

PART-II : ADDENDUM/CORRIGENDUM-I
DESIGN, MANUFACTURING, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF HEAVY DUTY MACHINE ROOM LESS ELEVATORS & ESCALATOR FOR NMRC PROJECT

Sl. No.	Part	Section	Page No.	Clause No	Bid Condition	Addendum/ Corrigendum to be read as
1	I	II, Bid Data Sheet	33	ITB 4.1	Maximum number of members in the JV shall be: 2 (Two) Lead member should not have less than 51% participation and other members shall have minimum 20% participation in the proposed JV / Consortium for this work. In case of JV / Consortium, change in constitution or percentage participation of JV/Consortium shall not be permitted at any stage after their submission of Bid and thereafter. The authorized representative from lead member only shall be signatory of the bid. (Ref. Form-9, Section-IV of Part-1)	Maximum number of members in the JV shall be: 2 (Two) 3 (Three) Lead member should not have less than 51% 41% participation and other members shall have minimum 20% participation in the proposed JV / Consortium for this work. In case of JV / Consortium, change in constitution or percentage participation of JV/Consortium shall not be permitted at any stage after their submission of Bid and thereafter. The authorized representative from lead member only shall be signatory of the bid. (Ref. Form-9, Section-IV of Part-1)
2	I	II, Bid Data Sheet	44	ITB 14.12 (Additional 1 Para)	NMRC project is covered under Project Import chapter 98.01 of Custom Tariff Act according to which only concessional custom duty is payable. The Bidder should avail this benefit and pass on the benefit of the same to NMRC. As regards registration under Project Import, after the award of the contract, NMRC at the written request of Contractor shall facilitate the Contractor for obtaining sponsoring / recommendation letter from the Ministry of Urban Development / Government of Maharashtra for getting themselves registered for availing Project Import benefits. The responsibility to avail the concessional benefits under Project Import shall solely rest with the Contractor.	<i>Not applicable/Deleted</i>
3	I	II, Bid Data Sheet	50	ITB 35.5	If bidder's quoted price is lower than the 10% of the estimated cost of the proposed work, additional performance guarantee at the rate of 10% of the difference of the lowest allowable limit of quoting and quoted price by the bidders is to be furnished along with the normal performance guarantee.	<i>Not applicable/Deleted</i>
4	I	III, Evaluation & Qualifying Criteria	71	4.1	The Tenderers will be qualified only if they have completed work for The Design, Manufacturing, Supply, Installation, Testing and Commissioning of Elevators & Escalator during last 10 Years as on date of tender submission in above key activities. Starting 1st March 2006 to 31 March, 2016. All Parties Combined: N/A Each Member: Must Meet Requirement Any One Member : N/A	<i>Evaluation & Qualifying Criteria Modified, (Refer to Item A below.)</i>
5	I	III, Evaluation & Qualifying Criteria	71	4.2 (a)	The Design, Manufacturing, Supply, Installation, Testing and Commissioning of Elevators and/or Escalator for Metro, Airport and Suburban Railways completed in last 10 years as mentioned below :- a) Should have received more than INR 1600Million from a single contract comprising of Elevators and/or Escalators Or b) Should have received more than INR 1000Million each from two contracts of Elevator and/or Escalator Or c) Should have received more than INR 800Million each from three contracts of Elevator and/or Escalator If the sole Tenderer or any / all members of JV / JVA / Consortium part constituting the Tenderer is / are from foreign, then the member responsible for manufacturing & supplying of Elevators/Escalator should have an international experience of manufacturing and supplying minimum 44Nos of similar Elevators and 64Nos of similar Escalator each in at least two countries excluding the country of the origin. Similar Elevators/Escalator implies Elevators/Escalator for Airport/Metro/Sub-urban Railways. All Parties Combined: Must Meet Requirement	<i>Evaluation & Qualifying Criteria Modified, (Refer to Item A below.)</i>
6	I	III, Evaluation & Qualifying Criteria	72	4.2 (b)	4.2 (b) Maintenance Contract & Experience The bidder must have successfully carried out post DLP AMC of 130Nos of Elevators and 193Nos of Escalator for continuous period of 5Year for airport/Metro/sub-urban railways as on date of tender submission. Startin	<i>Evaluation & Qualifying Criteria Modified, (Refer to Item A below.)</i>
7	I	IV, Bidding Form	89	4.1	Key Staff Personnel :	<i>(Ref Item J for Proposed Personnel)</i>
8	I	IV, Bidding Form	105	Form PER-2	Summarize professional experience over the last 20 years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.	Summarize professional experience over the last 20 10 years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.
9	II	VII, Work Requirement General Specification Part-A	189	1.7.3	The contractor shall note that the drawings included but marked "for information only"	<i>Drawing Sheets enclosed as Item B below</i>

10	II	VII, Works Requirement - General Specification - Part-A	194	2.3	2.3 IT Requirement of Employer 2.3.4 In view of the above, the Contractor shall be required to: (a) Follow and comply the system guidelines to be issued by Employer (b) Comply all the software system competency requirement by taking training from Employer's Training Academy. (c) Upload / definition of Project Plans as per the template and using software defined by the Employer; (d) Maintenance and updating of uploaded Project Plans in software used by the Employer; (e) Upload of drawings / designs created by the Contractor as per the classification and on the software platform defined by the Employer; (f) Key contract related communication and progress related data as per processes defined on the software platform deployed by the Employer (g) Asset details need to be updated in the system in the format prescribed by the Employer;	(Refer Item D below for IT Requirement)
11	II	VII, Works Requirement - General Specification - Part-A	256	10.7.2	TOT shall be essential and shall include system assembly, installation, maintenance and software modification / customisation and training of Employer's personnel to cover the systems/subsystems: · Overhead collection system · SCADA System · Traction Power Supply equipment · Power supply installations · Earthing & Bonding System	TOT shall be essential and shall include system assembly, installation, maintenance and software modification / customisation and training of Employer's personnel to cover <i>the systems/subsystems as specified in particular specification</i>
12	II	VII, Works Requirement - General Specification - Part-A	256	10.7.3	TOT shall essentially include the following aspects as a minimum: · Engineering or extensions and up gradations of the system. · Re-engineering to suit changed traffic conditions. · Incorporation of optional facilities. · Addition/Modification to depot yards. · Change in parameters of Rolling Stock. · Any other configuration/ programmes required for maintenance/ up gradation of hardware/ software.	TOT shall essentially include the following aspects as a minimum: <i>Engineering or extensions and up gradations of the system.</i> <i>Re-engineering to suit changed traffic conditions.</i> <i>Incorporation of optional facilities.</i> <i>Any other configuration/programmes required for maintenance/ up gradation of hardware/software.</i>
13	II	VII, Works Requirement - General Specification - Part-A	262	12.3.1	The Contractor shall provide supervisory maintenance staff who are experts in the first and third line faultfinding, maintenance and repair of the various systems supplied under the Contract covering at least the following: (1) OCS Equipment System; (2) SCADA System; (3) Cabling Work; (4) Circuit Breakers; (5) Protection and measuring transformers; (6) Bonding and Earthing System; (7) Batteries	The Contractor shall provide supervisory maintenance staffs who are experts in the first and third line fault-finding, maintenance and repair of the <i>various systems supplied under the Contract.</i>
14	II	VII, Works Requirement - General Specification - Part-A	270	15.6.2.6	All accommodation and equipment for the Engineer shall be provided throughout the course of the Works and for so long a period of time during the Defects Liability Period as the Engineer may require.	Clause is not applicable/Deleted
15	II	VII, Works Requirement - General Specification - Part-A	271	15.6.2.7	The Contractor's proposals for the construction of the offices shall be submitted for review by the Engineer within 14 days of the Commencement Date of the Works and erected within 42 days of the Commencement Date of the Works.	Clause is not applicable/Deleted
16	II	VII, Works Requirement - General Specification - Part-A	271	15.6.2.8	The Contractor's attention is drawn to the fact that if directed by the Engineer, resident site staff for the Project shall be allowed use of the Engineer's Site accommodation including the extension of servicing to these resident site staff.	Clause is not applicable/Deleted
17	II	VII, Work Requirement, General Specification (GC)	292	18.7.2.2	A Nurse or trained First-Aider is required at all times at the Site of working.	<i>The bidder should be able to arrange a Nurse or any other trained First-Aider is required at all times at the site of working at the time of incidence of any injury .</i>
18	II	VII, Work Requirement, Particular Specification, Part-A, Elevator	349	3.6	Key dates and Access dates: The 'Key Dates' and 'Access Dates' applicable to this Particular Specification are given in Chapter 21 of this Specification. Chapter 21 Key dates and Access dates (KD1 to KD5 are definitions)	<i>Schedule of Key Dates Enclosed as Item H below</i>
19	II	VII-B, Particular Specification Part-A Elevator	358	6.2.5(a)	NMRCL shall impose a penalty of Rs. 15000 per case	NMRCL shall impose a penalty of Rs. 10000 per case
20	II	VII, Work Requirement, Particular Specification Part-A Lifts	360	6.2.5	The call out ratio i.e. engineer visits to the site for non-schedule maintenance for the failures as defined above, should not exceed 2 on any one of the Elevators in a year. The average call out ratio should not exceed 1.5 for the Elevators provided by the bidder under this contract on the concerned line. The period one year will commence from date of Revenue Operation / Taking over whichever is later. If the visit of engineer for nonschedule maintenance exceeds 2 per Elevators per year or 1.5 average call out ratio exceed, a penalty of Rs. 15,000/- (Rs Fifteen Thousand Only) shall be imposed for each such visit. The penalty shall applicable during DLP and AMC	The call out ratio i.e. engineer visits to the site for non-schedule maintenance for the failures as defined above, should not exceed 2 on any one of the Elevators in a year. The average call out ratio should not exceed 1.5 for the Elevators provided by the bidder under this contract on the concerned line. The period one year will commence from date of Revenue Operation / Taking over whichever is later. If the visit of engineer for non-scheduled maintenance exceeds 2 per Elevators per year or 1.5 average call out ratio exceed, a penalty of Rs. 10,000/- (Rs Ten Thousand Only) shall be imposed for each such visit. The penalty shall applicable during DLP and AMC

21	II	VII-B, Particular Specification Part-A Elevator	360	6.2.5(2)	If the visit of engineer for non-schedule maintenance exceeds 2 per elevators per year or 1.5 average call out ratio exceed, a penalty of Rs 15000 shall be imposed for each such visit.	If the visit of engineer for non-scheduled maintenance exceeds 2 per Elevators per year or 1.5 average call out ratio exceed, a penalty of Rs. 10,000/- (Rs Ten Thousand Only) shall be imposed for each such visit.
22	II	VII-B, Particular Specification Part-A Elevator	364	6.4.2(a)	a) The type of wire rope b) The Diameter in mm	a) The type of wire rope / Belt b) The Diameter/ Width in mm
23	II	VII, Work Requirement, Particular Specification, Part-A Lifts	372	6.12.1	Big size car position indicator shall not be part of Car operating panel inside car or call buttons.	Big size car position indicator shall be part of Car operating panel inside car or call buttons.
24	II	VII, Work Requirement, Particular Specification Part-A Lifts	374	6.16.3	The response light of the "UP" and "DOWN" indication lanterns shall be green and red respectively when illuminated	The response light of the "UP" and "DOWN" indication lanterns shall be green and Red respectively when illuminated only
25	II	VII, Work Requirement, Particular Specification Part-A Lifts	376	6.18.3	h) There shall be provision of CFL lights inside the shaft & in undercroft of car base which can be controlled from the top landing & from pit it should have an intensity of 200 lux at floor level.	There shall be provision of CFL LED lights inside the shaft & in undercroft of car base which can be controlled from the top landing & from pit it should have an intensity of 200 lux at floor level.
26	II	VII-B, Works Requirements - Particular Specification	382	6.23.1	Spring buffers shall be provided in the lift pit.	Spring buffers/ PU Buffers shall be provided in the lift pit.
27	II	VII, Work Requirement, Particular Specification, Elevators	415	17	Maintenance Requirement In addition to his obligations under the Conditions of Contract, the Contractor shall provide maintenance services during the Defects Liability Period (DLP) and also for the subsequent specified period AMC (in this case 13years) for all the Lifts supplied under the Contract. Maintenance work shall include attending to all service calls regarding unscheduled trouble or breakdown and also all such items of work described in approved Maintenance Schedule of OEM and/or Regulatory Authorities in the state of Maharashtra as per the following:	Maintenance Requirement In addition to his obligations under the Conditions of Contract, the Contractor shall provide maintenance services during the Defects Liability Period (DLP) and also for the subsequent specified period AMC (in this case 13 5 years) for all the Lifts supplied under the Contract. Maintenance work shall include attending to all service calls regarding unscheduled trouble or breakdown and also all such items of work described in approved Maintenance Schedule of OEM and/or Regulatory Authorities in the state of Maharashtra as per the followings:
28	II	VII, Work Requirement, Particular Specification, Elevators	421	17.5 (Add Para)	New Paragraph	Maintenance Requirement during post DLP AMC period for Elevators (Ref. to Item G below)
29	II	VII, Work Requirement, Particular Specification, Elevators	423	19.9	The Contractor shall furnish price for 13 years AMC rates beyond the DLP. The details shall be provided in statement 9A of BOQ (Pricing Document -vol-7)	The Contractor shall furnish price for 13 15 years AMC rates beyond the DLP. The details shall be provided in statement 9A 12A of BOQ (Pricing Document -vol-7 Sec-XII Part-A)
30	II	VII, Work Requirement, Particular Specification Part-A Lifts	424	20.2	The training shall be provided by the Contractor to the Employer's personnel in design, manufacturing, testing, system architecture and installation practices related to Lifts. This will cover training in India and abroad including training at manufacturing facilities	The training shall be provided by the Contractor to the Employer's personnel in design, manufacturing, testing, system architecture and installation practices related to Lifts. This will cover training in India including training at manufacturing facilities
31	II	VII, Work Requirement, Particular Specification Part-A Lifts	424	20.1.2	20.1.2 The training shall be carried out at such locations where the greatest benefit for trainees may be gained. This may be in India, abroad, at place of manufacture, assembly or testing, or at such other locations as may be necessary. All places of training shall be subject to notice of no objection by "Engineer/ Engineer's Representative"	20.1.2 The training shall be carried out at such locations where the greatest benefit for trainees may be gained. This may be in India- abroad in India . All places of training shall be subject to notice of no objection by "Engineer/ Engineer's Representative"
32	II	VII, Work Requirement, Particular Specification Part-A Lifts	426	20.6	The Contractor shall prepare Training Manuals, and submit them to the Employer for the notice of no objection at least 60 days prior to the start of the Training Demonstration.	The Contractor shall prepare Training Manuals, and submit them to the Employer for the notice of no objection at least 30 days prior to the start of the Training Demonstration.
33	II	VII-B, Particular Specification Part-B Escalator	472	4.11.6	If the visit of engineer for non- schedule maintenance exceed 2 per escalator per year or 1.5 average callout ratio exceed, a penalty of Rs.15000/- shall be imposed for each such visit. The Penalty shall applicable during DLP and AMC.	If the visit of engineer for non- schedule maintenance exceed 2 per escalator per year or 1.5 average callout ratio exceed, a penalty of Rs. 10000/- shall be imposed for each such visit. The Penalty shall applicable during DLP and AMC.
34	II	VII, Work Requirement, Part-B, Escalator	476	6.3.2	Escalators shall be heavy duty, reversible type and capable of operating safely, smoothly and continuously in both directions for a period of not less than 20 hours a day, seven (7) days a week with a alternating passenger load reaching 100% of Contract Load (120kg per step) for two hour and 50% of Contract Load for the following hour within the environmental conditions as stated in the General Specification and at the location where the Escalators are to be installed.	Escalators shall be heavy duty, reversible type and capable of operating safely, smoothly and continuously in both directions for a period of not less than 20 hours a day, seven (7) days a week with a alternating passenger load reaching 100% of Contract Load (120kg per step) for two one hour and 50% of Contract Load for the following 2 hours within the environmental conditions as stated in the General Specification and at the location where the Escalators are to be installed.
35	II	VII-B Works Requirement - Particular Specification	478	6.3.17	Controller :Protection Class IP 55	Controller :Protection Class IP 54

36	II	VII, Work Requirement, Particular Specification, Part-B, Escalator	483	6.4.6.5	Step chains shall be of the endless roller type located on both sides of the moving step. The chains shall be provided in matched lengths and be of high quality steel construction incorporating links, pins, bushes, axles and rollers with three pitches between adjacent rollers. The step rollers and Chain rollers shall be located outside the chain links and shall be easily replaceable without dismantling the links. All chain pins shall be circlipped. Each step chain shall be provided with an automatic tension device to ensure proper tension under varying load conditions. A method shall be provided to shorten the chain by one step to compensate for chain elongation.	Step chains shall be of the endless roller type located on both sides of the moving step. The chains shall be provided in matched lengths and be of high quality steel construction incorporating links, pins, bushes, axles and rollers with three pitches between adjacent rollers. The step rollers and Chain rollers shall be located outside inside the chain links and shall be easily replaceable without dismantling the links. All chain pins shall be circlipped. Each step chain shall be provided with an automatic tension device to ensure proper tension under varying load conditions. A method shall be provided to shorten the chain by one step to compensate for chain elongation. The above to conform to EN 115-1.
37	II	VII-B Works Requirement - Particular Specification Part-B Escalator	491	6.6.24	Traffic Bollards	<i>Clause is not applicable/Deleted</i>
38	II	VII, Work Requirement, Particular Specification, Part-B, Escalator	492	6.7.2	Provisions of LED Based Remote Monitoring System Panel (Audio Visual Indication Panel) in Station Control / Customer Care Room for the Remote Monitoring System (RMS) of Escalators	RMS should be implemented by providing connectivity on a Digital LAN/WAN to BMS/SCADA system on TCP IP Protocol (Conventional RMS is not required).
39	II	VII, Work Requirement Particular Specification Part-B Escalator	496	6.10.4	Additional feature for Semi-outdoor Type Escalators	<i>Schedule of semi-outdoor and indoor Escalators is enclosed in Item I below</i>
40	II	VII, Work Requirement, Particular Specification, Elevators	554	17	In addition to his obligations under the Conditions of Contract, the Contractor shall provide maintenance services throughout the Defects Liability Period (DLP) and also for the specified period for all the Escalators supplied under the Contract. Maintenance work shall include attendance to all service calls, work described in approved Maintenance Schedule, and the followings:	In addition to his obligations under the Conditions of Contract, the Contractor shall provide maintenance services throughout the Defects Liability Period (DLP) and also for the subsequent specified period AMC (in this case 5years) also for the specified period for all the Escalators supplied under the Contract. Maintenance work shall include attendance to all service calls, work described in approved Maintenance Schedule of OEM and/or Regulatory Authorities in the state of Maharashtra as per the followings the followings:
41	II	VII, Work Requirement, Particular Specification, Elevators	559	17.5 (Add Para)	New Paragraph	Maintenance Requirement during post DLP AMC of Escalator (Ref. to Item K below)
42	II	VII, Work Requirement, Particular Specification, Elevators	561	18.11	The Contractor shall furnish price for 13 years AMC rates beyond the DLP. The details shall be provided in statement 9A of BOQ (Pricing Document-Vol-7).	The Contractor shall furnish price for 13 5 years AMC rates beyond the DLP. The details shall be provided in statement 9A 12B of BOQ (Pricing Document -vol-7 Sec-XII Part-B)
43	II	VII, Work Requirement, Particular Specification, Part-B, Escalator	562	19.1.2	The training shall be carried out at such locations where the greatest benefit for trainees may be gained. This may be in India, abroad, at place of manufacture, assembly or testing, or at such other locations as may be necessary. All places of training shall be subject to notice of no objection by Engineer.	The training shall be carried out at such locations where the greatest benefit for trainees may be gained. This may be in India, abroad, at place of manufacture, assembly or testing, or at such other locations as may be necessary in India . All places of training shall be subject to notice of no objection by Engineer.
44	II	VII, Work Requirement, Particular Specification, Part-B, Escalator	563	19.3	Contractor shall submit a training programme for imparting training to Employer's staff with batches of approximately 15 persons for Escalator systems in following areas.	Kindly refer Item E below for Training Programme of Escalators
45	II	VII, Work Requirement General Specification Part-A	940	Annexure-IX C	5D BIM system digital project management platform--documents, drawings uploads	Kindly refer Item D below for IT Requirement
46	II	VII, Work Requirement, Particular Specification Part-A Lifts	424 425	20.3	20.3 Training Programme Contractor shall submit a training programme for imparting training to NMRCL employees with batches of approximately 15 trainees for Lift systems in following areas:	Kindly refer Item F below for Training Programme of Elevators
47	II	VII, Work Requirement, Particular Specification, Part-B, Escalator	562 563	19.2	The training shall be provided by the Contractor to the Employer's personnel in design, manufacturing, testing, system architecture and installation practices related to Escalators. This will cover training in India and abroad including training at manufacturing facilities. The overall expenses (including boarding, lodging and Travelling, etc.) of the above will be borne by Contractor.	The training shall be provided by the Contractor to the Employer's personnel in design, manufacturing, testing, system architecture and installation practices related to Escalators. This will cover training in India and abroad including training at manufacturing facilities: at employers premises or at the manufacturing centre of the bidders in India . The overall expenses (including boarding, lodging and Travelling, etc.) of the above will be borne by Contractor.
48	III	IX, Particular Condition of Contract	726	46, 14.15	The Contract Price shall be paid in the currency(ies) named in the Contract i.e., INR (Indian National Rupees)	Contract Price should be paid in currencies as quoted in Statement of Prices 1B & 2B
49	III	IX, Particular Condition of Contract	760	46, 14.1	Custom Duty Benefit under chapter 98.01 of custom tariff act	<i>This Clause is not applicable/ Deleted</i>

50	III	IX, Particular Condition of Contract	932	Annexure-IX A	SITE OFFICE & OFFICE EQUIPMENTS	<i>Kindly refer Item C for Site office requirement</i>
51	IV	XII, BOQ	986	Statement 12A	Statement No. 12A - Prices for Annual Maintenance Charges for 13 years beyond Defect liability Period.	Statement No. 12A - Prices for Annual Maintenance Charges for 13 5 years beyond Defect liability Period.
52	IV	XII, BOQ	1032	Statement 12B	Statement No. 12B - Prices for Annual Maintenance Charges for 13 years beyond Defect liability Period.	Statement No. 12B - Prices for Annual Maintenance Charges for 13 5 years beyond Defect liability Period.
53	IV	XII, BOQ	1032	Statement No. 12B Table-1	Total quantity mentioned is 130 Escalators	Total quantity mentioned is 193 Escalators
54	IV	XII, BOQ	950 997	1.3	Taxes, levies, Duties, Cess, etc. While quoting the rates, the tenderer is advised to take into consideration provision of Clause 24 of PC issued in conjunction with clause 11 of GC. In addition to the PC Clause 24, the tenderer may avail the High Seas sales benefit. To avail the same the contractor may enter in to the two part Contract with NMRCL Contract A: - For CIF supply of all offshore equipment and materials including spares and tools. Contract B: - For Ex-Works supply of all equipment and materials of Indian origin and for Providing all services i.e. port handling and clearance for the	Taxes, levies, Duties, Cess, etc. While quoting the rates, the tenderer is advised to take into consideration provision of Clause 24 of PC issued in conjunction with clause 11 of GC. In addition to the PC Clause 24, the tenderer may avail the High Seas sales benefit. To avail the same the contractor may enter in to the two part Contract with NMRCL Contract A: - For CIF supply of all offshore equipment and materials including spares and tools. Contract B: - For Ex-Works supply of all equipment and materials of Indian origin and for Providing all services i.e. port handling and clearance for the imported
55	IV	XII, BOQ	970 972 1016 1018	Statement 1A, 1B, 2A, 2B, 3A, 3B, 4A, 4B	Statement No. 1A, 1B Design of Plant, Equipment Statement No. 2A, 2B Manufacture and Supply of Plant, Equipment from Abroad. Statement No. 3A, 3B Design of Plant, Equipment from within the Employer's Country Statement No.4A, 4B Manufacture and Supply of Plant, Equipment from within the Employer's Country. 3) Specify currency (ies) (Yen/ US Dollar / Euro or any combination of these currencies)	Statement No. 1A, 1B Design of Plant, Equipment Statement No. 2A, 2B Manufacture and Supply of Plant, Equipment from Abroad. Statement No. 3A, 3B Design of Plant, Equipment from within the Employer's Country Statement No.4A, 4B Manufacture and Supply of Plant, Equipment from within the Employer's Country. 3) Specify currency (is) (INR /Yen/ US Dollar / Euro or any combination of these currencies)