shall be deemed to be inclusive of labour, material, equipment, overheads, profits and all other direct and incidental costs of whatever nature and risks of every kind necessary to design, manufacture, deliver, install, test and commission (including Integrated Testing and Commissioning) complete, and remedying any defects in the whole of the Works in accordance with the Contract and fulfillment of Tenderer's obligations under the Contract and shall bear a proper relationship to the cost of carrying out the work described.

In case of (Quantity) Variation order for Heavy Duty Machine Room Less Elevators or Heavy-Duty Escalators, the Statement of Prices -1 will be applicable as per Employer's requirements and will be specified in the Variation Order.

1.7 Allowances in rates

Full allowance shall be made in the rates and sums against the various items in the Statement of Prices and Quantities for all costs involved in performing the Works except to the extent that work is specifically described and paid for in the Statement of Prices. The list below is not exhaustive and the Tenderers are expected to take all costs involved while quoting the rates that will not be subject to variation on any account.

- i) all setting out and survey work;
- ii) payment of all patent rights and royalties;
- iii) safety precautions and all measures to prevent damage and suppress fire and other hazards;
- iv) the protection and safety of UPMRC trains and services;
- v) supplying, maintaining and removing on completion the Contractor's own accommodation, offices, depots, stores, workshops, transport, welfare services and other facilities including telephones and facsimile machines and all charges in connection therewith;
- vi) the supply, inspection and testing of materials and of the Works as specified including the provision and use of equipment and arrangements for the "Engineer" and others;
- vii) maintaining public access within operating stations;
- viii) providing transporting to the Site, setting to work, operating (including all fuel and consumable stores), maintaining and removing from the Site upon completion all Construction Plant and Contractor's Equipment necessary for the execution of the Works and including the cost of all tests and other requirements in respect of such plant and equipment;
- ix) working adjacent to or across existing services and installations;
- x) complying with the requirements of the Employer in regard to Safety and Health, and Quality Assurance;
- xi) co-ordination and interference to the Works by the works of Designated Contractors and others employed by employer being legitimate users of the facilities on or in the vicinity of the Site;
- xii) remedying of defects and shrinkage, and works of amendment, reconstruction,

replacement of other faults, fair wear and tear excepted, during Defects Liability Periods;

- xiii) protection to be implemented against Electro-magnetic effects;
- xiv) insurance, including all risks in supply, erection, storage, transit, third party, Workmen's compensation and the like;
- xv) tools and test equipment required for all tests prior and after delivery;
- xvi) license/registration (if required) from state government.
- xvii) clearance from UP State Fire Services (if required)

1.8 Tender Pricing

The Tenderer shall take note of actual site conditions and the estimated quantities entered in the various bills. The Tenderer shall price his tender accordingly and the unit prices against a bill line item shall be the full and only price paid for all work performed against that item except as described in the Tender Documents.

If same item or equipment is appearing in different sub-items of a Bill or in different Bills, the Unit rate of the equipment shall be the same at all places and if they are shown as different at different places, the minimum of all the unit rates for the same item shall alone be acceptable.

The Tenderer may note that all financial bids/ offers shall be evaluated in INR currency only as quoted by the bidders in BOQ i.e. considering % above / below/ at par of the total BOQ amount.

2. CONTENTS OF THE STATEMENT OF PRICES

- 2.1.** The Pricing Document for Base tender is divided into separate Statements of Prices as follows:

Part-A (Elevators)		
S. No.	Statement of Prices (SOP)	Description
1.	SOP-1	Passenger Rise Wise Lifts rate
2.	SOP-2	O & M Documentation, As-built drawings, etc. (Five sets for each corridor) including Transfer of Technology and all other obligations And Design, Supply, Erection, Testing and Commissioning of Simulator for Troubleshooting and O&M Training
3.	SOP-3	Training of Employer's Staff and Submission of Training manuals, interactive CD etc. to meet Employer's Requirement
4.	SOP-4A	Recommended Consumable Spares for Two Years
5.	SOP-4B	Price for Unit Exchange Spares
6.	SOP-5A	Prices of Tools and Tackles
7.	SOP-5B	Recommended Spare Parts for 2 years during DLP
8.	SOP-6A	Adjustment Price for addition of landing in the particular vertical rise of elevator (i.e. Landing per rate)
9.	SOP-6B	Price for Providing Re-Generative Braking System with VWF drive
10.	SOP-6C	Adjustment Price for "Through Door Arrangement Elevators"
11.	SOP-6D	Price for Floating/Hanging Pit Elevators
12.	SOP-6E	Adjustment Price for using Roller Guiding Shoes in place of Sliding Guiding Shoes
13.	SOP-6F	Adjustment Price for change of Car Rear Panel from Stainless Steel to Glass
14.	SOP-6G	Price for providing Thin Film Transistor (TFT) display inside elevator car
15.	SOP-6H	Price for Providing CCTV Camera inside lift car
16.	SOP-6I	Adjustment Price for Addition of Vertical Rise in Lift
17.	SOP-7	Price for Comprehensive Annual Maintenance of Elevators beyond 02 years Defect Liability Period
Part-B (Escalators)		
SN	SOP	Description
1	SOP- 1	Rise Wise Escalators
2	SOP- 2	O&M Documentation , Transfer of Technology and other obligations as per Tender Document
3	SOP- 3	Training of Employer's Staff
4	SOP- 4A	Consumable Spares for two years
5	SOP- 4B	Unit Exchange Spares

6	SOP- 5A	Tools and Tackles
7	SOP- 5B	Recommended Spare Parts for 02 years during DLP
8	SOP- 6A	Adjustment Price for Addition of Vertical Rise in Escalator
9	SOP- 6B	Unit Price for Galvanized Sheet Steel and Stainless Steel
10	SOP- 7	Prices for Annual Maintenance Charges for 1 (One) years beyond Defect Liability Period.
Part-C (Agra Staff Quarters Elevators)		
1	SOP-1	Design, Manufacture, Supply, Installation, Testing and commissioning of Machine-Room Less Elevators and all other associated works including maintenance during 1-year DLP
2	SOP-2	Price for 2 (Two) years Comprehensive Annual Maintenance Contract beyond Defect Liability Period. (Including CCTV system)

2.2. The Statements do not generally give a full description of the plant and equipment to be supplied and the services to be performed under each item. Tenderers shall be deemed to have read the Employer's Requirements to ascertain the full scope of requirements included in each item. The Contractor shall carry out all the work necessary to meet the Employer's Requirements.

2.3. If Tenderers are unclear of any item, they shall seek clarification in accordance with the Instructions to Tenderers prior to submitting their tender.

2.4. Contents of the Statement of Prices for Elevators

2.4.1 Statement of Prices-1:- Rise Wise Elevators

This Statement shall cover all work necessary to include but not be limited to: preparation, submission, and all subsequent revisions, changes required and re-submittals as required by the Employer's Requirements until "Notice of No Objection" or "Notice of No Objection subject to" has been issued by the "Engineer" for:

(a) Design, Manufacture and Supply of elevators.

- documents, drawings, design calculations;
- Submission of RAM Report Based on the Design Calculation. (RAM Report is to be validated as per employers requirement)
- establishing and carrying out of manufacture/procurement;

- operation of quality assurance program at places of manufacture;
- conduct type tests, prototype tests, factory acceptance tests, tests before shipment;
- inspection, packing, crating, insurance, shipping to Port of entry India, including insurances, bank guarantees, and transfer from factory to port and all storage costs at factory and port;

(b) Port Handling, Port Clearance, Local Transportation to site, insurance, Storage in approved Warehousing.

- Heavy duty machine room less elevators with all ancillary equipment and components including spares and tools to be supplied from outside India;
 - Port Handling;
 - Clearance of imports;
 - Temporary storage.
- heavy duty machine room less elevators with all ancillary equipment and components including spares and tools to be supplied;
 - loading and transportation to site of imported plant and equipment;
 - Loading and transportation of indigenously manufactured plant and equipment, ex- works to Lucknow.
- unloading and storage of all heavy duty machine room less elevators together with all ancillary equipment including mandatory spares and tools to be supplied for each Section in secure warehousing under cover which meets the requirements of the "Engineer".
- loading at storage in Lucknow and transportation to site, off-loading and moving to point of installation;
- Tenderers are requested to take note of the space constraints at station locations which may result into providing storage space(s) away from station locations. Tenderers have to make their own arrangement at their own cost for transportation of material from storage space(s) to station location(s) nothing extra shall be paid for the same.

(c) Installation Services, Testing, Commissioning including integrated testing

and commissioning

- preparation for installation/erection (including provision of temporary services as required)
 - mounting all in accordance with the Employer's Requirements;
 - erection, aligning;
 - fasteners and securing devices, adjusting as necessary;
 - installation of power and monitoring devices;
 - provision and use of civil and building materials and products
 - making good and clearing the location on completion
 - testing and putting to work of all plant and equipment, sub-systems, and systems;
 - integrated testing and commissioning plan;
 - tools, instruments, tackles and documents required;
 - attendance upon the "Engineer";
 - testing, retesting, fault finding, adjustments and reworking as necessary;
 - submittal of all test reports and other documents as required by the "Engineer" under the Contract;
 - attendance upon statutory authorities inspections and tests, completion of all modifications to meet authorities approval and arranging approval from such authorities;
- (d) Maintenance of installed Heavy duty machine room less elevators for each Section, during the Specified Defect Liability Periods.**
- This item shall cover all work necessary to include but not be limited to:
 - employment of approved staff;
 - replacement as required by the Employer;
 - inspection of installed plant and equipment relating to each Heavy duty machine room less elevators installed on each Section;
 - transport, labour, contractor's equipment;
 - submittal of inspection documents as required

- maintenance of installed plant and equipment relating to each heavy duty machine room less elevators installed on each Section;
 - testing, retesting, fault finding, adjustments and reworking as necessary;
 - replacement parts, materials, consumables;
- Validation of RAM report submitted during design approval stage based on actual performance obtained during the DLP in compliance with the employers requirement.
- DLP spares and Tools.

2.4.2 Statement of Prices 2:- O & M Documentation, As-built drawings, etc. (Five sets for each corridor) including Transfer of Technology and all other obligations And Design, Supply, Erection, Testing and Commissioning of Simulator for Troubleshooting and O&M Training

- This item shall cover all work necessary to include but not be limited to:
 - operation, Maintenance and Spare Parts Manuals
 - preparation, submission, and all subsequent revisions, changes as required by the "Engineer";
- As-Built Drawings
 - preparation, submission, all subsequent revisions, changes required and re-submittals as necessary until accepted by the "Engineer";
- Transfer of Technology to designated recipients;
- Simulator for troubleshooting and maintenance training

2.4.3 Statement of Prices 3:- Training of Employer's Staff in different disciplines overseas and in India in accordance with the Employer's Requirements.

- This item shall cover all work necessary to include but not be limited to:
 - preparation, submittal and all subsequent revisions as required by the "Engineer" of:
 - training manuals, curricula, etc.,

- provision and maintenance of training facilities;
- Troubleshooting & maintenance training of approved employer's staff

- 2.4.4. Statement of Prices 4 (A):-** Consumable Spares for two years
- 2.4.5. Statement of Prices 4 (B):-** Price for Unit Exchange Spares
- 2.4.6. Statement of Prices 5 (A):-** Prices of Tools & Tackles
- 2.4.7. Statement of Prices 5 (B):-** Recommended spare parts for 2 years during DLP
- 2.4.8. Statement of Prices 6 (A):-** Adjustment Price for addition of landing in the particular vertical rise of elevator (i.e. Landing per rate
- 2.4.9. Statement of Prices 6 (B):-** Price for Providing Re-Generative Braking System with VWF drive
- 2.4.10. Statement of Prices 6 (C):-** Adjustment Price for "Through Door Arrangement Elevators"
- 2.4.11. Statement of Prices 6 (D):-** Price for Floating/Hanging Pit Elevators
- 2.4.12. Statement of Prices 6 (E):-** Adjustment Price for using Roller Guiding Shoes in place of Sliding Guiding Shoes
- 2.4.13. Statement of Prices 6 (F):-** Adjustment Price for change of Car Rear Panel from Stainless Steel to Glass
- 2.4.14. Statement of Prices 6 (G):-** Price for providing Thin Film Transistor (TFT) Display inside elevators car as per PS clause 6.27.11
- 2.4.15. Statement of Prices 6 (H):-** Price for Providing CCTV Camera inside lift
- 2.4.16. Statement of Prices 6 (I):-** Adjustment Price for Addition of Vertical Rise in Lift
- 2.4.17. Statement of Prices 7:-** Prices for Comprehensive Annual Maintenance Charges for 1 year beyond Defect Liability Period

2.5. Contents of the Statement of Prices for Escalators

2.5.1 Statement of Prices-1:- Rise Wise Escalators

This Statement shall cover all work necessary to include but not be limited to:

preparation, submission, and all subsequent revisions, changes required and re-submittals as required by the Employer's Requirements until "Notice of No Objection" or "Notice of No Objection subject to" has been issued by the "Engineer" for:

(a) Design, Manufacture and Supply of elevators.

- documents, drawings, design calculations;
- Submission of RAM Report Based on the Design Calculation. (RAM Report is to

be validated as per employers requirement)

- establishing and carrying out of manufacture/procurement;
- operation of quality assurance program at places of manufacture;
- conduct type tests, prototype tests, factory acceptance tests, tests before shipment;
- inspection, packing, crating, insurance, shipping to Port of entry India, including insurances, bank guarantees, and transfer from factory to port and all storage costs at factory and port;

(b) Port Handling, Port Clearance, Local Transportation to site, insurance, Storage in approved Warehousing.

- Heavy duty escalators with all ancillary equipment and components including spares and tools to be supplied from outside India;
 - Port Handling;
 - Clearance of imports;
 - Temporary storage.
- heavy duty escalators with all ancillary equipment and components including spares and tools to be supplied;
 - loading and transportation to site of imported plant and equipment;
 - Loading and transportation of indigenously manufactured plant and equipment, ex- works to Lucknow.
- unloading and storage of all heavy duty escalators together with all ancillary equipment including mandatory spares and tools to be supplied for each Section in secure warehousing under cover which meets the requirements of the "Engineer".
- loading at storage in Lucknow and transportation to site, off-loading and moving to point of installation;
- Tenderers are requested to take note of the space constraints at station locations which may result into providing storage space(s) away from station locations. Tenderers have to make their own arrangement at their own cost for transportation of material from storage space(s) to station location(s) nothing extra

shall be paid for the same.

(c) Installation Services, Testing, Commissioning including integrated testing and commissioning

- preparation for installation/erection (including provision of temporary services as required)
 - mounting all in accordance with the Employer's Requirements;
 - erection, aligning;
 - fasteners and securing devices, adjusting as necessary;
 - installation of power and monitoring devices;
 - provision and use of civil and building materials and products
 - making good and clearing the location on completion
- testing and putting to work of all plant and equipment, sub-systems, and systems;
 - integrated testing and commissioning plan;
 - tools, instruments, tackles and documents required;
 - attendance upon the "Engineer";
 - testing, retesting, fault finding, adjustments and reworking as necessary;
 - submittal of all test reports and other documents as required by the "Engineer" under the Contract;
- attendance upon statutory authorities inspections and tests, completion of all modifications to meet authorities approval and arranging approval from such authorities;

(d) Maintenance of installed Heavy escalators for each Section, during the Specified Defect Liability Periods.

- This item shall cover all work necessary to include but not be limited to:
 - employment of approved staff;
 - replacement as required by the Employer;
- inspection of installed plant and equipment relating to each Heavy duty machine room less elevators installed on each Section;

- transport, labour, contractor's equipment;
- submittal of inspection documents as required
- maintenance of installed plant and equipment relating to each heavy duty machine room less elevators installed on each Section;
 - testing, retesting, fault finding, adjustments and reworking as necessary;
 - replacement parts, materials, consumables;
- Validation of RAM report submitted during design approval stage based on actual performance obtained during the DLP in compliance with the employers requirement.
- DLP spares and Tools.

2.5.2 Statement of Prices 2:- O & M Documentation, As-built drawings, etc. (Five sets for each corridor) including Transfer of Technology and all other obligations And Design, Supply, Erection, Testing and Commissioning of Simulator for Troubleshooting and O&M Training

- This item shall cover all work necessary to include but not be limited to:
 - operation, Maintenance and Spare Parts Manuals
 - preparation, submission, and all subsequent revisions, changes as required by the "Engineer";
- As-Built Drawings
 - preparation, submission, all subsequent revisions, changes required and re-submittals as necessary until accepted by the "Engineer";
 - Transfer of Technology to designated recipients;
 - Simulator for troubleshooting and maintenance training

2.5.3 Statement of Prices 3:- Training of Employer's Staff in different disciplines overseas and in India in accordance with the Employer's Requirements.

- This item shall cover all work necessary to include but not be limited to:
 - preparation, submittal and all subsequent revisions as required by the

"Engineer" of:

- training manuals, curricula, etc.,
- provision and maintenance of training facilities;

2.5.4 Statement of Prices 4 (A):- Consumable Spares for two years

2.5.5 Statement of Prices 4 (B):- Price for Unit Exchange Spares

2.5.6 Statement of Prices 5 (A):- Prices of Tools & Tackles

2.5.7 Statement of Prices 5 (B):- Recommended spare parts for 2 years during DLP

2.5.8 Statement of Prices 6 (A):- Adjustment Price for addition of landing in the particular vertical rise of elevator (i.e. Landing per rate

2.5.9 Statement of Prices 6 (B):- Price for Providing Re-Generative Braking System with VWF drive

2.5.10 Statement of Prices 7:- Prices for Comprehensive Annual Maintenance Charges for 1 year beyond Defect Liability Period

2.6 Annexure-13A Performa for Minor Deviations

3. TERMS OF PAYMENT FOR ELEVATORS

3.1 The measurement and payment described is for the purpose of making a valuation of the work acceptable to the Engineer, and Interim Payments to the Contractor, as work proceeds. The works as executed will be measured for assessment of progress for interim payments in accordance with the method adopted in the Measurement Procedure, Specification, and Bill of Quantities and under the items as set forth notwithstanding any custom to the contrary.

3.2 Notwithstanding anything stated herein the "Engineer" retains the right to withhold payment on any pay item due for payment when the service to be performed is not performed, or is not carried out to the "Engineer's" satisfaction.

3.3 Statement of Prices 1:- Rise Wise Elevators

The amount shall be the total price to be paid for the design, manufacture, Supply Installation Testing and Commissioning of heavy duty machine room less elevators and/or procurement of all heavy duty machine room less elevators together with all ancillary equipment and components to be supplied

The stage payment under this statement will be released as per the following milestones:-

S. No	Milestone No	Description	%age of Unit Rate
1	Milestone No -1	Design of heavy duty machine room less elevators	5%
2	Milestone No - 2	Manufacturing and Supply of the heavy duty machine room less elevators	60%
3	Milestone No - 3	Port Handling, Port Clearance, Local Transportation, offloading and moving to the point of installation etc.	10%
4	Milestone No - 4	Installation	10%
5	Milestone No - 5	Integrated Testing & Commissioning including RMS works and CCTV works	5%
6	Milestone No - 6	Issue of Taking over Certificate	5%
7	Milestone No - 7	Maintenance during Defect Liability Period	5%

A. Statement of Price-1 (Milestone-1) of the price for each heavy duty machine room less elevator shall be payable when a "Notice of No Objection" or "Notice of No Objection subject to" has been issued by the "Engineer" in respect of the design and other documents (RAM report etc) for each elevator. Compensation shall include for the preparation, submission, and all subsequent revisions, changes required and re-submittals as necessary during the design phase as required by the "Engineer" for documents, drawings, design calculations, test procedures.

B. Statement of Prices -1(Milestone-2) of the price for each heavy duty machine room less elevators shall be payable After delivery to the "Engineer" of evidence of dispatch documents in favour of the Employer and delivery of:

- Bill of Lading;
- certificate of type tests;
- certification of Factory Acceptance tests;
- Provision of Safe Custody Bank Guarantee /
- proof of Marine insurance;

for each shipment or consignment in case of off-shore supply.

OR

In case of Ex-Works India, after delivery of materials to storage in Lucknow/Kanpur/Agra and upon submission of following documents:

- Proof of dispatch;
- Package list
- certificate of type tests;
- certification of Factory Acceptance tests;
- Provision of indemnity bond as per clause
- proof of inland transport insurance;
- Any other documents

for each shipment or consignment.

Compensation under Milestone - 2 shall include for the establishing and carrying out of manufacture/procurement; operation of quality assurance programme at places of manufacture; carrying out of type tests, prototype tests, factory acceptance tests, tests before shipment; inspection, packing, crating, shipping to Port of entry India, including insurances, bank guarantees, and transfer from offshore factory to port and all storage costs at factory and port etc.

- B. Statement of Prices -1 (Milestone-3)** of the price for each heavy duty machine room less elevators shall be payable for Port Handling, Port Clearance, Local Transportation to Lucknow/Kanpur/Agra Storage in approved Warehousing, loading at storage points or warehouses and transportation to site, offloading and moving to the point of installation.

Payment shall be made for each elevator for delivery to point of installation in Lucknow/Kanpur/Agra on inspection and acceptance by the "Engineer".

Compensation under Milestone-3 shall include for the all custom clearance activities including all formalities, liaising with the custom authority / custom house agents as well as transportation of goods to the site in Lucknow/Kanpur/Agra.

- C. Statement of Prices -1 (Milestone-4)** of the price for each heavy duty machine room less elevators shall be paid for Installation Services

Prices for installation/erection of items of plant and equipment shall be for the full compensation for the installation/erection of plant and equipment in accordance with the

drawings and specifications. Compensation shall include for all costs incurred for transporting to location, off-loading and moving to point of installation/erection; provision of specified foundations; preparing for installation/erection and mounting on foundations; supply of left out items, aligning, fastenings and securing devices; adjusting as necessary, making good and clearing the location on completion, all to the approval of the Engineer. Payment will be made for each item of installed plant and equipment completed and accepted by the Engineer.

D. Statement of Prices -1 (Milestone-5) Integrated Testing & Commissioning including RMS works and CCTV works

- E. Testing and commissioning shall be full compensation for the testing and commissioning of Plant and equipment forming the Works in accordance with the specifications. Compensation shall include for preparation, submittal, and revisions as required by the Engineer of testing plans and procedures; co-ordination with other Designated Contractors; conduct of approved tests as directed by the Engineer on equipment, sub-systems, and systems; revisions, re-testing, fault finding, adjustments and reworking as necessary; submittal of all test reports and other documents all to the approval of the Engineer. The price shall include As-Built drawing preparation, submission, and all subsequent revisions, changes required and re-submittals as necessary as required by the specifications until accepted by the Engineer. Payment will be made after certification by the Contractor and acceptance by the Engineer that the sub-systems and systems, including all equipment have successfully completed as per the test procedures, and have been set-to-work and that all test results and other documentation, as described in the specifications, have been approved by the Engineer.

- F. **Statement of Prices -1 (Milestone-6)** of the price for each heavy duty machine room less elevators shall be paid after completion of Integrated Testing & Commissioning, including the RMS and CCTV works at OCC and issue of taking over certificate by the Employer.

G. Statement of Prices -1 (Milestone-7)

Price of DLP shall be Full compensation for the maintenance by the Contractor staff (as per DLP policy) including supply of spares during DLP (as per Spare Policy) and all maintenance tools / tackles for the plant and equipment supplied under the contract in accordance with the specifications during defect liability period. Compensation shall include for the approval of the supervisors and replacement as required by the Employer, employment of approved staff including salaries, overtime, airfares, lodging allowances,

their office expenditure, telephones/mobile bills, local travel costs to and from site, training materials, income tax and other taxes deducted at source. Payment shall be made on quarterly basis on certification by the Employer for completion of maintenance activity as per approved DLP maintenance schedule. Please refer provisions of Spare Policy attached as Appendix-E in Volume-3 Particular Specifications. However, payment of all maintenance work completed in last quarter and remaining amount (under this head/section) based on previous quarter payments for last quarters of DLP period shall only be processed / paid once, the Performance Certificate is issued by Employer for works to tenderer/contractor.

3.4 Statement of Prices - 2 - O&M Documentation, Transfer of Technology and all other items required by the Tender Documents.

The amount entered shall be the total price to be paid for O&M Documentation, Transfer of Technology and all other items required by the Tender Documents.

Shall be full compensation for all direct and incidental costs relating to the Works in Statement 2: Payment shall be for:

- Operation, Maintenance Manuals, including preparation, submission, and all subsequent revisions, changes as required by the "Engineer";
- As-Built Drawings including preparation, submission, all subsequent revisions, changes required and re-submittals as necessary until accepted by the "Engineer";
- Interactive Training Manuals including preparation, submission, all subsequent revisions, changes required and re-submittals as necessary until accepted by the "Engineer";
- Transfer of Technology to designated recipients;
- Simulator for troubleshooting and maintenance training

On the basis of:

- 100% payment on delivery to and acceptance by the Employer of the Manuals, as built drawings, transfer of technology for the relevant section.
- 100 % payment on delivery to and acceptance by the Employer of the Simulator for troubleshooting and maintenance training. **In case of non-delivery of simulator, penalty of 5 times of BOQ price shall be imposed.**

No payment shall be made for all other requirements set out in the Tender Documents not expressly stated above and shall be deemed to be included in other prices.

3.5 Statement of Prices - 3 - Training of Employer's Staff

The amount entered shall be the total price to be paid for Training of Employer's Staff in different disciplines overseas and in India in accordance with the Employer's Requirements.

Shall be full compensation for all direct and incidental costs relating to the Works in SOP-3: Payment shall be for:

- all direct and incidental costs for training of Employer's staff including the preparation, submittal and all subsequent revisions as required by the "Engineer" of training manuals, curricula, etc., provision and maintenance of training facilities; employment of approved training staff, and all associated costs and travel costs;
- Troubleshooting and Maintenance Training of approved Employer staff

Payment shall be made on the basis that 100% payment shall be made for the items included in this statement when completed to the satisfaction of the "Engineer".

3.6 Statement of Prices - 4(A), 4(8), 5(A), & 5(8) - Supply of Consumable Spares for two years, unit exchange, tools & tackles and recommended spares parts for two years during DLP

3.7 BOQ Prices for spares shall be full compensation for supplying the spare parts for the equipment, sub-systems, and systems provided under the Contract in accordance with the specifications compensation shall include provision of all spare parts and lists as required by the specifications complete in every respect, fully catalogued and marked for identification purposes for each discipline and to the approval of the Engineer. Payment shall be made when all spare parts and associated documentation have been delivered to the Employer and accepted by the Engineer. Please refer Spares Policy for contracts with CAMC provisions attached as Appendix- C.

3.8 Statement of Prices - 6(A), 6(8), 6(C), 6(D), 6(E), 6(F), 6(G), 6(H)

- (1) 90% Eligible payment shall be paid after complete Installation Services Testing and Commissioning as per employers requirement (after Statement of Price-1(Milestone-5) milestone issuance)
- (2) 10% Eligible payment shall be paid after issue of taking over certificate by Employer

3.9 Statement No CAMC: - Price for each elevator shall be paid for Maintenance of elevators during CAMC.

Prices for one years CAMC beyond two-year DLP for the items shall be compensated on quarterly-basis for the maintenance of installed equipment in accordance with the specifications. Compensation shall include provision of pre-maintenance testing, maintenance, and post-maintenance testing including supply of Spare as per Spare Policy provisions, as required by the specifications, complete in every respect with operating instructions as necessary. The Scope of maintenance during CAMC shall be same as applicable during DLP for the listed items.

The cost of spare parts and consumables required for maintenance during CAMC period beyond DLP will be deemed to be inclusive in the prices for CAMC. Nothing extra will be paid for such spare parts and consumables.

CAMC price will be considered for bid evaluation while assessing the L-1 bidder.

4. TERMS OF PAYMENT FOR ESCALATORS

- 4.1 The measurement and payment described is for the purpose of making a valuation of the work acceptable to the Engineer, and Interim Payments to the Contractor, as work proceeds. The works as executed will be measured for assessment of progress for interim payments in accordance with the method adopted in the Measurement Procedure, Specification, and Bill of Quantities and under the items as set forth notwithstanding any custom to the contrary.
- 4.2 Notwithstanding anything stated herein the "Engineer" retains the right to withhold payment on any pay item due for payment when the service to be performed is not performed, or is not carried out to the "Engineer's" satisfaction.

4.3 Statement of Prices 1:- Rise Wise Escalators

The amount shall be the total price to be paid for the design, manufacture, Supply Installation Testing and Commissioning of heavy duty escalators and/or procurement of all heavy duty escalators together with all ancillary equipment and components to be supplied

The stage payment under this statement will be released as per the following milestones:-

S. No	Milestone No	Description	%age of Unit Rate
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1	Milestone No -1	Design of heavy duty escalators	5%
2	Milestone No - 2	Manufacturing and Supply of the heavy duty escalators	60%
3	Milestone No - 3	Port Handling, Port Clearance, Local Transportation, offloading and moving to the point of installation etc.	10%
4	Milestone No - 4	Installation	10%
5	Milestone No - 5	Integrated Testing & Commissioning including RMS works)	5%
6	Milestone No - 6	Issue of Taking over Certificate	5%
7	Milestone No - 7	Maintenance during Defect Liability Period	5%

A. Statement of Price-1 (Milestone-1) of the price for each heavy duty escalator shall be payable when a "Notice of No Objection" or "Notice of No Objection subject to" has been issued by the "Engineer" in respect of the design and other documents (RAM report etc) for each escalator. Compensation shall include for the preparation, submission, and all subsequent revisions, changes required and re-submittals as necessary during the design phase as required by the "Engineer" for documents, drawings, design calculations, test procedures.

B. Statement of Prices -1(Milestone-2) of the price for each heavy duty escalators shall be payable After delivery to the "Engineer" of evidence of dispatch documents in favour of the Employer and delivery of:

- Bill of Lading;
- certificate of type tests;
- certification of Factory Acceptance tests;
- Provision of Safe Custody Bank Guarantee /
- proof of Marine insurance;

for each shipment or consignment in case of off-shore supply.

OR

In case of Ex-Works India, after delivery of material to storage in Lucknow/Kanpur/Agra and upon submission of following documents:

- Proof of dispatch;
- Package list
- certificate of type tests;
- certification of Factory Acceptance tests;
- Provision of; Indemnity bond as per clause-_____
- proof of inland transport insurance;
- Any other documents

for each shipment or consignment.

Compensation under Milestone - 2 shall include for the establishing and carrying out of manufacture/procurement; operation of quality assurance programme at places of manufacture; carrying out of type tests, prototype tests, factory acceptance tests, tests before shipment; inspection, packing, crating, shipping to Port of entry India, including insurances, bank guarantees, and transfer from offshore factory to port and all storage costs at factory and port etc.

- C. Statement of Prices -1 (Milestone-3)** of the price for each heavy duty escalators shall be payable for Port Handling, Port Clearance, Local Transportation to Lucknow/Kanpur/Agra Storage in approved Warehousing, loading at storage points or warehouses and transportation to site, offloading and moving to the point of installation.

Payment shall be made for each elevator for delivery to point of installation in Lucknow/Kanpur/Agra on inspection and acceptance by the "Engineer".

Compensation under Milestone-3 shall include for the all custom clearance activities including all formalities, liaising with the custom authority / custom house agents as well as transportation of goods to the site in Lucknow/Kanpur/Agra.

- D. Statement of Prices -1 (Milestone-4)** of the price for each heavy-duty escalators shall be paid for Installation Services

Prices for installation/erection of items of plant and equipment shall be for the full compensation for the installation/erection of plant and equipment in accordance with the drawings and specifications. Compensation shall include for all costs incurred for transporting to location, off-loading and moving to point of installation/erection; provision

of specified foundations; preparing for installation/erection and mounting on foundations; supply of left out items, aligning, fastenings and securing devices; adjusting as necessary, making good and clearing the location on completion, all to the approval of the Engineer. Payment will be made for each item of installed plant and equipment completed and accepted by the Engineer.

E. Statement of Prices -1 (Milestone-5) Integrated testing and commissioning including RMS works.

Testing and commissioning shall be full compensation for the testing and commissioning of Plant and equipment forming the Works in accordance with the specifications. Compensation shall include for preparation, submittal, and revisions as required by the Engineer of testing plans and procedures; co-ordination with other Designated Contractors; conduct of approved tests as directed by the Engineer on equipment, sub-systems, and systems; revisions, re-testing, fault finding, adjustments and reworking as necessary; submittal of all test reports and other documents all to the approval of the Engineer. The price shall include As-Built drawing preparation, submission, and all subsequent revisions, changes required and re-submittals as necessary as required by the specifications until accepted by the Engineer. Payment will be made after certification by the Contractor and acceptance by the Engineer that the sub-systems and systems, including all equipment have successfully completed as per the test procedures, and have been set-to-work and that all test results and other documentation, as described in the specifications, have been approved by the Engineer.

F. Statement of Prices -1 (Milestone-6) of the price for each heavy duty escalators shall be paid after completion of Integrated Testing & Commissioning, including the RMS works at stations as well as at OCC and issue of taking over certificate by the Employer.

G. Statement of Prices -1 (Milestone-7)

Price of DLP shall be Full compensation for the maintenance by the Contractor staff (as per DLP policy) including supply of spares during DLP (as per Spare Policy) and all maintenance tools / tackles for the plant and equipment supplied under the contract in accordance with the specifications during defect liability period. Compensation shall include for the approval of the supervisors and replacement as required by the Employer, employment of approved staff including salaries, overtime, airfares, lodging allowances, their office expenditure, telephones/mobile bills, local travel costs to and from site, training materials, income tax and other taxes deducted at source. Payment shall be made on quarterly basis on certification by the Employer for completion of maintenance

activity as per approved DLP maintenance schedule. Please refer provisions of Spare Policy attached as Appendix-E of Volume-3 Particular Specifications. However, payment of all maintenance work completed in last quarter and remaining amount (under this head/section) based on previous quarter payments for last quarters of DLP period shall only be processed / paid once, the Performance Certificate is issued by Employer for works to tenderer/contractor.

4.4 Statement of Prices - 2 - O&M Documentation, Transfer of Technology and all other items required by the Tender Documents.

The amount entered shall be the total price to be paid for O&M Documentation, Transfer of Technology and all other items required by the Tender Documents.

Shall be full compensation for all direct and incidental costs relating to the Works in Statement 2: Payment shall be for:

- Operation, Maintenance Manuals, including preparation, submission, and all subsequent revisions, changes as required by the "Engineer";
- As-Built Drawings including preparation, submission, all subsequent revisions, changes required and re-submittals as necessary until accepted by the "Engineer";
- Interactive Training Manuals including preparation, submission, all subsequent revisions, changes required and re-submittals as necessary until accepted by the "Engineer";.
- Transfer of Technology to designated recipients;
- Simulator for troubleshooting and maintenance training

On the basis of:

- 100% payment on delivery to and acceptance by the Employer of the Manuals, as built drawings, transfer of technology for the relevant section.
- 100 % payment on delivery to and acceptance by the Employer of the Simulator for troubleshooting and maintenance training. **In case of non-delivery of simulator, penalty of 5 times of BOQ price shall be imposed.**

No payment shall be made for all other requirements set out in the Tender Documents not expressly stated above and shall be deemed to be included in other prices.

4.5 Statement of Prices - 3 - Training of Employer's Staff

The amount entered shall be the total price to be paid for Training of Employer's Staff in different disciplines overseas and in India in accordance with the Employer's Preamble of BOQ

Requirements.

Shall be full compensation for all direct and incidental costs relating to the Works in SOP-3: Payment shall be for:

- all direct and incidental costs for training of Employer's staff including the preparation, submittal and all subsequent revisions as required by the "Engineer" of training manuals, curricula, etc., provision and maintenance of training facilities; employment of approved training staff, and all associated costs and travel costs.
- Troubleshooting and Maintenance Training of approved Employer staff

Payment shall be made on the basis that 100% payment shall be made for the items included in this statement when completed to the satisfaction of the "Engineer".

4.6 Statement of Prices - 4(A), 4(8). 5(A), & 5(8) - Supply of Consumable Spares for two years, unit exchange, tools & tackles and recommended spares parts for two years during DLP

4.7 BOQ Prices for spares shall be full compensation for supplying the spare parts for the equipment, sub-systems, and systems provided under the Contract in accordance with the specifications compensation shall include provision of all spare parts and lists as required by the specifications complete in every respect, fully catalogued and marked for identification purposes for each discipline and to the approval of the Engineer. Payment shall be made when all spare parts and associated documentation have been delivered to the Employer and accepted by the Engineer. Please refer Spares Policy for contracts with CAMC provisions attached as Appendix- C.

4.8 Statement of Prices - 6(A), 6(B)

(3) 90% Eligible payment shall be paid after complete Installation Services Testing and Commissioning as per employers' requirement (after Statement of Price 1 (Milestone-5) milestone issuance)

(4) 10% Eligible payment shall be paid after issue of taking over certificate by Employer

4.9 Statement No CAMC: - Price for each elevator shall be paid for Maintenance of elevators during CAMC.

Prices for one years CAMC beyond two-year DLP for the items shall be compensated on quarterly basis for the maintenance of installed equipment in accordance with the specifications. Compensation shall include provision of pre-maintenance testing,

maintenance, and post-maintenance testing including supply of Spare as per Spare Policy with CAMC provisions, as required by the specifications, complete in every respect with operating instructions as necessary. The Scope of maintenance during CAMC shall be same as applicable during DLP for the listed items.

The cost of spare parts and consumables required for maintenance during CAMC period beyond DLP will be deemed to be inclusive in the prices for CAMC. Nothing extra will be paid for such spare parts and consumables.

CAMC price will be considered for bid evaluation while assessing the L-1 bidder.

ANNEXURE-13A

PROFORMA FOR STATEMENT OF MINOR DEVIATIONS

The following are the particulars of minor deviations from the requirements of the Tender Document:

Sr. No.	Clause	Deviations	Price adjustment for withdrawal of each deviation/s

Note:

1. The Tenderer shall indicate price adjustment against each deviation in Annexure- 13A of BOQ. This price is the price which the tenderer shall reduce from this tender price if deviation(s) is/are accepted by the Employer.
2. Where there is no deviation, the statement should be returned duly signed with an endorsement indicating 'No Deviations'. In case, Performa of deviations is not submitted or submitted as blank, it will be construed that the tenderer has not proposed any deviations from tender documents.
3. If the tenderer proposes deviations in tender documents, and/or any other terms and conditions of the tender, other than in this Annexure, it will have no effect.

Signature of authorized signatory
on behalf of Tenderer

Bill of Quantity- Part 1 (Elevators)

Contract Package LKE-02(02): Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators for UP Metro Rail Project.

CONTRACT —

TENDER TOTAL SUMMARY

(This document is to be prepared and completed by the tenderer)

SN	DESCRIPTION	DESCRIPTION	AMOUNT SCHEDULE-01 (INR)	AMOUNT SCHEDULE-02 (INR)
1	STATEMENT NO. 1	Passenger Rise Wise Lifts rate	29,031,518.73	160,535,005.88
2	STATEMENT NO. 2	O & M Documentation, As-built drawings, etc. (Five sets for each corridor) including Transfer of Technology and all other obligations And Design, Supply, Erection, Testing and Commissioning of Simulator for Troubleshooting and O&M Training	851,078.42	4,510,715.64
3	STATEMENT NO. 3	Training of Employer's Staff and Submission of Training manuals, interactive CD etc. to meet Employer's Requirement	43,332.79	229,663.76
4	STATEMENT NO. 4A	Recommended Consumable Spares for two years	7,324.68	35,042.34
5	STATEMENT NO. 4B	Unit Exchange Spares	163,660.93	801,938.56
6	STATEMENT NO. 5A	Tools and Tackles	359,310.60	1,077,931.79
7	STATEMENT NO. 5B	Recommended Spare Parts for 2 years during DLP	1,240,659.83	2,220,756.34
8	STATEMENT NO. 6A	Adjustment Price for addition of landing in the particular vertical rise of elevator (i.e. per Landing Rate)	477,199.19	5,433,726.39
9	STATEMENT NO. 6B	Price for Providing Regenerative Braking System with VVVF Drive.	229,316.11	4,127,691.04
10	STATEMENT NO. 6C	Adjustment Price for "Through Door Arrangement Elevator"	103,738.46	1,719,873.41
11	STATEMENT NO. 6D	Additional Price for " Floating - Pit / Hanging Pit" Elevators	98,277.89	458,630.16
12	STATEMENT NO. 6E	Adjustment Price for using Roller Guide Shoes in place of Sliding Guide Shoes.	-	57,899.53
13	STATEMENT NO. 6F	Adjustment of Price for change of Car Rear Panel from Stainless Steel to Glass.	-	243,178.03
14	STATEMENT NO. 6G	Price for Providing Thin Film Transistor (TFT) Display inside Elevator Car	458,635.31	4,586,353.11
15	STATEMENT NO. 6H	Price for Providing CCTV Cameras inside lift car	946,979.00	5,018,988.70
16	STATEMENT NO. 6I	Adjustment Price for Addition of Vertical Rise in Lift	200,000.00	300,000.00
17	STATEMENT NO. 7	Comprehensive Annual Maintenance of Elevators beyond 2 year DLP	1,235,110.00	6,546,083.00
TOTAL			35,446,141.94	197,903,477.68
GST @18%			0.18	0.18
TOTAL (INCLUSIVE GST)			41,826,447.49	233,526,103.66
Grand Total (Schedule-01+Schedule-02) (incl. GST)			275,352,551	

Note:

- i) 53 Nos. Elevators have been considered for Lucknow Metro East-West corridor.
- ii) 10 nos. Elevators have been considered for Agra Corridor-II.

Contract Package LKE[02]-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators for UP Metro Rail Project.									
Statement of Prices									
SOP-1 : Rise Wise Lifts									
SN	Description	Qty Schedule-01 (Nos)	Qty Schedule-02 (Nos)	Unit Price LAR INR	Escalation	Escalated Unit rate	Total Escalated Amount Schedule-01	Total Escalated Amount Schedule-02	Remarks
A- 13 Passenger (1000 kg) Capacity									
1	4.0 meter (3.5 > hs 4.5)								
	13 Passenger, stainless Steel Door	1		2,550,229	1.045	2,664,989.33	2,664,989.33	-	
	13 Passenger, Glass Door(Landing+Car)and Glass side Panels	0		3,187,656	1.045	3,331,100.54	-	-	
2	5.0 meter (4.5 > hs 5.5)								
	13 Passenger (1000 kg), stainless Steel Door	0	1	2,559,634	1.045	2,674,817.33	-	2,674,817.33	
	13 Passenger (1000 kg), Glass Door(Landing+Car)and Glass side Panels	0		3,197,061	1.045	3,340,928.53	-	-	
3	6.0 meter (5.5 > hs 6.5)								
	13 Passenger, stainless Steel Door	0	2	2,569,039	1.045	2,684,645.32	-	5,369,290.64	
	13 Passenger, Glass Door(Landing+Car)and Glass side Panels	0		3,206,466	1.045	3,350,756.53	-	-	
4	7.0 meter (6.5 > hs 7.5)								
	13 Passenger, stainless Steel Door	0		2,578,443	1.045	2,694,473.32	-	-	
	13 Passenger, Glass Door(Landing+Car)and Glass side Panels	0	10	3,215,870	1.045	3,360,584.52	-	33,605,845.21	
5	8.0 meter (7.5 > hs 8.5)								
	13 Passenger, stainless Steel Door	4	9	2,587,848	1.045	2,704,301.31	10,817,205.25	24,338,711.80	
	13 Passenger, Glass Door(Landing+Car)and Glass side Panels	2		3,225,275	1.045	3,370,412.52	6,740,825.03	-	
6	9.0 meter (8.5 > hs 9.5)								
	13 Passenger, stainless Steel Door	2	17	2,597,253	1.045	2,714,129.31	5,428,258.61	46,140,198.21	
	13 Passenger, Glass Door(Landing+Car)and Glass side Panels	1		3,234,680	1.045	3,380,240.51	3,380,240.51	-	
7	10.0 meter (9.5 > hs 10.5)								
	13 Passenger, stainless Steel Door	0	2	2,606,658	1.045	2,723,957.30	-	5,447,914.60	
	13 Passenger, Glass Door(Landing+Car)and Glass side Panels	0		3,244,085	1.045	3,390,068.51	-	-	
8	11.0 meter (10.5 > hs 11.5)								
	13 Passenger, stainless Steel Door	0	1	2,616,062	1.045	2,733,785.30	-	2,733,785.30	
	13 Passenger, Glass Door(Landing+Car)and Glass side Panels	0		3,436,357	1.045	3,590,992.75	-	-	
B- 20 Passenger (1500 kg) Capacity									
1	5.0 meter (4.5 > hs 5.5)								
	20 Passenger, Glass Door(Landing+Car)and Glass side Panels		1	3,753,383	1.031	3,868,041.14	0	3868041.14	
2	6.0 meter (5.5 > hs 6.5)								
	20 Passenger, Glass Door(Landing+Car)and Glass side Panels			3,757,724	1.031	3,872,514.75	0	0.00	
3	7.0 meter (6.5 > hs 7.5)								
	20 Passenger, Glass Door(Landing+Car)and Glass side Panels			3,762,075	1.031	3,876,998.66	0	0.00	
4	8.0 meter (7.5 > hs 8.5)								
	20 Passenger, Glass Door(Landing+Car)and Glass side Panels			3,773,161	1.031	3,888,423.32	0	0.00	
5	9.0 meter (8.5 > hs 9.5)								
	20 Passenger, Glass Door(Landing+Car)and Glass side Panels			3,777,502	1.031	3,892,896.92	0	0.00	
6	10.0 meter (9.5 > hs 10.5)								
	20 Passenger, Glass Door(Landing+Car)and Glass side Panels			3,799,287	1.031	3,915,347.41	0	0.00	
7	11.0 meter (10.5 > hs 11.5)								
	20 Passenger, Glass Door(Landing+Car)and Glass side Panels		6	3,803,638	1.031	3,919,831.33	0	23518987.95	
C- 26 Passenger (2000 kg) Capacity									
1	6.0 meter (5.5 > hs 6.5)								
	26 Passenger, stainless Steel Door			3,944,208					
	26 Passenger, Glass Door(Landing+Car)and Glass side Panels		2	4,398,768					
2	7.0 meter (6.5 > hs 7.5)								
	26 Passenger, stainless Steel Door			3,953,613					
	26 Passenger, Glass Door(Landing+Car)and Glass side Panels			4,408,172					
3	8.0 meter (7.5 > hs 8.5)								
	26 Passenger, stainless Steel Door			3,963,017					
	26 Passenger, Glass Door(Landing+Car)and Glass side Panels			4,417,577					
4	9.0 meter (8.5 > hs 9.5)								
	26 Passenger, stainless Steel Door			3,972,422					
	26 Passenger, Glass Door(Landing+Car)and Glass side Panels			4,426,982					
5	10.0 meter (9.5 > hs 10.5)								
	26 Passenger, stainless Steel Door			3,981,827					
	26 Passenger, Glass Door(Landing+Car)and Glass side Panels			4,436,387					
6	11.0 meter (10.5 > hs 11.5)								
	26 Passenger, stainless Steel Door	0		3,991,232	1.045	4,170,837.25	0	0.00	
	26 Passenger, Glass Door(Landing+Car)and Glass side Panels			4,628,659	1.045	4,836,948.46	0	0.00	
7	From 18 meter to 23 meter								
	26 Passenger, Glass Door(Landing+Car)and Glass side Panels		2	5,860,000	1.095	6,418,706.85	0	12,837,413.70	
	Total No. of Elevators	10	53				29,031,518.73	160,535,005.88	
Total to be carried forward to Tender Total Summary			63					189,566,524.62	

Note:

1) All above elevators are of two landings only. In case three or more landings (other than the dummy landing) are needed in the particular rise of elevator then rate of additional landing(s) will be payable as per the rate quoted in statement of Price 6A. The rate for dummy landing(if needed according to relevant standard) shall be included in the above rates.
2) The above statement shall be further distributed in different schedules as per ITT during execution of the work.
3) The lifts with rise band 18.0 meters or more shall be with speed 1.5 meters/second and those below it shall be with 1.0 meter/second. No extra payment shall be made to the contractor on this account.
4) All the elevators are of Two landing only. The rate for dummy or emergency landing (if needed according to relevant Standards) shall be included in the above rates.
5) In case more than Two landings (other than dummy or emergency landing) are applicable for a particular rise of elevator, then rate of additional landing(s) will be payable as per the rate quoted in Statement of Price 6A.
6) The above rates also include Port handling, Port clearance, Local Transportation, Insurance and other incidental Services.
7) The above price shall be inclusive of comprehensive maintenance charges during two-year Defect Liability Period, along with the cost of spare parts & consumables. Nothing extra will be paid for such spare parts and consumables.
8) The prices offered shall include the cost of minor adjustments in the elevator design, necessitated as per the actual site data / conditions.
9) In case addition of vertical rise are applicable for a particular rise of lift, then rate of additional vertical rise will be payable as per the rate quoted in Statement of Price 6i.

Contract Package LKE-02(02): Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators for UP Metro Rail Project.								
Statement of Prices								
SOP-02 : (O&M Documentation, Transfer of Technology and other obligations as per Tender Document)								
SN	Description	Unit	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit price	Schedule-1 amount	Schedule-2 amount
1	O & M Documentation, As-built drawings, etc. (Five sets for each corridor) including Transfer of Technology and all other obligations	No.	Lump-sum	417,984.75	1.045	436,794.06	69,332.39	367,461.67
2	Design, Supply, Erection, Testing and Commissioning of Simulator for Troubleshooting and O&M Training	No.	Lump-sum	4,925,000.00	1.00	4,925,000.00	781,746.03	4,143,253.97
				Total (Carried forward to Tender Total Summary)			851,078.42	4,510,715.64

Statement of Prices								
SOP-03 : Training of Employer's staff								
S.No.	Description	Unit	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit price	Schedule-1 amount	Schedule-2 amount
1	Training of Employer's Staff .Trainer Man days (as per clause 19.3 of PS) and Submission of Training manuals, interactive CD etc. to meet Employer's Requirement	No.	Lump-sum	261,241	1.045	272,996.55	43,332.79	229,663.76
Total to be carried forward to Tender Total Summary							43,332.79	229,663.76

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators for UP Metro Rail Project.

Statement of Prices

SOP-4A : Recommended Consumable Spares for two years

SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Schedule-1 amount	Schedule-2 amount
1	Lubrication Oil for Guidrail	Ltr.	17	83	100	257	1.045	268.65	4,567.12	22,298.27
2	Cotton Waste	Kg	3	17	20	49	1.045	51.47	154.40	874.93
3	Allen Key Screws	Nos.	17	83	100	12	1.045	12.35	209.98	1,025.21
4	Indication Lamp	Nos.	8	42	50	24	1.045	24.70	197.63	1,037.56
5	Rubber Washer	Nos.	17	83	100	6	1.045	6.18	104.99	512.60
6	Grease	Kg	3	17	20	178	1.045	186.31	558.92	3,167.23
7	Thinner	Ltr.	2	8	10	168	1.045	176.01	352.03	1,408.12
8	Coil Spray	Ltr.	2	8	10	119	1.045	124.55	249.10	996.39
9	3M Polish	Nos.	2	8	10	445	1.045	465.25	930.51	3,722.04
Total to be carried forward to Tender Total Summary									7,324.68	35,042.34

Note: The list is indicative not exhaustive. Bidder shall consider any additional consumable spares if required in their technical offer.

SOP-4B : Unit Exchange Spares

SN	Description	Unit	Quantity	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Schedule-1 amount	Schedule-2 amount
1	Motor Assembly (1 No. of each category)	No.	1	297709	1.045	311106.28	52,729.88	258,376.40
2	Complete Door Assembly (1 No. of each category)	No.	1	198474	1.045	207404.87	35,153.37	172,251.50
3	MAP	No.	1	74719	1.045	78081.51	13,234.15	64,847.35
4	SEP	No.	1	25685	1.045	26840.68	4,549.27	22,291.41
5	Guide Rail (Set)	No.	1	49569	1.045	51799.75	8,779.62	43,020.13
6	V3F drive assembly with Regenerative braking	No.	1	178626	1.045	186663.97	31,637.96	155,026.01
7	V3F drive assembly without Regenerative braking	No.	1	99237	1.045	103702.44	17,576.68	86,125.75
Total to be carried forward to Tender Total Summary							163,660.93	801,938.56

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators for UP Metro Rail Project.										
Statement of Prices										
SOP-5A : Tools and Tackles										
SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Quantity	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Total Amount Schedule-01 (INR)	Total Amount Schedule-02 (INR)
1	Tool Bag	No.	1	3	4	1088	1.045	1137.40	1,137.40	3412.212375
2	Spanner set open ended (6x7,8x9,10x11,12x13, 14x15, 16x17, 18x19,	No.	1	3	4	381	1.045	398.35	398.35	1195.046325
3	Ring spanner (10x11,12x13, 16x17,18x19)	No.	1	3	4	257	1.045	268.65	268.65	805.961475
4	Box spanner (12,13, 17)	No.	1	3	4	153	1.045	159.55	159.55	478.636125
5	Measuring tape (5 meter)	No.	1	3	4	119	1.045	124.55	124.55	373.644975
6	Allen Key set (1.5 mm to 8mm)	No.	1	3	4	168	1.045	176.01	176.01	528.043725
7	Combination plier 8"	No.	1	3	4	188	1.045	196.60	196.60	589.803225
8	Nose plier	No.	1	3	4	149	1.045	155.43	155.43	466.284225
9	Screw driver set (with tester)	No.	1	3	4	99	1.045	102.93	102.93	308.7975
10	Screw driver (862,902,713)	No.	1	3	4	257	1.045	268.65	268.65	805.961475
11	Filler gauge (0.05 mm to .1 mm,0.15 and 2 mm)	No.	1	3	4	465	1.045	485.84	485.84	1457.5242
12	Multimeter	No.	1	3	4	594	1.045	620.68	620.68	1862.048925
13	Measuring tape	No.	1	3	4	99	1.045	102.93	102.93	308.7975
14	Scale (6" and 12")	No.	1	3	4	69	1.045	72.05	72.05	216.15825
15	Plumb	No.	1	3	4	39	1.045	41.17	41.17	123.519
16	Wire stripper	No.	1	3	4	59	1.045	61.76	61.76	185.2785
17	Torch (LED type)	No.	1	3	4	494	1.045	516.72	516.72	1550.16345
18	Ring spanner (24x27)	No.	1	3	4	148	1.045	154.40	154.40	463.19625
19	Brush (nylon) ¼ inch and ½ inch	No.	1	3	4	17	1.045	17.50	17.50	52.495575
20	Line tester	No.	1	3	4	38	1.045	40.14	40.14	120.431025
21	Vernier calliper	No.	1	3	4	2573	1.045	2688.60	2,688.60	8065.7907
22	Spirit level	No.	1	3	4	494	1.045	516.72	516.72	1550.16345
23	Knife cutter	No.	1	3	4	184	1.045	192.48	192.48	577.451325
24	Adjustable spanner	No.	1	3	4	252	1.045	263.51	263.51	790.5216
25	Grease Gun	No.	1	3	4	64	1.045	66.91	66.91	200.718375
26	Digital Ride comfort analyser (for reading three direction and noise)	No.	1	3	4	335389	1.045	350481.05	350,481.05	1051443.136
Total to be carried forward to Tender Total Summary									359,310.60	1,077,931.79
Note: The list is indicative not exhaustive. Bidder shall consider any additional tools and tackles, if required in their technical offer.										

**Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators
for UP Metro Rail Project.**

Statement of Prices										
SOP-5B : Recommended Spare Parts for 2 years during DLP										
(Refer DLP & Spare Policy)										
SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Total Amount Schedule-01 (INR)	Total Amount Schedule-02 (INR)
1	Lift announcement UNIT	No.	1	1	2	2249.74	1.045	2350.98	2,350.98	2,350.98
2	Door Belt	No.	2	8	10	2292.095	1.045	2395.24	4,790.48	19,161.91
3	Brake release wire	No.	1	1	2	613.655	1.045	641.27	641.27	641.27
4	Door contact switch	No.	5	25	30	4167.535	1.045	4355.07	21,775.37	108,876.85
5	Brake Unit	No.	1	1	2	29730.255	1.045	31068.12	31,068.12	31,068.12
6	E-MOTIVE DISPLAY Board	No.	1	3	4	7472.21	1.045	7808.46	7,808.46	23,425.38
7	Door Guide Shoe	No.	5	25	30	524.02	1.045	547.60	2,738.00	13,690.02
8	V3F drive with Regeneration unit	No.	1	3	4	35093.58	1.045	36672.79	36,672.79	110,018.37
9	Automatic Rescue Device Unit	No.	1	3	4	47372.59	1.045	49504.36	49,504.36	148,513.07
10	Door module card	No.	1	3	4	17065.125	1.045	17833.06	17,833.06	53,499.17
11	EMERGENCY KEY	No.	3	17	20	230.49	1.045	240.86	722.59	4,094.65
12	Door Motor	No.	1	3	4	11901.755	1.045	12437.33	12,437.33	37,312.00
13	Car shoe liner	No.	17	83	100	34.475	1.045	36.03	612.45	2,990.19
14	EPABX	No.	1	1	2	41555.18	1.045	43425.16	43,425.16	43,425.16
15	LCE CAN	No.	1	1	2	17577.325	1.045	18368.30	18,368.30	18,368.30
16	LCE CCB Board	No.	1	3	4	9404.78	1.045	9828.00	9,828.00	29,483.99
17	LCE COB	No.	1	3	4	1082.515	1.045	1131.23	1,131.23	3,393.68
18	LCE CPU	No.	1	3	4	1620.325	1.045	1693.24	1,693.24	5,079.72
19	LCE FCB Board	No.	2	8	10	1620.325	1.045	1693.24	3,386.48	13,545.92
20	LCE OPT BOARD	No.	1	3	4	1669.575	1.045	1744.71	1,744.71	5,234.12
21	LCE-CIB PCB Board	No.	1	3	4	13366.45	1.045	13967.94	13,967.94	41,903.82
22	Light curtain (COL 3D)	No.	1	1	2	30151.835	1.045	31508.67	31,508.67	31,508.67
23	Mono stable switch (for leveling and door zone)	No.	1	3	4	618.58	1.045	646.42	646.42	1,939.25
24	Bistable switch (declaration switch)	No.	1	3	4	666.845	1.045	696.85	696.85	2,090.56
25	INSPECTION BOX (maintenance station)	No.	1	1	2	12856.22	1.045	13434.75	13,434.75	13,434.75
26	TRACK ROLLER	No.	8	42	50	1002.73	1.045	1047.85	8,382.82	44,009.82
27	Rope for synchronisation-car	No.	5	25	30	1243.07	1.045	1299.01	6,495.04	32,475.20
28	Rope for synchronisation - Landing door	No.	5	25	30	1243.07	1.045	1299.01	6,495.04	32,475.20
29	Landing call button set (Sets)	No.	2	8	10	1647.905	1.045	1722.06	3,444.12	13,776.49
30	All type of buttons inside car (Sets)	No.	2	8	10	1647.905	1.045	1722.06	3,444.12	13,776.49
31	Stop Switch	No.	1	3	4	415.67	1.045	434.38	434.38	1,303.13
32	Synchronisation roller for car door A-1	No.	2	8	10	1667.605	1.045	1742.65	3,485.29	13,941.18
33	Synchronisation roller for car door A-2	No.	2	8	10	773.225	1.045	808.02	1,616.04	6,464.16
34	Synchronisation roller for Landing door A-1	No.	3	17	20	1002.73	1.045	1047.85	3,143.56	17,813.50
35	Synchronisation roller for landing door A-2	No.	3	17	20	600.85	1.045	627.89	1,883.66	10,674.10
36	Tacho meter/Encoder	No.	1	3	4	21392.23	1.045	22354.88	22,354.88	67,064.64
37	Surge Separator	No.	1	3	4	2444.77	1.045	2554.78	2,554.78	7,664.35
38	ELCB	No.	1	3	4	6801.425	1.045	7107.49	7,107.49	21,322.47
39	MCB (4 pole)	No.	2	8	10	3636.62	1.045	3800.27	7,600.54	30,402.14
40	AMD2 Coupler	No.	1	3	4	4432.5	1.045	4631.96	4,631.96	13,895.89
41	Rope for closing weight. Assy.	No.	17	83	100	692.455	1.045	723.62	12,301.46	60,060.08
42	Anti Lift Roller	No.	1	3	4	1002.73	1.045	1047.85	1,047.85	3,143.56
43	Battery Sealed Lead acid 12V/12 Ah (EBD)	No.	3	17	20	2301.945	1.045	2405.53	7,216.60	40,894.05
44	Battery Sealed Lead acid 12V/7Ah (CCB)	No.	3	17	20	1178.06	1.045	1231.07	3,693.22	20,928.24
45	BLOCKING DEVICE SWITCH	No.	1	3	4	525.99	1.045	549.66	549.66	1,648.98
46	Brake opening device	No.	1	1	2	613.655	1.045	641.27	641.27	641.27
47	CAR DIVERTER WHEEL ASSY.	No.	1	1	2	11636.79	1.045	12160.45	12,160.45	12,160.45
48	CAR DOOR HEADER	No.	1	1	2	90034.91	1.045	94086.48	94,086.48	94,086.48
49	Control Current Transformer	No.	1	1	2	8449.33	1.045	8829.55	8,829.55	8,829.55
50	CWT SAFETY GEAR	No.	1	1	2	48239.39	1.045	50410.16	50,410.16	50,410.16
51	CWT. DIVERTER WHEEL ASSY	No.	1	3	4	15398.505	1.045	16091.44	16,091.44	48,274.31
52	Door Belt Pulley	No.	2	8	10	1720.795	1.045	1798.23	3,596.46	14,385.85
53	DOOR CONTACT BULLET (beak)	No.	2	8	10	2921.51	1.045	3052.98	6,105.96	24,423.82
54	Fan and stop PCB Assy.	No.	1	3	4	1647.905	1.045	1722.06	1,722.06	5,166.18
55	Car fan	No.	2	8	10	1592.745	1.045	1664.42	3,328.84	13,315.35
56	Final Limit Switch	No.	1	3	4	666.845	1.045	696.85	696.85	2,090.56
57	Full lock latch unit / lock roller unit	No.	2	8	10	2431.965	1.045	2541.40	5,082.81	20,331.23
58	Guide shoe for CWT	No.	5	25	30	43.34	1.045	45.29	226.45	1,132.26
59	GUIDE SHOE ASSY.	No.	1	3	4	1570.09	1.045	1640.74	1,640.74	4,922.23
60	Hands free unit (used in SCR)	No.	1	3	4	1038.19	1.045	1084.91	1,084.91	3,254.73
61	Handset Phone (Used in MAP)	No.	1	3	4	692.455	1.045	723.62	723.62	2,170.85
62	Intercom PCB Used in COP	No.	1	3	4	1647.905	1.045	1722.06	1,722.06	5,166.18
63	LIMIT SWITCH	No.	1	3	4	666.845	1.045	696.85	696.85	2,090.56
64	LOP230 BOARD	No.	1	3	4	2176.85	1.045	2274.81	2,274.81	6,824.42
65	LOPCB Board	No.	1	3	4	1082.515	1.045	1131.23	1,131.23	3,393.68
66	LWD device	No.	1	1	2	7582.53	1.045	7923.74	7,923.74	7,923.74
67	Main steel rope (Mtrs)	No.	17	83	100	221.625	1.045	231.60	3,937.17	19,222.64
68	Main Motor	No.	1	1	2	267169.43	1.045	279192.05	279,192.05	279,192.05
69	OIL CUP	No.	2	8	10	304.365	1.045	318.06	636.12	2,544.49
70	OSG	No.	1	3	4	14266.74	1.045	14908.74	14,908.74	44,726.23
71	OSG rope (Mtrs)	No.	3	17	20	29.55	1.045	30.88	92.64	524.96
72	PRFR card	No.	1	1	2	1869.53	1.045	1953.66	1,953.66	1,953.66
73	Photo cell	No.	1	3	4	338.84	1.045	354.09	354.09	1,062.26
74	Safety gear jaw	No.	1	1	2	48239.39	1.045	50410.16	50,410.16	50,410.16
75	Safety gear Switch	No.	1	3	4	525.99	1.045	549.66	549.66	1,648.98
76	Shaft door header(Landing top track)	No.	1	3	4	8311.43	1.045	8685.44	8,685.44	26,056.33
77	Tension weight switch	No.	1	3	4	525.99	1.045	549.66	549.66	1,648.98
78	Traveling cable (Sets)	No.	1	1	2	45555.265	1.045	47605.25	47,605.25	47,605.25
79	Upper Isolation Rubber Pad	No.	5	25	30	321.11	1.045	335.56	1,677.80	8,389.00
80	Water sensor in pit	No.	1	3	4	1259.815	1.045	1316.51	1,316.51	3,949.52
81	ELICOM intercom box assembly	No.	1	1	2	37101.995	1.045	38771.58	38,771.58	38,771.58
82	Lock Latch Roller Unit Assembly	No.	1	5	6	967.27	1.045	1010.80	1,010.80	5,053.99
83	Mono stable switch (Sensor 61 U/N and 30)	No.	2	8	10	967.27	1.045	1010.80	2,021.59	8,086.38
84	Travelling cable (8 mtrs travel height) 16 core	No.	1	0	1	690.485	1.045	721.56	721.56	-
85	V3F 18 Module	No.	5	25	30	536.825	1.045	560.98	2,804.91	14,024.55

86	Hoisting rope/ Coated Steel belt (with fatigue Monitoring System) Complete	No.	1	0	1	98940.295	1.045	103392.61	103,392.61	-
87	Fuse of PCB	No.	5	25	30	4395.07	1.045	4592.85	22,964.24	114,821.20
88	Counterweight shoe liner	No.	5	25	30	49.25	1.045	51.47	257.33	1,286.66
Total to be carried forward to Tender Total Summary									1,240,659.83	2,220,756.34

Note: The list is indicative not exhaustive. Bidder shall consider any additional spares, if required in their technical offer.

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators for UP Metro Rail Project.										
Statement of Prices										
SOP-6A : Adjustment Price for addition of landing in the particular vertical rise of elevator (i.e. per Landing Rate)										
SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Total Amount Schedule-01 (INR)	Total Amount Schedule-02 (INR)
1	Stainless Steel Door									
a	Supply Price	No.	2	2	4	71,057.90	1.045	74,255.51	148,511.01	148,511.01
b	Installament Price	No.	2	2	4	17,764.48	1.045	18,563.88	37,127.75	37,127.75
2	Glass Door (Landing + Car)									
a	Supply Price	No.	1	18	19	261,240.72	1.045	272,996.55	272,996.55	4,913,937.85
b	Installament Price	No.	1	18	19	17,764.48	1.045	18,563.88	18,563.88	334,149.77
Total (Carried forward to Tender Total Summary)									477,199.19	5,433,726.39

Note- The above rates shall be applicable on all type of lifts irrespective of the passenger capacity of Lift

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavey duty Machine Room Less Elevators for UP Metro Rail Project.
Statement of Prices

SOP-6B : Price for Providing Regenerative Braking System with VVVF Drive.

SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Schedule-1 amount	Schedule-2 amount
1	13/20 Passenger	No.	3	51	59	73,147.09	1.045	76,438.70	229,316.11	3,898,373.90
2	26 Passenger	No.	0	2	0	109,721.12	1.045	114,658.57	-	229,317.14
Total (Carried forward to Tender Total Summary)									229,316.11	4,127,691.04

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators for UP Metro Rail Project.
Statement of Prices

SOP-6C : Adjustment Price for "Through Door Arrangement Elevator"

SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Schedule-1 amount	Schedule-2 amount
1	13/20/26 Passenger Capacity, (SS Doors)	No.	1	10	6	99,271.26	1.045	103,738.46	103,738.46	1,037,384.61
2	13/20/26 Passenger Capacity, (Glass Doors)	No.	0	5	1	130,619.87	1.045	136,497.76	-	682,488.79
Total (Carried forward to Tender Total Summary)									103,738.46	1,719,873.41

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators for UP Metro Rail Project.										
Statement of Prices										
SOP-6D : Additional Price for " Floating - Pit / Hanging Pit" Elevators										
SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Schedule-1 amount	Schedule-2 amount
1	13/20/26 Passenger Capacity	No.	3	14	12	31,348.61	1.045	32,759.30	98,277.89	458,630.16
Total (Carried forward to Tender Total Summary)									98,277.89	458,630.16

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavey duty Machine Room Less Elevators for UP Metro Rail Project.
Statement of Prices

SOP-6E : Adjustment Price for using Roller Guide Shoes in place of Sliding Guide Shoes.

SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Schedule-1 amount	Schedule-2 amount
1	Roller Guide Shoes in place of Sliding Guide Shoes	No.	0	1	1	55,406.25	1.045	57,899.53	-	57,899.53
Total (Carried forward to Tender Total Summary)									-	57,899.53

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators for UP Metro Rail Project.

Statement of Prices										
SOP-6F : Adjustment of Price for change of Car Rear Panel from Stainless Steel to Glass.										
SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Schedule-1 amount	Schedule-2 amount
1	13/20/26 Passenger Car Rear Panel from Stainless Steel to Non Fire Rated Glass	No.	0	1	1	88,650.00	1.045	92,639.25	-	92,639.25
2	13/20/26 Passenger Car Rear Panel from Stainless Steel to Fire Rated Glass	No.	0	1	1	144,056.25	1.045	150,538.78	-	150,538.78
Total (Carried forward to Tender Total Summary)									-	243,178.03

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavey duty Machine Room Less Elevators for UP Metro Rail Project.

Statement of Prices

SOP-6G : Price for Providing Thin Film Transistor (TFT) Display inside Elevator Car

SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Qty	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Schedule-1 amount	Schedule-2 amount
1	TFT Display	No.	3	30	33	146,295.16	1.045	152,878.44	458,635.31	4,586,353.11
Total (Carried forward to Tender Total Summary)									458,635.31	4,586,353.11

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavey duty Machine Room Less Elevators for UP Metro Rail Project.

Statement of Prices

Statement No.6H : Price for Providing CCTV Cameras inside lift car

S.N	Description	Quantity Schedule-01	Quantity Schedule-02	Quantity	Unit Price LAR INR	Escalation	Escalated Unit Price (INR)	Schedule-1 amount	Schedule-2 amount
1	Provision of CCTV Camera inside Lift Car	10	53	63	90,620	1.045	94,698	946,979	5,018,989
	Total to be carried forward to Tender Total Summary							946,979.00	5,018,988.70

Statement of Prices – SOP-6I

SOP-6I: Adjustment Price for Addition of Vertical Rise in Lift

SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Unit Price (INR)	Schedule-1 amount	Schedule-2 amount
1	MRL Lift – Additional Vertical Rise	Meter	Provisional	Provisional			
a	Supply, Installation, Testing & Commissioning Price (inclusive of additional guide rails, ropes, travelling cables, counterweight modifications, controller modifications, safety devices, testing and commissioning)	Meter	20	30	10000	200000	300000
Total (Carried forward to Tender Total Summary)						200000	300000

Notes & Conditions

1. The rates under SOP-6I shall be applicable only for that portion of lift vertical rise exceeding the base rise considered in the respective lift item of the Schedule of Prices, measured in meters or part thereof.
2. No adjustment shall be payable for any rise up to and including the base rise specified in the respective lift item, as the same is deemed to be fully covered under the main lift item.
3. The quoted rates shall be deemed inclusive of all consequences of increase in lift rise, including but not limited to:
 - Additional guide rails and rail brackets
 - Additional suspension ropes / belts
 - Increase in travelling cable length
 - Counterweight frame and filler weight adjustments
 - Electrical wiring, control system and signal cable modifications
 - Minor controller parameter modifications
 - Shaft wiring and earthing extensions
 - Testing, commissioning and integrated testing
4. Any changes required in drive system, motor rating, braking system, or control system due to increase in rise shall be deemed to be included in the quoted rate, and no separate claim shall be admissible.
5. The quantities under this SOP are provisional, and payment shall be made only for the actual additional rise executed, duly measured and certified by the Engineer.
6. The rate shall be applicable irrespective of:
 - Lift capacity (13P / 20P / 26P)
 - Number of stops
 - Type of doors (SS / Glass)
 - Lift configuration (through car / adjacent opening)
7. The rate shall be considered uniformly applicable for all lift capacities, with no separate variation admissible.
8. The total price for additional vertical rise shall be derived by adding the applicable unit rate per meter to the base lift configuration corresponding to the lower rise band. The rates under this SOP are independent and incremental in nature, and shall be applied only on the additional rise beyond the base level, as measured and certified by the Engineer.

Contract Package LKE(02)-02: Design, Manufacture, supply, Installation, Testing and Commissioning of Heavy duty Machine Room Less Elevators for UP Metro Rail Project.

Statement of Prices

SOP-07 : Comprehensive Annual Maintenance of Elevators for 1 year beyond 2 year DLP

Statement No. 7

S.N	Description	Qty Schedule-01 (Nos)	Qty Schedule-02 (Nos)	Unit Price LAR/year (INR)	Escalation	Escalated Unit Price (INR)	Total Escalated Amount Schedule-01	Total Escalated Amount Schedule-02
1	Comprehensive Annual Maintenance of Elevators	10	53	123,511	1.000	123,511.00	1,235,110.000	6,546,083.00
Total carried forward to Tender Total Summary							1,235,110.00	6,546,083.00

Bill of Quantity- Part 2 (Escalators)				
LKE-02(02): Design, Manufacture, Supply, Installation, Testing and Commissioning of heavy Duty Escalators including Maintenance of 02(two) Years During Defect Liability Period(DLP) and 01(one) year Comprehensive Annual Maintenance beyond DLP Period for Lucknow (East- West Corridor) Metro Project, Kanpur Metro and Agra Metro Project.				
TENDER TOTAL SUMMARY				
(This document is to be prepared and completed by the tenderer)				
SN	SOP	Description	AMOUNT (INR) - Schedule-01	AMOUNT (INR) - Schedule-02
1	STATEMENT NO. 1	Rise Wise Escalators rate	103,827,000.00	533,549,000.00
2	STATEMENT NO. 2	O&M Documentation , Transfer of Technology and other obligations as per Tender Document	904,235.29	4,585,764.71
3	STATEMENT NO. 3	Training of Employer's Staff	321,176.47	1,628,823.53
4	STATEMENT NO. 4A	Consumable Spares for two years	237,125.00	63,875.00
5	STATEMENT NO. 4B	Unit Exchange Spares	733,870.97	2,516,129.03
6	STATEMENT NO. 5A	Tools and Tackles	162,400.00	197,590.00
7	STATEMENT NO. 5B	Recommended Spare Parts for 02 years during DLP	1,278,780.00	594,190.00
8	STATEMENT NO. 6A	Adjustment Price for Addition of Vertical Rise in Escalator	9,000,000.00	13,500,000.00
9	STATEMENT NO. 6B	Unit Price for Galvanized Sheet Steel and Stainless Steel	3,325,000.00	3,025,000.00
10	STATEMENT NO. 7	Prices for Annual Maintenance Charges for 1 (One) years beyond Defect Liability Period.	1,730,568.00	8,776,452.00
	TENDER TOTAL		121,520,155.73	568,436,824.27
	GST @ 18%		0.18	0.18
	TOTAL Inclusive GST		143,393,783.76	670,755,452.64
Grand Total (Schedule-01 + Schedule-02)			814,149,236.40	

Note- i) 71 nos. escalators have been considered for Lucknow Metro East West corridor.

ii) 09 nos. of escalator have been considered for Agra Corridor-II.

iii) 01 no. of excalator have been considered for Agra Corridor-I.

iv) 04 no. of excalator have been considered for Kanpur Corridor-II.

Total Quantity of Escalators	85.00	
Percentage-wise Contract Distribution	16.47%	85.88%

Statement of Prices							
Statement No.1 : Rise-wise Escalators Rate							
SN	Description (Height of Travel and Band range of vertical rise)	Quantity Schedule-01	Quantity Schedule-02	LAR Unit Price (INR)	Total Amount Schedule-01 (INR)	Total Amount Schedule-02 (INR)	Total Amount (Schedule-01 + Schedule-02) (INR)
1	3.0 meter (2.5 > h≤ 3.5)						
	stainless Steel Blustrade			5,697,000.0		0	-
	Glass Balustrade			5,357,000.0		0	-
2	4.0 meter (3.5 > h≤ 4.5)					0	-
	stainless Steel Blustrade	0	4	6,147,000.0	-	24588000	24,588,000.00
	Glass Balustrade	0		5,807,000.0	-	0	-
3	5.0 meter (4.5 > h≤ 5.5)				-	0	-
	stainless Steel Blustrade	0	6	6,725,000.0	-	40350000	40,350,000.00
	Glass Balustrade	0	3	6,342,000.0	-	19026000	19,026,000.00
4	6.0 meter (5.5 > h≤ 6.5)				-	0	-
	stainless Steel Blustrade	1	2	6,941,000.0	6,941,000.00	13882000	20,823,000.00
	Glass Balustrade	0	5	6,607,000.0	-	33035000	33,035,000.00
5	7.0 meter (6.5 > h≤ 7.5)				-	0	-
	stainless Steel Blustrade	6		7,316,000.0	43,896,000.00	0	43,896,000.00
	Glass Balustrade	0	10	6,949,000.0	-	69490000	69,490,000.00
6	8.0 meter (7.5 > h≤ 8.5)				-	0	-
	stainless Steel Blustrade	7	8	7,570,000.0	52,990,000.00	60560000	113,550,000.00
	Glass Balustrade	0		7,052,000.0	-	0	-
7	9.0 meter (8.5 > h≤ 9.5)				-	0	-
	stainless Steel Blustrade	0	14	7,991,000.0	-	111874000	111,874,000.00
	Glass Balustrade	0		7,426,000.0	-	0	-
8	10.0 meter (9.5 > h≤ 10.5)				-	0	-
	stainless Steel Blustrade	0		8,293,000.0	-	0	-
	Glass Balustrade	0		7,680,000.0	-	0	-
9	11.0 meter (10.5 > h≤ 11.5)				-	0	-
	stainless Steel Blustrade	0	2	8,775,000.0	-	17550000	17,550,000.00
	Glass Balustrade	0	14	8,120,000.0	-	113680000	113,680,000.00
10	12.0 meter (11.5 > h≤ 12.5)				-	0	-
	stainless Steel Blustrade	0		9,280,000.0	-	0	-
	Glass Balustrade	0	1	8,572,000.0	-	8572000	8,572,000.00
11	13.0 meter (12.5 > h≤ 13.5)				-	0	-
	stainless Steel Blustrade	0		9,389,000.0	-	0	-
	Glass Balustrade	0		8,671,000.0	-	0	-
12	14.0 meter (13.5 > h≤ 14.5)					0	-
	stainless Steel Blustrade			9,839,000.0		0	-
	Glass Balustrade			9,121,000.0		0	-
13	15.0 meter (14.5 > h≤ 15.5)					0	-
	stainless Steel Blustrade			10,289,000.0		0	-
	Glass Balustrade			9,571,000.0		0	-
14	16.0 meter (15.5 > h≤ 16.5)					0	-
	stainless Steel Blustrade			10,739,000.0		0	-
	Glass Balustrade			10,021,000.0		0	-
15	17.0 meter (16.5 > h≤ 17.5)					0	-
	stainless Steel Blustrade			11,189,000.0		0	-
	Glass Balustrade		2	10,471,000.0		20942000	20,942,000.00
	Total No. of Escalators	14	71		103827000	533549000	637376000

Note:: 1) The above rises may vary by + 0.5m based on site condidons, however the Contractor shall not be entitled for any extra payment on account of this variation.

2) The Prices offered shall include the cost of minor adjustments in the Escalator design , necessitated as per the site data / conditions.

3) The above statement shall be further distributed in different schedules as per ITT during execution of the work.

4) Tenderers shall enter a code representing the country of origin of all plant and equipment.

5) Only Items to be supplied from within the Employer's Country are to be Included in this statement.If an item is to be supplied from abroad, its quantity, unit price and total price are not to be included in this statement and the relevant columns should be blank.

6) Tenderer shall quote prices against each Item even if Quantity indicated is NIL as per clause 1.10 of preamble.

7) All Stainless steel type escalators shall be Fully Outdoor Category.

8) In case addition of vertical rise are applicable for a particular rise of escalator, then rate of additional vertical rise will be payable as per the rate quoted in Statement of Price 6A.

9

Statement of Prices- 2					
Statement No. 2: O&M Documentation and all other obligations as per Tender Documents					
S.N.	Description	Total Qty	LAR Unit Price	Schedule-1 amount	Schedule-2 amount
1	O & M Documentation, As-built drawings, etc.(Five sets of each corridor)	Lump-sum	490,000	80,705.88	409,294.12
2	Design, Supply, Erection, Testing and Commissioning of Simulator for Troubleshooting and O&M Training	Lump-sum	5,000,000	823,529.41	4,176,470.59
Total (Carried forward to Tender Total Summary)			5,490,000	904,235	4,585,765

Statement of Prices - 3					
Statement No. 3: Training of Employer's Staff					
S.N.	Description	Total Qty	LAR Unit Price	Schedule-1 amount	Schedule-2 amount
1	Training of Employer's Staff and Submission of Training manuals etc to meet Employer's Requirement	lump-sum	1,950,000.00	321,176.47	1,628,823.53
Total (Carried forward to Tender Total Summary)			1,950,000.00	321,176.47	1,628,823.53

Statement of Prices - 4A

Statement No. 4A: Recommended Consumable Spares for two years

SN	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Unit Price LAR INR	Escalation	Escalated Unit Price INR	Schedule-1 amount	Schedule-2 amount
1	Grease	Kg	30	20	350	1	350	10,500.00	7,000.00
2	Lubrication oil	Litre	400	100	550	1	550	220,000.00	55,000.00
3	Guide Pad	No	40	10	100	1	100	4,000.00	1,000.00
4	Handrail cleaner	Set	15	5	175	1	175	2,625.00	875.00
Total to be carried forward to Tender Total Summary								237,125.00	63,875.00

Statement of Prices - 4B

Statement No. 4B: Price of Unit Exchange Spares

Price of Unit Exchange Spares														
S.No.	Items Description		Quantity	Unit Price at the		Total Amount			Unit Price at the		Total Amount		Schedule-1 amount	Schedule-2 amount
				Foreign Currency	INR	Foreign Currency	INR		Foreign Currency	INR	Foreign Currency	INR	INR	INR
1	Complete Motor with Gear Assembly	No of each category	1		1,200,000			1		1,200,000		1,200,000.00	270,967.74	929,032.26
2	Complete Chain Drive Assembly	No of each category	1		1,250,000			1		1,250,000		1,250,000.00	282,258.06	967,741.94
3	Complete Escalator Control Panel	Nos.	1		800,000			1		800,000		800,000.00	180,645.16	619,354.84
	Total Price (B) Unit Exchange Spares				3,250,000.00		-					3,250,000.00	733,870.97	2,516,129.03

Statement of Prices-5A																
SOP-5A : Tools and Tackles																
S.No.	Item	Unit	Quantity Schedule-01	Quantity Schedule-02	Total Quantity	Unit Price		Total Amount		Escalation	Unit Price		Total Amount Schedule-01 (INR)		Total Amount Schedule-02 (INR)	
						Foreign Currency	INR	Foreign Currency	INR		Foreign Currency	INR	Foreign Currency	INR		
1	Escalator starting and control panel keys	2 set per Esc	28	96	124		100		12,400	1		100		2,800		9,600
2	Both Side Open spanner (6,8,10,12, 14,16,18,20,21,24,25,27,30,32) mm	No each	1	4	5		1,000		5,000	1		1,000		1,000		4,000
3	Screw Driver 75x5,100x3,450x10,827	No each	1	2	3		1,500		4,500	1		1,500		1,500		3,000
4	Side Cutting Plier	No each	1	2	3		160		480	1		160		160		320
5	Centre Punch 6" 12"	No	1	2	3		350		1,050	1		350		350		700
6	File Flat	No	1	2	3		200		600	1		200		200		400
7	Force Box 2462	No	1	2	3		3,300		9,900	1		3,300		3,300		6,600
8	Extension 250mm 125mm	No	1	2	3		620		1,860	1		620		620		1,240
9	Monkey Plier	No	1	2	3		300		900	1		300		300		600
10	Adjustable wrench	No	1	2	3		300		900	1		300		300		600
11	Line Tester	No	2	8	10		250		2,500	1		250		500		2,000
12	Nose Plier	No	1	2	3		200		600	1		200		200		400
13	Mallet	No	1	2	3		300		900	1		300		300		600
14	Ball Hammer	No	1	2	3		200		600	1		200		200		400
15	Combination plier 8"	No	1	2	3		250		750	1		250		250		500
16	Allen Key set	Nos.	1	4	5		400		2,000	1		400		400		1,600
17	One Side ring & one side open spanner(8,10,13,15,17,19,21,24,27,30,32)	No each	1	1	2		4,300		8,600	1		4,300		4,300		4,300
18	One Side ring & one side open set	No	1	1	2		3,000		6,000	1		3,000		3,000		3,000
19	Phillips Screw Driver 12"	No	1	1	2		100		200	1		100		100		100
20	Phillips Screw Driver 8"	No	1	1	2		100		200	1		100		100		100
21	Nose Mask	Nos.	11	39	50		20		1,000	1		20		220		780
22	Screw Driver 6"	No	1	4	5		150		750	1		150		150		600
23	Cleaning brush	Nos.	2	8	10		150		1,500	1		150		300		1,200
24	Wire stripper	No	1	2	3		1,500		4,500	1		1,500		1,500		3,000
25	Screw Driver set	No	1	2	3		300		900	1		300		300		600
26	Torch LED Type	Nos.	2	8	10		800		8,000	1		800		1,600		6,400
27	Socket allen Key 5mm & 8mm	No each	1	2	3		700		2,100	1		700		700		1,400
28	Socket Spanner (8,10,13,15,17,19) mm	No each	1	2	3		1,000		3,000	1		1,000		1,000		2,000
29	Circle plier (Inner & Outer)	No each	1	2	3		400		1,200	1		400		400		800
30	Vacuum Cleaner	Nos.	1	2	3		6,000		18,000	1		6,000		6,000		12,000
31	Blower	Nos.	1	2	3		4,300		12,900	1		4,300		4,300		8,600
32	Vernier Caliper	Nos.	1	1	2		7,000		14,000	1		7,000		7,000		7,000
33	Techo Meter	Nos.	1	0	1		1,500		1,500	1		1,500		1,500		-
34	Vibration Meter (EVA Meter)	Nos.	1	0	1		2,500		2,500	1		2,500		2,500		-
35	Wegger (Digital)	Nos.	1	0	1		8,800		8,800	1		8,800		8,800		-
36	Insulation Tester	Nos.	1	1	2		4,500		9,000	1		4,500		4,500		4,500
37	Cam Buckle	Nos.	1	2	3		1,800		5,400	1		1,800		1,800		3,600
38	Cam buckle Belt (6mt)	Nos.	1	2	3		650		1,950	1		650		650		1,300
39	Multimeter clamp meter	Nos.	1	2	3		4,500		13,500	1		4,500		4,500		9,000
40	Handrail removing tool	Nos.	1	2	3		100		300	1		100		100		200
41	Motor adjustable tool	Nos.	1	2	3		300		900	1		300		300		600
42	Eccentric Tool	Nos.	1	2	3		1,200		3,600	1		1,200		1,200		2,400
43	Pulley Puller	Nos.	1	0	1		1,400		1,400	1		1,400		1,400		-
44	Hub for opening SS Cladding	Nos.	5	15	20		1,500		30,000	1		1,500		7,500		22,500
45	Test Weight 20kg	Nos.	11	39	50		1,500		75,000	1		1,500		16,500		58,500
46	Noise Level Meter	Nos.	1	0	1		3,500		3,500	1		3,500		3,500		-
47	Manual Oil Barrel pump	Nos.	1	0	1		2,500		2,500	1		2,500		2,500		-
48	Gear Oil removing pump	Nos.	1	0	1		1,000		1,000	1		1,000		1,000		-
49	Gear Oil removing tray	Nos.	1	0	1		4,500		4,500	1		4,500		4,500		-
50	Welding Machine	Nos.	1	0	1		51,000		51,000	1		51,000		51,000		-
51	Hammering Drill Machine	Nos.	1	0	1		2,600		2,600	1		2,600		2,600		-
52	Floor Cover Opening Key	Nos.	11	39	50		50		2,500	1		50		550		1,950
53	Tool Kit Box	Nos.	1	4	5		1,500		7,500	1		1,500		1,500		6,000
54	Steel Scale	Nos.	1	4	5		50		250	1		50		50		200
55	Filler Gauge (0.01 to 1mm)	Nos. each	2	8	10		300		3,000	1		300		600		2,400
								Total	359,990			Total		162,400		197,590

Statement of Prices-SB: Price of Recommended Spare Parts for 2 years during DLP

Price of Recommended Spare Parts for 2 years during DLP

S.No.	Item	Unit	Quantity Schedule- 01	Quantity Schedule- 02	Total Quantity	Unit Price at the		Total Amount		Escalation	Unit Price at the		Total Amount Schedule-01 (INR)		Total Amount Schedule- 02 (INR)	
						Foreign Currency	INR	Foreign Currency	INR		Foreign Currency	INR	Foreign Currency	INR	Foreign Currency	INR
1	Emergency brake complete assembly	Nos	1	1	2		28,000		56,000	1		28,000		28,000		28,000
2	Photocell sensor with transmitter	Nos.	1	1	2		2,400		4,800	1		2,400		2,400		2,400
3	Handrail Antistatic brush or roller	Nos.	6	19	25		300		7,500	1		300		1,800		5,700
4	Step Antistatic brush	Nos.	6	19	25		300		7,500	1		300		1,800		5,700
5	Pit Lamp	Nos.	1	5	6		300		1,800	1		300		300		1,500
6	Emergency stop switch (bottom & middle)	Each	1	1	2		400		800	1		400		400		400
7	Service brake coil assembly	Nos.	1	0	1		12,000		12,000	1		12,000		12,000		-
8	Bottom shaft bearing	Nos.	1	1	2		25,000		50,000	1		25,000		25,000		25,000
9	Handrail shaft bearing	Nos.	1	1	2		15,000		30,000	1		15,000		15,000		15,000
10	Main shaft bearing	Nos.	1	1	2		50,000		100,000	1		50,000		50,000		50,000
11	Control panel exhaust fan	Nos.	1	1	2		1,200		2,400	1		1,200		1,200		1,200
12	Comb carrier Assembly	Nos.	1	0	1		70,000		70,000	1		70,000		70,000		-
13	Braking Control unit of each rating	Nos.	1	0	1		2,000		2,000	1		2,000		2,000		-
14	V3F Drive of each type rating	Set each	1	0	1		98,000		98,000	1		98,000		98,000		-
15	Smoke Detector	Nos.	2	8	10		700		7,000	1		700		1,400		5,600
16	Escalator Control panel lock assembly (window, main lock, inside door lock)	Each	1	4	5		20		100	1		20		20		80
17	Contractor of each type & rating	Nos.	1	1	2		2,000		4,000	1		2,000		2,000		2,000
18	Relay of each type & rating	Nos.	1	1	2		200		400	1		200		200		200
19	Float Switch (Water Level Sensor)	Nos.	1	1	2		2,000		4,000	1		2,000		2,000		2,000
20	All Safety switch of each type	Nos.	1	1	2		400		800	1		400		400		400
21	All Sensor of each type	Nos.	1	1	2		4,000		8,000	1		4,000		4,000		4,000
22	Speed Selector Switch/ safety switch (lockable)	Nos.	17	58	75		200		15,000	1		200		3,400		11,600
23	Hour Meter Safety Switch (Reset)	Nos.	11	39	50		300		15,000	1		300		3,300		11,700
24	Local/Remote Switch Comb Light	Nos.	6	19	25		300		7,500	1		300		1,800		5,700
25	Mother Board or equivalent PLC with All attached PCB cards varistor brake	Nos.	1	1	2		9,000		18,000	1		9,000		9,000		9,000
26	Combs of all types	Each	11	39	50		300		15,000	1		300		3,300		11,700
27	Transformer for control panel yellow color pit light	Nos.	1	0	1		3,000		3,000	1		3,000		3,000		-
28	PLC Communication Port motor of each rating	Each	1	2	3		500		1,500	1		500		500		1,000
29	Digital Display glass panel flat (Blaustrade) of each category	Each type	2	5	7		2,000		14,000	1		2,000		4,000		10,000
30	Skirt brush stainless steel Panel (Blaustrade) of each category	Mtr of each type	2	8	10		1,000		10,000	1		1,000		2,000		8,000
31	Skirt Brush bracket	Mtr	2	8	10		20		200	1		20		40		160
32	Comb Plate actuating assembly (Left & Right)	Each	1	2	3		900		2,700	1		900		900		1,800
33	Step Roller	Nos.	5	15	20		200		4,000	1		200		1,000		3,000
34	Chain Roller	Nos.	5	15	20		300		6,000	1		300		1,500		4,500
35	Relieving curve bottom and top	Each	1	1	2		23,000		46,000	1		23,000		23,000		23,000
36	Step Axel	Nos.	2	8	10		4,000		40,000	1		4,000		8,000		32,000
37	Step Bride	Nos.	3	11	14		100		1,400	1		100		300		1,100
38	Step Bush	Nos.	3	11	14		600		8,400	1		600		1,800		6,600
39	Step Lock Pin	Nos.	3	11	14		20		280	1		20		60		220
40	Oil lubrication Pump	Nos.	1	0	1		10,000		10,000	1		10,000		10,000		-
41	Oil Pressure Switch	Nos.	1	0	1		200		200	1		200		200		-
42	Oil Lubrication Brush	Nos.	6	19	25		40		1,000	1		40		240		760
43	Oil Lubrication pipe assembly (distributor)	Nos.	1	0	1		40		40	1		40		40		-
44	Control panel light with assembly	Nos.	1	0	1		200		200	1		200		200		-
45	Comb Light	Nos.	1	4	5		500		2,500	1		500		500		2,000
46	Handrail inlet (entry boot)	Nos.	2	8	10		130		1,300	1		130		260		1,040
47	MCCB of each type rating	Nos.	1	0	1		21,000		21,000	1		21,000		21,000		-
48	MCB of each type rating	Nos.	1	0	1		1,000		1,000	1		1,000		1,000		-
49	Floor plate support	Nos.	1	1	2		900		1,800	1		900		900		900
50	Glass Balustrade of each shape and size	Nos.	1	0	1		1,230		1,230	1		1,230		1,230		-
51	Direction Indicator	Nos.	1	1	2		14,000		28,000	1		14,000		14,000		14,000
52	Key switch each type	Nos.	1	4	5		2,000		10,000	1		2,000		2,000		8,000
53	Steps	Nos.	7	23	30		6,000		180,000	1		6,000		42,000		138,000
54	Handrail reversing wheel	Nos.	1	0	1		25,000		25,000	1		25,000		25,000		-
55	Friction Wheel	Nos.	1	1	2		21,000		42,000	1		21,000		21,000		21,000
56	Handrail Support Roller	Nos.	2	8	10		3,500		35,000	1		3,500		7,000		28,000
57	Handrail Guiding Roller	Nos.	2	8	10		300		3,000	1		300		600		2,400
58	Handrail shaft including sprocket	Nos.	1	0	1		15,000		15,000	1		15,000		15,000		-
59	Main shaft including sprocket	Nos.	1	0	1		148,000		148,000	1		148,000		148,000		-
60	Bottom shaft return shaft including sprocket	Nos.	1	0	1		50,000		50,000	1		50,000		50,000		-
61	Brake resistance of each type rating	Nos.	1	0	1		9,000		9,000	1		9,000		9,000		-
62	Handrail chain	Set	1	0	1		7,000		7,000	1		7,000		7,000		-
63	Drive chain	Set	1	0	1		17,000		17,000	1		17,000		17,000		-
64	Floor plate complete set	Nos.	1	0	1		250,000		250,000	1		250,000		250,000		-
65	Floor plate hinge	Nos.	1	1	2		150		300	1		150		150		150
66	Broken chain assembly	Nos.	1	0	1		5,200		5,200	1		5,200		5,200		-
67	Pit emergency stop	Nos.	1	0	1		100		100	1		100		100		-
68	Wago connector of each size	Nos.	1	0	1		20		20	1		20		20		-
69	Circlip of each size	Nos.	1	4	5		20		100	1		20		20		80
70	Power cable of each size	Mtr	3	11	14		2,000		28,000	1		2,000		6,000		22,000
71	Control cable of each size	Mtr	6	19	25		1,000		25,000	1		1,000		6,000		19,000
72	Service Brake Liner	Nos.	1	1	2		4,000		8,000	1		4,000		4,000		4,000
73	Safety Brake Liner complete set	Nos.	1	0	1		4,000		4,000	1		4,000		4,000		-
74	Tangential guide	Nos.	1	1	2		4,000		8,000	1		4,000		4,000		4,000
75	Lateral guide for step entry	Nos.	1	3	4		3,000		12,000	1		3,000		3,000		9,000
76	Step chain	Nos.	2	8	10		2,000		20,000	1		2,000		4,000		16,000
77	Step guide pad	Nos.	6	19	25		300		7,500	1		300		1,800		5,700
78	Handrail Pressure assembly complete set	Nos.	1	0	1		15,000		15,000	1		15,000		15,000		-
79	Handrail Entry Plastic Profile	Nos.	1	1	2		200		400	1		200		200		200
80	Gear oil as recommended	Barrel	1	0	1		145,000		145,000	1		145,000		145,000		-
81	Lubrication oil as recommended	Barrel	1	0	1		50,000		50,000	1		50,000		50,000		-
82	Sticker"pictogram" as per EN115	Nos.	23	77	100		50		5,000	1		50		1,150		3,850
83	Sticker"Emergency Stop"	Nos.	23	77	100		50		5,000	1		50		1,150		3,850
Total										1		50		1,278,780		594,190

* Specify Currency (ies) (Euro/GBP/INR/US Dollar/Yen or any combination of these currencies.

Note:- This statement will be considered part of Evaluation of Tender.

- For the detailed list of Recommended Spares refer Appendix E of Particular Specification. The list is inclusive and not exhaustive Any additional spares in compliance to GS Clause 13.1 and Chapter 13 of Particular Specifications if required the same may be indicated by the firm in their technical offer.
- For the detailed list of Unit Exchange Spares refer Appendix E of Particular Specification.
The Employer reserves the right to revise the Items & Quantity in the last based on the experience/ performance during the Defect Liability Period, at no extra cost
- The list is indicative and not exhaustive. Bidder shall consider any additional spares, if required in their offer.
-

Statement of Prices – SOP-6A

SOP-6A: Adjustment Price for Addition of Vertical Rise in Escalator

SN	Description	Unit	Quantity Schedule- 01	Quantity Schedule- 02	Unit Price (INR)	Schedule-1 amount	Schedule-2 amount
1	Heavy Duty Escalator – Additional Vertical Rise beyond 13.0 meters	Meter	Provisional	Provisional			
a	Supply Price (inclusive of additional truss length, steps, step chains, handrails, motor & brake upgrade, regenerative braking, newel drive where applicable, electrical & control modifications, safety devices, testing and commissioning)	Meter	20	30	360000	7200000	10800000
b	Installation, Testing & Commissioning Price	Meter	20	30	90000	1800000	2700000
	Total (Carried forward to Tender Total Summary)				450000	9000000	13500000

Notes & Conditions

1. The rates under SOP-6A shall be applicable only for that portion of escalator vertical rise exceeding 13.5 m, measured in meters or part thereof.
2. No adjustment shall be payable for any rise up to and including 13.5 m, as the same is deemed to be fully covered under Statement No. 2 (3.0 m to 13.0 m rise bands).
3. The quoted rates shall be deemed inclusive of all consequences of increase in escalator rise beyond 13.0 m, including but not limited to:
 - Additional truss length and structural members
 - Additional steps, step chains, handrails
 - Upgrade of drive motor rating
 - Upgrade of service brake and auxiliary brake
 - Provision of regenerative braking system
 - Provision of newel drive wheel with chain drive (where required)
 - Electrical power, cabling, control and safety system modifications
 - Compliance with EN-115 and Employer's Specifications
 - Testing, commissioning and integrated testing
4. Any change in motor rating, braking system, drive configuration or safety devices arising due to increase in rise beyond 13.0 m shall be deemed to be covered in the quoted rate, and no separate claim shall be admissible.
5. The quantities under this SOP are provisional, and payment shall be made only for the actual executed rise beyond 13.0 m, duly approved by the Engineer / Employer.
6. The rate shall be applicable irrespective of escalator inclination (30° / 35°), direction of travel, or balustrade type (SS / Glass).

Statement of Prices Statement No.6B
Unit Price for Galvanized Sheet Steel and Stainless Steel

S.N	Description	Unit	Quantity Schedule-01	Quantity Schedule-02	Unit LAR price for per m2 (INR)	Total LAR Price	Escalation	Unit price for per m2 (2)	Schedule-1 amount	Schedule-2 amount
1	Stainless Steel of grade 304, to be used in Outer Cladding	RMT	100	100	6,000	600,000	1	6,000	600,000	600,000
2	Galvanised Steel with - Galvanising 85 micro meter, to be used in Outer Cladding	RMT	150	100	3,500	350,000	1	3,500	525,000	350,000
3	Stainless Steel of grade 304 for decking extension	RMT	200	200	8,500	1,700,000	1	8,500	1,700,000	1,700,000
4	Adjustment Price for Use of Galvanised Sheet Steel instead of Stainless steel in the Non- visible outer cladding	RMT	200	150	2,500	375,000	1	2,500	500,000	375,000
Total carried forward to Tender Total Summary						3,025,000			3,325,000	3,025,000

Note:-

- 1 To be filled by the bidder This statement will be taken into account or the purpose of comparative evaluation of Tender.
- 2 The decking extension with Stainless steel (Grade 304) from the Escalator to side walls shall be provided by the firm as per PS Clause -5.3.10. Payment will be made on actual measurement basis of the finished decking extension installed
- 3 Price quoted for the escalators should be of Stainless steel and Adjustment of Price will be done as per rates quoted

Statement of Prices - 7

Statement No.7: Prices for Annual Maintenance Charges for 1 (One) years beyond Defect Liability Period.

S.N	Description	Qty Schedule-01 (Nos)	Qty Schedule-02 (Nos)	AMC LAR charges per unit	Escalation	Escalated AMC charges per unit	Total Escalated Amount Schedule-01	Total Escalated Amount Schedule-02
1	Annual Maintenance Charges for 1 years beyond Defect Liability Period of Escalators	14.00	71.00	123612.00	1.00	123612.00	1730568.00	8776452.00
Total to be carried forward to Tender Total Summary							1730568.00	8776452.00

Notes

1	The cost of spare parts required for maintenance during AMC period beyond DLP will be deemed to be inclusive in the prices for AMC indicated. In Statement No. 8. Nothing extra will be paid for such spare parts.
2	This statement will be taken into account for the purpose of comparative evaluation.
3	Payment for AMC will be made on quarterly basis on completion of maintenance obligations by the Contractor.
4	Scope of maintenance work will be as per Chapter 17 of PS.
5	At the end of the DLP, bidder shall make a joint List of Balance DLP & Commissioning Spares. The Spares will be used by contractor during one year AMC however the same has to be handed over back by the contractor to the UPMRC at the end of the AMC.
6	In addition to above, for the AMC period the contractor shall maintain minimum Spare same as per the DLP and submit the List for any additional spare required with his technical submission which will be required during above 1 (one) year AMC . <u>If any additional spare is required during AMC period, it will be supplied by contractor free of cost. The Contractor shall keep on Site, at his own cost, throughout the Annual Maintenance contract (AMC) periods, stocks of spare parts, as per the list to enable rapid replacement of any item found to be defective or in any way in non-conformance with the Specification.</u>
7	AMC Spares shall be supplied at least one month before Completion of DLP. Stocks of such spares as available in Contractor stores will be jointly checked with Engineer/O&M staff every three months. Certificate by Engineer confirming availability of the spares in contractor stores / in Depots as per list will be a pre-requisite for release of interim payments of the Contractor. <u>Please refer Clause 18.11 of PS for BG requirement for AMC period.</u>



UTTAR PRADESH METRO RAIL CORPORATION LIMITED

**Design, manufacture, supply, installation, testing & commissioning of lifts and
CCTV installation inside lifts including 01 years DLP and 02 Year Comprehensive
Annual Maintenance in Agra Metro Staff Quarters**

CONTRACT: LKE (02)-02

TENDER DOCUMENTS VOLUME 5

Bill Of Quantities

**Uttar Pradesh Metro Rail Corporation
Ltd.
Administrative Building, Vipin Khand,
Gomti Nagar, Lucknow – 226010, Uttar
Pradesh, India**

Contents

1.	GENERAL REQUIREMENTS	3
2.	CONTENTS OF THE STATEMENT OF PRICES	7
3.	TERMS OF PAYMENT	9
4.	STATEMENT OF PRICES	12-16

Bill of Quantity

(TO BE INCLUDED IN FINANCIAL PACKAGE ONLY)

Pricing Document

PREAMBLE

1. GENERAL REQUIREMENTS

- 1.1 The Tenderer's attention is drawn to the General Conditions of Contract, Special Conditions of Contract and Employer's Requirements. This Preamble will serve as a definitive guide to the terms of payment.

The Tenderer shall note that this is a fixed priced contract.

This Contract is for, Design, manufacture, supply, installation, testing & commissioning of lifts and CCTV installation inside lifts including 01 years DLP and 02 Year Comprehensive Annual Maintenance in Agra Metro Staff Quarters under the contract AGSQE-01, including but not limited to:

- Registration with statutory authorities under UP Lift and Escalators Act, 2024.
- Construction studies and drawings,
- Procurement of the whole equipment including spare parts
- On-site minor civil, E&M works, erection and testing and commissioning of elevators as per acceptance protocols.
- On site testing
- Commissioning of installation and acceptance test
- Attendance upon statutory authorities' inspections and tests, completion of all modifications to meet authorities' approval and arranging approval from such authorities;
- Supply of relevant documentation mainly including :
 - i) Installation, execution, and as-built drawings, all subsequent revisions, changes required and re-submittals as necessary
 - ii) Test procedures, Method Statements
 - iii) Maintenance operation manuals ,O&M Documentation and other obligations and documentation under UP Lifts and Escalators Act, 2024 to be complied during AMC period.

Work under 2(two) year comprehensive AMC after completion of 1(one) year DLP

- Inspection and Maintenance of Machine-Room Less Elevators by the Contractor during the specified period.
- Operation, Maintenance and Spare Parts Management;
- Supplying all tools, special tools, and special test instruments and equipment;
- Troubleshooting and hands on Operation & Maintenance Training sessions of UPMRC staff.
- Validation of RAM data as per the actual performance obtained during DLP as per Employers Requirements

1.2 Tender Price: The tenderer is required to note clause-24 of SCC while quoting the prices.

The BOQ (Pricing Document) of Contract AGSQE-01 is further subdivided in various statement of prices. The tenderer should quote the prices separately in each Statement of prices. The total of all the Statement of Prices are included in **Total Tender Summary. The Price indicated in Tender Total summary is considered as total price of the Tender.**

1.3 Quantities:

For the purpose of this Contract, all unit quantities given in the Bills of Quantities are the estimated quantities of the Works and are intended in the first instance to provide a common basis for Tendering and Tender Evaluation. When a contract has been entered into, the function of priced Bills of Quantities is to provide for the valuation of the work executed. No alteration of any rate or price shall be allowed on account of any difference between the quantities billed and the actual quantities measured from the drawings.

The Tenderer shall make himself completely acquainted with all conditions, obligations, specifications, drawings, etc. of the Tender Documents before giving his prices. He shall have no right to claim any price revision on the basis of ignorance of the Tender Documents or local conditions, or to make any claims as regards the integrity of the unit prices of the Bill of Quantities.

1.4 Units and Currency

The Tenderer shall fill in each column with unit rate or lump sum, whichever the case may be, for each statement item of the various Statements, provided that he should consider it a reimbursable item, on the basis of the Tender Documents and pre-tender meeting and site visits.

1.1 Rates and Sums to be for Complete Work

Tenderers shall be deemed to have read the Employer's Requirements and other parts of the Tender Documents to ascertain the full scope of the requirements included in each item prior to filling in the rates and prices. The Statements of Prices do not describe the Works completely in all respects and reference must be made to the Conditions of Contract and the Employer's Requirements on the detailed scope. No claim shall be considered in respect of any omission or alleged omission in the Statement of Prices of any cost required to bring the Works to completion.

Notwithstanding any limits that may be implied by wording of the individual items and/or explanations in the Preamble, the rates and sums, which the Tenderer enters in the Statement

of Prices, shall be for the work finished complete in every respect.

The Tenderer shall be deemed to have taken full account of all requirements, liabilities, obligations and risks, whether expressed or implied, and to have priced the items accordingly. The items in the Statement of Prices are the only items against which payment will be made. The cost of any item of work not specifically described in the Statement of Prices but required for the execution of the Contract shall be allowed for in the unit rates for the items in the Statement of Prices. The entered rates and prices shall be deemed to be inclusive of labor, material, equipment, overheads, profits and all other direct and incidental costs of whatever nature and risks of every kind necessary to design, manufacture, deliver, install, test and commission (including Integrated Testing and Commissioning) complete, and remedying any defects in the whole of the Works in accordance with the Contract.

1.2 Allowances in rates

Full allowance shall be made in the rates and sums against the various items in the Statement of Prices and Quantities for all costs involved in performing the Works except to the extent that work is specifically described and paid for in the Statement of Prices. The list below is not exhaustive and the Tenderers are expected to take all costs involved while quoting the rates that will not be subject to variation on any account.

- (i) all setting out and survey work;
- (ii) payment of all patent rights and royalties;
- (iii) safety precautions and all measures to prevent damage and suppress fire and other hazards;
- (iv) the protection and safety of UPMRC premises;
- (v) supplying, maintaining and removing on completion the Contractor's own accommodation, offices, depots, stores, workshops, transport, welfare services and other facilities including telephones and facsimile machines and all charges in connection therewith;
- (vi) the supply, inspection and testing of materials and of the Works as specified including the provision and use of equipment and arrangements for the "Engineer" and others;
- (vii) providing transporting to the Site, setting to work, operating (including all fuel and consumable stores), maintaining and removing from the Site upon completion of all Erection and Contractor's Equipment necessary for the execution of the Works and including the cost of all tests and other requirements in respect of such plant and equipment;
- (viii) working adjacent to or across existing services and installations;
- (ix) complying with the requirements of the Employer in regard to Safety and Health, and Quality Assurance;
- (x) remedying of defects and shrinkage, and works of amendment, reconstruction,

replacement of other faults, fair wear and tear excepted, during Defects Liability Periods;

- (xi) protection to be implemented against Electro-magnetic effects;
- (xii) insurance, including all risks in supply, erection, storage, transit, third party, Workmen's compensation and the like;
- (xiii) tools and test equipment required for all tests prior and after delivery;
- (xiv) License from concern state government.
- (xv) Registration under UP Lifts and Escalators Act, 2024
- (xvi) Clearance from UP/ Concern State Fire Service

1.3 Unit Rates

Items against which, no rate or sum is entered by the Tenderer, whether quantities are stated or not, shall be regarded as covered by other rates in the Statement of Prices. As per clause E5.1.6 of the ITT, when the rates quoted are unbalanced / frontloaded and If the tenderer fails to establish consistency in the prices for any or all items, then UPMRC (Employer) may seek revision in the price break - up among the different milestones to eliminate 'unbalance' or 'front loading', OR advise the tenderer to submit suitable Bank Guarantees for the amount established as unbalanced or front loaded. The tenderer will be required to submit the Bank Guarantees to UPMRC prior to the release of the corresponding payments by UPMRC. The tenderer will explicitly accept these decisions taken by the employer, prior to the signing of contract.

1.4 Tender Pricing

Tenderers shall quote for the entire work on a "single responsibility" basis such that the total tender price covers all Contractor's obligations mentioned in or to be reasonably inferred from the Tender Documents in respect of the design, manufacture, including procurement and subcontracting (if any), delivery, construction, installation, completion of the whole of Works. This includes all requirements under the Contractor's responsibilities for testing and commissioning of the works including integrated testing and commissioning, the acquisition of all permits, approvals and tender licenses, etc.; the operation, maintenance and training services and such other items and services as are specified in the tender documents. Items against which no price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed to be covered by the prices for other items. The Tenderer shall take regard of the actual site conditions and the items entered in the various Statements. The Tenderer shall price his tender accordingly and the unit prices entered against a line item shall be the full and only price paid for all work performed against that item except as described in the Tender Documents.

Tenderers are required to quote the price for the commercial, contractual and technical obligations outlined in the tender documents. If a Tenderer wishes to make deviations or wants to put conditions, qualifications, etc., such deviations, conditions, qualifications etc.

shall be listed in Appendix- C to Annexure - 3 to ITT. The Tenderer shall also provide in this statement the additional price, if any, for the unconditional withdrawal of the deviations, qualifications, conditions etc. This additional price for unconditional withdrawal has to be given separately for each deviation, qualification, condition, etc. Any deviation/ qualification condition that is not priced for unconditional withdrawal shall not be considered.

The Tenderer shall quote the prices in the Statements of Prices in Indian Rupees only.

2. CONTENTS OF THE STATEMENT OF PRICES

2.1 The Pricing Document is divided in various Statements of Prices as follows:

- | | |
|-----------------|---|
| Statement No. 1 | Design, Manufacture, Supply, Installation, Testing and commissioning of Machine-Room Less Elevators and all other associated works including maintenance during 1-year DLP. |
| Statement No. 2 | Price for 2 (Two) years Comprehensive Annual Maintenance Contract beyond Defect Liability Period. (Including CCTV system) |

2.2 The Statements do not generally give a full description of the plant and equipment to be supplied and the services to be performed under each item. Tenderers shall be deemed to have read the Employer's Requirements to ascertain the full scope of requirements included in each item prior to filling in the rates and prices. The Contractor shall carry out all the work necessary to meet the requirements of the Employer's Requirements.

2.3 If Tenderers are unclear as to the scope of any item, they shall seek clarification in accordance with the Instructions to Tenderers prior to submitting their tender.

2.4 The Statements shall cover all work necessary to include but not limited to- Preparation, submission, and all subsequent revisions, changes required and resubmittals as required by the Employer's Requirements until "Notice of No Objection " or "Notice of No Objection subject to ... " has been issued by the "Engineer" for:

(A) Manufacturing, Supply and Delivery of Elevator at Site.

- documents , drawings , supporting calculations;
- establishing and carrying out of manufacture/procurement;
- operation of quality assurance program at places of Manufacture;
- conduct type tests, factory acceptance tests, tests before shipment;
- inspection, packing, crating, insurance , shipping/ transporting all the Lift Material to Site , including insurances, bank guarantees, and transfer from factory to Site, unloading, all storage and watch & ward cost, etc. (including Port Handling, Clearance of imports, etc. in case the material is imported to India).
- Equipment manufactured or fabricated within the Employer's country shall be quoted on an EXW (ex-factory, ex works, ex warehouse or off-the-shelf, as applicable) basis and shall be inclusive of all costs and taxes paid or payable on components and raw materials incorporated or to be incorporated in the work. Taxes and duties as specified in clause – 24 of SCC.

(B) Installation Services

- preparation for installation / erection (including provision of temporary services as required)
- erection , aligning and mounting all components of elevator including labor, contractor's equipment, temporary works, materials and consumables
- installation of power and monitoring devices
- Civil building material and machinery for minor civil work and power cabling and earthing work
- making good, finishing and clearing the location on completion
- Installation and Erection Quality Plan
- Stage by Stage Quality Checks and submission of reports for the same
- tools , instruments , tackles and documents required
- attendance upon the "Engineer"

(C) Testing, Commissioning including integrated testing and Commissioning

- testing and putting to work of all plant and equipment , sub-systems, and systems
- integrated testing and commissioning plan
- tools, instruments, tackles and documents required
- attendance upon the "Engineer"
- testing , retesting, fault finding , adjustments and reworking as necessary
- submittal of all test reports and other documents as required by the "Engineer" under the Contract
- applying and obtaining statutory clearances Licenses for the Lifts
- Attendance upon statutory authorities' inspections and tests, completion of all modifications to meet authorities' approval and arranging approval from such authorities.

(D) Maintenance of installed Elevator during the Specified Defect Liability Periods and AMC periods

This item shall cover all work necessary to include but not be limited to:

- deployment of qualified staff
- replacement as required by the Employer
- inspection of installed plant and equipment relating to each elevator installed
- transport, labor, contractor's equipment
- submittal of inspection documents as required by Employer and as mentioned in UP Lifts and Escalators Act, 2024.
- maintenance of installed plant and equipment relating to each elevator installed
- testing , retesting, fault finding , adjustments and reworking as necessary
- replacement parts, materials, consumables
- performance obtained during the DLP and AMC in compliance with the Employers requirements
- DLP spares and tools
- Timely renewal of Lift License.

(E) O&M Documentation and Staff Training

This item shall cover all work necessary to include but not be limited to:

- Operation, Maintenance and Spare Parts Manuals
- preparation, submission, and all subsequent revisions, changes as required by the "Engineer"
- As-Built Drawings
- training manuals, curricula, etc.,
- employment of approved training staff;
- Troubleshooting and Maintenance Training of approved Employer staff.

3. TERMS OF PAYMENT

3.1 Payments will be made to the Contractor in the INR currency only Notwithstanding anything stated herein the "Engineer" retains the right to withhold payment on any pay item due for payment when the service to be performed is not performed, or is not carried out to the "Engineer's" satisfaction.

3.2 The Employer will pay the Contractor in the following manner and at the following times on the basis of the Prices given in Statement of Price.

Statement of Prices 1: Design, Manufacture, Supply, Installation Testing and Commissioning of Elevator including maintenance during 1-year DLP.

The amount entered shall be the total price to be paid for the design, manufacture, supply Installation Testing and Commissioning of Elevators including CCTV system and Desktop and all other associated civil and E&M related works including maintenance during 1-year DLP.

Stage payment under this statement will be released as per the following milestones.

Sno.	Stage Payment	Description	%age of Unit rate
1	Stage Payment-1	Design, Manufacture, Supply and Delivery of Elevator material, machinery and CCTV system material at site.	50%
2	Stage Payment-2	Erection and Installation of Elevator and CCTV system	15%
3	Stage Payment-3	Successful Testing and commissioning of complete Elevator System and CCTV system	15%
4	Stage Payment-4	Handing Over with complete O&M Documentation	10%
5	Stage Payment-5	Maintenance during 1-year DLP	10%

A. 60% of Statement of Price - 1 (Stage Payment- 1) of the price for each elevator shall be payable after delivery of material at site and on submission of :

- Invoice
- Indemnity Bond (Indenture of Stage Payment) as per Schedule- 8 of SCC
- Excise Duty Gate Pass I Factory Gate Pass and Transport Challan (in case of Indigenous supply of material)
- Bill of Entry, Bill of Lading and Packing List (in case of Overseas Supply of material)
- certificate of type tests
- certification of Factory Acceptance tests
- copy of all applicable Insurances

B. 15% of Statement of Price - 1 (Stage Payment - 2) of the price for each elevator shall be paid for Erection and Installation of Lifts, after due certification of the Lifts by the Quality Department of the Elevator Contractor.

C. 15% of Statement of Price - 1 (Stage Payment - 3) of the price for each elevator shall be paid after submission of completed Commissioning Checklist (Appendix C of Volume 4 Technical Specifications) with all the relevant tests reports attached and subsequent verification by Employers ' Staff.

D. 10% of Statement of Price - 1 (Stage Payment - 4) of the price for each elevator shall be paid after issuance of Lift License by the statutory authority and on issuing of taking over certificate by the Employer.

E. 10% of Statement of Price - 1 (Stage Payment - 5) of the price for each elevator shall be paid for Maintenance of elevator during DLP. Shall be full compensation for all direct and incidental costs relating to the Works in this statement for specified periods from the date of the Taking-Over Certificate for all the Machine-Room Less Elevators. Payment shall be made on a quarterly basis upon receipt of satisfactory inspection and maintenance reports endorsed by the Employer to the performance claimed by the Contractor.

Statement of Prices No. 2 – Price for 2 (Two) years Comprehensive Annual Maintenance Contract beyond Defect Liability Period. (Including CCTV system)

The price for each elevator shall be paid for Maintenance of elevator during AMC including spares and tools.

The amount entered shall be the total price to be paid for Inspection and Maintenance of each Machine-Room Less Elevator beyond 1-year DLP, during the specified Periods.

Shall be full compensation for all direct and incidental costs relating to the Works in this statement for specified periods from the date of start of 2-year AMC period beyond 1-year DLP for all the Machine-Room Less Elevators.

Payment shall be made on a quarterly basis upon receipt of satisfactory inspection and maintenance reports endorsed by the Employer to the performance claimed by the Contractor.

- 3.3** Final payment and Performance Certificate will be issued upon only after compliance of Employer's Requirements.
- 3.4** Taxes at Source (as per applicable laws) and Retention money will be deducted from the payments due in accordance with the Conditions of Contract.

Bill of Quantity

SUMMARY SHEET OF BOQ- AGSQE-01 TENDER

(This document is to be prepared and completed by the tenderer)

Description	Total Amount (in Figures)	TOTAL (In Words)
	INR	INR
Statement-1		
Statement-2		
Total amount (excluding GST)		
Total amount (including GST)		

Total tender amount In words (INR) _____

Statement of Price -1				
Price for Design, Manufacture, Supply, Installation, Testing and commissioning of Machine-Room Less Elevators at site including maintenance during 1-year DLP.				
S. No.	Description	Qty.	Unit Rate (excluding GST)	Amount (in figures)
			INR	INR
1	15-Passengers cum service Lift (No. of Landings - 4) including CCTV system and all other associated Civil and E&M works including maintenance during 1-year DLP.	3		
TOTAL (A)				

Statement of Price - 2				
Price for 2 (Two) years Comprehensive Annual Maintenance Contract beyond DLP (Including CCTV system)				
S. No.	Description	Quantity	Unit Rate (excluding GST)	Total Amount
1	15 Passengers cum service Lift 2-year CAMC	3		
TOTAL (B)				

Note:-

1. Maintenance of Machine-Room Less Elevators excludes Contractor's obligations and responsibilities during the Defects Liability Period.
2. The cost of spare parts required for maintenance during AMC period beyond DLP will be deemed to be inclusive in the prices for AMC indicated in Statement No. 2. Nothing extra will be paid for such spare parts.
3. Payment for AMC will be made on quarterly basis on completion of maintenance obligations by the Contractor.

SUMMARY OF all SOPs	
Description	Total Amount (in Figures)
	INR
Statement-1: Price for Design, Manufacture, Supply, Installation, Testing and commissioning of 15-Passengers cum service Lift (No. of Landings - 4) Machine-Room Less Elevators at site including CCTV system and all other associated Civil and E&M works including maintenance during 1-year DLP.	4700000
Statement-2: Price for 2 (Two) years Comprehensive Annual Maintenance Contract beyond DLP (Including CCTV system)	804000
Total amount (excluding GST)	5504000
Total amount (including GST)	6494720

Statement of Price -1				
Price for Design, Manufacture, Supply, Installation, Testing and commissioning of Machine-Room Less Elevators at site including maintenance during 1-year DLP.				
S. No.	Description	Qty.	Unit Rate (excluding GST) INR	Amount (in figures) INR
1.1	15-Passengers cum service Lift (No. of Landings - 4) including CCTV system and all other associated Civil and E&M works including maintenance during 1-year DLP.	3	1500000	4500000
1.2	Civil & E&M requirements for installation of Lifts	LS	200000	200000
TOTAL (A)				4700000

Statement of Price - 2				
Price for 2 (Two) years Comprehensive Annual Maintenance Contract beyond DLP (Including CCTV system)				
S. No.	Description	Quantity	Unit Rate (excluding GST)	Total Amount
1	15 Passengers cum service Lift 2-year CAMC	6	134000	804000
TOTAL (B)				804000

Note:-

1. Maintenance of Machine-Room Less Elevators excludes Contractor's obligations and responsibilities during the Defects Liability Period.
2. The cost of spare parts required for maintenance during AMC period beyond DLP will be deemed to be inclusive in the prices for AMC indicated in Statement No. 2. Nothing extra will be paid for such spare parts.
3. Payment for AMC will be made on quarterly basis on completion of maintenance obligations by the Contractor.