

Construction of Multistoryed Residential Complex for Residential Sector C-3, at IA, Trans Delhi, Signature City, Ghaziabad

Clarification of Queries raised by the Bidders during the Pre-Bid Meeting held on 10/3/2016

S. NO.	Querries Raised by M/s. Ahluwalia Contracts (India) Limited, New Delhi	Clarification
1	Income Tax clearance certificate (Page 1-1 para 3) : The ITCC is not issued by the Income Tax Deptt as per CBDT Circular dt. 10.02.2004. We will submit ITR for the last three years in place of ITCC. Please confirm.	Accepted
2	Liquid Assets certificate (Page 1 Para 4) : We will submit the liquid asset certificate as per our latest balance sheet (31.03.2015). Please confirm.	Accepted
3	Technical Supervisor Staff (Page 1 para 5(1): As per your requirement Principal Technical Representative should B.E. (Civil) + MBA. We request please consider B.E. (Civil) only.	Accepted
4	Evidence of access to financial resources such as cash credit by banks / loan commitments (Page 5 para2). We suppose that any one out of either Liquid Assets declaration or Bank certificate in regard to financial resources such as cash credit by Bank /	Accepted
5	Liquid Assets: AS per Tender it is desired from Bank. Whereas we propose to give by way of self-certificate/declaration on the basis of Audited Balance sheet as on 31.03.2015. Limit of Bank Guarantee available (Utilized/unutilized) will be given by	Accepted
6	We are working on this Tender. This tender involves many outsource items from specialized vendors. This is taking time.	Bid submission date extended upto 22/03/2016

You are requested to extend Bid submission for Ten days (10).

Tender for "Construction of Multistoried Residential Complex in Residential Sector C-3 at IA Trans Delhi Signature City, Ghaziabad"

Pre Bid Queries of Tata Projects Limited

SI No.	Reference Volume	Reference Section/ Clause/ Sub Clause	Description	Query	Clarification
1	Part -1, Technical Bid (Prequalification Bid)	Covering Sheet	Note 2: "At the time of submission of tender language or undertaking for validity of time provided with the Tender documents must be written on non judicial stamp paper worth Rs. 100/-and duly signed after affixing revenue stamp worth Re.1/-."	Please provide format for affidavit	Format provided during the pre-bid meeting
2	Part -1, Technical Bid (Prequalification Bid)	Covering Sheet	Date of Receiving tender : 15.03.2016	Considering the nature of job and involvement of Engineering works, request you to provide time extension for bid submission upto 25.03.2016	Bid submission date extended upto 22/03/2016
3	Part -1, Technical Bid (Prequalification Bid)	Covering Sheet		Please indicate Place of Submission of tender.	Chief Engineer Office, Kanpur
4	Part -1, Technical Bid (Prequalification Bid)	Page-N01, Clause 4 Liquid Assets	Availability of liquid Assets up to 12% of Bid value.	Request you to consider Cash limits certificate from Bankers and Liquid Limit certified by Chartered Accountant	Accepted
5	Volume-1 (ITT & GCC)	Page 105 for EMD BG		Please indicate Tender Notice Number and Date to be filled in EMG format.	Nil
6	Volume-1 (ITT & GCC)	Page 105 for EMD BG		Request you to provide your Bank details (Account number and IFSC Code) in order to obtain EMG BG as per Latest Bank regulations for SFMS system	07270021000476 88 PUNB0072700

Minutes of Pre-Bid Meeting held on 10.03.2016

Name of Work : Construction of Multistoreyed Residential Complex for Residential Sector C-3, at IA, Trans Delhi, Signature City, Ghaziabad

Clarification of Queries raised by the Bidders during the Pre-Bid Meeting held on 10/3/2016

A. M/s. Larsen & Toubro Ltd, Mumbai

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
COMMERCIAL & COMMON QUERIES						
1	Notice Inviting Tenders		Affidavit for True Information	उम्मीदवार को एक सत्यापन की वेब साइट के तहत प्रमाण पत्र की आवश्यकता है और की गई है। यदि आप इस प्रमाण पत्र के उपयोग नहीं करते हैं तो आप इसे नहीं प्राप्त कर सकते हैं। उम्मीदवार को वेबसाइट पर जाकर प्रमाण पत्र प्राप्त करना होगा। वेबसाइट का पता: www.upsidc.com या भी इस वेबसाइट पर भी जा सकते हैं।	Request you to kindly provide the format for Affidavit of True Information.	Format issued during pre-bid meeting.
2	General		Tender Submission Authority		Kindly confirm which of the following shall be the tender submission authority :- Office of the Chief Engineer U.P. State Industrial Development Corporation Ltd., A-1/4 Lakhanpur, Kanpur, U.P. (OR) Office of the Executive Engineer Construction Division - III U.P. State Industrial Development Corporation Ltd., Ghaziabad.	Chief Engineer Office Kanpur
3	1. Tender Form 2. Notice Inviting Tender 3. Vol II - Financial Bid		Earnest Money Deposit		Kindly revise Memorandum (Vol II - Page 25) to include Bank Guarantee in addition to FDR & CDR for EMD.	B. G already included. Format as per Page-5, Vol I.
4	Volume I - GCC	1. Memorandum 2. Clause 10.0	Security Deposit/ Retention Money	(Page No. 5 - Memorandum) 5% (Five Percent Only) of the contract amount which shall be deducted in the running bills as set out in this contract. Bank guarantee to be furnished for retention money.	Please add the word - "alternatively" to "Bank guarantee to be furnished for retention money" (Vol 1 - Pg 5)	As per clause no. 10 Vol-I, Bank Guarantee will be provided for retention money
5	Volume I - GCC	Memorandum	Time allowed for starting the work	The date of start of contract shall be reckoned from the date of execution of agreement.	The date of start shall be later of "date of execution of agreement" or "Receiving copy of Environmental clearance certificate from UPSIDC"	As per Tender
6	Volume I - GCC	Memorandum	Site Office	Page 6 (xv) - Furnish office accommodation - 1200sqft furnished drawings enclosed	The mentioned drawings are not available. Please provide the same.	Drawing Issued during Pre-bid meeting.
7	Volume I - GCC	1. Memorandum (Page 6) 2. Clause 45.1-5.0(a) - Page No 35	Approval from local bodies	1. Memorandum: "Approval from local bodies like GDA, Fire, Central Ground Water Authority, CGPCB, CFO & St PCB etc - In the scope of UPSIDC" 2. Clause 45.1: "All services plans should be got approved from the local bodies like Ghaziabad Development Authority, Fire, Central Groudb Water Authority, CGPCB, CFO & St PCB etc in respect of individual service pertaining to individual local body within 6 months from the stipulated date of start."	1. Request you to modify Clause 45.1.5 in line with Memorandum. 2. Clause referred to in Memorandum is 4.1.5(a) which is incorrect. Request you to modify the same to 45.1.5.	As per Tender - Memorandum at Page 6, Vol II
8	Volume I - GCC	45.1-5.0(a) - Page No 35	Submission of structural design	The contractor(s) shall supply 15 copies of cloth mounted/ laminated approved structural drawings/ architectural drawings to the EIC for the use of UPSIDC	5 copies of approved drawings without lamination & cloth binding shall be submitted. Kindly confirm the same.	As per Tender
9	Volume I - GCC	45.1-6.0(b) - Page No 36	Handing over of flats/ houses	The contractor(s) agency shall lay the services as per approved plan by various civil authorities like GDA, Fire etc. The contractor shall ensure physical handing over of these services to UPSIDC. The UPSIDC reserves the right to withhold the amount which is likely to be payable to these agencies as deficiency charges.	1. All approvals for services from statutory agencies shall be in UPSIDC's scope. 2. On completion, the flats shall be handed over to UPSIDC and NOT to individual tenants.	1. Refer Point No.7 above. 2. Flats to be handed over to UPSIDC.
10	Volume I - GCC	2.2.2 (Page 9)	Underground encumbrances	In case of any encumbrances found underground at site by Contractor, UPSIDC shall not consider claim as per Contract.	Request you to kindly provide the plan of existing services from the concerned government authorities. Also, request you to kindly operate the cost of relocating the existing services at actuals. The contract duration shall be excluding the time required for relocating the existing services. Kindly confirm.	As per Tender
11	Volume I - GCC	16.0 (Page 16)	Price Variation	"...and provided further that any such increase shall be limited to the price prevailing at the time of stipulated date of completion or as prevailing for the period under consideration, whichever is less."	Request you to kindly consider the following changes in the clause :- "...and provided further that any such increase shall be limited to the price prevailing at the time of stipulated date of completion including the justified period extended under provision of Clause 72.4 or as prevailing for the period under consideration, whichever is less."	As per Tender

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
12	Volume I - GCC	16.0 (Page 16)	Payment due to variation in prices of cement and steel after receipt of tender.	However for work done during the justified period extended as above, it will be limited to indices prevailing at the time of stipulated date of completion or as prevailing for the period under consideration, whichever is less.	Request you to kindly consider the following changes in the clause :- "However for work done during the justified period extended as above, it will be limited to indices prevailing at the time of stipulated date of completion including the justified period extended vide relevant Contract clauses or as prevailing for the period under consideration, whichever is less. "	As per Tender
13	Volume I - GCC	28.4 (Page 26)	Ground Breaking Ceremony/ Inaugural Function	Any expenditure already incurred/ to be incurred by UPSIDC shall be recovered from the contractor.	Request you to remove this clause.	As per Tender
14	Volume I - GCC	44.0	Electrical Power	(Page 30) The contractor shall make his own arrangement for water & electrical power for construction at his own cost and pay requisite electricity and water charges	Employer shall provide uninterrupted LT power supply for the construction at one point on chargeable basis at site. The contractor shall make necessary arrangements for distribution of the same.	As per Tender
15	Volume I - GCC	45.1-1.11, 51.3	Recovery for underutilization	Clause 45.1-1.11 (Page 32): In case quantity of cement used is less than quantity ascertained (after allowing variation on the minus side as per clause), the quantity of less cement used shall Be recovered @ 11,000/- (Rs. Eleven Thousand only) per MT Clause 51.3 (Page 41): In case of cement, if actual consumption is less than 98% of the theoretical consumption, a recovery shall be affected from the contractor's dues at the penal rate i.e. double the rate per bag. for the actual quantity which is lower than 98% of theoretical consumption.	Clause 45.1-1.11: Request for this clause to be removed Clause 51.3 (Request you to kindly consider the following changes in the clause): "In case of cement, if actual consumption is less than 98% of the theoretical consumption, a recovery shall be affected from the contractor's dues at the penal rate i.e. Rs. Eight per Kg. for the actual quantity which is lower than 98% of theoretical consumption."	As per Tender
16	Volume I - GCC	46.1 (Page 39)	Bill of Quantities	No item which is not considered in the bill of quantities shall be executed by the contractor without the approval of UPSIDC. In case any extra/substituted item is carried out without specific approval, the same will not be paid.	Request you to remove this clause as this is a Design-Build Tender.	As per Tender
17	Volume I - GCC	69.1 (Page 43)	Rate analysis for substitute and extra items		Request you to include the following in this clause: "If the rates for the altered, additional or substituted work cannot be determined using or are not available in DSR-2014, the same shall be determined using existing market rates of the item."	As per Tender
18	Volume I - GCC	69.1 (Page 44)	Rate analysis for substitute and extra items	But under no circumstances, the contractor shall suspend the work on the plea of non-settlement of rates of items falling under this clause.	Request you to include the following in this clause: "Rates of items shall be settled/approved within 30 days from the intimation/submission of the same by the contractor"	As per Tender
19	Volume I - GCC	72.1 (Page 48)	Compensation for delay and remedies	Total amount of compensation for delay to be paid under this condition shall not exceed 10% of the Tendered Value of work or of the tendered value of the item or group of items of work for which a separate period of completion is originally given.	Request you to limit the total amount of compensation to 5% of the Tendered Value of work in line with industry practice.	As per Tender
20	Volume I - GCC, Volume II - Financial Bid	Volume I - Clause 72.4.1 (Page 52), Volume II - Page No. 43	Compensation for delay	Volume I: The compensation for delay as per clause 72.1 shall be leviable at intermediate stages also, in case the required progress is not achieved to meet the above time deadlines of the completion period and progress chart.	Request you to kindly consider compensation for delay on overall project completion only	As per Tender
21	Volume I - GCC		Incentive for early completion		Request you to add clause providing for Incentive for early completion as provided by CPWD norms.	As per Tender
22	Volume I - GCC, Volume II - Financial Bid	Volume I - Clause 72.4.1 (Page 52), Volume II - Page No. 43	Physical progress	Volume I, Clause 72.4.1 (Page 52): "...further to ensure.... Before 3/4th of such time has elapsed" Volume II, Page 42: Titled "Table of Milestones"	As physical milestones have already been mentioned in Clause 72.4.1, request you to delete the Table of Milestones on Page 43, Volume II.	As per Tender-Table of Milestone at Page 43 Vol II will stand prevail with the amendments at Sl. No.1, the time allowed upto 6 months instead of upto 2 months, and clause No.72.4.1 Vol I stands deleted.
23	Volume I - GCC	74.0 (Page 54)	Defects Liability Period (DLP)	The contractor shall be responsible for the rectification of defects in the works for a period 24 months from the date of taking over of the works by the UPSIDC	Request modification of DLP to 12 months from the date of taking over of the works by the UPSIDC, in line with prevalent industry practice.	As per Tender
24	Volume II - Financial Bid	Bill of Quantity	Piling Tower Area & Piling Non Tower Area	Page No. 23: Sl No. 1 - Piling Tower Area & Sl No. 2 - Piling Non Tower Area	Request modification of description of the mentioned items as: Sl No. 1 - Piling/Raft/soil improvement Tower Area Sl No. 2 - Piling/Raft/soil improvement Non Tower Area	Foundation design for non Tower Area has to be designed by the bidder and has to be Vetted from IIT Kanpur/Delhi
25	Volume II - Financial Bid	Calculation of Area Sheet	Area calculation	Page No 26,27: "Built-up area means..... And domestic water supply purpose"	It is mentioned at Page No. 26 that area will be measured as per IS3861-2002. In view of this, request you to delete the paragraphs titled "Built-up area means" as this is contradictory. IS3861-2002 will prevail.	AS per IS 3861-2002 and any contradiction in the tender stands deleted.
26	Volume II - Financial Bid	Page No. 28-35	Payment Schedule	Payment stage against final handing over Page 30 - Clause IV Page 32 - Clause IV Page 33 - Clause IV Page 34 - Clause IV Page 35 - Clause IV	Request you to remove these clauses as similar provisions are provided in Page 43 (Volume II) and Clause 72.4.1 (Volume I)	As per Tender

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
27	Volume II - Financial Bid	Page No. 41	List of machinery, tools & plants	Minimum requirement of machinery, tools & plants	Request you to modify the requirements as mentioned below: 1. Hydraulic rig for piling - As per requirement 2. PLC Operated Batching Plant (30 Cum/Hr) - 1 No 3. Vibrator (Surface Type) - As per requirement 4. Hyd excavators/ Poclains/ JCB - As per requirement 5. Dumper/ tipper - As per requirement 6. Water tanker with sprinkler - Not required 7. Electric motor - Not required 8. Generator Set - 30/60/125 KVa - 1 No 9. Tractor with trolley - 1 No 10. Winch with building hoist - Not required 11. Cement storage shed of min 300MT capacity - Not required	As per Tender (if the Agency makes request for minimum requirement that can be approved by Engineer-in-Charge.
28	Volume II - Financial Bid	Page No. 43	Table of milestones	Table of milestones	1. In the referred table, column titled "time allowed in months (from date of start)", please clarify whether the withholding of amount shall begin from the starting month or after the completion of the final month of the corresponding range. 2. The following single value milestones are proposed: SI No. 1 - 3 months SI No. 2 - 12 months SI No. 3 - 18 months SI No. 4 - 23 months SI No. 5 - 25 months SI No. 6 - 26 months SI No. 7 - 36 months SI No. 8 - 26 months SI No. 9 - 36 months SI No. 10 - 36 months SI No. 11 - 36 months SI No. 12 - Request you to remove this milestone as LD provisions already exist for the same. (Single value milestone means the corresponding work will have to be completed on or before completion of that duration from the start of work.)	As per Tender Page No.43 Vol II.
29	Volume II - Financial Bid	Conditions (Page No. 3)	Change in architectural elevation	All architectural elements are shown in drawing presently. There may be slight change in architectural elevation afterwards due to any reason for which no claim what so ever shall be entertained.	Justifiable compensation will be claimable from client by the contractor if architectural modifications radically change the scope, concept and/or specifications	As per Tender
30	Volume III - Tender Drawings		Drawings	The following drawings have been issued as part of the tender: 1. Architectural drawings 2. Structural drawings 3. Plumbing drawings 4. Fire Fighting Drawings 5. Electrical drawings	As the scope of this tender is Engineering, Procurement & Construction, it is understood that the issued drawings except architectural drawings are provided only for information. The responsibility of design and generating Good For Construction drawings (Civil & MEP works) shall lie with the Contractor. Kindly confirm the same.	Drawings enclosed are only for General Guidance.
31	Volume III - Tender Drawings		Drawings in AutoCAD format	-	As the issued tender drawings are not readable, request you to issue soft copies of these drawings in AutoCAD format.	Auto Cad drawings provided during Pre-bid meeting.
TECHNICAL QUERIES - STRUCTURAL						
1	1. Volume II - Financial Bid 2. Volume III: Tender drawings	Specification for concrete work	Grade of reinforcement steel	As per Financial Bid (Page 36), TMT bars of grade Fe500D or Fe550D. As per drawings, grade of steel will be Fe500.	Please confirm grade of steel to be considered.	As per Tender Page No.36 Vol II TMT Bars of grade Fe 500D.
2	Volume II - Financial Bid	Terms & conditions	Fly ash	Page No 19, SI No.4: Mixing of flyash not permitted	Concrete containing Fly Ash is more durable as compared to OPC concrete mixtures. Request you to allow use of flyash in all concrete mixes as per latest IS codes. Mix design will be carried out by the contractor conforming IS 456, IS 10262 and SP 23 which shall be duly approved by authorized agency as mentioned in Clause 5, Page 18, Vol-II.	Fly Ash shall be permitted if other Govt. deptt. allows use of fly ash in concrete mix design as well as mix design shall be vetted from IIT Kanpur/Delhi
3	Volume II - Financial Bid	List of machinery, tools & plants	Tower crane	Page No 41, SI No.19: Tower crane 1.2MT@90m	50m boom tower cranes are required for this Project as per the Tender Drawings. Request revision to 1.2MT@50m.	As per Tender
4	Volume III -Technical Specifications, Volume I - GCC	Cement	Cement	Volume III: Page No 4, SI No.5: OPC confirming to IS269 Volume I: Clause 45.1-1.2, Page 31 : "The contractor shall procure 43 Grade Ordinary Portland Cement..."	Please confirm grade of cement to be considered.	As per Tender Clause 45.1.2 Page 31 Vol. I
5	Volume III -Technical Specifications, Volume I - GCC	Cement	Approved makes & grade for cement	Volume I: Clause 45.1-1.2, Page 31: Approved makes: ACC, JP, JK Lakshmi, Shree, Birla Uttam, Ambuja, Ultratech (OPC 43 Grade) Volume III: Page No 4, SI No. 5: Approved makes - L&T, Vikram, Birla, Ambuja, ACC, JP, Sri, Lafarge (OPC 33 Grade)	Approved makes and cement grade as per Volume I will be adopted. Kindly confirm	As per Tender Clause 45.1.2 Page 31 Vol I and make "Shree" is to be deleted.
6	Volume I - GCC Volume III -Technical Specifications	Vol I - 45.1.2(a), Page 33 Volume III - Page 4	Approved makes for reinforcement steel	Volume I - "The contractor shall procure steel reinforcement of TMT bars conforming to relevant BIS codes directly from the main producers, ie SAIL, Tata, RINL, JSW, JSPL" Page No 4, SI No. 7: Approved makes - Tata, SAIL, RINL	Approved makes as per Volume I will be adopted. Kindly confirm	As per Tender Page No.4 SI. No.7 Vol III

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
7	Volume III -Technical Specifications	Structural steel	Approved makes for structural steel	Page No 4, SI No. 7: Approved makes - Tata, SAIL, RINL	Request you to include JSW & JSPL in approved makes	As per Tender Page No.4 SI. No.7 Vol III
8	Volume III -Technical Specifications	Anti termite treatment	Chemical for ATT	Page No 4, SI No. 1b: No approved make provided for Chlorpyrifos	Please provide approved makes for Chlorpyrifos	Anti Termite Treatment not to be executed.
9	Volume III -Technical Specifications	Waterproofing compound	Approved makes for waterproofing compound	Page No 4, SI No. 2: Approved makes - MC Bauchemie, Accoproof, Cico, Fosroc	Request you to include Sika in approved makes	As per Tender
10	Volume I - GCC	45.1-2.0 (d), Page 33	Anticorrosive treatment for reinforcement	Anti-corrosive treatment for reinforcement bars as per CECRI (Central Electro Chemical Research Institute) including applying two course of two cement slurry mixed with inhibitor solution by Dipping, brushing all complete as per specification and direction by Engineer-in-charge. Nothing shall be paid extra on this account.	As per Clause 5.3.3 of IS9077-1979, protective coating of reinforcement bars is advised for marine atmospheres or for structures in contact with sea water. Unless the structure is subject to aggressive environments, measures like good quality of concrete with adequate cover to reinforcement and proper storage shall prevent corrosion to steel. Thus, request waiver of requirement for anti-corrosive treatment to steel.	Kindly consider this clause as Deleted
11	Volume II - Financial Bid	10b (Page 8)	Waterproofing for basements	Chemical injection grouting method waterproofing for basement.	1. Chemical injection waterproofing is not possible for a raft of thickness in the range of 1800mm (as shown in tender drawing). 2. Chemical injection waterproofing will not effective for the basement floor because of the presence of pile caps. Kindly clarify.	As per Tender
12	Volume III -Technical Specifications	Page 2	Waterproofing for horizontal & vertical surface of basements	Note 1: "... 25mm dia GI nozzle upto minimum 1/4 thickness of raft or 40mm, whichever is more, fixed in the raft at 1.5m c/c" Note 2: "... 25mm dia GI nozzle upto minimum 1/4 thickness of wall or 40mm, whichever is more, fixed in the wall at 1.5m c/c"	Use of nozzle at 1.5m c/c grid is not desirable. Grouting can be done at construction joint/ expansion joint locations. Kindly confirm.	As per Tender
13	Volume III -Technical Specifications	Page 2	Waterproofing for vertical surface of basements	Note 1: "... 25mm dia GI nozzle upto minimum 1/4 thickness of wall or 40mm, whichever is more, fixed in the wall at 1.5m c/c"	Use of nozzle at 1.5m c/c grid is not desirable. Grouting can be done at construction joint/ expansion joint locations. Kindly confirm.	As per Tender
14	Volume I - Instruction to Tenderers	12.0	Detailed architectural drawings	The drawings with the tender documents are concept architectural drawings. These drawings for double basement + stilt + 29/30 Upper floors, however detailed architectural drawings shall be provided as and when required	Any change in detailed architectural drawings with respect to tender drawings shall be subject to equitable compensation with respect to time and cost.	As per Tender
15	Volume III -Tender Drawings	Drawings	Connecting pergolas	Dwg Ref 14008A/SIG-CITY-C3/GH/TEN/SITE PLAN/ A-SP01 (R0)	Request you to provide the following details for connecting pergolas: 1. Detailed drawings for the pergolas 2. Intended level of the pergolas 3. Design load to be considered for the pergolas	Detailed drawing to be submitted by Bidder.
16	Volume II - Financial Bid	10a	Waterproofing works	Page No 8, SI No.10a: Section titled "All terraces and other places"	Request you to provide the areas which are covered under "other places"	Brick caba treatment to be done at terrace only.
17	Volume II - Financial Bid		Waterproofing works for toilet sunk of depth 50mm		50mm sunk is proposed for EWC. Bitumen waterproofing is proposed for the same.. Kindly confirm.	As per Tender
18	Volume II - Financial Bid		Waterproofing works for toilet with IWC		450mm sunk is proposed for IWC. The waterproofing system for the same shall be crystalline coating. Please confirm the same.	450 mm to be provided for Indian Type W.C.
TECHNICAL QUERIES - ARCHITECTURE						
1	Volume II - Financial Bid	Apron	Apron around building	Page No 7, SI No.6f: Titled "Apron around building".	Request you to provide the specifications of the flooring at apron.	As per Tender Page 7 Vol II
2	Volume II - Financial Bid	Cement putty	Cement putty	Page No 9, SI No.11b: All plastered surface to be providing and applying white cement based putty of average thickness 1mm	Cement putty of average thickness 1mm is not feasible at site. Request revising average thickness to 3mm	2mm thick cement putty & plastering over RCC surfaces in not required.
3	Volume II - Financial Bid	False ceiling	False ceiling	Page No 9, SI No.11g: Ceiling in flats in toilet, kitchen	1. False ceiling is not required in toilets with IWC of 450mm sunk. Request removal of false ceiling in IWC toilets. False ceiling shall be provided only in the 2nd toilet provided with EWC. 2. Kitchen is provided with 40mm sunk (as Per Clause 6b, Page 6, Vol-II). Hence request removal of false ceiling in kitchen.	False Ceiling to be provided in Kitchen. European type WC.
4	Volume II - Financial Bid	False ceiling	False ceiling	Page No 9, SI No.11g: Ceiling in flats in toilet, kitchen	It is proposed to use gypsum false ceiling in toilet with EWC. Kindly confirm.	As per Tender
5	Volume II - Financial Bid	Sky light covering	Sky light covering	Page No 9, SI No.11h: Skylight covering with 10mm thick multiwall of approved shape...	Polycarbonate sheet is considered only for skylight area. Kindly confirm.	As per Tender
6	Volume III -Technical Specifications	Floor springs	Floor springs for aluminium doors	Page No 5, SI No. 29: Approved makes - ECIE Everite, Prabhat, Doorking	Request you to include Dorma in approved makes	As per Tender. Dorma make is accepted additionally.
7	Volume III -Technical Specifications	Fire rated doors	Approved makes for fire rated doors	Page No 6, SI No. 36: Approved makes - Shakti Metal Door (Guardian), Promat, Navair	Request you to include Shakti Hormann and Signum in approved makes	As per Tender.
8	Volume -III, Technical specification and drawings		Fire doors for Service shafts / Ducts	Fire doors for Service shafts / Ducts	All service shafts /ducts shall be provided with fire rated doors as per NBC Part IV 2005.Shaft doors will be with vision panels. Please confirm.	As per latest amendment of NBC
9	Volume II - Financial Bid	2c (Page 5)	Marble on Ledge Walls	Ledge wall shall be provided in the toilets for concealing PHE pipes and accessories	18mm thick marble with half round coving shall be provided on top of the ledge walls. Kindly confirm.	As per Tender.
10	Volume -III, Technical specification and drawings		Aluminium windows	Specification of aluminium windows	Please provide the specification of aluminium windows, namely openable (top, side, bottom hung), sliding, casement	As per Tender.
11	Volume II - Financial Bid	3a (Page 5) & 3b, 4a, 4b (Page 6)	Doors & windows for club, commercial and shopping	Door window frames, door shutters	Kindly confirm if the door details provided in the mentioned clauses are applicable to the doors of club, commercial & shopping. If not, please provide us with the door specification for these buildings.	As per Tender.

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
12	Volume II - Financial Bid	11m (Page 10)	Cornice size	75X75mm POP cornice to be provided for concealing the sprinkler pipe on walls etc all complete	Size of 75X75mm will not be suitable for concealing the sprinkler pipes. 1. Cornice size of 250X250mm is proposed for corridors. 2. Cornice size of 150X150mm is proposed inside the flats (living, Bed rooms and kitchen). Kindly confirm.	As per detailed design submitted by Bidders subject to prior approval of the Engineer-in-Charge.
13	Volume -III, Technical specification and drawings		Door detail	1. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/1BHK/A-ELE01 (R0) 2. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/1BHK/A-FP01 (R0)	Dwg Ref 2 - Door Schedule - Height of door D2A is shown as (2100+450). This does not match with elevation of this door shown in Dwg Ref 1. Kindly clarify.	Drawing Ref 2 - Door schedule to be followed.
14	Volume -III, Technical specification and drawings		Window detail	1. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/1BHK/A-ELE01 (R0) 2. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/1BHK/A-FP01 (R0)	Dwg Ref 2 - Door Schedule - Height of window W1 is shown as (900+450) and Height of window W2 is shown as (1200+450). This does not match with elevation of these windows shown in Dwg Ref 1. Kindly clarify.	Drawing Ref 2 - Door schedule to be followed.
15	Volume -III, Technical specification and drawings		Door detail	1. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/2BHK/A-ELE01 (R0) 2. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/2BHK/A-FP01 (R0)	Dwg Ref 2 - Door Schedule - Height of door D2A is shown as (2100+450). This does not match with elevation of this door shown in Dwg Ref 1. Kindly clarify.	Drawing Ref 2 - Door schedule to be followed.
16	Volume -III, Technical specification and drawings		Window detail	1. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/2BHK/A-ELE01 (R0) 2. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/2BHK/A-FP01 (R0)	Dwg Ref 2 - Door Schedule - Height of window W1 is shown as (900+450) and Height of window W2 is shown as (1200+450). This does not match with elevation of these windows shown in Dwg Ref 1. Kindly clarify.	Drawing Ref 2 - Door schedule to be followed.
17	1. Volume II - Financial Bid 2. Volume III - Technical Specs & Drawings	8b (Page 8)	Balcony Railing detail	As per Volume II, Clause 8b: "MS railing made up of 25mm sqm tube 14 gauge and standard D section and 2 rows of 30X4mm MS flat required as per drawing"	This description does not match the railing detail shown in the following drawings: 1. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/2BHK/A-ELE01 (R0) 2. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/2BHK/A-SEC01 (R0) 3. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/1BHK/A-ELE01 (R0) 4. Dwg Ref 14008A/SIG.CITY-C3/GH/TEN/1BHK/A-SEC01 (R0) We shall follow Volume II, please confirm.	As per detailed drawing enclosed with Tender.
18	Volume II - Financial Bid	11g (Page 9)	Paint on false ceiling	"... finally paint with 2 or more coats of acrylic emulsion paint of approved quality over primer"	As per the brochure of the prescribed false ceiling system, the false ceiling tiles will be pre-painted and painting will not be done by the contractor. Please confirm.	As per Tender
19	Volume I - GCC	52.2 (Page 41)	Sample flat	"As soon as the structure is completed upto 3rd floor, the contractor shall complete a sample flat of each category with all required fittings, fixtures and finishes approved by the EIC"	There is no Type B or Type D flat upto 3rd floor in any tower. It is understood that sample flats shall be constructed only for Type A and Type C flats. Kindly clarify.	Sample Flats to be prepared for all Type of Flats i.e. A, B, C & D shall be constructed at First Level of Floor.
20	General	-	Flooring	-	IPS flooring shall be considered at the following locations: 1. Pump room in basement 2. ESS 3. Lift Machine Room Please confirm	Accepted.
TECHNICAL QUERIES - PUBLIC HEATH ENGINEERING						
1	Volume II - Financial Bid	Tender Volume II - Page No. 8 & page No(45-48)	Toilet sunk		In Plumbing fixtures, IWC is mentioned for which 450mm sunk is required instead of 50mm and false ceiling will not be required. Kindly confirm	Please refer Point No.18, under Technical Queries - Structure.
2	Volume II - Financial Bid	Scope of Work & technical Specification	Cistern size for EWC	Page-14, Sl. No. 17b: "... including 10 litre capacity low level cistern of approved make" Page-44, 45, 46, 47: "Floor mounted EWC with Low Level PVC 3/6 litres flushing cistern"	Please confirm required capacity of cistern	As per Tender page No.44, 45, 46 & 47, Vol II
3	1. Volume II - Financial Bid 2. Volume III: Tender drawings	Plumbing fitting schedule Volume No:II(Page NO:44-47) & Volume No:III Plumbing specifications(Page No:13-14)			Kindly confirm fitting schedule shall be as per Volume II . Plumbing fitting schedule.	As per Tender Page 44 & 47, Vol - II.
4	Volume II - Financial Bid	Tender Volume II	UPVC gully trap	UPVC gully trap - no scope	Contractor shall not consider gully traps as part of PHE Scope, as per PHE exclusion list in Volume II. It is therefore understood that gully trap in not in our scope.	As per Tender.
5	Volume II - Financial Bid	Tender Volume II	Garbage chute	No garbage chute - given in area exclusion	As per drawing and scope work, garbage chute is not required for PHE Scope. However in area calculations norms in Tender Volume II, garbage chutes are mentioned. Garbage chutes thus shall not be part of tender. Kindly confirm.	Garbage chute is not in the scope of bidder.
6	Volume III: Tender drawings	Volume III drawings	U.G sump capacity & Per capita water demand		Kindly confirm whether 135 Lpcd can be considered as per capita water demand. Also kindly confirm whether 70% of total water requirement can be considered as storage in UG sump (raw+ treated) and 30% storage in OHT.	As per Tender.

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
7	1. Volume III -Technical Specifications 2. Volume II - Financial Bid	1. Volume II - Page 44 to 47 2. Volume III - Page 102 to 103	Mismatching specifications	The following major discrepancies are noted: 1. Volume II mentions EWC with PVC cistern while Volume III mentions EWC with ceramic cistern. 2. Volume II mentions IWC with PVC cistern while Volume III mentions IWC with exposed or concealed type flush valve. 3. Volume II mentions 2-in-1 wall mixer while Volume III mentions single level shower mixer. 4. Volume II mentions size of mirror as 453X357 while Volume III mentions mentions size of mirror as 600X450 5. Volume II mentions towel ring and soap dish as accesories while Volume III mentions mentions towel rods, toilet paper holder, soap dish, towel rack, coat hooks etc. 6. Volume II mentions PTMT accessories while Volume III mentions that all CP accessories shall be fixed with CP brass crews.	Request you to make the relevant revisions in Volume III in line with Volume II	As per Tender refer Vol II
8	1. Volume II - Financial Bid 2. Volume III: Tender drawings	Dwg Ref. 14008A/TR.CITY-C3/GH/TEN/2BHK/P-WSD01 (R0)	Zoning for Piping		As per IS 12183 (Clause 7.3 & 7.4), zoning shall be considered for water supply lines for high rise building, But in PHE tender drawings, the same is not shown. Kindly confirm if single downtake is to be considered as per drawing or zoning to be considered.	As per IS 12183 Clause No.7.3 & 7.4.
9	1. Volume II - Financial Bid 2. Volume III: Tender drawings	Dwg Ref. 14008A/TR.CITY-C3/GH/TEN/2BHK/P-WSD01 (R0)	Solar Piping		As per Volume II, solar piping is not required. However, solar piping is shown in the tender drawings. Kindly clarify.	As per drawing enclosed with Tender.
10	Volume III: Tender drawings	Dwg Ref. 14008A/TR.CITY-C3/GH/TEN/2BHK/P-WSC01 (R0)	Booster pumps		1. Kindly confirm if booster pumps at terraces are included in or excluded from the present scope. 2. Kindly clarify the requirement of puddle flanges, vent pipes and other accessories in OHTs.	i. Booster Panels are not included in the scope of bidder. ii. Puddle flanges, Vent pipe and Other accessories are in the scope of Bidder.
11	Volume II - Financial Bid		Requirement of rungs		Rungs are required UG sump and OHT. Kindly confirm the same.	Rungs in U.G. Sump & OHT are in the scope of bidder.
12	Volume II - Financial Bid		Requirement of CP gratings in balconies		Please confirm if CP gratings are required in the balconies.	C P Grating is in the scope of Bidder.
13	Volume III - Tender drawings	1. Dwg Ref. 14008A/SIG.CITY-C3/GH/TEN/1BHK/P-FP01 (R0) 2. Dwg Ref. 14008A/SIG.CITY-C3/GH/TEN/2BHK/P-FP01 (R0)	Working platforms for MEP lines on external face of building	Dwg Ref. 1: External water supply lines for PHE are not placed inside shafts at external faces of 1BHK building (typical location Grid 10-20/J-H) and skylight areas (typical location Grid 100-120/J-H). Dwg Ref. 2: External lines for PHE are not placed inside shafts at external faces of 2BHK building (typical location Grid 10-20/M-L) and skylight areas (typical location Grid 70-90/M-J).	As per the tender drawings, these pipes are not accessible for repair and maintenance purpose. The access needs to be safe for maintenance personnel. External working platforms are thus required at every level at locations where service lines are not accessible. For 1BHK, number of platforms = 18X29=522 For 2BHK, number of platforms = 2X24X30=1440 Thus, a total of 1962 platforms will be required for the Project. Kindly confirm this requirement.	Working platform for MEP services are in the scope of bidder
14	Volume III - Tender drawings	Page No:141Plumbing drawing Typical water supply scheme drawing			Kindly confirm the minimum pressure requirement for showers to finalize the no of Pressure reducing valves	In accordance with IS.
15	Volume III - Tender drawings	Page No:141Plumbing drawing Typical water supply scheme drawing			Kindly confirm the requirement of motorized valve with level controller for pump automation. Kindly confirm same is part of scope or can be part of separate package where pumps are included	Pumps are not included in scope of Bidder.
16	Volume II & Volume III	Plumbing specifications			Kindly confirm all pipe specification shall be as per Volume II.	As per Vol II
17	Volume II & Volume III 3.11	uPVC Pipes within toilet Waste pipe from Appliances GI pipes.			Kindly confirm uPVC pipes can be considered as per Volume II	As per Vol II
TECHNICAL QUERIES - ELECTRICAL						
1	Volume II - Financial Bid		Abstract of work for Electrical works	Abstract of work is not provided for Electrical Works in Volume II of tender.	Request you to provide the abstract of work for electrical works, along with scope exclusions.	As per Tender

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
2	Tender Vol 3 Technical Spec. - 2.0 SCOPE OF WORK AND GENERAL INSTRUCTIONS,	Page No 122	Scope of Work and general instructions	The scope of work under this specification shall include supply, loading and unloading storage, erection, testing & commissioning of all items as mentioned in the schedule of requirements, technical specification & drawings for complete electrification work including labour, tools, tackles and plants including supply of hardware consumables and steel fabrication etc. as required.	As per scope of works, schedule of requirement, general instructions, drawings & technical specifications, the following is understood to be excluded from the scope of work: 1) Supply, laying of HT cable from main substation to premises 2) Supply, installation, testing and commissioning of HT /RMU panels,earthing 3) Supply, installation, testing and commissioning of Power and Distribution transformers and earthing 4) Supply, installation, testing and commissioning Main LT panels (In transformer Yard),Transformer yard to tower LT panels 5) Supply, installation and commissioning of Cable tray for LT cables from Transformer yard to tower LT panels,Cable trays for ELV cables.. 6) Supply, installation, testing and commissioning of Tower LT panels,utility panel,Rising main , floor metering panel & tap off box. 7) Supply of safety equipment's in transformer and electrical rooms 8) Supply, installation, testing and commissioning of DG set with AMF panel,emergency panel,earthing 9) TV Splitter, Tap off box and intermediate equipment's and cabling from outside premises to communication room (or terrace to communication room) and cabling from communication room to each floor TV junction box.	As per Tender
3	Tender Vol 3 Technical Spec. - 2.0 SCOPE OF WORK AND GENERAL INSTRUCTIONS,	Page No 122	Scope of Work and general instructions	The scope of work under this specification shall include supply, loading and unloading storage, erection, testing & commissioning of all items as mentioned in the schedule of requirements, technical specification & drawings for complete electrification work including labour, tools, tackles and plants including supply of hardware consumables and steel fabrication etc. as required.	As per scope of works, schedule of requirement, general instructions, drawings & technical specifications, the following is understood to be excluded from the scope of work: 1) Cabling from outside premises to communication room for telephone system. 2) Supply, fixing, testing and commissioning of External Street lighting, Solar Street lighting, landscape lighting and its related panels and cabling. 3) Supply, installation, testing and commissioning of HVAC, PHE & FPS related panel, cabling with allied items. 4) Supply, installation and commissioning of Lifts and Lift panels and related cables, Diesel storage tank , energy meters,APFC (Automatic power factor correction). 5) Supply, fixing, testing and commissioning Internal flats electrical light fixtures, ceiling fans, exhaust fans, Split/window A.C, geysers, CATV dish antenna, telephone points etc. 6) DG flat back up for flats 7) Statutory fee or deposits for obtaining telephone / CATV connection from outside agency / service provider,electricity board,CEIG,PCB. 8)Laisoning work to obtain power supply. 9) Approval from CEIG & PCB.	As per Tender
4	Tender Vol III Drawings	Page no.258 & 261	Rising main with Metering panel	As per typical floor electrical shaft drawings, Rising mains with floor metering panels are provided	1. But as per schedule of requirements, Rising main and floor metering specification are not provided. Therefore, it is understood that rising mains and floor metering panels are excluded from the scope of work. Kindly confirm. 2. Since metering panels are not in contractor's scope of works, please provide the DG backup scheme for understanding the system requirements.	Rising Main is not in the scope of Bidder.
5	Tender Vol III Drawings	Page no.253 - 264 ; Pg 35	Utility panel	Utility panel are not provided in the drawing. But as per Tender Vol 2 (Payment schedule), LT control panel/Bus bar is mentioned.	Request you to kindly remove the provision for payment of LT control panel / bus bar and adjust in other item heads in electrical payment schedule.	Utility panels are not in the scope of Bidders, accordingly payment schedule for the LT Control / Bus Bar stands deleted.
6	Tender Vol 2, Financial bid, Terms and conditions	Page no.18, SI No-2	Scope of works	Rate must be quoted per sqmt on the area measured in BOQ for double basement + stilt + 29/30 upper floor upto first manhole of block from building line and up to distribution board for internal electrification.	Since Electrical Scope starts from shaft to internal flat (Excluding the Rising main and floor metering panel). Kindly modify the tender condition to " shaft to internal flat for internal electrification excluding rising mains and floor metering panel".	Refer Point No.4 above and Shaft to Internal Flat for internal electrification are in the scope of Bidder.
7	Tender Vol 3 Technical Spec.Internal electrification, schedule of requirements, 2.1) details of works, (b) services	Page no.122, SI No-2.1 (b)	earthing	The scope of work shall also include all minor civil works associated with earthing	As per scope of works and general instructions & technical specifications, there is no specification in schedule of requirements for Internal utility panel & Lift earthing. Request you to kindly remove this requirement from electrical scope of works	Earthing is in the Scope of Bidder as per CPWD specification.
8	Tender Vol 3 Technical Spec.Internal electrification, schedule of requirements	Page No 158, SI No - 4	Internal Wiring	Wiring for Light/power plug with 4x4sqmm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit along with 2 nos 4sqmm FRLS PVC insulated copper conductor single core cable for loop earthing as required	Since 3 Phase supply equipment is not required inside flats, requirement of 4x4 sqmm wire specification is not required for the tender scope of works. Request you to kindly remove this requirement from electrical scope of works	Earthing is in the Scope of Bidder as per CPWD specification.
9	Volume II - Financial Bid	Page no. 48-52	Ceiling Fans in Flats	Sheets titled "Electrical Inventory Sheet"	Ceiling fans in flats shall not be in Contractor's scope. Kindly confirm the same.	Ceiling fans in flat are not in the scope of Bidder.

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
10	General				4 Nos of panel rooms are required in each tower (Total 12 rooms). The same is not shown in the tender drawings. Please confirm.	Panel rooms as required in the scope of Bidder and shall be designed by the bidder
11	Tender Vol 2	Page No 19, SI No - 11	Free of cost B&L form	In tender Vol-2 mentioned Contractor will have to issue free of cost B & L form in duplicate for individual flats for getting electrical connection from UPSEB or other agency.	Kindly confirm, whether contractor have to issue free of cost B&L form for individual flats for getting electrical connection from UPSEB. B&L forms are generally issued by the Client.	Cost of B & L (Bereavery & Load) I is in the scope of Bidder.
12	Volume II - Financial Bid Volume III - Tender drawings	Volume II: Page 48-52 Volume III: Page 255-264	Inventory schedule		There is a mismtach between the scope of fittings as per the mentioned sections of Volume II & Volume III. We are proceeding as per the inventory sheet in Volume II. Kindly confirm.	As per Vol II
13	Volume -III, Technical Specification and drawings	Clause no:3.9, Page no: 134	Smoke detectors & control module	Clause 3.9 titled"Fire Alarm System (Hybrid)"	In Hybrid fire alarm system, 1. Conventional type detectors are proposed inside the flats & Addressable detectors are proposed only in corridors, community building, shopping centre & basement floors. But as per technical specification and Schedule of Requirement (Page 162, Volume III) only conventional type detectors are proposed for all areas. 2. Additional zone control/ monitor module shall be required for the addressable detectors. The same has not been factored in the Schedule of Requirement (Page 162, Volume III) Please clarify.	As per Tender
14	Volume -III, Technical Specification and drawings	Page no: 162	End of line resistors	-	End of line resistor is required for conventional zone inside the flats as per IS 2189.But the same is not factored in the schedule of requirement. Please confirm to proceed further.	As per IS 2189
15	Volume -III, Technical Specification and drawings	Page no: 162	Intelligent fire alarm system	Intelligent fire alarm system	The following are required for a Hybrid Fire Alarm System: 1. Addressable type multicriteria detector 2. Short circuit isolator module 3. Response Indicator 4. Addressable type beam detectors (for large height areas like ESS, STP, Community Area) The same are not factored in the Schedule of Requirements (Volume III, Page 163). Please confirm	As per IS 2189
16	Volume -III, Technical Specification and drawings	Page no: 162	PVC and MS conduits for fire alarm cables	Intelligent fire alarm system	PVC conduits shall be proposed, wherever fire detection and alarm cabling is concealed conduit type and MS conduit is proposed, wherever fire detection and alarm cabling is open conduit type. But the same is not factored in schedule of requirement. Please confirm to proceed further.	In concealed Conduit PVC Pipe and in surface conduit MS Pipe.
17	Volume -III, Technical Specification and drawings	Page no: 163	Control module for talk back system	Talk back system	Control module with accessories is required for the talk back system. The same has not been factored into the Schedule of Requirements (Volume III, Page 163-164). Please clarify.	Control module with accessories is in the scope of bidder.
18	Volume -III, Technical Specification and drawings	Page no: 163	PVC and MS conduits for talk back system cables	Talk back system	PVC conduits shall be proposed, wherever talk back system cabling is concealed conduit type and MS conduit is proposed, wherever talk back system cabling is open conduit type. But the same is not factored in schedule of requirement. Please confirm to proceed further.	Please refer Point No.16, above
19	Volume II - Financial Bid	20 (Page 15)	Electrical Rooms	4 Nos of electrical rooms are required in each tower at stilt level (Total 12 Nos) for rising mains.	6 rooms will be required (2 for each tower). Kindly confirm.	As per Design
TECHNICAL QUERIES - FIRE PROTECTION SYSTEM						
1	Volume -III, Technical specification and drawings	Page no: 153,154,155,156,158,159,161 & 163	Staircase enclosure	Typical floor plan , Stilt floor plan& Basement floor plan - 14008A/SIG.CITY/C3/GH/TEN/ 1BHK/F- FP01 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- FP01, 14008A/SIG.CITY/C3/GH/TEN/ 1BHK/F- FP00 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- FP00 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- BP01 & BP02 and Community and Shopping center.	All the staircases are shown as open type for all the towers. But the same needs to be enclosed type with 2 hours fire rated wall and 1 hour fire rated door as per NBC part IV 2005 requirement. Kindly confirm whether design shall be as per NBC or as per tender drawings.	As per latest amendements of NBC
2	Volume -III, Technical specification and drawings	Page no: 153,154,155,156,158,159,161 & 163	Fire doors for Service shafts / Ducts	Typical floor plan , Stilt floor plan& Basement floor plan - 14008A/SIG.CITY/C3/GH/TEN/ 1BHK/F- FP01 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- FP01, 14008A/SIG.CITY/C3/GH/TEN/ 1BHK/F- FP00 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- FP00 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- BP01 & BP02 and Community and Shopping center.	All Electrical,ELV & Fire shafts shall be provided with fire rated doors as per NBC Part IV 2005.Please confirm.	As per latest amendements of NBC
3	Volume -III, Technical specification and drawings	Page no: 151	Set back	Site plan - 14008A/TR.CITY/C3/GH/TEN/Site plan /A-SP01	As per Local bye law (UP building bye law), Minimum set back of 15m needs to be provided all around the building for the building height exceeds 50m. But the same is not maintained in Block B (T2 & T3). Please clarify.	As per site Plan

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
4	Volume -III, Technical specification and drawings	Page no: 161 & 163	Travel distance	Community building 2 & Shopping center - 14008A/TR.CITY/C3/GH/TEN/CO.B.-2/A - TR01	Travel distance to the fire exit is exceeding 30M against NBC requirement in Shopping center. Please confirm to proceed.	As per drawing enclosed with Tender.
5	Volume -III, Technical specification and drawings	Drg. Page no: 152	Fire pumping system	Drg.no: Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F-P & ID	As per tender drawings, 2 set of pumping arrangements are proposed for entire phase. But as per latest amendment no: 2 of NBC Part IV 2005 . 1 set of pumps shall be provided for each 100 hydrants (In our case exceeds Approx. 250 Nos) .Hence 3 set of pumping arrangements are required for entire phase. Please confirm to proceed with tender drawings or NBC requirement.	As per latest Amendements of NBC
6	Volume -III, Technical specification and drawings	Drg. Page no: 152	Terrace level fire water tank and pump	Drg.no:Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F-P & ID	Terrace level fire water tank of capacity 15 Cu.m and 900 lpm pumping arrangement is required for community building 1 as per table 23 of NBC part IV 2005. But the same is not proposed in the tender drawings. Please clarify if we can proceed as per NBC norms.	As per latest Amendements of NBC
7	Volume -III, Technical specification and drawings	Page no: 152	Terrace level fire water tank and pump	Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F-P & ID	Terrace level fire water tank of capacity 25Cu.m and 900 lpm pumping arrangement is required for community building 2 & Shopping building as per table 23 of NBC part IV 2005. But the same is not proposed in the tender drawings. Please clarify if we can proceed as per NBC norms.	As per latest Amendements of NBC
8	Volume -III, Technical Specification and drawings	Drg. Page no: 153 & 154	Water curtain system - pumping arrangement	Drg.no: Basement floor plan - 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- BP01 & BP02	Dedicated pump is required for water curtain system with water demand for water curtain nozzles for 60 min considering the single largest size of compartment as per latest amendment 2 of NBC .But as per the tender drawing, Tapping is taken from the basement ceiling sprinkler main to connect the water curtain system at respective zone. Please confirm to proceed as per NBC or tender drawings.	As per latest Amendements of NBC
9	Volume -III, Technical Specification and drawings	Drg. Page no: 152	Fire pump room 2	Drg.no: Basement 2 - 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- BP02	As per tender drawings, no recirculation between fire water sump and domestic water sump in pump room 2 has been provided. Kindly confirm, if contractor can follow the tender drawings or any recirculation has to be provided.	As per Design to be submitted by the Bidder
10	Volume -III, Technical specification and drawings	Dwg Ref 14008A/ SIG CITY/C3/GH/TEN/F-BP01 (R1)	Specification for water curtain system	P & ID for water curtain system	We are proceeding with compartmentation for every 3000 sq.m with G.I piping only for water curtain system.Please confirm. Kindly provide P&ID for water curtain system.	As per Design to be submitted by the Bidder
11	Volume -III, Technical Specification and drawings	Specifications, Clause no:27, Page no: 84	Valves and accessories -Inspection and testing schedule	Body test at 1.5 times PN with valve open sheet at pressure equal to PN (With valve closed)	As per tender specification, the pressure rating of valves & its accessories are proposed as PN 16 and same is not sufficient to withstand the system pressure. Since the system pressure is 14.5 bar, so all valves & its accessories should be able to withstand atleast a pressure of 150% of the maximum working pressure, as prescribed by IS15105-2002. Hence PN 24 valves (cast steel) & its accessories will be required to withstand the system pressure wherever applicable. The major fittings and accessories required with PN24 rating are as follows: 1. Butterfly valves 2. Sluice valves 3. Non Return Valves 4. Ball Valves (SS) Please confirm to proceed further.	As per Design to be submitted by the Bidder
12	Volume -III, Technical Specification and drawings	Drg. Page no: 152	Fire pump room 1 & 2	Drg.no: Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F-P & ID	Butterfly valve is not recommended to install the suction and delivery side of the pumps as it create turbulence in suction side and cannot attain perfect shutoff when closing the valves. So Sluice valve is better option inside the pump room. Please confirm to proceed further.	As per Design to be submitted by the Bidder
13	Volume -III, Technical Specification and drawings	Drg. Page no: 152	Isolation valve for basket type strainer and Fire pump test line	Drg.no: Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F-P & ID	We are considering the isolation valve before and after the basket strainer.Please confirm.	As per Design to be submitted by the Bidder
14	Volume -III, Technical Specification and drawings	Drg. Page no: 152	Fire pump room 1 & 2	Drg.no: Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F-P & ID	Common delivery header size is required as 250mm for 2 main pumps running condition instead of 200mm as shown in the layout (Within pump room only).Please confirm	As per Design to be submitted by the Bidder
15	Volume -III, Technical Specification and drawings	Clause no:11, Page no: 94 and 152	Fire brigade inlet connection	The contractor shall provide as shown on drawing stainless steel four ways collecting head with 63mm dia instantaneous type inlets with built in check valve and 100/150 mm dia. Outlet connection to the fire main grid and for tank filling, collecting head shall conform to IS: 904-1965.	4 way Fire brigade inlet connection alongwith dial type pressure guage and other accessories is required for each wet riser as well as the sprinkler system as per IS 3844 & 15105. But the same is not mentioned in technical specification and drawings. Please confirm if 4 way fire brigade inlet connection has to be considered for every riser.	As per Design to be submitted by the Bidder
16	Volume -III, Technical specification and drawings	Drawing ,Page no: 161 & 163,152	Internal hydrants - Community,shopping and club house building	Drg.no: 14008A/SIG.CITY/C3/GH/TEN/ SHOP/F-FP00-FP011 Community building + Shopping and 14008A/SIG.CITY/C3/GH/TEN/ CLUB/ F-FP00-TR01 Club house building and Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F/P & ID	Single headed hydrant valve is proposed for community 1 & 2 and shopping building.Please confirm to proceed as per NBC.	As per Design to be submitted by the Bidder
17	Volume -III, Technical specification and drawings	Drawing ,Page no: 161 & 163	Fire hose -Community,shopping and club house building	Drg.no: 14008A/SIG.CITY/C3/GH/TEN/ SHOP/F-FP00-FP011 Community building + Shopping and 14008A/SIG.CITY/C3/GH/TEN/ CLUB/ F-FP00-TR01 Club house building and Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F/P & ID	Refer above Sl.no: 16, 2 Nos of fire hose is sufficient instead of 4 Nos of fire hose has been proposed for each internal hydrant for community building 1 & 2 and Shopping building. Please confirm to proceed as per NBC.	As per Design to be submitted by the Bidder
18	Volume -III, Technical specification and drawings	Drawing ,Page no: 161 & 163	Branch pipe with Nozzle - Community,shopping and club house building	Drg.no: 14008A/SIG.CITY/C3/GH/TEN/ SHOP/F-FP00-FP011 Community building + Shopping and 14008A/SIG.CITY/C3/GH/TEN/ CLUB/ F-FP00-TR01 Club house building and Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F/P & ID	Refer above Sl.no: 16, 1 No. of branch pipe with nozzle is sufficient instead of 2 Nos of Branch pipe with nozzle has been proposed for each internal hydrant of community building 1 & 2 and Shopping building. Please confirm to proceed as per NBC.	As per Design to be submitted by the Bidder

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
19	Volume -III, Technical specification and drawings	Drg and spec no: Clause no: 7.2,Page no:94 and 152	Individual shut off valves for each hydrant outlet (Internal & External hydrants)	Drg.no: Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F-P & ID and specifications, Contractor shall provide on each landing and other locations as shown on the drawings one single headed stainless steel landing valve with 63mm dia outlets and 80mm inlet (IS 5290-1969) with individual shut off valves and cast iron wheels. Landing valves shall have flanged inlet and instantaneous type outlet as shown on the drawings.	Isolation valve is proposed for each internal and external hydrant valve in the technical specifications and tender drawing. But in general practice, isolation valve shall be proposed only for ring mains and risers for the purpose of isolating any portion of the installation during maintenance. Please confirm to proceed further.	As per Design to be submitted by the Bidder
20	Volume -III, Technical specification and drawings	Drg and spec no: Clause no: 7.1,Page no:94 and 152	External hydrants	Drg.no: Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F-P & ID and specification,Contractor shall provide external hydrants.The hydrant shall be controlled by a cast iron sluice valve.	As there is a discrepancy between schematic diagram and technical specification that butterfly valves are proposed near each external & internal hydrant valve and sluice valves are proposed for each external hydrant. Please confirm to proceed with schematic diagram or technical specification.	As per Technical Specification mentioned in the Vol III of Tender.
21	Volume -III, Technical specification and drawings	Drg. : Page no: 152, 153,154,155,156,158,159,161 & 163 and spec no: Clause no: 7.1,Page no:94	Fire hose - 1BHK , 2BHK & Basement floor plans	Drg.no: Typical floor plan , Stilt floor plan& Basement floor plan - 14008A/SIG.CITY/C3/GH/TEN/ 1BHK/F- FP01 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- FP01, 14008A/SIG.CITY/C3/GH/TEN/ 1BHK/F- FP00 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- FP00 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- BP01 & BP02	As there is a discrepancy between technical specification (2nos.of fire hose for each internal hydrant) and tender drawing (4 Nos.of fire hose for each internal hydrant). Please confirm to proceed with technical specification or tender drawings.	As per Technical Specification mentioned in the Vol III of Tender.
22	Volume -III, Technical specification and drawings	Drg. : Page no: 152, 153,154,155,156,158,159,161 & 163	Branch pipe with Nozzle - 1BHK , 2BHK & Basement floor plans	Drg.no: Typical floor plan , Stilt floor plan& Basement floor plan - 14008A/SIG.CITY/C3/GH/TEN/ 1BHK/F- FP01 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- FP01, 14008A/SIG.CITY/C3/GH/TEN/ 1BHK/F- FP00 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- FP00 and 14008A/SIG.CITY/C3/GH/TEN/ 2BHK/F- BP01 & BP02	2 Nos.of Branch pipe with nozzles are proposed for each internal hydrant.But in general practice, 1 No.of branch pipe with nozzle is proposed for each internal hydrant valve.Please confirm to proceed further.	As per Design to be submitted by the Bidder.
23	Volume -III, Technical Specification and drawings	Specificaion : Clause no: 7.2,Page no:94 and 152	Hose box for internal hydrants	Each hose box shall be, after thorough cleaning of surface, painted as per Section 28 of General Technical Specifications. The words FIRE HOSE to be painted on the inner face of the glass.	As there is a discrepancy between technical specification (hose box for each internal hydrants) and tender drawing (fire hose with spindle arrangement). We are proceeding without hose box.Please confirm.	As per Technical Specification in Vol III of Tender
24	Volume -III, Technical Specification and drawings		Fire extinguishers for elevators	Requirement of CO2 Fire extinguishers for elevators	1. It is understood that elevators are excluded from the present scope of work. Accordingly, it is understood that fire extinguishers to be placed inside the elevators shall also be excluded. 2. Extinguishers at the common passage near shopping center is considered in scope.Please confirm.	Accepted
25	Volume -III, Technical Specification and drawings		Sand buckets	Sand buckets not mentioned in scope of work or drawings.	Sand buckets need to be included in the scope of work. Please confirm the scope & location.	Accepted
26	Volume -III, Technical Specification and drawings	Drg. Page no: 156 & 159	Sprinkler bulb (Sidewall type - In corridors)	Drg.no: Typical floor plan - 14008A/SIG.CITY/C3/GH/TEN/1BHK /F-FP01 & 14008A/TR.CITY/C3/GH/TEN/2BHK /F-FP01	Since there is no false ceiling in corridors, we are proceeding with sidewall type sprinklers instead of pendent type. Please confirm.	Accepted
27	Volume -III, Technical Specification and drawings	Drg. Page no: 155 & 158	Sprinkler bulb (Upright type - Stilt floor areas)	Drg.no: Stilt floor plan - 14008A/SIG.CITY/C3/GH/TEN/ 1BHK/F- FP00 and 14008A/TR.CITY/C3/GH/TEN/ 2BHK/F- FP00	We are proceeding with upright type sprinkler instead of pendent type sprinkler at Stilt floor in order to cool the structure as well as car parking. Please confirm.	Accepted
28	Volume -III, Technical Specification and drawings	Clause no:1.3,Page no: 98	Spare sprinklers	Sprinkler heads with spare sprinklers	Spare sprinklers, alongwith MS cabinets to store the sprinklers, need to be provided as per IS15105-2002. Kindly confirm if the same is to be considered in the scope.	As per Tender and to be provided as per IS 15105-2002
29	Volume -III, Technical Specification and drawings	Clause no:8.2, Page no: 99	Sprinkler rating	Sprinkler heads shall be stainless steel quartz bulb type with a temperature rating of 68 degree Celsius.	As the ambient temperature in the kitchens will be higher than other areas, 79 degree C rating sprinklers need to be considered for the kitchens. Kindly confirm the same to enable us to proceed forward.	As per Tender and to be provided as per IS 15105-2002
30	Volume -III, Technical Specification and drawings		Alarm check valve requirement		As per IS15105, 1 no.of Alarm check valve is required per 1000 sprinklers. The same shall be considered in our design. As per the same, 15 nos (3 Nos per Tower in superstructure and 3 Nos each in upper and lower basement) of alarm check valve assemblies will be required. Kindly confirm the same.	As per latest Amendment of NBC
31	Volume -III, Technical Specification and drawings	Drg. Page no: 152	Inspection and test drain valve assembly	Drg.no:Schematic diagram - 14008A/SIG.CITY/C3/GH/TEN/F-P & ID	Inspection and test drain valve assembly is mandatory for each tapping shall be taken from Sprinkler riser to respective floors as per NBC partIV 2005.But the same is not proposed in the tender drawings.Please confirm to considered the same.	As per latest Amendment of NBC.
32	Volume -III, Technical Specification and drawings	Drg. Page no: 151	Hume pipe for Road crossings	Drg.no:Site plan - 14008A/TR.CITY/C3/GH/TEN/Site plan /A-SP01	As per IS 3844,Clause no:7.9,Page no:16,For underground pipes should be laid 1mtr below ro avoid damage during road repair,etc, and road crossings where heavy vehicles are expected to pass,it should pass through RCC pipes for additional protection.Hume pipes are not shown in tender drawing.Please confirm.	As per IS 3844 clause No.7.9.

S.NO	REF	CLAUSE NO.	KEYWORD	TENDER CONDITION	CLARIFICATION / REQUEST	Clarification
33	Volume -III, Technical Specification and drawings	specification,Clause no:3.9, Page no: 134	Smoke detectors & control module	Clause 3.9 titled"Fire Alarm System (Hybrid)"	In Hybrid fire alarm system, 1. Conventional type detectors are proposed inside the flats & corridors areas and Addressable detectors are proposed only in stilt floor,basement floor plans, community building, shopping centre & club building. But as per technical specification and Schedule of Requirement (Page 73, Volume III) only conventional type detectors are proposed for all areas. 2. Additional zone control module shall be required for the conventional zone. The same has not been factored in the Schedule of Requirement (Page 73, Volume III) Please clarify.	As per Point no.13 of Technical query - Electrical.
34	Volume -III, Technical Specification and drawings	Specificaiton,Sl.no:IV, Page no: 73 ,153, 154,	Beam detectors	Internal electrification, schedule of requirements - Fire alarm system , Basement floor plan - 14008A/SIG-CITY/C3/GH/TEN/ 2BHK/F- BP01 & BP02 , 14008A/SIG.CITY/C3/GH/TEN/ SHOP/F-FP00-FP011 Community building + Shopping and 14008A/SIG.CITY/C3/GH/TEN/ CLUB/ F-FP00-TR01 Club house building.	Beam detectors are shown in the tender drawings. But the same is not factored in the schedule of requirements.Hence we are not considering beam detectors. Please confirm.	As per Tender.
35	Volume -III, Technical specification and drawings	Page no: 52	Electrical inventory schedule - Common areas	As per inventory schedule enclosed	There is a mismatch between tender drawing (Volume III) and electrical inventory sheet (Volume II) on fire detection system. Please confirm which volume to be followed.	As per Vol II of Tender.
36	General	-	Fire safety signages	Not considered.	Photoluminescent type safety signages for Fire equipment areas and illuminated type signages for all fire exits as per NBC part IV 2005. Please confirm to proceed further.	As per Latest Amendment of NBC.
37	General	-	Fire sealants	Not considered.	Fire sealants are proposed to close only vertical penetration of electrical and ELV shafts as per NBC requirement. Please confirm to proceed further.	As per Latest Amendment of NBC.