

Pre-Qualification Queries of IFP No:- MM3-CBS-TVE
 QUERIES AND RESPONSES, Date 25th MAY 2016

Prequalification of Bidders for Design, manufacture, supply, installation, testing and commissioning of Tunnel Ventilation System/Environmental Control Systems

S.No	Factor	Subject ref /Clause/ Page No.	Clause Description	Applicant's Query	Response	Addendum
1	Documents establishing the qualification of the applicant	Section1, Instructions to applicants Clause 13.2	13.2 Wherever an Application Form requires an Applicant to state a monetary amount, the Applicant should indicate the USD equivalent using the rate of exchange determined as follows: For construction turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year. Value of single contract - Exchange rate prevailing on the date of the contract. Exchange rates shall be taken from the publicly available source identified in the PDS or, in case such rates are not available in the source identified above, any other publicly available source acceptable to the Employer. Any error in determining the exchange rates in the Application may be	Under this clause,should we consider start date of the contract or date of substantial completion/completion of the project	Prequalification document conditions prevail.	
2	Subcontractors	Section1, Instructions to applicants Clause 22.1	Applicants planning to subcontract any of the key activities indicated in Section III, Qualification Criteria and Requirements, shall specify the activity (ies) or parts of the Works to be subcontracted in the Application Submission Form. Applicants shall clearly identify the proposed specialist subcontractor(s) in Forms ELI-1.2 and EXP -4.2(b) in Section IV, Application Forms. Such proposed specialist subcontractor(s) shall meet the corresponding qualification requirements specified in Section III, Qualification Criteria and Requirements	We intend to engage Specialists vendors for : a.SES and CFD analysis b.SCADA c. If required,supervision of installation,testing and commissioning of TVS Can you please specify the Qualification Requirements that we have to submit along with our PQ document.Alternatively can these be submitted after award of contract for your approval.	Prequalification document conditions prevail. In Prequalification requirement, No specialist subcontractor permitted for key activities (TVS/ECS). Qualifying requirement of specialist vendors for SES, CFD analysis, SCADA etc will be provided at Bidding (RFP) stage.	
3	Average Annual Turnover	a)Section III. Qualification Criteria and Requirements, 3.2, page No,QCR 6 b)Section IV,Application Forms:Form FIN - 3.2	For one (1) contract package The average annual turnover as a prime contractor (defined as billing for TVS/ECS contracts in progress or completed) over the last 5 financial years (i.e. financial years whose ending dates are between April 1, 2010 to March 31, 2015 for the countries where the financial year ending on 31st March or January'1, 2010 to December'31, 2014 for the countries where the financial year ending on 31st December) must be at least USD 19 million or the equivalent thereof. For two (2) contract packages The value of turnover above shall be replaced with USD 38 million	In our opinion the Average Annual Turn Over is for the entire company's Construction Turn Over for Segments such as MRTS/Airports/Railways/Large Infrastructure projects/large commercial buildings projects etc and not necessarily limited to Turn Over for TVS/ECS executed in MRTS/Airports/Railways/Large Infrastructure projects .Please confirm.	"TVS/ECS" deleted Description modified as per JICA Standard PQ document.	Please Refer Addendum No.1
4	Specific Experience	Section III. Qualification Criteria and Requirements, 4.2 a, page No,QCR 7	A minimum number of two (2) similar contracts that have been satisfactorily and substantially(ii) completed as a prime contractor (single entity or JV member)(iii) for 10 years between 1st January 2006 and 31st December 2015. The similarity shall be based on the physical size, complexity, methods /technology or other characteristics as described in Section VI, Scope of Works.	a)We understand that the two similar projects can be, only ECS or only TVS or combined ECS and TVS .Please clarify. b) You have mentioned that a minimum of two similar projects must have been completed as a single entity or all parties combined in a JV..Considering the criticality and complexity of your requirements,we request you to insist for experience in either ECS or TVS or both for each partner in case of a JV.This will ensure that only ECS and TVS experienced bidders only will take part in this tender there by adding their domain knowledge and expertise to the prestigious project. c) Will large commercial projects like High rise(50 floors and above)residential,hotel,offices qualify under this clause d)will Airconditioning and ventilation work in large Industrial projects (example Integrated Steel Plants) of similar size (value and capacity),complexity,methods/technology etc,also qualify under this clause.	The similarity shall be defined as "A single contract with Air conditioning system of minimum capacity 2000TR for project MRT/ Railways/ Airports/ Ports/ Big Hospitals etc and/or Tunnel ventilation system of 2.5km tunnel for MRT/ Railways/ Highways".	Please Refer Addendum No.1

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5	Specific Experience	Section III. Qualification Criteria and Requirements, 4.2 b, page No, QCR 7,8,9,10	For the above or other contracts executed during the period stipulated in 4.2 (a) above, a minimum construction experience, as prime contractor, management contractor, or subcontractor, in the following key activities: For one (1) contract package (a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 19 million and above. or (ii) Average value of 2 works - USD 12 million and above or (iii) Average value of 3 works - USD 9 million and above (b) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of Tunnel Ventilation System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than - USD 23 million and above. or (ii) Average value of 2 works - USD 14 Million and above or (iii) Average value of 3 works USD 11 Million and above (c) Electrical System for MRTS/Railway/Airports/large infrastructure projects For two(2) contract package (a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 38 million and above. or (ii) Average value of 2 works - USD 24 million and above or (iii) Average value of 3 works - USD 18 million and above (b) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of Tunnel Ventilation System of large infrastructure	1).The values for two contract packages will be very high. Probably very few companies would have the capability of handling project of this value and complexity.Hence it is quite risky to entrust such a high value contract to single entity.Therefore please abandon the two package system and make it into three package system wherein a bidder can qualify for all packages but can be awarded only one package .This is on similar lines as was done by DMRC in Phase 3 ECS & TVS tender. 2)Further, for one package sytem,we propose reduction in the values of qualifying projects by 15-20%	Prequalification documents conditions prevails. Criteria modified.	Please Refer Addendum No.1
6	Application Forms	Section IV ,Application Forms,Important Notes, Page No AF 20, SI No No2	2. Bidder may give details in INR or foreign currency	However it is mentioned in clause 13.2 that applicant shall give details in USD . Please clarify	Prequalification document condition ITA 13.2 prevails. Notes at AF20 deleted.	Please Refer Addendum No.1
7	Application Forms	Section IV ,Application Forms,Important Notes, Page No AF 20, SI No No 3	3. Contracts values to be brought at par by applying 2% for for Fx and 5% for INR	This is only to be done for contract values or also Turnover, profits and other financial data ?	To bring at par, Turnover values and Contract values will be escalated by assuming 5% inflation per annum for Indian Rupees and 2% inflation per annum for foreign currency.	Please Refer Addendum No.1
8	Submission of Application	Section II,Pre Qualification data Sheet, I 16.1	Submission of applications for pre-qualification must be received in sealed envelopes, either delivered by hand, courier or by registered mail. The deadline for Application submission is: Date: 27th May 2016	We require 8 weeks time to prepare the PQ documents and submit to you from the date of release of your issuance of clarifications	The deadline for Application submission extended to 29th JUNE 2016.	Please Refer Addendum No.1
9	Section I. Instructions to Applicants	22. Subcontractors	Applicants planning to subcontract any of the key activities indicated in Section III, Qualification Criteria and Requirements, shall specify the activity (ies) or parts of the Works to be subcontracted in the Application Submission Form	We understand we are not required to submit MOUs/ letter of intent with subcontractors for specialised services like BMS/SCADA/CFD analysis/Simulation/SES at this stage. If it is required to be submitted please clarify at what stage it needs to be submitted. (PQ/RFP/After award.)	Please refer response to Query at Sr. No. 2 above.	
10	Section III. Qualification Criteria and Requirement	3.2 Average Annual Turnover	The average annual turnover as a prime contractor (defined as billing for TVS/ECS contracts in progress or completed) over past 5 financial years.	We understand average annual turnover is either from TVS or ECS(HVAC/airconditionng) or both contracts in progress or completed over past 5 financial years to be considered from the overall company turnover Please confirm	Please refer response to Query at Sr. No. 3 above.	Please Refer Addendum No.1
11	Section III. Qualification Criteria and Requirement	4.2 (a) Specific Experience	A minimum number of two (2) similar contracts that have been satisfactorily and substantially(ii) completed as a prime contractor (single entity or JV member)(iii) for 10 years between 1st January 2006 and 31st December 2015.	Please clarify the definition of similar contracts. Whether similarity here means w.r.t scope of work in ECS/ TVS or both works in the any of the sectors like MRTC/Railways/Airports/Large Infrastructure projects or only in metro projects. Also we request you to add Commercial Buildings & Industrial Projects sectors in addition to the MRTC/Railways/Airports/Large Infrastructure projects as same has been considered in other metro projects.	Please refer response to Query at Sr. No. 4 above.	Please Refer Addendum No.1

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12	Section III. Qualification Criteria and Requirements	4.2 (b) - Specific Experience	(a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:-	Please clarify what all projects are covered in the Large Infrastructure project. Also for ECS works we request you to add Commercial Buildings & Industrial Project sectors in addition to the MRTC/Railways/Airports/Large Infrastructure projects as same has been considered in other metro projects.	Please refer response to Query at Sr. No. 4 & 5 above.	Please Refer Addendum No.1
13	Section IV. Application Forms	Important Notes No. 3	To bring the contract values at par, the contract values shall be calculated by assuming 5% inflation for Indian Rupees and 2% for foreign currency portion every year for first 9 years.	We understand that while submitting the PQ forms we have to mention the final contract values as per the documentary evidences available with us. Calculation of actual inflated values based on year of completion shall be carried out by MMRC. Please clarify	Prequalification document conditions prevail, as specified in Application Forms. Notes at AF20 deleted.	Please Refer Addendum No.1
14	Section IV. Application Forms	Important Notes No. 4	Details of the existing or proposed joint venture, partnership or consortium agreement in the form of a Memorandum of Understanding (MOU) signed by all participants will be required. Details of the intended % participation by each member with complete details of the proposed division of responsibilities and corporate relationships among the individual members shall be clearly stated	In case of JV, MOU needs to be submitted during PQ stage or only letter of intent of forming a JV needs to be submitted as per the clause 4.2 of Section I. Instructions to Applicants. Please clarify. Also in case if the MOU needs to be submitted, kindly let us know if there is any specific format for the same.	Prequalification document conditions ITA 4.2 prevail. Notes at AF20 deleted.	Please Refer Addendum No.1
15	Section IV. Application Forms	Forms	Applicant's Legal Name Applicant's Party Legal Name	We understand in case of JV Applicant's Legal Name shall be JV firm name/Lead members name and Applicant's Party Legal Name shall be individual member name Please confirm	YES, as per PQ document Application Forms	
16	Section IV. Application Forms	Important Notes: no. 1	The applicant must demonstrate experience in all areas covered by this Contract including detailed design, system assembly, installing, testing and commissioning of systems of sizes and technology comparable to those contemplated under this contract and also show capability of full integration of sub-systems with other system.	We understand that this being design and build project DDC has to be appointed by contractors at later stage and at this PQ stage no details to be submitted for the same. Please confirm	Prequalification document conditions prevail. Qualifying requirement of DDC will be provided at Bidding (RFP) stage.	
17	Section III. Qualification Criteria and Requirements	4.2 (b) Specific Experience	For one (1) contract package (a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 19 million and above. or (ii) Average value of 2 works - USD 12 million and above or (iii) Average value of 3 works - USD 9 million and above (b) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of Tunnel Ventilation System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than - USD 23 million and above. or (ii) Average value of 2 works -USD 14 million and above or (iii) Average value of 3 works - USD 11 million and above (c) Electrical Systems for MRTS/ Railway/ Airports/ large infrastructure projects	In line with the U/G Metro projects executed in India we request you to revise the specific experience project values as mentioned below and this will also facilitate healthier competition with more participation For one (1) contract package (a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 12 million and above. or (ii) Average value of 2 works - USD 8 million and above or (iii) Average value of 3 works - USD 5.5 million and above (b) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of Tunnel Ventilation System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than - USD 9 million and above. or (ii) Average value of 2 works - USD 5 million and above or (iii) Average value of 3 works - USD 4 million and above (c) Electrical Systems for MRTS/ Railway/ Airports/ large infrastructure projects	Please refer response to Query at Sr. No. 5 above.	Please Refer Addendum No.1

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18	Section III. Qualification Criteria and Requirements	4.2 (b) Specific Experience	For two (2) contract package (a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 38 million and above. or (ii) Average value of 2 works - USD 24 million and above or (iii) Average value of 3 works - USD 18 million and above (b) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of Tunnel Ventilation System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 46 million and above. or (ii) Average value of 2 works - USD 28 million and above or (iii) Average value of 3 works - USD 22 million and above	In line with the U/G Metro projects executed in India and abroad we request you to revise the specific experience project values as mentioned below For two (2) contract package (a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 24 million and above. or (ii) Average value of 2 works - USD 16 million and above or (iii) Average value of 3 works - USD 11 million and above (b) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of Tunnel Ventilation System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 18 million and above. or (ii) Average value of 2 works - USD 10 million and above or	Please refer response to Query at Sr. No. 5 above.	Please Refer Addendum No.1
19	Section III. Qualification Criteria and Requirements	4.2 (b) Specific Experience	(c) Electrical Systems for MRTS/ Railway/ Airports/ large infrastructure projects	We understand electrical work means electrical related to ECS/ TVS / E&M work Please confirm.	Yes, as specified in PQ document	
20	Section IV. Application Forms	Form EXP - 4.2(b)	Form EXP - 4.2(b) (cont.) Specific Construction Experience	We understand, In case of a JV while showing the specific experience detail in Form EXP - 4.2(a) if a member is also in a JV , the Total Contract Amount will be shown as per the percentage participation of JV member meeting the scope specified in clause 4.2 (b) Specific Experience. Please clarify	Prequalification document conditions prevail.	
21	ITA 16.1		The deadline for Application submission	we shall be needing at least 5-6 weeks from the date of receipt of replies to the queries for our PQ bid submission as most of the JV partners are based out of India and lot documentation is required like attestation from local bodies etc.	Please refer response to Query at Sr. No. 8 above.	Please Refer Addendum No.1
22	Design of TVS	SectionVI, Scope of Works, page No SOW 4	The contractor shall be responsible for the design of concept stage, preliminary stage, detail design stage, working / shop drawing stage to the stage of execution and preparation of As Built Drawings. The work is likely to cover Design Verification, Detail Engineering, Supply, Installation, Preparation of Operation and Maintenance Manual, Training of Maintenance/Operation Personnel, Testing and Commissioning of the Environment Control System (ECS) and Tunnel Ventilation System (TVS) of Mumbai MRTS Line-3 for 26 underground stations in 3 construction lots and associated tunnel and ramp sections. For the underground stations from VidyaNagri to Seepz, the TVS and ECS shall adopt the following system configuration concept : i. Tunnel ventilation fans shall also be used for Over Track Exhaust function including normal heat extraction from trackway and smoke exhaust for train trackway fire. ii. A separate station exhaust system shall be provided for station smoke exhaust. The supply air ducts will be utilised for smoke exhaust in case of fire in the station. For all the other underground stations except Vidya Nagri to Seepz, the TVS and ECS shall adopt the following system configuration concept : i. Tunnel ventilation fans shall only be used for tunnel ventilation purpose. ii. The Over Track Exhaust system shall also be used for station smoke exhaust. The supply air ducts will be utilised for smoke exhaust in case of fire in the station	You have specified that for the stations Vidyanagari to Seepz, the TVS fans shall also be used for the Over Track Exhaust function. Our comments on this are as under : 1. So far in India and in many countries this concept is not used and we do not have the experience of this concept. 2. Technically it is possible to adopt this concept. However considering expected long hours of Metro Rail operations per day (20-21 hours) and the location being Mumbai (humid and dusty), there will be many operational and maintenance challenges. These include : a) situations when VFD fail b) regular running of TVF will lead to requirement of greater maintenance such as lubrication, replacement of bearings due to wear and tire etc. c) the dampers need to be operated regularly which require regular maintenance and the time required to service (both planned maintenance and breakdown maintenance) them is relatively longer. d) the SCADA system architecture design will be complex as compared to the conventional design. e) operational complexities in mode changes 3. We therefore suggest that this new concept may please be tried in a shorter UG train route length and only after its success same may be adopted in longer routes like yours 4. Since we have 26 UG stations with a tunnel length of 32.5, it is better to have only one system design thought in order to have	Paragraph in PQ document scope of work amended.	Please Refer Addendum No.1

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23		Section-III, Cl 3.2, Page no QCR-6	Average Annual Turnover For one (1) contract package The average annual turnover as a prime contractor (defined as billing for TVS/ECS contracts in progress or completed) over the last 5 financial years (i.e. financial years whose ending dates are between April 1, 2010 to March 31, 2015 for the countries where the financial year ending on 31st March or January '1, 2010 to December '31, 2014 for the countries where the financial year ending on 31st December) must be at least USD 19 million or the equivalent thereof. For two (2) contract packages The value of turnover above shall be replaced with USD 38 million	1. To replace " Must meet 25% of the requirement" under column "Each Member" with "NA" under column "Each Member" Or 2. To replace "(define as billing for TVS/ECS contracts in progress or completed)" under column "Requirement" by "(defined as billing for construction contracts in progress or completed)" under column "Requirement".	Prequalification document conditions prevail. Please refer response to Query at Sr. No. 3 above.	Please Refer Addendum No.1
24		Section-III, Cl 4.2b, Page no QCR-8	Specific Experience For the above or other contracts executed during the period stipulated in 4.2 (a) above, a minimum construction experience, as prime contractor, management contractor, or subcontractor, in the following key activities: For one (1) contract package (a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 19 million and above. or (ii) Average value of 2 works - USD 12 million and above or (iii) Average value of 3 works - USD 9 million and above	You are also requested to kindly define the term "Large Infrastructure Projects"	Please refer response to Query at Sr. No. 4 & 5 above.	Please Refer Addendum No.1
25		Section-III, Cl 3.2, Page no QCR-6	Average Annual Turnover For one (1) contract package The average annual turnover as a prime contractor (defined as billing for TVS/ECS contracts in progress or completed) over the last 5 financial years (i.e. financial years whose ending dates are between April 1, 2010 to March 31, 2015 for the countries where the financial year ending on 31st March or January '1, 2010 to December '31, 2014 for the countries where the financial year ending on 31st December) must be at least USD 19 million or the equivalent thereof. For two (2) contract packages The value of turnover above shall be replaced with USD 38 million	1. Tata Projects Limited has a turnover of over INR 4500 Crores comprising of power generation, transmission, distribution, Metals and Minerals, Oil, Gas and Hydrocarbon, water and waste water and other allied engineering and quality services out of which air conditioning and ventilation also forms a part of these infrastructure fields. In view of the same, it is very difficult to exactly quantify the value of Air conditioning and ventilation works separately. Our completion certificates for few of the jobs are enclosed here with. 2. The qualifying requirement also states in "one member" column at page no QCR-6 "Must meet 40% of the requirement" 3. Experience requirement of TVS/ECS Contracts has also been asked in clause No 4.2 (b) of Section-III (Qualification criteria and Requirements) at page no QCR-7. In view of the above reasons and in our keenness to be associated with you on this prestigious project, request you to kindly amend this clause as "The average annual turnover as a prime contractor (defined as billing for construction contracts in progress or completed) over the last 5 years..."	Please refer response to Query at Sr. No. 3 above.	Please Refer Addendum No.1
26		Section-I, Cl 14.1, Page no ITA-8	Signing of the Application and Number of Copies 14.1 The Applicant shall prepare one original of the documents comprising the Application as described in ITA 10 and clearly mark it "ORIGINAL". The original of the Application shall be typed or written in indelible ink and shall be signed by a person duly authorised to sign on behalf of the Applicant. In case the Applicant is a JV, the Application shall be signed by an authorised representative of the JV on behalf of the JV and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorised signatories.	Please confirm whether the nomination of one of members of joint venture be in-charge and this authorization can be in form of letter (draft attached) from all other members of Joint Venture having respective Power of Attorney.	Prequalification document conditions prevail.	
27		Section-IV, Form EXP-4.2(a), Page no AF-16	Specific Construction Experience- Currency Exchange rate	Please confirm regarding specific experience work value exchange rate to be considered shall be Exchange rate prevailing on the last day of the calendar year when the work was awarded for the countries.	Prequalification document conditions prevail.	
28		Section-III, Cl 3.1, Page no QCR-5	The audited balance sheets or, if not required by the laws of the Applicant's country, other financial statements acceptable to the Employer, for the last 5 years ending 31st March 2015 for the countries where the financial year ending on 31st March , or for the last 5 years ending 31st December 2014 for the countries where the financial year ending on 31st December shall be submitted and must demonstrate the current soundness of the Applicant's financial position and indicate its prospective long-term profitability. As the minimum requirement, an Applicant's net worth calculated as the difference between total assets and total liabilities should be positive.	We understand that the "Net Worth" = Total Assets - Total Liabilities (except share capital and share application money and retaining earnings). Please clarify.	Prequalification document conditions prevail.	

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29		Section-III, Cl 3.3, Page no QCR-6	Liquidity Position For one (1) contract package The total amount, USD 8 million, of liquid assets and lines of credit during the duration of contract For two (2) contract packages The value of total amount above shall be replaced with USD 16 million.	Please confirm if the firm or Joint Venture is able to qualify the criteria & requirement of liquidity position through Working Capital then Banking reference letter is not require. In that case what is the formula for calculating the working capital of firm or JV.	Prequalification document conditions prevail.	
				Also, we request to amend the requirement of Banking Reference for all members and further propose that Banking Reference for Liquidity Position of value as specified shall be provided by Lead / Any member.	Prequalification document conditions prevail.	
				Also confirm if banking reference letter can be provided from multiple banks and aggregated to qualify the requirements.	Prequalification document conditions prevail.	
30		Section-III, Cl 4.2b, Page no QCR-7	For the above or other contracts executed during the period stipulated in 4.2 (a) above, a minimum construction experience, as prime contractor, management contractor, or subcontractor, in the following key activities: For one (1) contract package (a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 19 million and above. or (ii) Average value of 2 works - USD 12 million and above or (iii) Average value of 3 works - USD 9 million and above (b) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of Tunnel Ventilation System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than - USD 23 million and above. or (ii) Average value of 2 works - USD 14 million and above or (iii) Average value of 3 works - USD 11 million and above (b) Electrical Systems for MRTS/ Railway/ Airports/ large infrastructure projects For two (2) contract package (a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (i) One work of more than USD 38 million and above. or (ii) Average value of 2 works - USD 24 million and above or	We understand that the value of works executed by each JV member, considered for qualification under specific experience shall not be proportionate to the percentage participation of respective member in JV for Mumbai Metro Line-3 MM3-CBS-TVE and thus 100% value of work by each member shall be considered.	Prequalification document conditions prevail.	
31		Section-IV, Cl B General, Page no SOW-4	The Contractor should be in position to provide necessary support (have experts with adequate knowledge and experience, qualification, and to submit such documentation as required) to assist MMRC for effective interaction with Indian authorities viz. Ministry of Railways, RDSO, Commissioner of Metro Railway Safety, EIG and Mumbai Fire Service (MFS). The contractor shall be responsible for obtaining relevant certificates or clearance from local civic authorities, viz completion certificates, fire clearance etc. MMRC shall extend necessary assistance wherever possible. However, it will be the ultimate responsibility of the contractor to obtain all the required relevant certificates or clearances as per the time schedule prescribed by MMRC.	We request to kindly amend the requirement of contractors responsibility for availing statutory clearance as same is interdependent on works of other system wide contractor. However, contractor shall be fully responsible for works under the scope of works and shall sufficiently assist MMRC for availing the statutory clearance.	Prequalification document conditions prevail.	
32		Section-IV, Cl B General, Page no SOW-4	For the underground stations from VidyaNagri to Seepz, the TVS and ECS shall adopt the following system configuration concept : i. Tunnel ventilation fans shall also be used for Over Track Exhaust function including normal heat extraction from trackway and smoke exhaust for train trackway fire. ii. A separate station exhaust system shall be provided for station smoke exhaust. The supply air ducts will be utilised for smoke exhaust in case of fire in the station. For all the other underground stations except Vidya Nagri to Seepz, the TVS and ECS shall adopt the following system configuration concept : i. Tunnel ventilation fans shall only be used for tunnel ventilation purpose. ii. The Over Track Exhaust system shall also be used for station smoke exhaust. The	Detailing and finalization of System Operation Modes can only be carried out during detailed engineering stage. However, considering ventilation requirement as stated as above, suitability of using Tunnel Ventilation Fans for Over Track Exhaust function in combined scenario of emergency & congestion in Tunnel may not be ascertained.	concerned Paragraph in PQ document scope of work ammended.	Please Refer Addendum No.1
33				Selection of Ventilation Fan for such widely varied duty point in line with other selection criteria may not be possible under all circumstances. Pressure pulse of +/- 300 Pa from the piston effect of train movement in tunnel and selection of the fan for stall free operation may cause limitation in selection of fans for performance points required during operation of fans for over track exhaust.	It is not part of Prequalification document	

**Pre-Qualification Queries of IFP No:- MM3-CBS-TVE
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Prequalification of Bidders for Design, manufacture, supply, installation, testing and commissioning of Tunnel Ventilation System/Environmental Control Systems

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34			supply air ducts will be utilised for smoke exhaust in case of fire in the station.	With the requirement of 24 x 7 operation of the system under consideration, frequent maintenance as per manufacturer's recommendation may be necessary for trouble free operation and the same may not be viable under proposed system	It is not part of Prequalification document	
35	Part 1 - Section I	4. Eligible applicants 4.2, page ITA-4	An applicant may be a firm that is a single entity or any combination of such entities in the form of joint venture (JV) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent. In case of a JV, all members shall be jointly and severally liable for the execution of the contract in accordance with the Contract terms. The JV shall nominate an authorised representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the prequalification process, bidding (in the event the JV submits a Bid) and during contract execution (in the event the JV is awarded the Contract)	Kindly confirm that letter of intent to enter into JV agreement alongwith the authorization of nominated authorized signatory (by parties intending to form a JV) shall suffice and Applicant is not required to furnish MOU between the parties as well as JV agreement between parties at this pre-qualification stage. Also, kindly advise whether in case of foreign member of JV, requisite attestation to their notarization from embassy is not required at this pre -qualification stage.	Prequalification document conditions prevail as per ITA 4.2, Application Submission Form(AF-3), Form ELI-1.1(AF-5) & ELI-1.2(AF-6) etc. Notes at AF20 deleted.	Please Refer Addendum No.1
36	Part 1 - Section I	22. Subcontractors, 22.1, page ITA-10	Applicants planning to subcontract any of the key activities indicated in Section III, Qualification Criteria and Requirements, shall specify the.....	Kindly advise whether the Sub Contractor's Qualification can be used by Applicant for qualifying without forming any JV with the sub contractor.	Please refer response to Query at Sr. No. 2 above.	
37	Part 1 - Section I	9. Language of application, 9.1, page ITA-7	The Applicant as well as all correspondence and documents relating to the prequalification exchanged by the Applicant and the Employer, shall be written in the language specified in the PDS. Supporting documents and printed literature that are part of the Application may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the language specified in the PDS, in which case, for purposes of interpretation of the Application, the translation shall govern.	Applicant's self attested translation shall suffice. Kindly confirm.	Yes, As per Prequalification document conditions.	
38	Part 1 - Section II	Pre-qualification data sheet : A) General, ITA1.2, page PDS-2	Add the following sentence at the end of ITA 1.2 : "JV" means Consortium or Joint Venture.	In case of applicant being a Joint Venture or Consortium, we understand forming a new legal entity /Special Purpose Vehicle (SPV) shall not be binding on the applicant. MMRCCL shall consider Lead partner of the JV / partnership as 'applicant' and all communications shall be addressed only to authorized signatory of the applicant / applicants / Lead partner of the JV. Kindly confirm.	Prequalification document conditions prevail.	
39	Part 1 - Section III	3. Financial Situation, 3.2, page QCR-6	The average annual turnover as a prime contractor (defined as billing for TVS / ECS contracts in progress or completed) over the last 5 financial years must be atleast.....	Our company is having number of business lines and the audited financial statement of the company have the information about overall performance of the company. Hence, we therefore request you to allow average annual turnover as stated in financial results of company	Please refer response to Query at Sr. No. 3 above.	Please Refer Addendum No.1
40	Part 1 - Section III	4. Experience, 4.2(b), page QCR-8	Works of following Value	Kindly advise whether the total of all orders from different contractors for the same project can be considered as a single order for qualification purpose. If not, then we request you to kindly reduce the value of the works in qualification criteria.	Please refer response to Query at Sr. No. 5 above.	Please Refer Addendum No.1
41	Part 1 - Section III	4. Experience, 4.2(b), page QCR-11	(vi) The Applicant shall have simulation and testing equipment and facilities for full design checking and validation (through load simulation) and for testing of the subsystem once installed on site	Kindly note that simulation and testing equipment and facilities for full design checking and validation (through load simulation) and for testing of the subsystem once installed on site shall be available with our Consultant.	Note (vi) deleted. and please refer response to Query at Sr. No. 2 above.	Please Refer Addendum No.1
42	Part 1 - Section IV	Form CON-2., Form FIN-3.1, 3.2, 3.3, Form Exp-4.1, 4.2 (a), (b)	Applicant's Legal Name : Applicant's Party Legal Name : shall be filled by each member of a JV	(The table In case of applicant being a Joint Venture or Consortium, we understand that forming a new legal entity /Special Purpose Vehicle (SPV) shall not be binding on the applicant. Kindly confirm the same and advise what is to be mentioned in Applicant's Legal Name and Applicant's Party Legal Name, as mentioned in bracket, each member in JV shall be filling in the table with its respective details.	Prequalification document conditions prevail as per Form ELI-1.1 or Form ELI-1.2 as applicable.	
43	Part 1 - Section II	Pre-qualification data sheet : D) Submission, ITA 16.1, page PDS-3	The deadline for application submission is 27th May, 2016	As we need to make lot of documentation, we request you to kindly extend the application submission date to June 27, 2016..	Please refer response to Query at Sr. No. 8 above.	Please Refer Addendum No.1
44	Section I. Instructions to Applicants	ITA-4 - 4. Eligible Applicants	PQ Application	If we submit PQ application for 2 packages and we eventually get qualified for 1 will we be still considered for 1 package. Do we have to say as in qualification application is for 2 package or 1 package? Please confirm	Prequalification document conditions prevail.	
45	Section I. Instructions to Applicants	ITA-4 - 4. Eligible Applicants	An Applicant may be a firm that is a single entity or any combination of such entities in the form of joint venture (JV) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent.	Can a company submit two separate applications with two different JV partners i.e. can a company A submit one application with company B as A-B joint venture and second application with company C as A-C joint venture. i.e. Two separate PQ applications. Please clarify	Prequalification document conditions prevail. Refer ITA 4.5	
46	Section III. Qualification Criteria and Requirements	3.2 - Average Annual Turnover	The average annual turnover as a prime contractor (defined as billing for TVS/ECS contracts in progress or completed) over the last 5 financial years (i.e. financial years whose ending dates are between April 1, 2010 to March 31, 2015 for the countries where the financial year ending on 31st March or January '1, 2010 to December' 31, 2014 for the countries where the financial year ending on 31st December) must be at least USD 19 million or the equivalent thereof. For two (2) contract packages The value of turnover above shall be replaced with USD 38 million	In case of a joint venture, please confirm that the turnover requirement of USD 19 million/ 38 million has to be met by arithmetic addition of the average of each of the joint venture partners.	Prequalification document conditions prevail. Refer Qualification Criteria and Requirement 3.1	

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47	Section III. Qualification Criteria and Requirement	4.2 (b) Specific Experience	a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of large Environmental Control System of large infrastructure projects/ U/G works completed in last 10 years of any of the following value:- (I) One work of more than USD 19 million and above. or (ii) Average value of 2 works - USD 12 million and above or (iii) Average value of 3 works - USD 9 million and above	For Point (iii) - In case of a JV, can one JV partner meet the requirement for 1 package and other for 2 packages ? Please confirm.	Prequalification document conditions prevail. Refer Qualification Criteria and Requirement 4.2(b)	
48	Section IV. Application Forms	Important Notes No. 3	To bring the contract values at par, the contract values shall be calculated by assuming 5% inflation for Indian Rupees and 2% for foreign currency portion every year for first 9 years.	Please confirm whether the inflation/escalation shall be as per compound interest or simple interest.	Prequalification document conditions prevail. It will not be compounded.	