

Pre Bid Clarifications - CONTRACT JP/EW/1B/E3					
S.N.	Clause in Tender	Page	Clause Content	Question	JMRC Reply
1	ITB 4.1	1-4	A Bidder may be a natural person, private entity, or government-owned enterprise subject to ITB 4.5 - or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of Joint Venture	Also Consortium is allowed for Bidding, accordingly "Joint Venture or Consortium" shall be applied wherever only "Joint Venture" is written as eligible Bidders. Request for clarification for the same.	Consortium may be allowed subjected to that all other requirements like jointly and severally liable, minimum experience and all other eligibility criteria's are fulfilled by each consortium member or partner and this project specific agreement as per bid document has to be provided
Part-I, Section 4 - Bidding Forms (BDF), Volume-II (Price Schedules) Part-A & Part-B, Schedule of Prices Schedule No. A1 & B1					
S.N.	Clause in Tender	Page	Clause Content	Question	JMRC Reply
2	Prices Schedules A & B	BoQ 18- 61	Requirement of Prices for various vertical rises and alternate arrangement not applicable i.e., where quantity mentioned as Zero	Request for clarification on specific requirements since it will be difficult to quote for zero quantity and as it will be impractical to apply all these requirement for this project	Prices are to be quoted for all vertical rises
Part - II, Requirements, Section 6 - Employer's Requirements (ERQ) Volume – II Technical Specifications Part-A					
S.N.	Clause in Tender	Page	Clause Content	Question	JMRC Reply
3	6.2.5 (a)	22	<p>(a) Reliability Requirement</p> <p>The Reliability requirements of this TS shall be subsidiary to the Availability and Maintainability requirement of this TS. The reliability of equipment should be of level that it does not result in trapping of Lift User in the Elevator due to equipment failure. Any claim / Damage / Compensation claimed by the affected passenger / elevator user on account of equipment failure shall be recovered from the firm. In addition, JMRC shall impose a penalty @ Rs.10000/- (Rs Twenty Thousand Only) per case. The penalty shall be applicable during DLP and AMC.</p> <p>The Reliability measure for the Elevators shall be the Mean Time Between Maintenance Action (MTBMA). This covers both preventive as well as corrective maintenance.</p> <p>The Elevators shall achieve a MTBMA not less than 7 days. Each day means 24 hours. MTBMA shall be calculated for each calendar month separately and MTBMA calculation shall be done based on the total number of elevators operational on 01st day of that applicable month.</p>	Penalty amount mentioned in number as Rs.10000/- but in words it is mentioned as Rs Twenty Thousand Only. Clarify	Amount of Penalty Rs 10,000 (Ten thousand only) Please follow the Addendum

4	6.2.5 (c)	22 - 23	<p>(c) Maintainability</p> <p>(vi) The MTTR time measurement shall include on site diagnostics and rectification of the failure up to point that the system is restored to full functionality. In the event that the failure cannot be rectified, the measurement shall include the time necessary to remove the failed piece of equipment from the system and replaced it with a functioning module. The maintainability shall be measured by fault rectification time which should not exceed 4 hours since its reporting to contractor call centre or his representative by Operational Control Centre (OCC).</p>	The MTTR should not include the time taken for designated personnel to arrive on site (access time) to begin local diagnostic activities or the time taken for the replacement parts to be delivered to site.	Please follow the Bid condition.
5	6.2.7	25	Any minor reduction in the shaft size (width & depth) to the tune of +250 mm and -100 mm shall have to be accommodated in the design by the elevator contractor by way of provision of suitable guide brackets / stainless steel channels without any additional cost to JMRC. The contractor shall be responsible for any delay on this account. All the ISMC's / Channels required to do installation shall be in the scope of work of Elevator Contractor.	As per IS 14665 Part 2/ sec-1 Clause 6.1 and 6.3, tolerance in minus is not allowed and not possible to design lift with this tolerance	Please follow the Bid condition.
6	6.3.2	26	<p>Motor</p> <p>(c) The maximum temperature rise of the winding shall not exceed 50⁰C above ambient temperature when operated under normal condition.</p>	(c).Temperature rise to be suitable to class-F insulation	Please follow the Bid condition.
7	6.8.10	34	The degree of ingress protection provided to Car Door and Landing Door internal machinery shall be IP - 54	For door contacts IP 20 mentioned in clause 6.16.1.F.iv. This is also to be modified as IP20	Please Follow the bid condition and refer clause no 6.8.10 of TS.
8	6.9.1	35	<p>Car and Landing Doors</p> <p>Door sills shall be made of machined SS block to provide anti-skidding surface, its bottom plate thickness shall be minimum 5.0 mm with non-slip wearing surface.</p>	Instead of dimension, strength can be specified. RDSO and CMRL specifies that the sill shall be capable of withstanding 400 kg.	Please follow the Bid condition.
9	6.9.3	36	<p>Door Operators</p> <p>If the car door is forced open, the Elevator shall stop and the alarm activated until the door is fully closed. The audio visual alarm signal shall be sent to the relevant landing as well as to SCR and CC rooms.</p>	Audio effects only provided. There is no visual indication at landing for alarm pressed	Please follow the Bid condition.
10	6.11.2 (b)	37	A red "Car Overload" indicating lamp with buzzer and Message in Hindi and English Language.	Car overload can be displayed in car display. No separate indicating lamp required.	Please follow the Bid condition.
11	6.11.3 (c)	38	"UP/DOWN" buttons which shall cause a car to travel in the desired direction. These buttons shall be operative only during the "Attendant" operation.	UP and Down button shall not be separately provided for attendant operation and not required	Please follow the bid condition
12	6.16.1 (f)	41	<p>(f) Locking Device</p> <p>iii. The locking device (door contact switch) shall have at least IP 20 protection.</p>	Door contacts IP 20	Please follow the Bid condition.

13	6.16.1 (g)	41	<p>(g) Fascia Where the gap between the car door sill and surface of the Elevator shaft wall exceed 125 mm, galvanized sheet steel fascia plates of not less than 1.5 mm thick shall be provided. These shall be fixed between the undersides of landing entrance sills and the top of the door hanger case to form a flush surface in the path of travel at the car entrance. The plates shall cover the whole width of the landing door and extend by 150 mm on each side of the door. It shall be rigid and properly reinforced. The fascia plate shall be painted in an accepted colour & of 750mm height.</p>	As per EN81 clause no. 11.2.1 (c) this point is not applicable if car door lock is provided	Please follow the Bid condition.
14	6.16.1 (h)	41	<p>h) Door Profile To avoid the sticking of fingers in between Car frame and Car door, profile shall be provided & the gap after provision of profile if any shall not be more than 5 mm.</p>	As per EN this profile required only glass door. Please modify suitably	Please follow the Bid condition.
15	6.17.1	42	<p>Landing Door Bypass (LDB) In case of fault in elevator due to landing door system not functioning properly, a suitable arrangement of Landing Door Bypass shall be provided in elevator to rescue passenger safely from elevator car in conformance to EN 81; Latest Version.</p>	As per latest standard EN 81-20 clause 5.12.1.8 - landing door manual bypass device is intended only for maintenance purpose and not for rescue purpose.	Please follow the Bid condition
16	6.18.3 (i)	44	<p>i. There shall be provision of 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.</p>	Since this shaft light used is bulk head type, LED light is not available in such type and also this light will be used during maintenance only , so CFL Light shall be provided.	Please follow the Bid condition.
17	6.18.4	45	<p>An automatic re-levelling device shall be provided which returns the Elevator to the floor automatically should the Elevator creep down or move up from floor level for any distance from 6 mm to 50 mm. This device shall be operative at all floors served whether the landing and car doors are opened or closed.</p>	Re-Levelling may not be required for stations, since the total travel is very less. Levelling accuracy already specified as ± 5 mm.	Please follow the Bid condition.
18	6.19.7	47	<p>Also there shall be provision of lift data transfer including number of operations, energy consumption i.e. consumed & regenerated from open protocol either BACNET or MODBUS inside LED base RMS system through RS 485 or TCP / IP to Centralized Monitoring System by which Employer can access the data. Flexible controller to be provided for Communication whose setting can be changed.</p>	In LED RMS, these data cannot be provided. Energy data can be retrieved from Energy meter.	Please follow the Bid condition.
19	6.19.13		<p>In the event of failure of the normal electrical supply, the supply to the alarm cum intercom system, emergency car lighting, and the ventilation fan shall be automatically switched to an emergency battery operated power supply (UPS) of E&M System.</p>	Normally car light and fan are connected to the station UPS. Adding car alarm to UPS not having redundancy. Car alarm can be from a battery source from lift control panel	Please follow the Bid condition.
20	6.21.3	51	<p>Emergency Operation of Elevators in the Event of Fire In the event of fire when any fire detection device is activated, all Elevators shall automatically be brought to the designated floor (Ground Floor in case of Ground to concourse lift and to Concourse in case of Concourse to Platform Lift or as per requirement of Employer) and shall park there with the doors open for 15-20 seconds and then close.</p>	As per IS 14665 (Part 2/Sec1) in 8.3.14.2.4 after sequence of operation (phase-1) ,the lift shall park with doors open at evacuation floor	Please follow latest IS 14665.Please follow the Addendum.

21	6.21.5	51 - 52	The rating of the battery shall be approved by the Employers during the design stage and battery shall have minimum of 02 years life. The power supply indication in MCB for ARD shall be of red colour to properly distinguish it from other power supplies in MCB's. Over and above the ARD system, a manual lever and push button shall be provided for manually rescuing.	Red Color MCB'S are not available in market. And it may not be required. Red colour sticker will be pasted over ARD MCB to differentiate from other MCBs	Can be finalized during design approval.
22	6.27.6	55	The contractor shall ensure that there is no water seepage inside MAP and elevator car even due to heaviest of rain.	This clause can be removed, since IP of all panels is already specified.	Please follow the Bid condition.
23	6.30.3	59	The conductor shall be of stranded conductor composed of plain annealed copper wire complying with IEC 228, Class 2.	IEC 228 / IS 8130 / IS 1554 / IS 694 can be considered for Copper conductor	Please follow the Bid condition.
24	6.30.4		The insulation shall consist of an extruded layer of cross-linked polyethylene complying with IEC 502.	IS 7098 can be considered to meet the voltage grade of 1100 V	Please follow the Bid condition.
25	6.30.6 (a)		London Transport Executive Three Metre Cube Smoke Emission Test, using optical measuring instruments. The maximum value of absorbance AO (ON), AO (OFF) shall be 0.8 & 1.2 respectively.	IEC 61034 / ASTM 2843-2010 can be considered for smoke density test.	Please follow the Bid condition.
26	6.30.6 (b)		The US National Bureau of Standard Smoke Chamber Test, used to evaluate plaque samples of materials of constant thickness. (NFPA-258 Smoke Generation of Solid Materials 1982). The maximum specific optical density shall be 170 under the non-piloted condition.		
27	6.30.6 (c)		The flame propagating criteria of US IEEE Standard 383, with a minimum test short circuit time of five minutes, in the IEEE Standard 383 test.	i). As per IEC 332 Part 1 (for single cable), required lower edge of top clamp shall be at least 50mm ii). As per IEC 332 Part 3 (for bunched cable), required charred portion should not exceed 2.5 meters from bottom edge of burner	Please follow the Bid condition.
28	6.30.6 (d)	IEC 332 Parts 1 and 3, Category B, tests on single and bunched cables under fire conditions.			
Part - II. Requirements, Section 6 - Employer's Requirements (ERQ) Volume – II Technical Specifications Part-B					
S.N.	Clause in Tender	Page	Clause Content	Question	JMRC Reply
29	5.2.12	32	(h) Balustrade profiles, decking panels, skirt panel, outer cladding panels, Decking extension : 2.0mm thick for skirt panels, &1.6 mm thick for decking panels, decking extension, inner cladding and minimum 1.0 mm thick for outer cladding panels, grade stainless steel in accordance with ASTM A 182-61T or F-304H or ASTM A 167- 61T T-304 or DIN 1.4301 or equivalent.	Please confirm all the panel thickness means nominal thickness with minus / plus tolerance	Please follow the Bid condition.
30	5.3.8	34	(a) Handrail decks profile : 1.6mm thick stainless steel and hairline finish (Grade 304) .The balustrade decking should be covered by hairline finish stainless steel (grade 304) of 1.6mm thickness.		
31	5.3.8	34	(b) Inner panels : For stainless steel panels, 1.6mm thick stainless steel, hairline finish (Grade 304), with reinforcement and sprayed-on fire resistant vibration/ sound attenuating backing subject to the acceptance of the "Engineer".		
32	5.3.8	34	(c) Outer cladding panels : Minimum 1.0mm thick stainless steel with hairline finish (Grade 304) in Visible as well as Non – visible section as per approval of "Engineer". Panels shall be with reinforcement and sprayed – on fire resistant vibration / sound attenuating backing material subject to the acceptance of the "Engineer". The cladding shall be provided on all three sides including bottom side.		

33	5.3.8	34	(d) Skirt panels : Minimum 2.0 mm thick stainless steel, grade SS-304 hairline finish, with a material of low coefficient of friction such as Teflon or equivalent as reviewed without objection by the "Engineer" applied on the surface.		
34	5.2.19	33	It shall be possible to reverse any escalator manually irrespective of the direction of travel. After being reverse, the escalator shall run smoothly in the desired direction without adjustment and under any passenger load conditions.	Please noted that start the escalator with load is not permitted	Please follow the Bid condition.
35	5.3.5	34	Non-slip, ribbed aluminium surfaced comb of galvanized stainless steel with yellow – coloured die cast. The alternatives like coloured fibre, for the Comb plate is subject to the Employers acceptance at the design stage.	Comb will be die casted aluminium with yellow painted or yellow insert, since any color will be .gasify during the aluminium die-casting (over 700 degree)	Please follow the Bid condition.
36	5.15	49	All the escalators (only in underground Stations / areas) shall be equipped with a sprinkler system, Sprinkler heads (outlets) in the landing pits/ machine rooms and sprinkler pipes along the Truss. The Escalator Contractor shall provide sprinkler pipes and heads inside truss for the Escalators. The locations of the sprinkler heads shall be finalized during design stage.	Due to the sprinkler head complying with Indian regulation is not available in China, SJEC will only provide the pipes, please purchase the sprinkle head locally from JLPL side	Please follow the Bid condition.
37	5.10.20	46	Escalator Control Panel (ECP) shall have data down loading facilities for fault diagnostic through RS – 485 port and USB Port. Fault data logging in ECP should have date & Time stamping facilities of 500 events. There should be provision of resettable type	Please clarify the list of setting to be changed.	Please follow the Bid condition.
38	5.2.1	30	Escalators shall be heavy duty with proven design of energy efficiency with VVVF (Variable voltage variable frequency) drive, 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 an alternating passenger load reaching 100% of Contract Load (120kg per step, including all horizontal steps) for 01 hour and 50% of Contract Load for the following 02 hours and so on for 20 hours a day, seven days a week within the environmental conditions as stated in the General Specification and at the location where the escalators are to be installed. The heavy duty escalator should be a proven, tested and sustainable product for MRTS applications in terms of technology and design, as defined in clause 4.3.1 of TS.	As per EN115-1, the public escalators are suitable for intensive use, regularly operating for approximately 140 h/week with a load reaching 100 % of the brake load for a total duration of at least 0,5 h during any time interval of 3 h	Please follow the Bid condition.
39	5.2.12	32	Escalator components shall be protected against corrosion : (f) All bolts, nuts, shims and Other and hardware	The visible fasteners will be stainless steel which is better than zinc plated. The invisible fasteners will be Dacromet	Please follow the Bid condition.However the same can be finalised during desing approval stage.
40	5.2.12	32	g. Balustrade supports and all other parts:All parts constructed from steel or sheet steel shall be either galvanized by hot-dipped process complying with BS 729 or fabricated from hot galvanized sheet steel or with epoxy powder coated finishes. Cast iron assemblies shall be cleaned and painted with corrosion resistant paint.	If hot dip galvanized applied, it will follow standard of GBT9799 which is equivalent with ISO 2081	Please follow the Bid condition.
41	5.3.7	34	Lifting handles shall be provided to facilitate opening of the landing plate. Means, such as hydraulic cylinders, shall be provided so that the force required to lift the floor plate is not more than 200N.	We will make single landing plate less than 200N, hence the lifting handles can be ignored.	Please follow the Bid condition.However the same can be finalised during design approval stage.
42	5.3.12	35	b. Glass and glazing shall gently comply with BS 952 Part 1, BS 5713, BS 6206 and BS6206 and BS 6262.	BS 952 Part 1, BS 5713, BS 6206 and BS6206 and BS 6262 are building glass standard, it's not applicable for escalator, escalator glass will follow EN12150	In additon to the standards mentioned EN-12150 shall also be applicable to the relevant extent.Please follow the Addendum

43	5.6.14	39	Suitable provision for monitoring oil level in gear box shall be provided. An inspection plate shall be provided to check the condition of the gear.	An oil level window will be provided to monitoring oil level, which will allow the maintenance team to check the oil level without opening the gear box.	This can be reviewed during design approval stage.
44	5.22	50	A barrier shall be provided for both escalator landings, which shall prevent people for entering the pits and escalator. The barrier shall be painted yellow, made from aluminium and be of minimum height 900mm. The barrier should be easy to handle and shift	White plastic frame with yellow flag barrier will be provided	Please follow the Bid condition.
45	12	92-123	MATERIALS AND WORKMANSHIP REQUIREMENTS	BS Standards mentioned in the specifications are old and non-local standards. Due to this there is almost no supplier manufacture his products follow British Standard in Chinese market, the materials and workmanship will follow related Chinese standard or international standard	Please follow the Bid condition.
46	5.9.4	43	In addition, serial interface output ports shall be provided at the controller to allow the system to be connected to a Notebook computer for down loading the historical data for trend analysis. Suitable compatible driver software has to be provided to do	we will supply a interface on HMI to download the data. The data can be down loaded to USB driver by excel format. You can transfer to notebook computer easily without any software. With this proposed function, it's not necessary for the maintenance team	Please follow the Bid condition.
47	5.13.2	47	Generally the distance between Escalator and Escalator Control Panel (Controller Cabinet) shall not be more than 30 meters. However, depending on Site conditions, it may vary and No additional payment on account of any variation in distance will be made	we suggest the distance shall not be more than 25M. due to the EMC requirements.	Please follow the Bid condition.
48	5.14	48	The conductor shall be of stranded conductor composed of plain annealed copper wire complying with IEC 228, Class 2. 5.14.3 The insulation shall consist of an extruded layer of cross-linked polyethylene complying with IEC 502. 5.14.4 All cables shall be m	All cable are FRLSZH, but cable refers to the equivalence international standard, such as EN 61034-2-2005+A1-2013, EN 50267-2-1-1999(R2005), EN 50267-2-2-1999(R2005) and EN 60332-3-23-2009. FRLS cables are requirement of power cable. This requirement is not applicable for Data Cables and Control cables used for communications (instead low voltage shielded cable will be used for communication purposes)	The power & control cable shall be FRLSZH type. Relevant standards of latest version shall be applicable as mentioned in bid document.
49	Appendix -H	208	The following control function shall be provided for RMS:- a) Remote stop control b) Override control switches to prevent unauthorised starting of the escalator for both normal run and inspection run locally. This shall only function when the escalator ha	remote control system will be perform by PLC, but we suggest to cancel the requirement of remote control (both start and stop), since it may cause serious passenger injury or death. As per EN115 and NFA 130 Remote stop can be provided only in cases the entire escalator is viewed before stopping	Please follow the bid condition.
50	12.3.2.f	115	Terminal blocks shall be of the type which clamps the wire securely and without damage between two plates by means of a captive screw and permits removal of a terminal without disturbing any adjacent terminals. Pinch screw type terminal blocks where the	most of control wiring is 0.75mm ² . The terminal block for control wiring is 2.5mm ² conductors. The ternimal block for power loop is 6mm ² / 10mm ² /16mm ²	Please follow the bid condition.
51	12.3.2.i	116	Push Buttons shall be coloured as follows: (1) "Start" - Green; (2) "Stop" Red; All other push buttons shall be black.	The escalator will use key switch for start function, instead of push button. The fault reset button is yellow	This can be reviewed during design approval stage.

S.No	Page No	Clause No	Description	Question	JMRC Reply
COMMERCIAL					
52	Section 1/ Page 1-4 Section 2/ Page 2-4	4.1 22.2		We intend to form a consortium (unregistered) or an AOP (Associate of Persons) instead of a Joint Venture between Indian entity and our Parent Company. Kindly confirm that the same would be considered	Consortium may be allowed subjected to that all other requirements like jointly and severally liable, minimum experience and all other eligibility criteria's are fulfilled by each consortium member or partner and this project specific agreement as per bid document has to be provided.
53	Section 3 /Page 3-4	2- Qualification		Please note that X and Y are forming a Consortium, where X is the Indian Venture and Y is its parent company, we propose to consider the work experience of Y through its subsidiaries as per the structure of the holding company and its subsidiaries. Therefore, we request you to kindly amend the following clause suitably: "It is the legal entity or entities comprising the bidder, and not bidder's parent company, subsidiaries or affiliates, that must satisfy the qualification criterion described below."	Please follow the bid condition
54	Section 4 - Bidding Forma, Vol II - Part A & Part B/ Page BOQ-13	c-3.3 - Terms of Payment		We request 85% payment against Milestone 1 ie Design, Manufacture, Supply of the Elevators/Escalators	Please follow the bid condition
55	Section 4 - Bidding Forma, Vol II - Part A & Part B/ Page BOQ-39	1.3		Kindly confirm if there will be two separate contracts/orders from JMRC ie Contract A for supply of: Imported elevators/escalators OR Local elevators/escalators, (as applicable), on CIF basis and Contract B for Local supply of Elevators and Escalators, Port Clearance, local transportation , Installation, Testing & Commissioning of Elevators & Escalators Payment terms are mentioned based on composite milestones only ie Supply and Installation as one contract. Please clarify since the payment terms are mentioned as composite only i.e Supply & Installation combined. No separate terms for overseas supply. Also the draft contract document provided in the SCC is for composite contract (Section 9 - Contract Forms/ Page 9-3 Contract Agreement)	Please follow the bid condition. It is one contract.
56	Section 8 - Special Conditions of Contract (SCC)/ Page 8-16	Sub Clause 27.2		We request you to put a condition that penalty (Rs 10000 per day) will be levied only in case of faults attributable to contractor	Please follow the bid condition
57	Section 8 - Special Conditions of Contract (SCC)/ Page 8-68	i- Amount of Performance Security		In Case the bid is in both- Indian Currency and Foreign Currency, do we need to provide two BGs - 10% of each currency value. Please confirm	Confirmed
58	Section 9 - Contract Forms/ Page 9-7	Appendix 2 - Price Adjustment		Please clarify the following clause: The price adjustment shall only be applicable for the supply/delivery items in the contract for the items as specified. The contract has two parts: i) Design, Manufacture & Supply of material ii) Installation, Testing & Commissioning of Elevators. Kindly confirm if the Price Adjustment clause will be applicable for both parts ie Installation as well as supply	Please follow the bid condition
Sr no.	PAGE	AS PER CUSTOMER FORMAT	REQUIRED FORMAT		
59	AT THE END OF BG			THIS GUARANTEE IS NON-ASSIGNABLE AND NON-TRANSFERRABLE	

60	AT THE END OF BG			<p>NOTWITHSTANDING ANYTHING CONTAINED HEREIN: 1 OUR LIABILITY UNDER THIS BANK GUARANTEE SHALL NOT EXCEED RS.-----/-(RUPEES -----ONLY). 2 THIS BANK GUARANTEE SHALL BE VALID UPTO -----; 3 WE ARE LIABLE TO PAY THE GUARANTEED AMOUNT OR ANY PART THEREOF UNDER THIS BANK GUARANTEE ONLY IF YOU SERVE UPON US A WRITTEN CLAIM OR DEMAND (AND WHICH SHOULD BE RECEIVED BY US), ON OR BEFORE ----- BEFORE 2.00P.M. (INDIAN STANDARD TIME) WHEREAFTER IT CEASES TO BE IN EFFECT IN ALL RESPECTS WHETHER OR NOT THE ORIGINAL BANK GUARANTEE IS RETURNED TO US.</p>	No change, Please follow the bid conditon.
Blanks to be filled with details and scope of contract will be added					
TECHNICAL ELEVATORS					
Sr no.	Page	Clause no.	Description	Question	JMRC Reply
61		6.3.2 (a)	Motor shall be AC synchronous / asynchronous axial type with high starting torque. As per IEC 60034 – 1, Motor should be suitable for Duty Cycle S5 – 60%.	PMSM elevator motor provided having intermittent periodic duty S3 - 60% as per IEC 60034 due to VF drives which limits starting current & ensures smooth stop. There is nither heavy starting current & nor electrical breaking which is characteristic of S5 duty. Please change S5 to S3.	Please follow bid condition
62		6.7.4	The bracket should be fixed to PCC blocks or RCC beams. It is the sole responsibility of the elevator contractor to interface with the civil contractor, to satisfy himself about the shaft strength, before taking up installation	Please specifically confirm that you will provide RCC tie beams at specified levels in GAD. The bidder will coordinate with the civil contractor. Ensuring the strength should be the responsibility of the civil contractor.	Please follow the bid conditon.
63		16	IS1860 & IS7759	These codes are deleted and replaced by IS14665	Latest applicable code shall prevail
64		16 , 2.3.1--g)	Fire safety requirements as per NFPA-130 code.		Please follow bid condition
65		4.10.1	The installation shall meet the fire safety requirements generally as per NFPA-130	Please also consider as per IS codes	Please follow bid condition
66	33	18 & 6.8.6	Toe guard for elevators shall be made of galvanised sheet steel	Kindly consider M.S. sheet also.	Please follow bid condition
67		18	Noise level in car 50 dBA	Consider 55 dBA	Please follow bid condition
68		18 & 6.8.9	All hoistway and car top safety switches and car junction box shall be rated to IP class 55 (minimum)	These all are inside the shaft need not be IP 55. Plaese confirm.	Please follow bid condition

69	18 & 34	18 & 6.8.10-b)-iv	The Fire rating of the glass for Car door shall be complying with the requirement as per the National Building Code	Lift car door has no fire rating requirement. This is deleted in the NBC-2015 (draft). Thus, this requirement may please be deleted.	Please follow bid condition
70	34	6.8.10 - i)	Landing transom panels	To be changed to landing architrave panels	Please follow bid condition
71	34	6.8.10 -viii	The degree of ingress protection provided to car door & landing door internal machinery shall be IP-54.	Require clarity on IP-54 protection for car as this is normally given for electrical switchgear. Next, whether the degree of protection required is IP-54 or IP-20 ?	Please refer clause no 6.8.10 of TS.
72	41	6.16.1 (f) iii	The locking device (door contact switch) shall have at least IP-20 protection.		Please follow bid condition
73	47	6.19.7	Maintenance Access Panel (MAP) & Shaft Electrification Panel (SEP) shall be IP-55, pilfer proof.	Map panel to be considered as IP54 protection. SEP panels being inside the shaft need not be IP 55. Please confirm.	Please follow bid condition
74	34	6.8.10 (b)	Car finishes - scratch resistant stainless steel	Confirm that the car finishes are scatch resistant S.S. or SS 304 Hairline finish?	Please follow bid condition
75	36	6.9.1	Unless otherwise specified, the car & landing door panels shall be imperforate & fabricated from stainless steel hairline (grade 304) finish of atleast 1.5 mm thick.		Please follow bid condition. However the same can be reviewed during design stage.
76	45	6.18.4	In case of ARD mode the car should stop within +/- 10mm of the level of floor, this is subject to the Engineer's Acceptance at the design stage.	As rescue is an emergency condition and stops abruptly, there can be variation based on load in the car typically +/-40mm. Please consider modifying the clause accordingly.	Please follow bid condition
77		6.20.1	Lift monitoring panel, LED based.	We have proven backlight based Lift Monitoring panel with a) Power available b) working c) under fault d)under maintenance e) alarm button pressed f) Buzzer test button. Please confirm whether we can offer this standard design.	Please follow bid condition.however the same can be reviewed during desing approval stage.
78	73	9.6	All elevator landing door gap shall be less than 4 mm.	6mm as per EN81-1	Please follow bid condition
79	42	6.18.2	The water sensors in the Lift pits shall be provided wherever pits are on the ground level or below the ground level.	Please confirm the requirement.	Please follow bid condition

80	25	6.2.7	Shaft dimension for through type 1000 Kg/13 passenger elevator 2650w x 2300 d	There is no requirement of through type car. Please clarify?	Please follow bid condition	
81	34	6.8.10--3)	Glass rear panel for some elevator	There is no requirement of rear glass panel car. Please clarify?	Please follow bid condition	
82	52	6.24.1	Spring buffers / oil buffers	Spring / Polyurathene buffers provided	Please follow bid condition	
83				Landing access will be required for providing emergency landing door in case travel more than 11 mtrs. Confirm	Please follow bid condition	
84				Kindly clarify as to which elevators are having glass doors & floating pit.	Kindly follow Schedule of Prices.	
85			Shaft size 2500 w x 1950d for non hanging type and 2500 w x 2100 d for hanging pit.	Clear shaft size as specified to be provided throughout shaft length devoid of any projections/columns.	Interfacing is under the scope of the bidder.	
86	29	6.4.5	Compensation chains shall be galvanised.	Not applicable.	Please follow the bid condition.	
87	31	6.8.1	Roller guide shoes	Not applicable.	Please follow the bid condition.	
88	33	6.8.10	MAP panel -- scratch resistance stainless steel	Kindly consider SS 304 , 1.5 mm thick	Please follow the bid condition.	
89	41	6.16.1--g)	Landing facia -- galvanised sheet steel full shaft height	Kindly consider M.S.sheet as per IS14665 code provided	Please follow the bid condition.	
90	53	6.25.4	All hardwares , fastening,screws and shims shall be hot dipped galvanised. However visible screws/fastners shall be stainless steel.	Please change to M.S. passivated.	Please follow the bid condition.	
91	21	6.2.2	Elevators should be designed for 10 lacs operations per year		Please follow the bid condition.	
92		2.3 --b)	Door operation 25 lacs per year	For 20 hours elevator operation per day, maximum door operations will reach 8 lakhs only. Kindly consider.		
93	35	6.9.1	Heavy duty doors to cater 10 lacs operations per year			
TECHNICAL ESCALATORS						
Sr no.	Volume	Page No.	Tender Clause No.	Description	Question	JMRC Reply
94	Part II - Section 6 - Vol II- Part B	31	5.2.7	The Design of the escalators exposed to outdoor conditions shall take into account the adverse effects due to the inclement weather conditions in JAIPUR	Please provide us with a schedule of fully exposed outdoor units and indoor units. Also Please confirm whether SS304 or SS 316 grade to be used for fully exposed outdoor.	All Escalator shall be outdoor type.

95	Part II - Section 6 - Vol II-Part B	34	5.3.5	Non-slip , ribbed aluminum surfaced comb plate of galvanized stainless steel with yellow - coloured diecast.	Please clarify the specific part required in yellow coloured die-cast	Please follow the bid condition
96	Part II - Section 6 - Vol II-Part B	34 & 35	5.3.8c	The cladding shall be provided on all 3 sides including the bottom side.	Please clarify whether we can assume that every unit has 3 sides full cladding?	Yes
97	Part II - Section 6 - Vol II-Part B	37	5.4.6	Provisions shall be made to permit checking of alignment of the newel wheel on site.	Please explain the type of newel wheels required in detail	Detail shall be deliberate during design approval stage.
98	Part II - Section 6 - Vol II-Part B	37	5.5.5	All chain pins shall pin circlipped.	Please confirm whether we can use an alternative heavy duty design where, every 3rd pin is circlipped and others punched.	Please follow the bid condition.
99	Part II - Section 6 - Vol II-Part B	38	5.5.9	The chain rollers/wheels shall have durable elastomer materials bonded to bonded to a metal die case hub	Please confirm whether we can use an alternative heavy duty design - polyamide hub	Please follow the bid condition.
100	Part II - Section 6 - Vol II-Part B	46	5.12.1	Controllers shall be housed outside of truss in Enclosure of controller below escalator inclined section or in wall recess/closet besides the upper landing.	Please clarify the approximate distance from escalator to controller, in the case of upper landing.	Please follow the bid condition.
101	Part II - Section 6 - Vol II-Part B	47	5.13.1	Escalator shall be designed to operate on power supplies of 415V AC +10% - 15%	Please confirm whether the Escalators can operate in the power supply of 415V AC -10% +6%	Please follow the bid condition.
102	Part II - Section 6 - Vol II-Part B	48	5.14.1	All control cables minimum grade as per IEC	Please confirm whether we can use grade of 350 V for control cables and 750 V for power cables	Please follow the bid condition.
103	Part II - Section 6 - Vol II-Part B	22	4.9	Reliability requirements	Please confirm whether the penalty imposed does not include injuries due to external reasons /vandalism (Eg. Not obeying Customer Dos and Donts, where Vendor has no control)	Please follow the bid condition.
104	Part II - Section 6 - Vol II-Part B	22	4.9	Reliability requirements - Mean Time Between Maintenance Action (MTBMA)	Please clarify whether 7 days means each day of 24 hours or 20 hours. Also kindly provide us with the formula for calculating MTBMA	20 Hours

105	Part II - Section 6 - Vol II-Part B	22	4.10	Availability - All Elements of the systems to be maintained	Please clarify whether movement is possible from one site to other during non-working hrs for preventive maintenance. Requesting increase in possession time for preventive maintenance from 4 to 6 hours. Also clarify whether the possession time for preventive maintenance does not include preparatory and handingover time.	It includes preparatory and handingover time also.
106	Part II - Section 6 - Vol II-Part B	22	4.10	The Escalators shall achieve minimum availability of 99%. Contractors shall assume the service operating hours to be 20 hours a day for 365 days in a year for the design life.	Please clarify whether Operating hours is to be considered as 20 Hours, Since GS 14.3.1 Says 0900 to 1700. Customer related calls to be excluded. Also re-consider the Availability requirement of 99.9%, taking into context the Indian Operating conditions..	20 hours.
107	Part II - Section 6 - Vol II-Part B	23	4.11	Maintainability shall be measured by fault rectification time, which should not exceed 4 hours, since its reporting to the contractor's call centre or his representative by the employer.	Please clarify whether response time can be excluded from the calculation	Please follow the bid condition.
108	Part II - Section 6 - Vol II-Part B	144	17.3.10	Full 24 hour on-call coverage	Please clarify whether on call coverage can be provided only during operating hours, as the Escalators will not be running during non-operational hours	Full 24 hour on-call coverage required.

S.No	Part -II Section-6 Volume II Part-B	Tender clause No	Page No	NCB No.-JP/EW/1B/E3(Design, Manufacture, Supply, Installation, Testing and Commissioning (including Integrated Testing and Commissioning) and Maintenance for Two years During Defect Liability Period for Part-A- Machine Room Less Elevators and Part- B- Escalators for underground section of Jaipur Mass Rapid Transit System Project Phase-1B)	Question	JMRC Reply
109	Chapter 5	5.2.1	30 of 209	Escalators shall be heavy duty with proven design of energy efficiency with VVVF (Variable voltage variable frequency) drive, 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, including all horizontal steps) for 01 hour and 50% of Contract Load for the following 02 hour and so on for 20 hours aday, seven days a week within the environmental conditions as stated in the General Specification and at the location where the escalators are to be installed. The heavy duty escalator should be a proven, tested and sustainable product for MRTS applications in terms of technology and design, as defined in clause 4.3.1 of PS.	Load pattern should be consider as per latest EN115	Please follow the Bid condition.
110	Chapter 5	5.2.3	30 of 209	Operating speeds of the escalators shall be as follows: - (a) Service (rated) Speed - Nominal speed 0.65m/s and 0.5 m/s. (b) Maintenance / Idling / Crawling Speed - Less than 0.2m/s.	Operating speeds of the escalators shall be as follows: - (a) Service (rated) Speed - Nominal speed 0.65m/s and 0.5 m/s. (b) Maintenance / Idling / Crawling Speed - Half of Rated Speed	Please follow the Bid condition.
111	Chapter 5	5.2.4	30 of 209	Step width shall be at least 1000 mm. Four flat steps shall be provided at both upper and lower landings	Step width shall be at least 1000 mm. Three flat steps shall be provided at both upper and lower landings	Please follow the Bid condition.
112	Chapter 5	5.2.5	30 of 209	Safety factor of Chain-8	Safety factor of Chain-5	Please follow the Bid condition.
113	Chapter 5	5.2.13	32 of 209	Controller : Protection IP Class 55.	Controller : Protection IP Class 54.	Please follow the Bid condition.
114	Chapter 5	5.3.3	33 of 209	The lower constant lengths from the edge of support to escalator working point will be assumed as 3500 mm while the pit sizes will be assumed as 1750 mm (W) x 1450 mm (D) x 6500 mm (L) (for the preparation of civil works. The upper constant length will be assumed as 4500 mm for vertical rises 15 m, The Contractor shall coordinate with the Civil Contractor for all interfacing requirement. In the event that there are some civil constraints such that the "Engineer" may or may not required to revise the escalator shaft dimensions either as a whole or in part, the Contractor shall provide the escalator(s) with the truss so designed to suit the civil structure as directed by the "Engineer" at no cost to the Employer.	If we are increasing the constant length of Top and Bottom it increasae the huge cost of transportation and material. In this contract controller is outside so no need to provide additional space for working, the space available with 4000mm constant length is sufficient to do maintenance. So Please consider The lower constant lengths from the edge of support to escalator working point will be assumed as 3397 mm while the pit sizes will be assumed as 1750 mm (W) x 1450 mm (D) x 6500 mm (L) (for the preparation of civil works. The upper constant length will be assumed as 4000 mm for all vertical rises up to 15 m The Contractor shall coordinate with the Civil Contractor for all interfacing requirement. In the event that there are some civil constraints such that the "Engineer" may or may not required to revise the escalator shaft dimensions either as a whole or in part, the Contractor shall provide the escalator(s) with the truss so designed to suit the civil structure as directed by the "Engineer" at no cost to the Employer	Please follow the Bid condition.
115	Chapter 5	5.3.4	33 of 217	Track system shall be designed and fabricated to support and retain the steps, running gears and prevent step up-lifting continually or intermittently during operation of escalator, under all load conditions at design speeds. The design shall allow installation and removal of mechanical components without dismantling the structure. The track system shall be constructed of steel. The track surface shall be straight and smooth. All joints, where possible shall be diagonal across the width of the running surface. The maximum deflection of the track system shall not exceed 1.00 mm between any two adjacent track supports under 6000N/m2	The maximum deflection of the track system shall not exceed 1.00 mm between any two adjacent track supports under 5000N/m2	Please follow the Bid condition.

116	Chapter 5	5.3.5	34 of 217	Non-slip, ribbed aluminum surfaced comb plate of galvanized with yellow – coloured die cast. The alternatives like coloured fiber, for the Comb plate is subject to the Employers acceptance at the design stage. Corrosion resisting aluminum alloy comb teeth shall be provided at both landings of each escalator. The comb plate structure shall withstand a load of 6000 N/m ² with a deflection not exceeding 2.0 mm. The teeth of the combs shall properly mesh with the cleats on the step treads and shall be designed to permit simple replacement in sections. The Green colour light in the pits shall be provided to demarcate the moving and the non-moving parts of the escalators. The escalator Contractor shall make suitable provision in escalator panels for the UPS power connection from the station UPS for comb light, pit light, etc.	The comb plate structure will with stand a load of 5000N/m ² is sufficient as per load mention in clause 5.2.1	Please follow the Bid condition.
117	Chapter 5	5.3.9 (a)	35 of 209	The distance between the inner decking immediately below the handrail shall not be less than 1200mm	When escalator are with inside roller than width of truss compare to out side roller is less by 100mm so kindly consider The distance between the inner decking immediately below the handrail shall not be less than 1100mm	Please follow the Bid condition.
118	Chapter 5	5.3.12	35 of 209	The glass balustrade shall be fabricated of tempered safety glass with minimum thickness 10mm	After toughening of glass actually the thickness is less than 10mm so kindly consider The glass balustrade shall be fabricated of tempered safety glass with thickness 10mm	Please follow the Bid condition.
119	Chapter 5	5.4.3	36 of 209	The handrail drive system shall be provided with guides immediately before and after the drive wheel. The returning portion of the handrail shall be supported by guide rollers having bearings at not more than 2 m interval. Adequate provisions shall be provided to maintain proper tensioning throughout the service life of the handrail and prevent tightening / loosening and excessive heating up of the handrail during operation. The temperature rise of the handrail during operation shall not exceed 6°C above station ambient temperature.	There should be both option roller/Guides Track for returning portion because in glass there is not sufficient space to provide the Guide roller .So kindly consider ,The handrail drive system shall be provided with guides immediately before and after the drive wheel. The returning portion of the handrail shall be supported by guide rollers /GuideTracks having bearings at not more than 2 m interval. Adequate provisions shall be provided to maintain proper tensioning throughout the service life of the handrail and prevent tightening / loosening and excessive heating up of the handrail during operation. The temperature rise of the handrail during operation shall not exceed 6°C above station ambient temperature.	Please follow the Bid condition.
120	Chapter 5	5.5.5	37 of 209	A method shall be provided to shorten the chain by one step to compensate for chain elongation	This sentence should be deleted because its giving flexibility to over rule the clause 8.1.1 and by shorting the chain it may be over look the gap between Step to Step as per EN115 and due this may be cause any incidents..If this option is provided then the requirement of EN115 will be overlooked wherein it states that the gap between steps should not be more than 6 mm.	Please follow the Bid condition.
121	Chapter 5	5.5.9	38 of 209	The chain rollers / wheels shall have durable elastomer materials bonded to a metal or Poly Urethane die cast hub. The shore hardness of the tyre materials shall be 920 ± 30A when cured. The bond shall have sufficient strength to avoid de-tyring under all load conditions	Now the rollers are coming with 950 ± 30A from all vendors so please consider , The chain rollers / wheels shall have durable elastomer materials bonded to a metal or Poly Urethane die cast hub. The shore hardness of the tyre materials shall be 950 ± 30A when cured. The bond shall have sufficient strength to avoid de-tyring under all load conditions	Already provided in the bid document Please refer Clause no 5.5.9
122	Chapter 5	5.5.10	38 of 209	The minimum diameters of the chain roller and the trailer rollers shall be 100mm for outside step chain link rollers and 75 mm for inside step chain rollers .The rollers shall have a minimum width of 20mm however service life of rollers shall be as mentioned in PS clause No. 8.1.1 .	Load on step roller is less as compare to Step chain roller so please consider minimum diameters of the trailer rollers shall be minimum75mm.	Please follow the Bid condition.

123	Chapter 5	5.6.14	39 of 209	Suitable provision for monitoring oil level in gear box shall be provided. An inspection plate shall be provided to check the condition of the gear.	Some type of gear box it not possible to provide the inspection plate so please consider ,Suitable provision for monitoring oil level in gear box shall be provided. An inspection plate/dipstick shall be provided to check the condition of the gear.	Please follow the bid condition,however this can be finalised during design approval stage.
124	Chapter 5	5.7.2	39 of 209	Corrosion resistant, oil tight drip pans of galvanised sheet of not less than 2.0 mm thick shall be provided for the entire length of the truss and shall be of sufficient rigidity to support the weight of workmen. Drip pans shall be designed to collect and drain off both oil from the machines and water that may enter through the landings, floor plates, exposed portions of escalators or from fire suppression systems. All gaps shall be properly sealed to prevent leakage. Means shall be provided to drain and collect any excess lubricating oil from the chains to removable container(s) at the lower landing machine pit for easy removal and cleaning.	As per clause it mention the bottom plate which will be thickness of 2mm to support the weight of workman which is bottom plate with proper sealed to prevent leakage, not a drip pan on entire length of below step chain. Kindly confirm	Please follow the Bid condition.
125	Chapter 5	5.10.19	45 of 209	Screened cables shall be used for the connection between the communication as described in contacts in clauses 5.10.2 & 5.10.3 above	Using the potential free contact for getting the signals to activate the RMS box for which not required screen cable so please consider Suitable cables shall be used for the connection between the communication as described in contacts in clauses 5.10.2 & 5.10.3 above cables shall be used	Please follow the Bid condition.
126	Chapter 5	5.10.20	45 of 209	Escalator Control Panel (ECP) shall have data down loading facilities for fault diagnostic through RS – 485 port and USB Port. Fault data logging in ECP should have date & Time stamping facilities of 500 events. There should be provision of resettable type counter for recording fault codes of escalator failure. Also there shall be provision of escalator data transfer including number of operations, energy consumption i.e. energy consumed, from open source protocol either BACNET or MODBUS inside LED based RMS Panel through RS 485 or TCP / IP Port to Centralized Monitoring System by which Employer can access the data. Flexible controller to be provided for Communication whose setting can be changed.	Not possible to provide the both RS-485 and USB port so please consider Escalator Control Panel (ECP) shall have data down loading facilities for fault diagnostic through RS – 485 port /USB Port. Fault data logging in ECP should have date & Time stamping facilities of 500 events. There should be provision of resettable type counter for recording fault codes of escalator failure. Also there shall be provision of escalator data transfer including number of operations, energy consumption i.e. energy consumed, from open source protocol either BACNET or MODBUS inside LED based RMS Panel through RS 485 or TCP / IP Port to Centralized Monitoring System by which Employer can access the data. Flexible controller to be provided for Communication whose setting can be changed.	Please follow the Bid condition.
127	Chapter 5	5.10.20	46 of 209	In addition to above, contractor will provide facility to transfer Fault Data / Log of Escalators through Short Message Service (SMS) to designated Contact Numbers also. Details of the scheme shall be finalised during Design stage. Cost of SIM Card shall be borne by Employer	Kindly define the the total number where SMS to be delivered and also define the number of faults to send and also confirm SMS should be station wise only.(ONE SIM FOR ONE STATION) .At a one time either SMS or RS485 will work.	As mentioned in the Bid documents this will be fianlised duiring desing stage.
128	Chapter 5	5.11	46 of 209	In addition to above, contractor will provide facility to transfer Fault Data / Log of Escalators throughThere shall be provision of Digital Energy Meter (Hour meter) to record consumption of Energy in all Escalators Panels, with the recording of energy per equipment with Time of Day (TOD) facility. Suitable provision shall be provided to record and generate Energy consumption log on the basis of working hours i.e scheduled non-working hours, breakdown hours, waiting time / hours for attention of breakdown, actual period during	Kindly Consider Energy meter to be in scope of electrical contractor	Please follow the Bid condition.
129	Chapter 5	5.14.1	48 of 209	All control and power cables used shall be rated for minimum voltage grade as per relevant IEC.	Procuring the material from China so please consider All control cables used shall be rated for minimum grade of 650 V and all power cables for minimum grade of 1000V	Please follow the Bid condition.

130	Chapter 5	5.22	50 of 209	A barrier shall be provided for both escalator landings, which shall prevent people for entering the pits and escalator. The barrier shall be painted yellow, made from aluminum and be of minimum height 900mm. The barrier should be easy to handle and shift over a distance of 100 meters, with maximum 2 persons. The design of maintenance barrier shall be approved by the engineer before it is delivered at site.	It better to provide the hinge type of barricades fixed at the entry of escalator which would be in scope of civil contractor. This would save the storage space and movement of barricades.	Please follow the Bid condition.
131	Chapter 5	10.3.1	77	The Contractor shall supply the material required for testing free of charge and shall supply and prepare the necessary test pieces, labour and appliances for making all tests, and for carrying out all gauging and weighing on his premises in accordance with the terms of this Specification. If the Contractor is unable to provide approved facilities at his own factory for making the prescribed tests, the Contractor shall bear the cost of carrying out the tests elsewhere, at a place subject to the "Engineer" acceptance	As per clause If the test facility is available in factory than no need for third party test, kindly confirm.	Please follow the Bid condition.
132	Technical Specification, Part - B	Annexure -3 to Appendix-E of Ps	185 of 209	List of DLP spares	Item mention in table not matching our product requirement so Can we edit the list/Quantity of DLP spares as per product component life.	Please follow the Bid condition.
133	Technical Specification, Part - B	Annexure -4 to Appendix-E of Ps	188 of 209	List of Mandatory spares	Item mention in table not matching our product requirement Can we edit the list/Quantity of Mandatory spares as per product component life.	The minimum requirement as indicated in the bid document shall remain unchanged. However, any item not matching with the particular design of the equipment shall be provided with alternate item along with cross reference. All items / spares as required shall be deemed as included in the price quoted for the same.
134	Technical Specification, Part - B	List of The Tools	190 of 209	List of Tools	Item mention in table not matching our product requirement so can Edit the list/Quantity of tools as per product requirement.	Please follow the Bid condition.

ELEVATOR						
S.No	Part -II Section-6 Volume II Part-A	Tender clause No	Page No	NCB No.-JP/EW/1B/E3(Design, Manufacture, Supply, Installation, Testing and Commissioning (including Integrated Testing and Commissioning) and Maintenance for Two years During Defect Liability Period for Part-A- Machine Room Less Elevators for underground section of Jaipur Mass Rapid Transit System Project Phase-1B)	Question	JMRC Reply
135	Chapter 6	6.3.2 (a)	26	As per IEC 60034 – 1, Motor should be suitable for Duty Cycle S5 – 60%.	What is meaning of S5-60%	As mentioned in the bid document It is the duty cycle of the Motor
136	Chapter 6	6.3.3	27	(g) The Elevator machine shall be fitted with a manual emergency device capable of having the brake released by hand and requiring a constant effort to keep the brake open. The manual emergency device shall be handle operated. The handle should be robust and able to bear the human intervention. It will be evaluated during detailed design stage.	(g) The Elevator machine shall be fitted with a manual /Battery emergency device capable of having the brake released by hand and requiring a constant effort to keep the brake open. The manual emergency device shall be handle operated. The handle should be robust and able to bear the human intervention. It will be evaluated during detailed design stage. (As per IS 15785:2007, Clause 5.1 Emergency Operation 5.1.4-If the effort defined in 5.1.1 is greater than 400N a mean of electrical emergency operation shall be provided in accordance with 5.2.)	Please follow bid condition
137	Chapter 6	6.8.10	33	i. Landing Transom Panels - Scratch Resistant Stainless steel,	Pls. clarify Scratch Resistance stainless steel	Please follow bid condition, however the same can be during desing approval stage.
138	Chapter 6	6.9.3	35	The doors shall be provided with keyways for interlocks. Door sills shall be made of machined SS block to provide anti-skidding surface alternatively if door sill is of extruded aluminum, its thickness shall be 5.0 mm with non-slip wearing surface.	The doors shall be provided with keyways for interlocks. Door sills shall be made of machined SS block or fabricated SS to provide anti-skidding surface alternatively if door sill is of extruded aluminum, its thickness shall be 3.0 mm with non-slip wearing surface.	Please follow bid condition

139	Chapter 6	6.11.1	37	Car operating panels and car call buttons shall be ergonomically designed and of robust construction to the Engineer acceptance. The car operating panel shall be integrated and flush mounted, on one of the side panels. All buttons shall be of Jumbo Size with minimum dimension of 50 mm X 50 mm on the panel shall be of robust design and construction and flush with the panel.	6.11.1 Car operating panels and car call buttons shall be ergonomically designed and of robust construction to the Engineer acceptance. The car operating panel shall be integrated and flush mounted, on one of the side panels. All buttons shall be of Jumbo Size with minimum dimension of 38 mm X 38 mm on the panel shall be of robust design and construction and flush with the panel.	Please follow bid condition
140	Chapter 6	6.17.7	43	When a passenger comes in contact with the door safety edge when the doors are closing, the doors shall re-open.	Meaning of door safety edge	Edge of the lift door .
141	Chapter 6	6.18.7	46	As in the case of Power failure (including single phasing/ unbalanced phase), elevator should operate in the Automatic Rescue Device (ARD) and BDT or Electronic Rescue Tool (ERT) mode. This software for providing this feature is subject to the Employer's acceptance.	As in the case of Power failure (including single phasing/ unbalanced phase), elevator should operate in the Automatic Rescue Device (ARD) /BDT and Electronic Rescue Tool (ERT) mode. This software for providing this feature is subject to the Employer's acceptance	Please follow bid condition
142	Chapter 6	6.19.8	47	In addition to above, facility to transfer Fault Data / Log of Elevators through Short Message Service (SMS) to designated Contact Numbers also to be provided. Details of the scheme to be finalised during Design stage. Cost of SIM Card shall be borne by Employer.	Kindly define the the total number where SMS to be delivered and also define the number of faults to send and also confirm SMS should be station wise only.(ONE SIM FOR ONE STATION) .At a one time either SMS or RS485 will work.	This can be finalized during the design approval stage.
143	Chapter 6	6.25.3	53	All steel components shall be hot dipped galvanized in accordance with BS 729, with minimum thickness of 85 µm	Provide list of component for hot Dip galvanization	Please follow bid condition
144	Chapter 6	6.27.5	55	A maintenance barrier shall be provided for elevator landing entrance which shall prevent people from entering the elevator car. The barrier shall be painted yellow, made from aluminium / Fibre Reinforced Plastic (FRP) and be of minimum height 900 mm	A maintenance barrier shall be provided for elevator landing entrance which shall prevent people from entering the elevator car. The barrier shall be painted yellow, made from aluminium / Fibre Reinforced Plastic (FRP) /Steeland be of minimum height 900 mm	Please follow bid condition
145	Chapter 6	6.29.3	56	ii. Glass thickness shall not be less than 10 mm. The selection of glass thickness and type shall be in accordance with the information contained in BS: 6262, BS 952: Part 1, BS: 6206 and European Standard EN-81, Annex J or equivalent international standard.	ii. Glass thickness shall not be less than 10 mm(with manufacturing tolerance of +1mm to -0.2mm as per IS 2553, part-1). The selection of glass thickness and type shall be in accordance with the information contained in BS: 6262, BS 952: Part 1, BS: 6206 and European Standard EN-81, Annex J or equivalent international standard.	Please follow bid condition
146	Chapter 6	6.30.2	59	All Control cables shall be rated for minimum grade of 650V and all power cables for minimum grade of 1100 V.	All Control cables shall be rated for minimum grade of 650v and all power cables for minimum grade of 1000 V.	Please follow bid condition
147	Technical Specification, Part - A	Annexure -3 to Appendix-E of Ps	146	List of DLP spares	Item mention in table not matching our product requirement so Can we edit the list/Quantity of DLP spares as per product component life.	Please follow bid condition
148	Technical Specification, Part - A	Annexure -4 to Appendix-E of Ps	148	List of Mandatory spares	Item mention in table not matching our product requirementCan we edit the list/Quantity of Mandatory spares as per product component life.	The minimum requirement as indicated in the bid document shall remain unchanged. However, any item not matching with the particular design of the equipment shall be provided with alternate item along with cross reference. All items / spares as required shall be deemed as included in the price quoted for the same.
149	Technical Specification, Part - A	List of The Tools	155	List of Tools	Item mention in table not matching our product requirement so can Edit the list/Quantity of tools as per product requirement.	Please follow bid condition

Sr.No.	Section	Page	Clause	Question	JMRC Reply
150	Section 1 - Instructions to Bidders	1-4	<p>4. Eligible Bidders</p> <p>4.1 A Bidder may be a natural person, private entity, or government-owned enterprise subject to ITB 4.5 - or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture. In the case of a Joint Venture,</p> <p>(a) all partners shall be jointly and severally liable, and</p> <p>(b) the Joint Venture shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the partners of the Joint Venture during the bidding process and, in the event the Joint Venture is awarded the Contract, during contract execution.</p>	By Joint venture, it is expressly understood that Partners forming Consortium Agreement between them is also term as an eligible Bidders & all the terms mention for Joing venture applicable to Consortium agreement structure also. Please confirm.	Consortium may be allowed subjected to that all other requirements like jointly and severally liable, minimum experience and all other eligibility criteria's are fulfilled by each consortium member or partner and this project specific agreement as per bid document has to be provided.
151	Sect-1 - Instruction to Bidder	1-14	21.8 The bid security or the Bid-Securing Declaration of a Joint Venture shall be in the name of the Joint Venture that submits the Bid. If the Joint Ventures.....	Whether consortium lead partner can give the Bid security in his name alone, if the other partners is of foreign entity?	The Bid Security should be in the name of bidder. Please follow the bid condition.
152	Sect-1 - Instruction to Bidder	1-13	<p>21 .Bid Security/ Bid Securing Declaration</p> <p>21.3 If a bid security is specified pursuant to ITB 21.1, the bid security shall be,at the Bidder's option, in any of the following forms:</p> <p>(a) an unconditional bank guarantee,</p> <p>(b) an irrevocable letter of credit, or</p> <p>(c) a cashier's or certified check</p>	What do you mean by Cashier's or certificated check. Please clarify? If it is same as Demand Draft, then it will not be possible to provide in Consortium name, as they do not have separate legal entity in India.	Cashier Check generally means Demand Draft. The Bid Security shall be furnished by the bidder only as per ITB clause 21.1
153	Section 2 - Bid Data Sheet	2-3	ITB 12.1 The units and rates in figures entered into the Price Schedules should be typewritten or if written by hand, must be in print form . Price Schedules not presented accordingly may be considered nonresponsive.	How contractor can give typewritten or print form since tender document is a binded document & no soft copy has been provided. Please clarify?	Soft Copy of Price Schedule (Section - 4 Volume - II Part - A & B) has already given to all bidders who has purchased the bid document.
154	Section 2 - Bid Data Sheet	2-4	<p>ITB 22.2 ITB 22.2</p> <p>The written confirmation of authorization to sign on behalf of the Bidder shall consist of :-</p> <p>(a) A written power of attorney authorizing the signatory(ies) of the Bid to commit the Bidder of each member of the partnership, consortium or joint venture. In case of Foreign Partner(s), Power of Attorney(s) and Board Resolution confirming authority on the person(s) issuing the Power of Attorney for such actions, shall be submitted duly notarized by the notary public of origin.</p>	Getting Nortization is a lenghty process in China (Consortium partner). Is it acceptable, it can submitt the POA duly notarized within 45 days, after award of the contract?	Not permitted. Please follow condition
155	Section IV. Bidding Forms	4-6 - Pricing	As specified in the Bid Data Sheet and Special Conditions of Contract, prices shall be fixed and firm for the duration of the Contract , or prices shall be subject to adjustment in accordance with the corresponding Appendix (Price Adjustment) to the Contract Agreement.	Eventhough it is a fixed price contract but Tax variation after award of the contract, if any, has to be borne by the employer. Please confirm.	Please follow the bid condition.
156	Section 7 - General Conditions of Contract	7-10	The Contractor shall acquire and pay for all permits, approvals, and/or licenses from all local, state, or national government authorities or public service undertakings in the country where the Site is located, which such authorities or undertakings require the Contractor to obtain in its name and which are necessary for the performance of the Contract, including, without limitation, visas for the Contractor's and Subcontractor's personnel and entry permits for all imported Contractor's Equipment. The Contractor shall acquire all other permits, approvals, and/or licenses that are not the responsibility of the Employer under GCC Subclause 10.3 hereof and that are necessary for the performance of the Contract.	Bidder will be responsible for procuring permits/licenses from Statutory/Regulatory Authorities, including but not limited to Lift Inspectorate/ PWD Office, including payment of all necessary official fees for such licenses/ permits. You will provide all requisite assistance to enable bidder to obtain the permit / licenses and shall execute / provide such documents as may be reasonable requested by bidder in this regard. However, bidder will not be liable for any delays in the administrative process of procuring such licenses/ permits.	Please follow the bid condition.

157	Section 4 - Bidding Forms (BDF) Volume-II (Price Schedules) Part-A & Part-B	BOQ -10	2.4.1 (B) Port Handling, Port Clearance, Local Transportation to Jaipur / Rajasthan, Insurance, Storage in approved Warehousing. * Heavy Duty machine Room Less Elevator with all ancillary equipment and components including spares and tools to be supplied from outside India; o Port Handling; o Clearance of imports; o Temporary storage.	Is Jaipur Metro will provide the storage space to contractors. Please confirm to built the cost, if not.	Storage space shall be provided by the Employer
158	Section 4 - Bidding Forms (BDF) Volume-II (Price Schedules) Part-A & Part-B	BOQ -5	Validation of RAM data as per the actual performance obtained during DLP as per employers requirement.	Is it allowable for contractor to provide the duly approved RAM analysis report, being submitted in another Metro project in India, if supplying the same equipment. Please confirm	Please follow the bid condition.
159	Section 4 - Bidding Forms (BDF) Volume-II (Price Schedules) Part-A & Part-B	BOQ -11	2.4.3. Schedule No. A / 2B Training of Employer's Staff in different disciplines overseas and in India in accordance with the Employer's Requirements	Bidder can provide on-site training & training within India in its premise, as per the tender requirement. Hope it is fine.	Please follow the bid condition.
160	Section 4 - Bidding Forms (BDF) Volume-II (Price Schedules) Part-A & Part-B	BOQ -13	Stage Payment Conditions based on Milestone 1 to Milestone 5	Requested not to link Foreign payment(USD) mainly Design & supply, if directly supplied from outside India, with the said terms of payment. Foregn Payment should be released 100% on Milestone 1 through issuance of letter of Credit at the time of Manufacturing clearance.	Please follow the bid condition.
161	Section 4 - Bidding Forms (BDF) Volume-II (Price Schedules) Part-A & Part-B	BOQ -13	3.3 A. (b) after delivery to the "Engineer" of evidence of despatch documents in favour of the Employer and delivery of:	Is the document acceptable to JMRC for payment, if the contractor import the equipment from his foreign consortium Partner under his name mention site address of JMRC in all the import documents.	Please follow the bid condition.
162	Section 4 - Bidding Forms (BDF) Volume-II (Price Schedules) Part-A & Part-B	BOQ -14	3.3 D (Last Para) Final payment and Performance certificate will be issued upon only after compliance of employers requirement.	Please clarify what is meant or referred by Final Payment? i.e. which stage or payment.	Please follow the bid condition.

163	Special Condition of the Contract	8-6	<p>Sub Clause 11.1 - Contract Price A. Custom Duty and Excise Duty a) The project is eligible for exemption of custom duty as per notification no. 84/97-customs dated 11.11.1997, as amended by notification no. 85/99-cus. Dated 06.07.1999 and no. 119/99-cus. Dated 02.11.1999 and notification no. 75/2001 dated 0-07-01 and notification no. 107/2001-cus. Dated 12.10.2001</p>	<p>As bidder will be importing material from its consortium partner directly under his name mentioning ship-to-party as JMRC. Is this concession/exception still applicable on custom duty? A plain reading of Customs Notification No. 84/1997 dated 11-11-1997 as amended from time to time in the context of Clause 1(a)(b) makes it clear that to avail of the Duty exemption import need not be affected by an International Organisation listed under Annexure , Appended to the Notification in question.</p> <p>Will JMRC clarified below contractor query relating to concession/Exempted custom duty: a) Is the project for which import is undertaken has been approved by Government of India and financed by an International Organisation listed under Annexure to the Notification. Please provide supporting.</p> <p>b) Will JMRC provide contractor A certificate from an officer not below the rank of Dy. Secretary to the Government of India, in the Ministry of Finance (Department of Economic Affairs) confirming that the said goods are required for the execution of the said project and that the project in question has been duly approved by Government of India.</p>	<p>Loan - 3062 IND is the loan of ADB sanction to GOI for this project. Please follow the bid condition</p>
164	Special Condition of the Contract	8-16	<p>Sub Clause 26.2 - Completion Time Guarantee Time is the essence of the contract and therefore if the work is delayed on account of the contractor, liquidated damage shall be recovered @ 0.01% of the contract value per one week delay of the individual KD (Key Dates). However the total liquidated damage is subjected to 10% of the contract value. The liquidated damage of 0.01% is for two stations (Choti Chaupar and Badi Chaupar) which will be distributed equally for each station and the same shall be levied only for the station (s) where key date is not achieved”.</p>	<p>Liquidate damage of 10% is too high for a lift /escalator contractor. Please considered the maximum limit as 5% of the contract value.</p>	<p>Please follow the bid condition.</p>
165	Special Condition of the Contract	8-17	<p>Sub Clause 27.2 - Defect Liability Defect Liability period shall be 24 months from the date of issue..... A penalty of Rs.10000/- per day in DLP period will be imposed if major equipment (as defined in the contract documents) or any complete system is not working for more than 24 Hrs.</p>	<p>Penalty of Rs 10000/- per day is too high for lift /Escalator contractor. Please considered the maxium penalty of Rs. 2000/- per day.</p>	<p>Please follow the bid condition.</p>

S.No	Volume	Tender clause No	Page No	Description	Question	JMRC Reply
166	Section I	ITB 4.1	1 of 4	Eligible Bidders - Joint Ventures	Whether Consortium is allowed instead of JV	Consortium may be allowed subjected to that all other requirements like jointly and severally liable, minimum experience and all other eligibility criteria's are fulfilled by each consortium member or partner and this project specific agreement as per bid document has to be provided
167	Section I	ITB 21.2	1 of 13	Bid Security by Consortium Partners	In case of a consortium, can one member of the consortium submit the entire EMD amount	The Bid Security should be in the name of bidder. Please follow the bid condition.
168	Section I	ITB 21.8	1 of 14	Bid Declaration	Format is Blank	Please refer the Bid document, It is Not Applicable.
169	Section I	ITB 45.1	1 of 23	PBG Percentage	In case of a consortium, can one member of the consortium submit the entire PBG	Please follow bid condition. The PBG shall be furnished by the successful bidder as per ITB 45.1
170	Section II	ITB 22.2	2 of 4	Power of Attorney/ Board Resolution - Nomination of one members for authorizations in Power of Attorney	Whether Nomination of one or more members authorization is allowed in Power of Attorney	Please follow bid condition
171	Section III	2.2.1	3 of 5	Pending Litigations	In case of Consortium, all partners should submit seperately or pending litigations against Consortium/JV	Please follow the Bid condition.
172	Section III	2.3.2	3 of 7	Average Turnover for Joint Venture each partner must meet 25% of the requirement	Whether this percentage shall also apply for Consortium Agreement participation Percentage	Please follow the Bid condition.
173	Section IV	Bidding Forms	4 of 10	Bid Declaration format is Blank	whether applicable or No	Please refer the Bid document, It is Not Applicable.
174	Section IV	Bidding Forms	4 of 23	Functional Guarantees	whether applicable or No	Not applicable. Please follow the bid condition
175	Section IV	Bidding Forms	25	Bidders Information Sheet	In case of Consortium whether to be submitted by each partners seperately or by Lead Partner	Each Partner Separately. Please follow bid condition
176	Section IV	Bidding Forms	26	Joint Venture Information Sheet	In case of Consortium whetehr to be submitted by each partners seperately or by Lead Partner	Each Partner Separately. Please follow bid condition

177	Section VII	GCC - 15	14	GCC IPR	IPR Definitions not mentioned	Please follow the Bid condition.
178	Section VII	GCC - 28	36	Functional Guarantees	Format not available	Not applicable. Please follow the bid condition
179	Section VII	GCC - 30	38	Limitation of Liability	Exclusions to limitation of Liability to be taken out	Please follow the Bid condition.
180	Section VII	GCC - 33	43	Indemnity clause	including attorney fees and expenses, should be as per reward of Jury/Arbitrator	Please follow the Bid condition.
181	Section VIII	SCC 37	932	Annexures to SCC not available (soft copy)	Indemnity Bond Format, Safe Custody Format	Same to be used.
182	Section VIII	SCC 51	30	Professional Indemnity	Can you please inform the Percenatge to Professional Indemnity to be taken for this contract	Please follow item no (vii) of Annexure-III of SCC.

Sr no.	Clause Number	Page No.	Tender Description	Question	JMRC Reply
183			Design, Manufacture, Supply, Installation, Testing and Commissioning (including Integrated Testing and Commissioning) and Maintenance for Two years During Defect Liability Period for Part-A- Machine Room Less Elevators and Part- B- Escalators for underground section of Jaipur Mass Rapid Transit System Project Phase-1B	Whether bidder has the option to bid for Escalators or Elevators and not both package	Please follow the bid condition. It is one contract.
184	3	2	National Competitive Bidding will be conducted in accordance with ADB's Single-Stage: Two-Envelope bidding procedure and is open to all Eligible bidders as described in the bidding documents.	Need clarity on the process of Single-Stage: Two-Envelope bidding procedure	Please follow ADB standard bid document December 2015
185	11.2(i)	17	in the case of a bid submitted by a Joint Venture, the Bid shall include a copy of the Joint Venture Agreement entered into by all partners. Alternatively, a Letter of Intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all partners and submitted with the Bid, together with a copy of the proposed agreement.	Request format of MOU and Proposed agreement.	There is no set format for MOU. However conditions of the contract shall be met out.
186	18.6 11 11.1	21 873 936	In the case of Fixed Price, prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account. A Bid submitted with an adjustable price quotation will be treated as nonresponsive and rejected.	Price to be firm till Price validity date which is the completion date in the contract and shall be adjusted for variation in taxes or introduction of taxes which will be borne by Customer.	Please follow the Bid condition
187	21.8	23	The bid security or the Bid-Securing Declaration of a Joint Venture shall be in the name of the Joint Venture that submits the Bid. If the Joint Venture has not been legally constituted at the time of bidding, the bid security or the Bid-Securing Declaration shall be in the names of all future partners as named in the letter of intent referred to in ITB 4.1	Whether Lead member in India can submit BG in its own on behalf of all future member .	Please follow bid condition. The Bid Security shall be in the name of Joint Venture.
188	45	32	Within 28 days of the receipt of notification of award from the Employer, the successful Bidder shall furnish the performance security in accordance with the conditions of contract, subject to ITB 39.5, using for that purpose the Performance Security Form included in Section 9 (Contract Forms), or another form acceptable to the Employer	Whether both members can submit separate BG in proportion of their contract value as per their scope of work.	No. The BG shall be furnished by the successful bidder
189	ITB 19.1(e)	37	During the performance of the contract, the foreign currency portions of the outstanding balance of the Contract Price may be adjusted by agreement between the Employer and the Contractor to reflect any changes in foreign currency requirements for the contract. Any such adjustment shall be effected by comparing the amounts quoted in the bid with the amounts already used in the Facilities and the Contractor's future needs for imported items.	Need clarity on this provision.	Please follow bid condition
190	22.2	37	A written power of attorney authorizing the signatory(ies) of the Bid to commit the Bidder of each member of the partnership, consortium or joint venture. In case of Foreign Partner(s), Power of Attorney(s) and Board Resolution confirming authority on the person(s) issuing the Power of Attorney for such actions, shall be submitted duly notarized by the notary public of origin.	Whether Contractor - foreign member can comply with this below requirement in case Contract is awarded to the Contractor bidder and declaration can be provided in effect thereof. " Power of Attorney(s) and Board Resolution confirming authority on the person(s) issuing the Power of Attorney for such actions, shall be submitted duly notarized by the notary public of origin."	Please follow bid condition
191	22.2	37	The Bidder shall submit an acceptable authorization within 14 days.	Need clarity on Authorisation.	Please follow ITB 22.2
192	38.1	38	A margin of preference shall not apply.	Need clarity on Margin of Preference.	Please follow ADB standard bid document December 2015
193	g	57	(g) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: 1 Name of Recipient Address Reason Amount	Need clarity on this requirement.	Please follow ADB standard bid document December 2015

194		61 1025	BID SECURITY FORMAT This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.2 Performance security	Bid security format and other BG Formats to be mutually agreed and necessarily to have standard clause for liability restricted to maximum amount and validity period. Need clarity on "This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.2"	BG are issued under uniform rules for Demand Guarantees, ICC publication No. 458/758
195	FORM EL1-2	78	Form ELI - 2: Joint Venture Information Sheet Each member of the Joint Venture must fill out this form separately. Subcontractor must fill out this form.	In case , no major work is subcontracted then whether this form still to be filled?	It is already clarified.Please follow the bid condition.
196	FORM FIN-3	82	a To be substantiated by a letter from the bank issuing the line of credit.	Whether it refers to Banking reference?	Please follow bid condition
197	GS 10.7 16 39	272 484 876 957	Transfer of Technology	Please clarify the requirement of this clause. All intellectual property rights in the equipment's including the control software which enables routine operation, maintenance and repair of the equipment ("Control Software") remain the property of bidder . The Customer is entitled to a non-exclusive right to use the Control Software and to operate the Equipment for its own purposes, but the Customer shall have no other right or interest in the Control Software, especially as regards to the right to reproduce, reverse engineer or deal in the Control Software.	Please follow the bid condition
198	14 11.1 11.1	875 936 939	14.3 If any tax exemptions, reductions, allowances, or privileges may be available to the Contractor in the country where the Site is located, the Employer shall use its best endeavors to enable the Contractor to benefit from any such tax savings to the maximum allowable extent. 14.4 For the purpose of the Contract, it is agreed that the Contract Price specified in Article 2 (Contract Price and Terms of Payment) of the Contract Agreement is based on the taxes, duties, levies, and charges prevailing at the date 28 days prior to the date of bid submission in the country where the Site is located (hereinafter called "Tax" in this GCC Subclause 14.4). If any rates of Tax are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of Contract, which was or will be assessed on the Contractor, Subcontractors, or their employees in connection with performance of the Contract, an equitable adjustment of the Contract Price shall be made to fully take into account any such change by addition to the Contract Price or deduction therefrom, as the case may be, in accordance with GCC Clause 36 hereof.	It is submitted that The Contractor will support employer in arranging for the remit of the refund to the Employer in case of any concession but the principal responsibility shall be with the Employer and there will be no recovery from the payment to be made to Contractor. Quoted prices are inclusive of the taxes and duties prevailing on the date of this proposal. Any increase in the present taxation structure or introduction of additional taxes by the State / Central (including but not limited to excise duty) / Local Authorities will be borne by the Customer. If any levy, taxes, duties, or octroi/local body tax, applicable at the time of accepting this work order is revised, reviewed, renamed, modified in any manner whatsoever till the time of execution and completion of work order, then the increase will be exclusively borne by the Customer.. In case the Customer claims any concessional or exemption on taxes under any law, Customer shall solely be liable for ensuring the compliances	Please follow bid condition.
199	21.4	883	The Contractor shall, at its own expense, handle all imported materials and Contractor's Equipment at the point(s) of import and shall handle any formalities for customs clearance, subject to the Employer's obligations under GCC Subclause 14.2, provided that if applicable laws or regulations require any application or act to be made by or in the name of the Employer, the Employer shall take all necessary steps to comply with such laws or regulations. In the event of delays in customs clearance that are not the fault of the Contractor, the Contractor shall be entitled to an extension in the Time for Completion, pursuant to GCC Clause 40.	As the material will be imported by Customer directly, all import and port clearance to be in customer scope.	Please follow bid condition.
200	27.8 27.10 27.2	897 946	If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Employer because of any of the aforesaid reasons. In addition, any such component of the Facilities and during the period of time as may be specified in the SCC shall be subject to an extended Defect Liability Period. Such obligation of the Contractor shall be in addition to the Defect Liability Period specified under GCC Subclause 27.2	It is submitted that Defect liability period shall expire on completion of 540 days from the date of Completion of the Facilities (or any part thereof) or 1 year from the date of Operational Acceptance of the Facilities (or any part thereof), whichever first occurs , without further extension. In case , this is mandatory requirement then maximum cumulative extension at any given point of time should not exceed 3 months.	Defect liability period already mentioned in the SCC ,clause-25 sub clause-27.2

201	30	899the aggregate liability of the Contractor to the Employer, whether under the Contract, in tort or otherwise, shall not exceed a multiple of the Contract Price specified in the SCC or, if a multiple is not so specified, the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Contractor to indemnify the Employer with respect to patent infringement.	Bidder request no exclusions to Limitation of liability clause.	Please follow bid condition.
202	33	901	Loss of or Damage to Property; Accident or Injury to Workers; Indemnification	Bidder request that this clause to be read subject to CI 30 and above deviation.	Please follow bid condition.
203	42	913	42.1.1 The Employer may at any time terminate the Contract for any reason by giving the Contractor a notice of termination that refers to this GCC Subclause 42.1.	Bidder request Employer to mention 60 days written notice for Termination for Convenience.	Please follow bid condition.
204	42.2.2	915	then the Employer may, without prejudice to any other rights it may possess under the Contract, give a notice to the Contractor, stating the nature of the default and requiring the Contractor to remedy the same. If the Contractor fails to remedy or to take steps to remedy the same within 14 days of its receipt of such notice, then the Employer may terminate the Contract forthwith by giving a notice of termination to the Contractor that refers to this GCC Subclause 42.2.	Bidder request Employer to replace 14 days with 30 days.	Please follow bid condition.
205	Appendix A	924 - 930	General Conditions of Dispute Board Agreement	Terms and conditions of Dispute Board Agreement to be mutually agreed between the parties on award of contract.	Please follow bid condition.
206	13	939	...The recovery of advances shall commence when 20% of the original contract value of the work has been paid and it will be completed by the time 85% of the Contract Value has been paid.."	As BG will be submitted against release of advance, so request Advance to be non recoverable and Advance BG to be valid till MATERIAL DELIVERY AT SITE.	Please follow bid condition.
207	13	940	(g) In case the contract is terminated due to default of the contractor or rescinded/foreclosed due to any other reason, the contractor shall return the unrecovered amount of all advances within 15 days of issue of notice of termination/ rescission/fore closer of the contract and if the contractor fails to do so due to any reason whatsoever, then interest at an interest rate equal to State Bank of India prime lending rate plus 3% per annum or 12% per annum whichever is higher shall be charged on the unrecovered amount of such advances from 16 days onwards till the same is returned by the contractor.	Bidder request applicability of these interest rates in case Employer fails to make payment.	Please follow bid condition.
208	13.3.3 iii	940	On termination of contract due to contractor's default as per GCC Clause 42.2 the performance security shall be forfeited by encashing the bank guarantee and the balance work shall be got done independently without risk and cost of the failed contractor.	Risk Purchase to be invoked at actual not exceeding the cost of work and to be invoked on levy of maximum LD and for sole acts of Bidder.	Please follow bid condition.
209	26.2	946	Time is the essence of the contract and therefore if the work is delayed on account of the contractor, liquidated damage shall be recovered @ 0.01% of the contract value per one week delay of the individual KD (Key Dates). However the total liquidated damage is subjected to 10% of the contract value. The liquidated damage of 0.01% is for two stations (Choti Chaupar and Badi Chaupar) which will be distributed equally for each station and the same shall be levied only for the station (s) where key date is not achieved".	Liquidated damages to be split for Supply and Installation . LD to be levied on min and max % of contract value for delayed units only. At any point of time , it should not exceed 10% of the contract value for delayed units.	Please follow bid condition.
210	27.2	946	Defect liability period shall be 24 months from the date of issue of Completion certificate for the facilities or any part thereof. During the Defects Liability Period the Contractor shall provide, free of cost, competent and skilled personnel and maintain adequate stock of spares so as to promptly fulfill his obligations during the Defects Liability Period as laid down in GCC and Employer's Requirements. A penalty of Rs.10000/- per day in DLP period will be imposed if major equipment (as defined in the contract documents) or any complete system is not working for more than 24 Hrs	It is submitted that Defect liability period shall expire on completion of 24 MONTHS from date of Completion of the Facilities (or any part thereof) without further extension. In case , this is mandatory requirement then maximum cumulative extension at any given point of time should not exceed 3 months. Rs 10,000/- per day penalty to be covered within the maximum percent of LD and in worst case , it should not exceed Rs 500 per event not exceeding maximum LD of 10%,	Please follow bid condition.
211	45.1	950	Suspension of Work on Account of Arbitration The reference to Conciliation / Arbitration shall proceed not withstanding that the Works shall not then be or be alleged to be complete, provided always that the obligations of the Employer, Engineer and the Contractor shall not be altered by reasons of arbitration being conducted during the progress of the Works. Neither party shall be entitled to suspend the work or part of the work to which the dispute relates on account of arbitration and payments to the Contractor shall continue to be made in terms of the Contract.	Bidder will continue to do undisputed work for which payment is made by the Employer.	Please follow bid condition.

212	32	955	The quantities of items shown in the Bill of Quantities are approximate, and liable to vary during the actual execution of the work. The Contractor shall be bound to carry out and complete the stipulated work irrespective of variation in individual items, at the same rate as specified in the Bill of Quantities subject to variation in the value of the Contract being limited to 25% of the total original/enhanced value of the contract.	Prices and delivery dates for any variation to be mutually agreed between the parties and to be limited to this Project of JMRC.	Please follow bid condition.
213	6.2.5	385	Any claim / Damage / Compensation	Any reasons attributable to Bidder only shall be applicable for penalty. Power surge/ fluctuation	Please follow bid condition.
			claimed by the affected passenger / elevator user on account of equipment	factors will not be considered. Also it is not clear if the penalty is 10k or Twenty Thousand	Penalty shall be Rs 10,000 (Ten thousand only). Please follow the Addendum .
			failure shall be recovered from the firm. In addition, JMRC shall impose a penalty @ Rs.10000/- (Rs Twenty Thousand Only) per case. The penalty shall be applicable during DLP and AMC.	Maximum limit shall be restricted to 5 instances.	Please follow bid condition.
214	6.2.5	387	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 elevator in a year. The average call out ratio should not exceed 1.5 for No. of elevators 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 schedule maintenance exceeds 2 per lift per year or average call out ratio exceeds 1.5, a penalty of Rs. 10,000/- (Rs Ten Thousand Only) shall be imposed for each such visit. The penalty shall be applicable during DLP and AMC period also (if separate contract will be awarded for AMC after completion of 2 years DLP).	Penalty not acceptable if calls are made for reasons other than attributable to Bidder	It is already clarified.Please follow the bid condition.
215	524	1.2.6	Contractor shall be fully responsible for obtain & ensure timely renewal of relevant safety certificate (s) or license(s) or any other documents required from statutory authorities for operation & maintenance of lifts, during 2 Years Defects Liability Period (DLP) and also during the Comprehensive Annual Maintenance Contract. Nothing extra shall be payable	Any charges payable to Lift Inspector shall be directly paid by customer.	Please follow the bid condition.
216	526	2.4	The contractor shall ensure that the Maintenance Performance requirements as mentioned below are achieved:- SMaintenance Performance Requirement for each Staff Quarter Complex 1 Availability % $\geq 99.9\%$ 2 Maintainability (based on Mean Time To Repair) ≤ 4 hrs. 3 Call out Ratio (per Lift per Year) ≤ 2 4 Average Call out Ratio per Year under the contract ≤ 1.5	Availability shall be limited to 98%	Please follow bid condition.
217	6.2.7	24	1000 Kg / 13P	As per IS 14665 either 884 Kg / 13P or 1020 Kg / 15P required to be mentioned	
218	6.2.8	25	car size 1600 x 1400	Neither 13P nor 15P criteria as per IS 14664 for Car area is fulfilled with this car size	Please follow bid condition.
219	6.3.3(g)	27	Hand operated Manual brake release	Manual brake release will have uncontrolled movement of car, hence option of Electrical need to be added.	Please follow bid condition.
220	6.4.1	28	At least 3 steel wire ropes or coated steel belts	This is conflicting with third paragraph of same clause which mentions "steel rope / coated belt of adequate size and number to be provided"	3 nos of rope is minimum requirement.Please follow bid condition.
221	6.8.12	35	Emergency lighting of 100 Lux	As per EN81 (8.17.1) light intensity asked is 50Lux	Please follow bid condition.
222	6.9.4.2	37	Two photo cells	need clarity (will full height light curtain suffice this requirement?)	This act as a back up protection to 3D
223	6.12.1	38	There shall also be an arrow in motion vividly and dynamically indicating car movement and direction.	Please clarify "vividly and dynamically"	The display of arrow indicating the motion shall be vivid and dynamic.
224	6.16.1(g)	41	Where the gap between the car door sill and surface of the Elevator shaft wall exceed 125 mm.	As per IS 14665, this distance is 150 mm. Please clarify.	Please follow bid condition.
225	6.27.4	55	Fault diagnosis procedures and circuit diagrams of the printed circuit board, detail information, software and technical data shall be provided to assist in trouble shooting for breakdown during normal operation and maintenance.	Only Electrical Schematic wiring diagrams will be provided & training for call back / trouble shooting will be arranged on chargeable basis.	Please follow bid condition.

226	6.27.6	55	The contractor shall ensure that there is no water seepage inside MAP and elevator car even due to heaviest rain.	Please elaborate and explain the concept of MAP and expected desired function in addition to the Main control panel	It is already clarified. Please follow the bid condition.
227	6.27.9	55	The elevator contractor shall supply and install the indication board and board for specially abled commuters on the architrave (interface table is modified to that extent)	Please explain the detailed requirement	It shall be approved during design stage.
228	6.30.2	59	All control cables shall be rated for minimum grade of 650V and all power cables for minimum grade of 1100V	Please explain requirement of such higher grade of power and control cable. Bidder recommends Some control cable rated with 300V & power cable Rated for grade 500V or 750V	Please follow bid condition.
229	6.31.4	60	The total noise level in a moving elevator car shall not exceed 55 db(A) with ventilation fan operating	Practically difficult to achieve. Please review.	Please follow bid condition.
230	6.32	60	Maximum Lateral Quaking (in any of X or Y direction) : A side acceleration/deceleration measured in gal, permissible value is 12 Pk-Pk	Please clarify unit of measurement	Please follow bid condition.
231					
232	5.2.6	Page GS 5-2 of 3	The Contractor shall appoint (a) suitably qualified and experienced person(s) as Quality Manager(s), who shall be directly responsible to senior management level and is able to discharge his duties without hindrance or constraint, and provide such other resources as may be required to ensure effective implementation of the Quality Management System and all quality plans.	Kindly confirm if this is a full time requirement.	Please follow bid condition.
233	5.7.2	Page GS 5-4 of 3	The Contractor shall ensure that audits of all the activities in each quality plan are carried out at quarterly intervals, or at such other intervals as the Employer's Representative may require, to ensure the continuing suitability and effectiveness of the quality management system. Reports of each such audit shall be submitted promptly for review by the Employer's Representative.	ISO 9001 (QMS) audits will be carried out every quarter.	Please follow bid condition.
234	7.2.1.4	GS 7-7 of 3	In addition to any special provisions in the Contract for the sampling and testing of materials, the Contractor shall submit samples of all materials and goods which it propose to use or employ in or for the Works. Such samples, if having been reviewed without objection, shall be retained by the Employer's Representative and shall not be returned to the Contractor or used in the Permanent Works unless reviewed by the Employer's Representative. No materials or goods of which samples have been submitted shall be used in the Works unless and until the Employer's Representative shall have reviewed such samples without objection.	Tender Document describes general requirement for All the materials & goods, but Please specify the Key component which Employer wish to Review for test & Finishes of Samples.	It shall be reviewed during design stage.
235	7.2.1.5	GS 7-7 of 3	The Employer's Representative may reject any materials and goods which in his opinion are inferior to the samples previously reviewed and the Contractor shall promptly remove such materials and goods from the Site.	Tender Document describes general requirement for All the materials & goods, but Please specify the Key component which Employer wish to Review for test & Finishes of Samples.	Please follow the bid condition. However it shall be reviewed during design stage.
236	7.4.1.6	GS 7-9 of 3	Unless otherwise specified in TS, indoor equipments shall have a minimum IP rating of IP54 and outdoor equipment shall have IP rating of IP 65 under IEC 529.	Specify the List of Outdoor Escalators separately	All escalator shall be outdoor type.
237	15.4.2	GS 15-9 of 6	The Contractor shall provide and maintain all necessary offices, sheds, stores, mess rooms, latrines and other accommodation and remove the same from the Site on the Employer's Taking Over of the Works. These shall be to the satisfaction of the Employer's Representative and shall be kept in a clean and sanitary condition. No structure shall be erected by the Contractor within the Site without the written consent of the Employer's Representative and such consent will not relieve the Contractor of the responsibility of siting temporary structures clear of the Works.	Site office and Stores will be made available at sites as per the requirement of our Site team. No Mess rooms and latrines will be provided at site.	Please follow the bid condition.
238	forward	5	the contractor is responsible for each activity required to complete the facilities, e.g., design, manufacture, delivery, installation, testing, commissioning, training, and required civil works portions	Bidders FTT can extend the support on Installation, Commissioning and Maintenance Training. Rest- please check.	Please follow the bid condition.
239		101	provision and maintenance of training facilities	Maintenance training can happen in customers site.	Please follow the bid condition.
240		101	employment of approved training staff;	Bidder is having approved and certified trainers to train.	Please follow the bid condition.
241		111	The travel, boarding and lodging expenses for the training of Employer's staff shall be borne by the Employer.	Client will bear the training charges as per above details	Please follow the bid condition.
242	10.4.3	271	The Contractor shall provide such written or printed matter, functional equipment, samples, models, cutaway equipment, slides, films and other instructional materials as may be necessary for training. Such equipment and material shall remain the property of the Employer and shall be sufficient both for the persons trained by the Contractor and for those to be subsequently trained by the ETI.	NA	Please follow the bid condition.

243	10.7.1	272	Bidder shall submit the detailed plan of transfer of technology along with MOU with suitable Indian companies or company having proven track record and working in related areas for major systems / subsystems in accordance with clause 10.7 of GS.	NA	Please follow the bid condition.
244	Sub Clause 11.1 - Contract Price		A. Custom Duty and Excise Duty a) The project is eligible for exemption of custom duty as per notification no. 84/97- customs dated 11.11.1997, as amended by notification no. 85/99-cus. Dated 06.07.1999 and no. 119/99-cus. Dated 02.11.1999 and notification no. 75/2001 dated 0-07-01 and notification no. 107/2001-cus. Dated 12.10.2001	Extract of Notification requires to have a Certificate on Record from Employer to be issued to Contractor to get Goods Imported Duty Free as under - (ii) in case the said goods are intended to be used in a project financed (whether by a loan or a grant) by the World Bank, the Asian Development Bank or any other international organisation other than those listed in the Annexure, and the said project has been approved by the Government of India, a certificate from the executive head of the Project Implementing Authority and countersigned by an officer not below the rank of a Joint Secretary to the Government of India, in the concerned Line Ministry in the Government of India, that the said goods are required for the execution of the said project and that the said project has duly been approved by the Government of India, and (iii) in case the said goods are intended to be used in a project financed (whether by a loan or a grant) by the World Bank, the Asian Development Bank or any other international organisation, other than those listed in the Annexure and the said project has been approved by the Government of India for implementation by the Government of a State or a Union Territory, a certificate from the executive head of the Project Implementing Authority and countersigned by the Principal Secretary or the Secretary (Finance), as the case may be, in the concerned State Government or the Union Territory.	Please follow the bid condition.
245			b) The project is eligible for exemption of Excise duty as per notification no. 108/95- CE, dated 28.08.1995, as amended vide central excise notification no. 7/98-CE, dated 02.06.1998; 33/98-CE, dated 13.10.1998; 4/99- CE dated 11.02.1999 and 40/99- CE, dated 02.11.1999.	(c) in case the said goods are intended to be supplied to a project financed (whether by a loan or a grant) by the World Bank, the Asian Development Bank or any international organization other than those listed in the Annexure, and (i) if the said project has been approved by the Government of India, a certificate from the executive head of the Project Implementing Authority and countersigned by an officer not below the rank of a Joint Secretary to the Government of India, in the concerned Line Ministry in the Government of India, that the said goods are required for the execution of the said project and that the said project has duly been approved by the Government of India, and (ii) if the said project has been approved by the Government of India for implementation by the Government of a State or a Union Territory, a certificate from the executive head of the Project Implementing Authority and countersigned by the Principal Secretary or the Secretary (Finance), as the case may be, in the concerned State Government or the Union Territory, that the said goods are required for the execution of the said project, and that the said project has duly been approved by the Government of India for implementation by the concerned State Government.	Please follow bid condition
246			B. VAT, Rajasthan Entry Tax and Service Tax :- Bidder to note that as per the following Notifications of Government of Rajasthan, Rajasthan Value Added Tax and Rajasthan Entry Tax on certain goods are exempted for this Contract and Bidder shall take into consideration these exemptions in their Contract Price: 1. Rajasthan Tax on Entry of Goods into Local Areas Act, 1999: a. Notification No. F.12 (100)FD/Tax/10-81 dated 6th October 2010 issued by Finance Department (Tax Division) of Government of Rajasthan. i. Amendment No. F.12(100)FD/Tax/10-76 dated 08th December 2011 ii. Amendment No. F.12(100)FD/Tax/2010-10 dated 17th April 2013	Entry Tax Notification copy required which mentions Elevator/Excalator used in Metro Projects are exempt from Entry Tax In the absence of a clear notification mention on Exemption, Entry Tax to be included while quoting Contract Price.	Please follow the refer Notifications and bid condition
247			B. VAT, Rajasthan Entry Tax and Service Tax :- Bidder to note that as per the following Notifications of Government of Rajasthan, Rajasthan Value Added Tax and Rajasthan Entry Tax on certain goods are exempted for this Contract and Bidder shall take into consideration these exemptions in their Contract Price: 1. Rajasthan Tax on Entry of Goods into Local Areas Act, 1999: a. Notification No. F.12 (100)FD/Tax/10-81 dated 6th October 2010 issued by Finance Department (Tax Division) of Government of Rajasthan. i. Amendment No. F.12(100)FD/Tax/10-76 dated 08th December 2011 ii. Amendment No. F.12(100)FD/Tax/2010-10 dated 17th April 2013	VAT Exemption Notification on record that mentions in Annexure Lifts/ Escalators exempt used in Metro Rail Project. Condition - Material Purchase locally shall include - The goods purchase have been in pursuance to contract with Delhi Metro Rail corporation exclusive use in the Jaipur Metro Rail Project. Declaration need to certified by DMRC as per Annexure B of exemption notification	Please follow the refer Notifications and bid condition
248	Service tax Chargeable		As per Contract Conditions, Service tax is chargeable on Abatement basis, i.e on 40% of Total Contract Value @ 15% =6% Service Tax on Total to be charged.	As per Contract Conditions, Service tax is chargeable on Abatement basis, i.e on 40% of Total Contract Value @ 15% =6% Service Tax on Total to be charged. As per law, Service tax chargeable on Installation Portion @ 15% , so the same to be included in the Contract Value recoverable from Jaipur Metro.	Please follow the prevailing rules of Service Tax in India. Bidder may assess the liability of Service Tax by him self and quote the price accordingly, nothing shall be paid over and above the contract price in this regard.
249	17.2.8		No rock crushing or screening facilities shall be set up on Site unless reviewed by the Relevant Authorities and reviewed without objection by the Employer's Representative.	NA, We do not carry out such activity.	Please follow the bid condition in case applicable
250	17.5		Prevention of Mosquito Breeding		
251			(2) standing water shall be treated at least once every week with an environmental acceptable oil which will prevent mosquito breeding; and	NA	
252	18.7.2		First aid facilities		

253	18.7.2.1		The Contractor shall provide, or have access to, sufficient first aid provisions, including trained personnel and facilities appropriate to the Site conditions. Arrangements for transporting the injured (ambulance, stretcher, etc.) shall be provided.	Trasportation arrangements not required as less number of employees working.Take a wavier.
254	18.7.2.2		A Nurse or trained First-Aider is required at all times at the Site of working.	Trained First Aider will be available at site.
255	18.7.5		Dangerous goods, hazardous substances	NA
256	18.7.7		Excavations and floor openings	NA
257	19.1		DAMAGE AND INTERFERENCE	
258	19.1.1		Work shall be carried out in such a manner that, as far as is practicable, there is no damage to or interference with the following, other than such damage as is necessitated to enable the execution of the Works:	
259			(1) watercourses or drainage systems;	NA
260			(2) utilities;	NA
261			(3) structures, roads including street furniture, or other property;	NA
262			(4) public or private vehicular or pedestrian accesses;	NA
263			(5) trees, graves or burial urns; and	NA
264			(6) existing railways and railway systems	NA
265	19.2		Watercourses and Drainage Systems	NA
266	19.3		Utilities	NA
267	19.4		Structures, Roads and Other Property	NA
268	19.5		Access	NA
269	19.6		Trees and Other Similar Obstructions	NA
270	19.7		Noise Control on Works Site	NA
271	19.8		Spoil Disposal	NA
272	20.3		AIR QUALITY	NA, We do not carry out activity which creates emmission & hazardous to Air.
273	20.4		WATER QUALITY	NA,Our activities do not cause water pollution
274	20.5		NOISE	
275			(b) the Contractor shall construct acoustic screens or enclosures around any parts of the Works from which excessive noise may be generated.	NA
276	20.5.4		Vibration Level Limits	NA
277			APPENDIX 8	
278			Provisions by others	
279			(1) First aid bases will be located at the Contractor's principal Works Areas. The bases will consist of a treatment room fitted with two treatment couches, a hand wash basin, sterilising equipment and lockable cupboards to contain sufficient medical supplies for the Contractor's workforce, the Employer's Representative's site supervisory staff, the Designated Contractors working in the area and any visitors to the Site. The first aid post will be air-conditioned, with cooling capability sufficient to maintain the temperature of the inside of the building at 20oC.	We will have tie-up with nearest hospital.
280			(2) A qualified doctor, nurse and assistant nurse will be in attendance at the first aid base during all times when work is being undertaken on the Site, including work by the Designated Contractors and periods when only emergency activities are being undertaken, such as during periods of inclement weather.	We will have tie-up with nearest hospital.
281			(3) A fully equipped ambulance and driver will be provided at the first aid base during all working hours. The ambulance will be equipped with emergency life support equipment suitable for application in construction site accidents.	We will have tie-up with nearest hospital.

Please follow bid condition. However , the provision of safety as given in SHE document and as applicable during the operation of the contract shall be ensured by the contractor.

282	What is the Total estimated cost of the tender	INR 16,28 Cr
283	Performance security amount of the tender	INR 1.62 Cr
284	Can we bid only for Elevator or Escalator , or do we have to bid for both	Bidding to be done for complete bid
285	How many stations are there at which project will be executed	02 Nos of Under Ground stations
286	What will be operating and maintenance cost after Defect Liability Period.	Please follow the bid document.
287	We have given an application for Electrical Contractor License. Can we submit the original after award of the contract , in case the same is not received before the deadline for submission.	Undertaking may be given for the same.