

## NORTH WESTERN RAILWAY

**Prequalification criteria for Elevator/Lift**

As per NWR HQ Letter No EL/50/0/SNW/Vol II dated 31.12.2019 and following eligibility criteria must be fulfilled by tenderer. **Eligibility Criteria for Lift Works (SPECIAL CONDITION) (Mandatory)** The following pre- qualification criteria for "Design, Manufacture, Supply, Erection. Commissioning. Testing & Maintenance of Lifts" to have reliable operation of elevators/lifts which are meant for passenger services as well as for Railway colonies and office building is to be followed over NWR.

1) The bidder shall supply the elevator/lifts as per the latest CPWD specification of elevators/lifts.

**2. Eligibility Criteria:****2.1 Technical Eligibility Criteria:**

(a) The tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited:

Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or

Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or

One similar work each costing not less than the amount equal to 60% of advertised value of the tender.

(b) The bidder should have maintained 30% of tendered quantity of the lifts through a single contract for three years, having availability above 95%, in the last five years.

(c) The bidder should have experience of supply, installation, testing and commissioning of lifts /escalators with or without AMC in Railway or Airport or Metro Rail or Mono Rail or High Speed Rail or Mass Rapid Transport System or any

other Government controlled or owned public transport system.

**2.2 Financial Eligibility Criteria:** The tenderer must have received contractual payments in the previous three financial years and the current financial year up to the date of opening of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client and /or Audited Balance Sheet duly certified by the Chartered Accountant etc.

3) The bidder shall supply and undertake the AMC of the lifts for a period of Five years after completion of warranty period along with supply, erection and commissioning of lifts.

4) OEM or their authorized dealer / representative may participate in the tender. However, the authorized dealer / representative certificate with validity shall be submitted by OEM along with tender documents otherwise their offer shall be summarily rejected.

5) The bidder shall maintain elevators/lifts breakdown attention cell for 24 hrs. where breakdown of lift can be registered with cell phone or email for its immediate repair.

6) Warranty period: - The warranty period of lifts / elevators will start after successfully commissioning of elevators /lifts at site i.e 24 months from date of commissioning of / elevators/lifts or 30 months from the date of supply whichever is earlier.

7) Necessary document shall be furnished by the bidder in support of the above Criteria mentioned in above items 1 to 6.

### **General Terms and Conditions:**

1. The work to be carried out as per IE rules and code of practice.
2. Warranty period of 24 months from the date of commissioning of elevator and 30 months from the date of supply of elevator, whichever is earlier.
3. All released material to be deposited to concern field Incharge office.
4. Proper shut down will be arranged from concerned Senior Section Engineer of the section.
5. The location of the work can be changed as per the requirement of Railway in the division.
6. Tender will be governed by G.C.C. as amended time to time.
7. The contractor should have valid Electrical contractor license issued by Govt. and submit along with tender document. The OEM or his authorized dealer will be exempted from license.
8. Vehicle and equipments of contractors can be taken by Railway administration in case of accidents/natural calamities involving human lives. Payment for the same will be made after operating the items as Non-schedule items, as per the existing norms and power delegated in the SOP of Railways.
9. Make of items/ equipment shall be as per material reference list.
10. Whenever laying of cable is to be done across the road/platform/other places. than same should be repaired with Concrete Cement properly.
11. There may be minor variation in rating /other parameters from make to make. The variation in positive side and beneficial to Railway is acceptable.

12. Any contradiction in schedule of rate and specification; the decision of Railway
13. The location of the work can be changed as per the requirement of Railway in the division.

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MEENA  
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Location: New Delhi

**Annexure-A****Special Tender Conditions for Contract of provision of Elevators (Lifts) on NWR**

Location: - This work will be executed at Jaipur, Jaipur Division.

**Scope of Work**

This work involves design, manufacture, supply at site, installation, testing and commissioning of 10 passenger lifts.

**Scope of work for this work should follow/governed as per CPWD system/specification for procuring/installing lifts for Railway station. Railway Station is considered in CATEGORY 'A' list of buildings defined in CPWD works manual 2014(para 16.7) for reliability are of installing passenger lift at Railway stations where safety and paramount importance. As per CPWD office memorandum DG/SETAS(E)/Enlist. Rules - Lifts- A/03 dated 10.01/19 Discontinue the enlistment of lift manufacturer and removed the names of M/s OTIS, M/s Kone, M/s Mitsubishi, M/s Schindler & M/s Johnson Lifts Pvt. Ltd. Chennai from the work manual as laid down in section 16.7(i) of CPWD Works manual 2014.**

(i). The categorization of lift for various buildings is as under.

Category "A" - Residential Building, Hospital, Prestigious Buildings. Buildings of National Importance other non-residential and office buildings more than six floors (G+ 5)

Category "B" - Office buildings and other non-residential buildings except type of buildings classified under category A.

(ii) The manufacturers approved under category "A" can participate for the works to be executed in various buildings under category "B".

(iii) The Zonal Chief Engineer may decide the buildings of prestige and National importance to be classified under category "A" to invite tenders from manufacturers approved under category "A".

(iv) The makes approved under category "A" can be installed in any buildings provided the user department makes such specific request and is willing to bear the extra cost involved over and above the sanctioned provision of the estimate. Recommendation of Consultant to provide lift out of five makes approved under "A" category should not be treated as final word unless approved by user department.

(v) The preliminary estimate for the lifts to be installed in various buildings under category "A" & "B" should be prepared accordingly.

(vi) Para 16.3 of this Manual may be referred to regarding the main contractor associating specialized agencies for specialized components of the work that are covered by the contract.

1. CPWD General Specification for Electrical works (Part-III, Lifts & Escalators) 2003 is the part of this tender document.
2. The Elevators (Lifts) shall be Machine room less. Gear less type having microprocessor based VVVF control system.
3. The Lifts drive machinery shall be provided with electromagnetic brakes.
4. Provisions as per Barrier free requirements as specified in para 7.2 of chapter-IV,(Technical) & Appendix-VII of CPWD Specification shall be applicable.
5. The elevator (Lift) shall be compatible for working at Railway stations including FOBS, offices or any Railway installations, for single story as well as for multiple stories including basement as per the site requirement.

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6. Inspection clause: Inspection to be conducted as per CPWD specification by RITES/ Representative of N.W. Railway. Copies of all documents of type test conducted for the equipment shall be submitted by the tenderer.
7. Tenderer shall be any of the CPWD's approved manufacturer in Category 'A' as per para 16.7 of CPWD works manual or their authorized dealer/representative/tenderer having joint venture with manufacturer. The valid authorization certificate shall be submitted along with the offer by authorized dealer/representative otherwise their offer will not be considered for evaluation of offer. The JV agreement shall be submitted by tenderer having JV with manufacturer otherwise their offer will not be considered for evaluation of offer.
8. Illumination inside the lift car shall be with LED lighting.
9. The lift operation shall be of Simplex selective-collective operation without attendant
10. . Joint inspection as per check list given at APPENDIX-III of CPWD specification shall be conducted Jointly by Railways & Firm's representative after completion of work.
11. Technical particulars (Annexure-A-II) and additional specification (Annexure- A-1) attached with tender document shall be confirmed by the tenderer.
12. The nominal speed for elevators in either direction shall be 1.0 MPS for transfers between FOB and platform level. In respect of applications other than transfers between FOB and platform level, the nominal speed for elevators in either direction shall be 1.0 MPS upto 6 stops and 1.5 MPS for 7 to 13 stops.
13. Type of door shall be Horizontal Sliding - Centre /side opening type.
14. The AMC for three years will be applicable after expiry of the warranty period. months from the Date of Commissioning of Elevator or 30 months from the Date of Supply, whichever is earlier. The Rate for AMC shall be quoted separately by bidders. The Rate of AMC for three years will be taken for evaluation.
15. Penalty Clause shall be as under

**15.1 During Warranty Period:**

Penalty shall be levied on the Bidder for maintaining availability below the limit of 95%.  
Penalty shall be calculated as %age of Cost of Elevator (All Inclusive) on a quarterly basis.

Availability Slab	Applicable Penalty
95% TO 90%	0.5% for every 1% (or part of) reduction in availability of Elevator.
Below 90%	1% for every 1% ( or part of) reduction in availability of Elevator maximum up to Rs. 1 lakh per Elevator per year.

16. **Penalty during AMC period** : Penalty shall be levied on the bidder for maintaining availability below the limit of 95%. Penalty shall be calculated as % age of quarterly payment as given below and will be deducted from the respective quarterly payments. Penalty calculation will be done over quarterly payment period.

Availability Slab	Applicable Penalty
95% TO 90%	0.5% for every 1% (or part of) reduction in availability of Elevator.
Below 90%	For every 1% (or part of) reduction in availability of Elevator maximum up to quarterly AMC charges as per AMC contract per quarter

**17. Delivery:**

Delivery should be completed within 04 months from the date of contract which include Design, Manufacture, supply, installation, testing and commissioning.

### 18. Warranty Period

18.1 The contractor shall be responsible for any damage to equipment provided in the elevator, due to defective design, materials, workmanship for a period of 24 months from the Date of commissioning of Elevator and 30 months from the Date of Supply, whichever is earlier. The Contractor shall attend to the complaint (including replacement of defective components if required) within 24 Hours from the time of receipt of complaint at his own cost.

18.2 Free Maintenance Period is same as Period of Warranty.

19. The CVC's report on safety of elevators (Lifts) in public building as per Appendix-VIII of CPWD specification is applicable for this tender.

20. The instruction to be displayed in Hindi/English in the lift car is to be provided as per CPWD specification.

21. In case of conflict, Priority for document determining the conditions will be:

1. Special Tender Conditions of Contract for provision of Elevators (Lifts) on NWR.
2. CPWD's Specification,
3. Special Conditions of Contract and General Conditions of Contract.

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