Chennai Metro Rail Limited

TENDER NO.CMRL-L&E-01-2017

Design, Manufacture, Supply, Installation, Testing & Commissioning, Training of Personnel and Comprehensive Maintenance Services for Lifts and Escalators for Subways at Chennai Central (SCC) and Kilpauk (SKM) Metro Stations.

Pre-Bid queries and Response by CMRL

S.No	Reference	Description	Tender stipulation	Bidders Queries / Clarification	CMRL reply
1	ITT 11.2	Insurance	In case of imported equipment, the successful bidder needs to get the required waiver certificates/documents if any from the CMRL well in advance. All such benefits arising on ground of waiver of various tax components must be passed to the CMRL.	Form to be given from CMRL	Project Authority Certificate (PAC) will be provided by CMRL
2	GCC 9.2	Performance Bank Guarantee (PBG)	Failure to submit PBG within 10days from the LOA will attract LD of 0.5% per week of the total LOA subject to maximum of 10% of the LOA value after which the contract will be deemed to cancel.	Failure to submit PBG within 28days from the LOA will attract LD of 0.5% per week of the total LOA subject to maximum of 10% of the LOA value after which the contract will be deemed to cancel.	Same as tender conditions
3	GCC 10.2	Taxes & duties	In the event of exemption on reduction of Custom duties, Excise Duties, Sales Tax or any other Cess/Levy being granted by the Government in respect of the works, the benefit of the same shall be passed on the purchaser.	How will GST implementation affect this set up as the price to be quoted has to be inclusive of taxes?	On the event of exemption on reduction of duties, benefits shall be passed to CMRL

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4	GCC 14	Payment terms	14.1 The standard payment terms subject to recoveries, if any, by way of Liquidated Damages will be as under. 14.2 The payments to Contractor are subject to recoveries, which are due from the contractor as indicated in the relevant clause of this section. 14.3. Payment shall be processed using the cost centre split-up as mentioned in Annexure 4 subject to the Employer or his representative being satisfied that the works for each item are 100% complete and issues the Notice of No Objection for the work. 14.4 The payment schedule is as follows (i) The Contractor shall submit an invoice /Bill in Duplicate (2 copies) to the CMRL in prescribed form approved by the CMRL field representative not below the rank of Assistant Manager or Assistant Engineer. (ii). A payment of 95% of payment for each cost centre shall be paid on achieving KDs as in annexure 4, remaining 5% (retention) shall be paid after completion of Defects Liability Period. 14.5 Payment shall be affected within 21 days of receipt of claim after due deductions of all statutory payments, taxes, penalty and other deductions applicable.	Please provide suitable payment terms.	Same as tender conditions

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5	GCC 24.2	Labour laws	CVs of the personnel to be deployed should be submitted to CMRL. Each CV shall have the current photographs of the person and shall be signed by the person. Each CV shall be submitted duly verified by the contractor which shall contain the following information but not limited.	Please clarify the Manpower Requirement.	Key persons CV's like Project Manager, Quality expert & Safety Expert to be provided for CMRL approval prior to deployment
6	SCC 41.2(iv)	Scope of work	All necessary works for providing remote control and monitoring of Lifts and Escalators in Remote Monitoring Systems (RMS) and integration with M&E SCADA at SCR	Only interfacing shall be provided by Bidder. Connection to customer out will be in customer's scope	Connection from Lift and Escalator to the existing RMS at SCR is scope of the bidder
7	SCC 41.2(vi)	Scope of work	All necessary MEP works required for Fire alarm integration with existing Station Fire alarm system	Only Interface will be provided	Same as tender conditions
8	SCC 41.2(xxv)	Scope of work	Interfacing with civil, MEP, S&T or any other interfacing contractor to complete the L&E works in above scope.	Only Interface will be provided	Same as tender conditions

S.No	Reference	Description	Tender stipulation	Bidders Queries / Clarification	CMRL reply
9	Schedule of requirements 70.2(iv)	Scope of work	All necessary works for providing remote control and monitoring of Lifts and escalators in Remote Monitoring Systems (RMS) and integration with M&E SCADA at SCR.	Only Interface will be provided	Connection from Lift and Escalator to the existing RMS at SCR is scope of the bidder
10	Schedule of requirements 71	Technical specification for lift	No. of elevators	Please clarify the no of elevators	Refer table in clause 71
11	Schedule of requirements 71	Technical specification for lift	The passenger lift shall be suitable for operation in outdoor environment and shall be of outdoor/ heavy type duty as these are to be installed in the subway. Lifts shall be of Machine room less type.	Please define the Outdoor Elevators	Same as tender conditions
12	Schedule of requirements 71.5	Technical specification for lift	The side, rear and front panels shall be scratch proof of laminated safety glass for lift in SCC & scratch proof stainless steel in SKM - panel finish shall be as per approval of Employer.	Please clarify SKM panel finish.	Same as tender conditions
13	Schedule of requirements 71.18	Technical specification for lift	All cable/wires used be FRLS type if installed in elevated / at grade level and FRLSOH in case if the equipment is installed in underground level.	What is FRLSOH?	Fire Retardant Low Smoke Zero Halogen Cables

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14	Schedule of requirements 81.1(b)	Maintenance requirements	The Reliability requirements of this PS shall subsidiary to the Availability and Maintainability requirements of this PS. The reliability of equipment should be of level that it does not result in harming to passengers in Escalator due to equipment failure. Any claim/ Damage/ Compensation claimed by the affected passenger /user on account of equipment failure shall be recovered from the firm. In addition, CMRL shall impose a penalty @ Rs.20,000/(Rs Twenty Thousand Only) per case, The penalty shall applicable during DLP and CMS.	Please reduce the penalty by Rs. 5,000 per case.	Same as tender conditions
15	Schedule of requirements 81.1 (c).iii	Maintenance requirements	If Escalator remains out of service for more than 6hrs, CMRL shall impose a penalty of Rs. 50,000/(Rs Fifty Thousand Only) for each such case. The penalty shall applicable during DLP and CMS.	Please reduce the penalty by Rs. 5,000 per case.	Same as tender conditions
16	ITT 4.1 (5)	Additional mandatory requirements	Undertaking by the Bidder to conduct third party audit by an independent agency authorized / prescribed by CMRL every six months along with regular in-house audit. Annexure 14a.	On what purpose CMRL has the right to conduct the third party audit?	Third party audit shall be conducted for monitoring the safety and quality
17	Annexure 3a	Technical Bid	Our attached technical proposal duly meeting the schedule of requirement and annexure 8 is enclosed with this letter.	Annexure 8 is blank as marked with "deleted" page (see page 95 of 105). What is the requirement of annexure 8?	Annexure 8 is not required to be attached

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18	Schedule of requirements 71.17	Remote Monitoring System	Please refer to tender documentation for detail.	Remote Monitoring System is not mentioned "78 technical specification for Escalators", Does escalators also need to be connected to the RMS System?	Escalators need to be connected to the RMS System. Refer Addendum-1 in page 6
19	NIT 3 & ITT 5	EMD	EMD of Rs INR 9,22,000/-	Bidder request you to reduce EMD to Rs 5 Lakhs in the form of BG with clauses for limit of amount and time period as generally included in standard BG formats.	Same as tender conditions
20	ITT 10.3, ITT 13.3	Price Basis, Evaluation of tenders	The prices quoted shall be final and not subject to any variation	Prices to be valid till price validity date mentioned in the bid any variation in taxes or introduction of additional taxes not limited to GST will be to customer account	Same as tender conditions
21	NIT 11	Insurance	11.1 All-risk cover like transit, storage, erection insurance including labour insurance for the erection team shall be arranged by the successful bidder. 11.2 In case of imported equipment the successful bidder needs to get the required waiver certificates/documents if any form the CMRL well in advance. All such benefits arising on ground of waiver of various tax components must be passed to the CMRL.	Contractor will take EAR policy for the contract value till completion of handing over of unit.	Insurance policies shall be valid up to take over by CMRL

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22	GCC 1.17	General Contract conditions	"Similar works" shall mean satisfactory commissioning of Lifts & Escalators for mass rapid transit system (Metro Rail/ Suburban Rail/ Main Railway/ LRT/ Monorail/High-speed rail Airport or other large infrastructure projects).	Bidder request to amend the definition of Similar works to include Non metro or Non Railway Projects.	Same as tender conditions
23	GCC 5	Time for commencement and completion	The time of commencement shall be immediately on the date of signing the LOA.	Time of Commencement to be commenced on handing over of site with all preparatory works or condition precedent in the scope of owner.	Same as tender conditions
24	GCC 6.1, 8	Contract responsibilities	The Contractor /Bidder shall be Design, Manufacture, Supply, install Commission, train the personnel and carry out defect liability period (DLP) for Lifts and Escalators. This contract is for the design, manufacture, supply, Erection, testing, training and commissioning of the entire system of the description, specifications and drawings and in the quantities set forth in the contract on the date or dates specified all equipment must be brand new and unused.	Bidder request clarification as to whether Bidder can bid as sole bidder with its overseas sister concern as nominated subcontractor.	If a single bidder does not have the credentials, JV/consortium needs to meet the Eligibility criteria jointly.
25	GCC 9.1	Performance Bank Guarantee (PBG)	The successful bidder shall furnish a performance Bank guarantee (PBG) valid for 2 years 6 months in the proforma attached (annexure 5) form a nationalized Indian bank within 10days from the receipt of letter of award (LOA) of the tender for an amount equivalent to 5% of the value of the LOA. The expenses to be incurred for making Performance bank guarantee (PBG) shall be borne by the Contractor.	Bidder request to consider submission of 5% PBG valid for agreed completion period.	Same as tender conditions

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26	GCC 9.2	Performance Bank Guarantee (PBG)	Failure to submit PBG within 10 days from the LOA will attract LD of 0.5% per week of the total LOA subject to maximum of 10% of the LOA value after which the contract will be deemed to cancel.	Bidder request to waive off this penalty as there are already penalty mentioned in the contract.	Same as tender conditions
27	GCC 10.2	Taxes & duties	The contractor shall bear and pay all taxes, duties, levies and charges assessed on the Contractor its subcontractors or their employees by all municipal, state or national government authorities in connection with the facilities in and outside India.	Bidder submits any variation in taxes or introduction of additional taxes including GST shall be to customer/ owner account.	Same as tender conditions
28	GCC 13.3	Time for and date of delivery	If the contractor fails to commission the system or any quality defect or performance defect thereof within the period fixed for completion of work in the contract or as extended or at any time repudiates the contract before the expiry of such period, the purchaser may without prejudice to his other right: i) Recover from the Contractor as a penalty a sum equivalent to 1% value of total the per week subject to maximum of 10% after which contract will be deemed as cancelled & PBG will encashed by the purchaser.	Bidder Request that this rectification period to be mutually agreed between the parties. Please reduce this penalty to 5% which is to be levied on delayed units only.	Same as tender conditions
29	GCC 14.4(ii)	Payment terms	A payment of 95% of payment for each cost centre shall be paid on achieving KDs as in annexure 4, remaining 5% (retention) shall be paid after completion of Defects Liability Period.	Bidder request to replace cash retention requirement with 5% BG to be given on completion valid for DLP period.	Same as tender conditions

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30	GCC 18.4	Insolvency and breach of contract	If the contractor commits any breach of the contract not herein specifically provided for	Bidder request for rectification time of 15 days before invocation of termination and such act to be material breach. Payment for work done to be done post invocation of this clause.	Same as tender conditions
31	GCC 20.9	Arbitration	There should be no impact on the on-going supply, Erection, Testing, commissioning of system in case the matter is referred to Arbitration.	Bidder submits only those works for which payment is made shall be continued Likewise CI 20.9 it should be applicable for release of payments.	Same as tender conditions
32	GCC 23	Quantity variation	The employer reserves the right to add or delete the quantity of Lifts & Escalators by 50% based on requirement without change in price per unit.	Bidder submits that prices and delivery dates for any variation to be mutually agreed prior to ordering	Same as tender conditions
33	GCC 25	Injury to persons	The Contractor shall be solely liable for and shall indemnify CMRL in respect of any liability, loss, claim or proceeding whatsoever, arising under any legislation in respect of personal injury to or the death of any person whomsoever in the course of effect adequate insurance cover in respect of such risks and shall furnish CMRL with a copy of the insurance policy.	All liabilities of bidder regardless whether the contract tort, strict, liability or any other theory, shall case at the end warranty period. Notwithstanding anything contained herein or elsewhere, bidder shall under no circumstances be liable for any indirect or consequential damages or losses. The maximum liability of bidder to the customer under in connection with the contract shall in no event be higher than the contract price actually received by bidder.	Same as tender conditions

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34	GCC, TS 41.2 xvi 70.2 xvi	Scope of work	"Scope of work… All software and hardware required for Lifts & Escalators including development system, license of all applications and Operating System software, etc.	All intellectual property right in the equipment's including the control software which enables routine operation, maintenance and repair the is entitled to an non- exclusive right to use the control software and to operate the equipment for its own purposes, but the customer shall have no rights or interest in the control Software especially as regards to the right to reproduce, reverse engineer or deal in the control Software.	Same as tender conditions
35	GCC 48.1	GCC	The Tender shall maintain required spares either in service office/ factory at Chennai or located in vicinity such that the spare can be transported to site within 2 hrs from log of complaint.	Bidder has branch office in Chennai and accordingly this requisition can be satisfied. Request you to increase the timeline of 2 hrs to 24 hrs and DLP to start on prorata basis.	Same as tender conditions
36	Annexure 4	Key Dates and cost centre	On overshoot of each KD a liquidated damage of 1% per week delay shall be applicable on the respective cost center with a maximum of 10% of the contract value.	Bidder request that no LD to be levied in case delay is attributable to owner and we request to reduce the LD to 0.5% per week delay shall be applicable on the respective Cost center for delayed units only with a maximum of 5% of the contract value for delayed units. Final milestone is achieved then the LD levied shall be paid back to the bidder.	Same as tender conditions

S.No	Reference	Description	Tender stipulation	Bidders Queries / Clarification	CMRL reply
37	Annexure 4	Key Dates and cost centre	Activity wise Apportionment	Please propose suitable terms of payment and all payments to be on prorata basis.	Prorata basis payment to be mutually agreed after the commencement of Contract as per activity wise Apportionment
38	Schedule of requirements 71	Technical specification for Lifts	Lift type – Doors & Panels - Full glass lift in table for lift quantity	Please clarify whether Full glass Lift means glass panels without steel frames	Full glass lift means lift with glass doors and glass panels with Stainless steel frames
39	Schedule of requirements 70.2	Scope of works	To design, supply, install, test and commission approximately 6 No's Lifts and 10 No's Escalators in stations for the movement of passengers as specified in schedule of requirements	The lift quantity in scope of works is 6 nos and in technical specifications, it is 5 nos. Please clarify the quantity of lifts	Please refer Addendum-1 in Page 2
40	Annexure 4	Cost center split up	Detailed design - 5% apportionment in cost centre 1, 2 & 3	Please clarify the documents to be submitted in detailed design	Please refer Addendum-1 in Page 7
41	Schedule of requirements 94	Vendor approval	List of vendors proposed for all the components of Lifts & Escalators shall be provided by in the bid and shall be approved by the Employer after reviewing the vendor's capabilities and credentials. Reputed & OEM vendor approved & Govt. registered only will be accepted by Employer.	Please clarify whether vendor approvals will be done for all components	Same as tender conditions

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42	Schedule of requirements 78.1	Technical specification for Escalators	The design of the Escalators exposed to outdoor conditions shall take into account the adverse effects due to the inclement weather conditions of Chennai.	Please clarify whether the working condition for Escalator is outdoor or indoor	Same as tender conditions
43	Schedule of requirements 71.17	Remote monitoring system	The controller shall be compatible with PC based Remote Monitoring system (RMS) existing at Chennai Central & Kilpauk Metro stations control room	Please clarify the protocol for RMS	RMS protocol shall be as per existing RMS in SCR of SCC & SKM. The successful bidder shall interface with existing RMS vendor
44	Schedule of requirements 71.6 (i)	Type of signal system - Intercom	An Intercom button when pressed, shall allow direct communication with the personnel in the SCR and main control cubicle. The Contractor shall submit their features and proven Vendor of intercom to Employer for approval	Please provide the approximate distance between SCR and Lifts	The contractor shall interface with existing civil contractor to get the required details
45	Schedule of requirements 71.3 & 71.4	Car door & landing door	Type of doors: Power operated, horizontal sliding center opening glass door scratch proof. Size of car door shall be approved by Employer in detailed design	Kindly clarify the door size requirement	Door shall be 2.1 m height and 1 m width

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46	Schedule of requirements 71.5 (iii)	Ceiling	Stainless Steel False ceiling shall be approved by the Employer	Please provide clear car height	Clear car height is 2.3 m
47	GCC 15.3	Responsibility for completeness	All the charges incurred towards man-powers, materials, laying of cables, transportation, temporary electric supply, making the equipment operational etc. at the place of delivery shall be borne by the successful bidder.	Please clarify the scope of construction power and testing power	Construction power shall be arranged by the successful bidder and testing power shall be provided by CMRL. But interface with concerned interfacing contractor shall be done by the successful bidder for testing power
48	Schedule of requirements 71.15	Firemen lift	Firemen switch for all the fire lift shall be provided at Evacuation floor to enable the fire service personnel to move the lift to evacuation floor in case of emergency.	Please clarify whether fire rating for landing door is required	Please comply with latest IS 14665
49	Schedule of requirements 78.3.21	Controller	METAL CABINET - The controller shall be fitted inside a dust proof 1.2 mm thick stainless steel cabinet	Please clarify whether the controller cabinet shall be of Stainless steel	Same as tender conditions

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50	Schedule of requirements 71.17	Remote monitoring system	The controller shall be compatible with PC based Remote Monitoring system (RMS) existing at Chennai Central & Kilpauk Metro stations control room.	Please clarify whether provision for downloading data is required from Lift & Escalator	Provision for downloading data is required from Lift & Escalator. Downloading of data from lift & escalator shall be done directly to Memory/USB devices without use of external PC/laptop
51	GCC 51.2	Inspection of equipments	Travel expense and daily allowance of purchasers representative involved in case of any inspection shall be borne by purchaser. However in case of re-inspection due to failure in earlier inspection the travel expense and Daily allowance of purchaser shall be borne by tenderer.	Please clarify who will bear the cost of factory inspection	Same as tender conditions
52	Schedule of requirements 70	Scope of works	LED Shaft lighting (Bulkhead + Switch and socket + complete wiring) for Lifts	Please clarify the requirements of shaft lighting	Please refer clause 70.2 (viii) and shaft wiring shall be in conduits/concealed trunking

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53	ITT 4	Eligibility Criteria	Tenderer with Experience of having successfully completed similar works during last 7 years ending last day of month pervious to the one in which application are invited should be one of the following.	In page 18 of 105 “similar works" shall means satisfactory commissioning of lift & Escalator for mass rapid transit system means not required the experience of design manufacturing and installation kindly clarify . If required the experience of Design Manufacturing, Installation and Commissioning then we have to go for Consortium then we are not in position of making consortium for this project due to size of project. Kindly allow to bid as a single Bidder.	If a single bidder does not have the credentials, JV/consortium needs to meet the Eligibility criteria jointly.

S.No	Reference	Description	Tender stipulation	Bidders Queries / Clarification	CMRL reply
54	ITT 4.1 (7)	Additional mandatory requirements	Bidder shall have the experience in Design, Manufacture, Supply, Installation, Testing and Commissioning of Lifts & Escalators in Metro Rail/ Suburban Rail/ Main Railway/ LRT/ Monorail/ High speed Rail/ Airport that have been satisfactorily and substantially completed as a prime contractor (single entity or JV member) in India.	Please elaborate & clarify the meaning of "satisfactory and Substantially completed".	Satisfactory and substantial completion means the Bidder shall produce the completion certificate from the Owner of Lifts & Escalators in Metro Rail/ Suburban Rail/ Main Railway/ LRT/ Monorail/ High speed Rail/ Airport for successful installation, testing & commissioning

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55	ITT 5	Earnest Money Deposit (EMD)	The bidder shall furnish, as EMD, an amount of INR 9,22,000/(Rupees Nine lakhs twenty two thousand only) in the form of Bank Draft from a scheduled PSU bank approved by Reserve Bank of India in favour of "Chennai Metro Rail Limited".....	Can EMD be deposited in the form of Demand Draft in the name of "Chennai Metro Rail Limited"? Please clarify. In case of consortium, is Bank Guarantee acceptable from lead partner alone or BG has to be from Consortium only?	Bank Draft from a scheduled PSU bank approved by Reserve Bank of India in favour of "Chennai Metro Rail Limited" will be accepted. Bank Guarantee from lead partner is acceptable
56	ITT 9.3	Submission of offers	The Original power of attorney or other document empowering the individual of individuals to sign should be furnished to the purchaser for verification	Company has issue the General Power of Attorney to sign any contract, so can we submit the Photo copy of Power of Attorney with notarization kindly confirm.	Same as tender conditions
57	GCC 9	PERFORMANCE BANK GUARANTEE (PBG)	The successful bidder shall furnish a Performance Bank Guarantee (PBG) valid for 2 years 6 months in the proforma attached (Annexure 5) from a **Nationalized Indian Bank** within 10 days from the receipt of Letter of Award (LOA) of the tender for an amount equivalent to 5% of the value of the LOA.	If Performance Bank Guarantee from Schedule Bank (e.g. Citi bank or Detusche Bank) acceptable. Please clarify.	Same as tender conditions

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58	GCC 41.3	-	The Principal Manufacturer of Lift and Escalator or its authorized representatives in India is only eligible to quote for the tender. The manufacturer of the Lift and Escalator should also have their own office in India. The principal manufacturer or its authorized representative in India should have their own service centre. The relevant supportive documents shall be submitted along with the tender offer.	Please clarify meaning of authorized representative in India, like Otis India is taking material from Otis China but both company business are independent as per this clause Otis china representative should be in India kindly clarify .	Same as tender conditions
59	GCC 41.4	-	A letter from the manufacturers (Memorandum of Understanding MOU) shall be required and to be submitted along with tender document where in manufacturer has authorized the bidder to participate in this tender on their behalf. A letter from manufacturer that the facilities required for takeup manufacturing and testing is available in their facility.	If Consortium agreement MOU is permitted, what would be the Participation percentage of each partner and kindly share the format.	A letter from manufacturer that the facilities required for takeup manufacturing and testing is available in their facility. Participation percentages is internal between the parties
60	GCC 51.2	Inspection of Equipments	51.2 INSPECTION OF EQUIPMENTS	Inspection at factory - can you specify the number of persons travelling to factory for inspection	Minimum of 2 persons

S.No	Reference	Description	Tender stipulation	Bidders Queries / Clarification	CMRL reply
61	GCC 51.2	Inspection of equipments	51.2 INSPECTION OF EQUIPMENTS factory Inspection	Only Type test report required or new test to be performed and in factory inspection only Shop floor inspection required or to do the Type test kindly clarify	Type test report shall be submitted. If needed, Employer shall specify any new test required during approval of designs
62	Schedule of Requirement 71	Technical Specification	Technical Specification for lifts	In table kindly mention the Kg along with passenger number	Loading shall comply with latest IS 14665. For Stretcher lift, please consider 1500 kg
63	Schedule of Requirement 71.2 (a)	Type of control	AC variable voltage variable frequency drive. (Lift drive motor and controller shall be suitable for operation with supply voltage variation between +10% to -15%)	Motor is available with ±10% only so please change	Same as tender conditions
64	Schedule of Requirement 71.17	Remote Monitoring System	The controller shall be compatible with PC based Remote Monitoring system (RMS) existing at Chennai Central & Kilpauk Metro stations control room.	It is not possible to provide the PC based remote monitoring system. Can Synchronize with Existing BMS system, Please consider to ask open protocol with RS485 by this your Existing vendor can take signal and use existing system.	The contractor shall interface with existing RMS vendor and provide the protocols as per existing RMS and provide the Connection from Lift and Escalator to the existing RMS at SCR

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65	Schedule of Requirement 78.1	General Requirement	General Requirement	Kindly clarify all Escalator are with Intermediate Support or without Intermediate support and Glass type or opaque type.	Same as tender conditions
66	Schedule of Requirement 78.1	General Requirement	Commercial and Out door	Kindly clarify about commercial and Outdoor type.	Escalator shall be suitable for outdoor conditions
67	Schedule of Requirement	Other Statutory Requirements	The Contractor shall be fully responsible for obtaining relevant safety certificate or license or any other documents required from statutory authorities for commissioning the regular operation of Machine room less & Gearless Lifts. The renewal of the license/safety certificate during DLP will also be the responsibility of the contractor. Fee, if any for obtaining such license/ certificate shall be borne by the contractor. The Renewal of the license/Safety Certificate after DLP is Employer's responsibility.	Please accept below: Otis will be responsible for procuring lift license permits/licenses from Lift Inspectorate/ PWD Office, including payment of all necessary official fees for such licenses/ permits. You will provide all requisite assistance to enable Otis to obtain the permit / licenses and shall execute / provide such documents as may be reasonable requested by Otis in this regard. However, Otis will not be liable for any delays in the administrative process of procuring such licenses/ permits	Refer Addendum-1 in page 6
68	Annexure 1	BID PRICE TOTAL SUMMARY	BID PRICE TOTAL SUMMARY Apportionment of Lump Sum Price among Cost Centers	In table kindly identify the quantity Rise wise to clarify the cost per unit	Refer Addendum-1 in page 4

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69	Annexure 1	BID PRICE TOTAL SUMMARY	Table for CMS rate per annum for Lifts & Escalators	Kindly divide the table year wise and unit wise to give the unit price per year	Refer Addendum-1 in page 5
70	Annexure 1	BID PRICE TOTAL SUMMARY	Rates for Lifts	In table kindly identify the quantity Rise wise with KG and Number of Passenger and also lift required CWT safety or Not.	Loading shall be considered as per latest IS 14665. Counterweight safety shall be provided
71	Annexure 1	BID PRICE TOTAL SUMMARY	Rate for Escalators	In table kindly identify the quantity Rise wise with Intermediate support and Type (Glass or Opaque)	Same as tender conditions
72	Annexure 4	Key dates & Cost center	On overshoot of each KD a liquidated damage of 1% per week delay shall be applicable on the respective Cost Center with a maximum of 10% of the contract value.	Liquidated damages of 1% per week & 10% of the contract value is too high. Requested to reduce it to 0.5% per week & 5% maximum	Same as tender conditions
73	Annexure 5	PERFORMANCE GUARANTEE BOND	PROFORMA OF BANK GUARANTEE FOR CONTRACT PERFORMANCE GUARANTEE BOND	Bank has certain reservation in issuing the performance Bank Guarantee as per Annexure 5, is the format allowed to be modified as per Bank suggestion keeping the content of this PBG same. Please clarify.	To be mutually agreed after signing LOA
74	Annexure 4	Key dates & Cost center	Cost Centre Split up	Cost center 6 - Defect Liability period of 2 Yrs is not specified in cost centre split up. Please clarify the payment term of this cost centre?	Revised accordingly. Please refer Addendum-1 in page 3

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75	Annexure 2	Letter comprising the Eligibility of the Bidder	2. Net Cash Accruals shall mean Profit after Tax + Depreciation. 4. The Bidder **shall provide an Auditor's Certificate specifying the net worth of the Applicant / Bidder** and also specifying the methodology adopted for calculating such net worth in accordance with the Bid Document. 5.The bidder shall provide turnover details as required under Clause 4 of ITT on his letterhead as per the format below:	To be noted- Special Financial Eligibility requirement.	Same as tender conditions
76	GCC 16.2	INDEMNITY	The bidder shall return all such property and shall be responsible for the full value thereof to be accessed by the Purchaser whose decision shall be final and binding on the bidder. **The bidder shall be liable for loss or damage to such property from whatever cause** happening while such property is in the possession of or under the control of the bidder, his servants, workmen or agents.	It is an open clause where Bidder is liable for loss or damage to properly from whatever cause. It should be limited to the scope of Bidders work only.	Same as tender conditions

S.No	Reference	Description	Tender stipulation	Bidders Queries / Clarification	CMRL reply
77	Schedule of requirements	Maintenance requirements	**(d) Call out ratio** (2) "Mantrap" resulted because of any of the above defect. The call out ratio i.e. engineer visits to the site for non-scheduled maintenance for the failures as defined above, should not exceed 2 on any one of the Lift in a year. The average call out ratio should not exceed 1.5 for No. of Lifts/Escalators provided by the bidder under this contract. The period of one year will commence from date of commencement of Revenue Operation / Taking over, whichever is later. If the visit of engineer for non-scheduled maintenance exceeds 2 per lift per year or average call out ratio exceeds 1.5, **a penalty of Rs. 20,000/(Rs Twenty Thousand Only) shall be imposed for each such visit**. The penalty shall be applicable during DLP and CMS period also.	Penalty of Rs. 20000 per visit is too high. Requested to reduce it to Rs. 5000 per visit.	Same as tender conditions
78	Schedule of requirements 81.1	Defects Liability period for Two years & CMS for 8 years	(c) Availability (iii) If Escalator remains out of service for more than 6 hrs, CMRL shall impose a penalty of Rs. 50,000/(Rs Fifty Thousand Only) for each such case. The penalty shall applicable during DLP and CMS.	Penalty of Rs. 50000 per case is too high. Requested to reduce it to Rs. 5000 per case.	Same as tender conditions

S.No	Reference	Description	Tender stipulation	Bidders Queries / Clarification	CMRL reply
79	General	-	-	Design Document -Kindly give the list of component for which design calculation required.	Revised accordingly. Please refer Addendum-1 in page 7
80	General			Project size is too small for which we are not in position to make consortium with our overseas partner so kindly allow to bid as sole bidder otherwise it's a very difficult to participate	If a single bidder does not have the credentials, JV/consortium needs to meet the Eligibility criteria jointly.
81	General			If there is Requirement of, document Notarization, it takes more than month kindly note	Same as tender conditions
82	General			Please clarify whether the Lift pits are floating pit	Please consider all Lift pit as floating pit and counterweight safety shall be provided
83	General			Please provide plans & section drawings for subways	The contractor shall interface with existing civil contractor to get the required details

Chennai Metro Rail Limited

TENDER NO.CMRL-L&E-01-2017

Design, Manufacture, Supply, Installation, Testing & Commissioning, Training of Personnel and Comprehensive Maintenance Services for Lifts and Escalators for Subways at Chennai Central (SCC) and Kilpauk (SKM) Metro Stations.

Addendum-1

S.No	Clause of Bid document	Original Clause	Revised Clause
1	ITT Clause 9.1 – Submission of offers	This is a single stage two packets open tender with initial filter. Tenderer has to submit their offer in single packet. Both technical and commercial bid shall be submitted in the separate packet put into single packet Bid shall contain the following a) Earnest Money Deposit (EMD) b) Technical bid as in Annexure 3a & 3b c) Documents related to qualifying requirement and undertaking by Bidder as Annexure-2, Annexure-9 d) Cost of tender document in form of DD as indicated in NIT and undertaking for downloading declaration (Annexure- 7) if the tender document is downloaded from CMRL's website e) Checklist as per Annexure-6 to be filled. f) Other annexure filled properly as in prescribed format g) Initial Filter filled with declaration as per annexure 13 h) Price bid as per format given in tender document as Annexure-1 Only item no (g) shall be put in financial bid.	This is a single stage two packets open tender with initial filter. Tenderer has to submit their offer in single envelope. Both technical and financial bid shall be submitted in the separate sealed envelope put into single sealed packet. Bid shall contain the following a) Earnest Money Deposit (EMD) b) Technical bid as in Annexure 3a & 3b c) Documents related to qualifying requirement and undertaking by Bidder as Annexure-2, Annexure-9 d) Cost of tender document in form of DD as indicated in NIT and undertaking for downloading declaration (Annexure- 7) if the tender document is downloaded from CMRL's website e) Checklist as per Annexure-6 to be filled. f) Other annexure filled properly as in prescribed format g) Initial Filter filled with declaration as per annexure 13 h) Price bid as per format given in tender document as Annexure- 1. Only Item no (h) shall be put in financial bid.

S.No	Clause of Bid document	Original Clause	Revised Clause
2	GCC Clause 10.1 – Taxes & duties	The Contractor shall bear and pay all taxes, duties, levies and charges assessed on the Contractor, its Subcontractors or their employees by all municipal, state or national government authorities in connection with the Facilities in and outside India. Note:- No concessional form if any will be issued by CMRL for any item	The Contractor shall bear and pay all taxes, duties, levies and charges assessed on the Contractor, its Subcontractors or their employees by all municipal, state or national government authorities in connection with the Facilities in and outside India. Note:- Project Authority Certificate (PAC) shall be issued by CMRL
3	Special contract conditions Clause 41.2 (i) – Scope of works	To design, supply, install, test and commission approximately 6 No's Lifts and 10 No's Escalators in stations for the movement of passengers as specified in schedule of requirements	To design, supply, install, test and commission approximately 5 No's Lifts and 10 No's Escalators in stations for the movement of passengers as specified in schedule of requirements
4	Schedule of requirements Clause 70.2 (i) – Scope	To design, supply, install, test and commission approximately 6 No's Lifts and 10 No's Escalators in stations for the movement of passengers as specified in schedule of requirements	To design, supply, install, test and commission approximately 5 No's Lifts and 10 No's Escalators in stations for the movement of passengers as specified in schedule of requirements

S.No	Clause of Bid document	Original Clause	Revised Clause
5	Annexure 4 – Key dates	Refer page 88 of 105 of tender document	**Refer the following table**

Key dates:

Key dates are the targets to achieve the various milestones of the scope of work.

KD no	Description	Time (days)	Linked Cost Center
1	Commencement of work	Date of LOA	Nil
2	Detailed design approval	LOA+20 days	1.1, 2.1, 3.1
3.1	Supply, Installation, Testing & Commissioning and training of personnel for **Kilpauk Subway Lifts**	AD+100 days	1.2, 1.3, 1.4
3.2	Achieve acceptance of Integrated testing and commissioning of **Kilpauk Subway Lifts**	AD+110 days	1.5
4.1	Supply, Installation, Testing & Commissioning and training of personnel for **Chennai Central Subway Lifts & Escalators**	AD+150 days	2.2, 2.3, 2.4, 3.2, 3.3, 3.4
4.2	Achieve acceptance of Integrated testing and commissioning of **Chennai Central Subway Lifts & Escalators**	AD+170 days	2.5, 3.5

Note:

1. For Access dates (AD), the successful bidder shall interface with the concerned civil contractor.
2. On overshoot of each KD a liquidated damage of 1% per week delay shall be applicable on the respective Cost Center with a maximum of 10% of the contract value.

S.No	Clause of Bid document	Original Clause	Revised Clause
6	Annexure 4 – Note under Cost Center 5 in Page 90	Note: Cost Center 6 – Payment for CMS of each Lift & Escalator shall be claimed for each quarter. Cost of each quarter shall be arrived from the rates of CMS for Lift & Escalator per annum as specified by the bidder in Annexure-1.	Note: Cost Center 6 & 7 – Payment for DLP & CMS of each Lift & Escalator shall be claimed for each quarter. Cost of each quarter shall be arrived from the rates of DLP & CMS for Lift & Escalator per annum as specified by the bidder in Annexure-1.

S.No	Clause of Bid document	Original Clause	Revised Clause
7	Annexure 1 – Bid price total summary	Refer page 79 of 105 of tender document	**Refer the following table**

BID PRICE TOTAL SUMMARY
Apportionment of Lump Sum Price among Cost Centers

Cost Center	Cost center Description	Unit price (INR)	Quantity (Nos)	Total Apportioned Amounts of Cost Center Items (INR)	Apportionment of the Bid Total %
1	**Lifts for SKM Subway** Detailed Design, Manufacture , Factory Testing and Supply, Installation and Installation Testing, System Acceptance Testing and Integrated Testing & Commissioning				
2	**Lifts for SCC Subway** Detailed Design, Manufacture , Factory Testing and Supply, Installation and Installation Testing, System Acceptance Testing and Integrated Testing & Commissioning for: **a) 13 Passenger Lift**				
	a) 26 Passenger Lift				
3	**Escalators for SCC Subway** Detailed Design, Manufacture, Factory Testing and Supply, Installation and Installation Testing, System Acceptance Testing and Integrated Testing & Commissioning for: **a) 4m vertical rise**				
	b) 5m vertical rise				
	c) 6m vertical rise				
4	**Operation & Maintenance Manuals**				
5	**Training of Personnel**				
6	**Defects Liability period of 2 years**				
7	**Comprehensive Maintenance Services (CMS) for 8 years**				
GST (ceiling amount)					
Duties (ceiling amount)					
BID PRICE TOTAL (in figures)					**100%**

S.No	Clause of Bid document	Original Clause	Revised Clause
8	Annexure 1 – Bid price total summary Note 4	**Table for CMS rate per annum for Lifts & Escalators**	**Delete the table in Page 80**
9	Annexure 1 – Bid price total summary Note 4	**Table for year wise CMS cost for Lifts & Escalators**	**Change the table as given below**

Table for DLP cost for Lifts & Escalators

Year	DLP cost for Lifts			DLP cost for Escalators		
	13 Passenger Lift	26 Passenger Lift	Stretcher Lift	4m vertical rise	5m vertical rise	6m vertical rise
1st year						
2nd year						

Table for year wise CMS cost for Lifts & Escalators

Year	CMS cost for Lifts			CMS cost for Escalators		
	13 Passenger Lift	26 Passenger Lift	Stretcher Lift	4m vertical rise	5m vertical rise	6m vertical rise
3rd year						
4th year						
5th year						
6th year						
7th year						
8th year						
9th year						
10th year						
Total cost of CMS for 8 years						
Grand total cost of CMS for 8 years for Lifts & Escalators						

S.No	Clause of Bid document	Original Clause	Revised Clause
10	Schedule of requirements Clause 91 – Other statutory requirements	The Contractor shall be fully responsible for obtaining relevant safety certificate or license or any other documents required from statutory authorities for commissioning the regular operation of Machine-room less & Gear-less Lifts. The renewal of the license/safety certificate during DLP will also be the responsibility of the contractor. Fee, if any for obtaining such license/ certificate shall be borne by the contractor. The Renewal of the license/Safety Certificate after DLP is Employer's responsibility.	The Contractor shall be fully responsible for obtaining relevant safety certificate or license or any other documents required from statutory authorities for commissioning the regular operation of Machine-room less & Gear-less Lifts. The renewal of the license/safety certificate during DLP & CMS will also be the responsibility of the contractor. Fee, if any for obtaining such license/ certificate shall be borne by the contractor. The Renewal of the license/Safety Certificate after CMS is Employer's responsibility.
11	Schedule of requirements Clause 78	78.3 Escalator components	Add the following clause in 78.3. 78.3.30 Remote Monitoring System for Escalators: The controller shall be compatible with PC based Remote Monitoring system (RMS) existing at Chennai Central Metro station control room. The status of Escalator like Power On / Off / Power Failure status, fault indicator-for all type of faults with instructions for Operators / Controllers about action to be taken, Under Maintenance signal, Up direction indicator, Down direction indicator, Start override indicator, Speed of the Escalator, RMS Mode / Local mode and Down time log shall be made available at the existing RMS. For this, the contractor shall execute all the necessary works for displaying the above signals and Escalator ON/OFF control in the existing RMS at Chennai Central Metro station. The Contractor shall visit Chennai Central Metro station Control room to study the existing RMS. The contractor shall provide the above mentioned signals & controls through open protocol and interface with the existing RMS vendor to provide the signals & controls in existing RMS at SCC SCR.

S.No	Clause of Bid document	Original Clause	Revised Clause
12	Schedule of requirements Clause 88.1 (i)	Functional tests on the UPS unit and 2 hour duration test	Change clause 88.1 (i) as following: Functional tests on the UPS unit and 30 minutes duration test
13	Schedule of requirements		Add the following clause after clause 95. 96: **List of design deliverables:** The successful tenderer shall submit following details / dimensioned drawings thereof for getting notice of no objection from the Employer. 1. General assembly showing mounting arrangement and overall dimensions. 2. Technical solution including design of the both type of the contact system. 3. Design calculation for structural safety along with details of supporting structure. 4. Estimation of implementation period. 5. Summary report of the design of the project. 6. Schematic and wiring diagram with explanation sheet. 7. Details of main parts / sub-assembly. 8. Name / Rating plate of the equipments. 9. Project specific structures with drawings and calculations. 10. Earthing plans Any other details / drawings considered necessary by the successful tenderer/ manufacturer and / or Purchaser.

Chief General Manger (Electrical Inspection)
Chennai Metro Rail Limited