

RENOVATION OF 6TH & 7TH FLOOR FOR MPCB OFFICE AT RAIGAD BHAVAN, BELAPUR, NAVI MUMBAI.

Pre Bid Meeting for E tender no **MPCB/EE/e-Tender-6/2019-20** held on 19th December 2019 at MPCB office, 1th Floor, Kalpataru Point, Sion Circle Sion East, Mumbai.

Participants :

M.P.C. Board - Shri. S.R. Patil (CAO), Shri. B. R. Jagtap (EE),

Consultant – Ms. Ujwala Rane and Mr. Aslam Shaikh (ARK Designs Pvt. Ltd.)

Bidders – 1. M/s. Mahendra & Company, 2. M/s. Maxcool Solutions Pvt. Ltd., 3. M/s. Savani Heritage Con. Pvt. Ltd.,
4. M/s. P. K. Enterprises, 5. M/s. Shivaji Kankale & Co. and 6. M/s. Rama Infraprojects Pvt. Ltd.

Minutes:

Below is the summary from of the discussions held. During the course of discussion and queries raised by contractors, following addendums are made which are mentions below :-

Sr. No	Description	As per Tender	Addendum / Reply
1	Drawing is not enclosed with the tender document. Please issue the Tender Drawing.		Drawing Attached.
2	As per the Eligibility Criteria on Page 11 the similar works shall be executed in last 5 years and on page 12 it is mentioned similar works shall be executed in last 3 years. Please clarify	The Contractor shall submit experience certificate for execution of single Interior, Electrical & HVAC with allied services works in Mumbai, Pune and Navi-Mumbai of similar nature consisting of Interior, Electrical, HVAC & Allied works not less than Rs. 400 Lakhs OR Two similar works not less than 300 lacs Or Three similar works not less than 250 lacs in any Government/ Semi Government Department / local bodies such as MIDC/MJP/CIDCO etc in last five financial years	Similar works should be executed in last 5 years

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		signed by an officer not below the rank of Executive Engineer OR Similar works in Private Offices in last five years signed by the Client not below the rank of Director.(Note: The weightage of costing for private works executed shall be considered 50% ie If the party has executed private work worth 100 lacs , then the same shall be considered as 50 lacs for the purpose of evaluation.).	
3	On Page no 34, Clause no 71. A Deposit of Rs. 1, 00, 000/- is to be submitted by the bidder. Please Clarify for what purpose is the Deposit required	The successful bidder shall deposit Rs. 1,00,000 as a security deposit in the form of D.D. drawn in favour of Maharashtra Pollution Control Board which will be refundable, without interest, after the successful completion of the contract period.	Deposit of balance SD amount shall be paid in the form of DD/BG by the successful bidder.
4	The Initial Security Deposit mentioned on page no 26 is 2.50 % whereas as per the details given in page 27 it shows as 5.00 %. So please clear this point and also allow submitting the Initial Security Deposit in form of DD / BG / FDR also.	The Contractors shall within seven days of issue of acceptance letter (LOI) or before the execution of this Agreement deposit with the client a sum of equivalent to 2.5 % of accepted contract value by demand draft in favour of MPCB. The client shall not be liable to pay any interest to the Contractors on the amount of such Security Deposit and shall hold this amount as a guarantee for timely and proper performance of the said work by the Contractors. The said amount shall be liable for forfeiture in addition to all other rights and remedies which are available to the client under the said General Conditions of Contract.	<ul style="list-style-type: none"> • The Initial security deposit will be 5 % • It should be in the form of DD/BG. NO FDR will be accepted.
5	GST is Inclusive or Exclusive. As nowadays we have to submit the Tax Invoice with GST Breakup. So please clarify.	The cost of each item shall be quoted after deducting the discount and inclusive GST , transportation, loading ,unloading at site, wastage and any other levies etc.	The Contractor has to submit the base amount of any item. GST or any applicable taxes will be paid at actual as per the prevailing rates.

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6	All the Dismantled materials are to be handed over to department or to be taken away.	Stacking of Dismantled Materials: All dismantled materials shall be stacked in neat piles at location shown by the Engineer-in-charge. Recovered materials from demolition shall be stacked size wise. Similarly all fixtures, wind ties etc. shall be stacked separately. Ridges, gutters and other special materials shall be stacked so that accounting is possible. In case Engineer-in-charge so desires, he may instruct the contractor to transport the material to MPCB stores, and lead charges for the same shall be deemed to have been included under relevant items in the contract.	Has to be taken away and MPCB should be compensated accordingly.
7	Escalation shall be allowed in this tender as the work is also for 6 months. So please consider this point.	No escalation is allowed /permitted in quoted rates in the tender the same should be valid at least for completion of the project from the date of awarding the job to the successful contractor.	Please submit the relevant GR. Otherwise the tender conditions will prevail.
8	Site will be handed over in part area or both the floors will be handed over vacant.		Site will be handed over part wise as the offices are operational. (floor wise execution)
9	Item no 4 page 67. Providing & fixing of wooden rafter. The size of Rafter is not mentioned as the item is in Rmt.	Providing and fixing Wooden rafter at all height including providing and fixing of aluminium frame work and rafter made up of ply using 9/12/19 mm finish with veneer / laminate as per requirement with complete hardware fitting etc complete as per direction of Engineer - in – charge	Size of Rafter is 60x40mm
10	Item no 2 page 79. Providing & fixing of Soffit. The size of Soffit is not mentioned as the item is in Rmt.	Providing and fixing in position 19mm thk. Marine plywood for soffit finished with below mention including 25 x 25mm thk 2nd class TW wooden frame work (including paint)/ supports & mouldings, lipping patti, groove. Item to be	Item to be considered in Sq. mtrs.

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		completed in all respects as per drawings & direction by Architect.	
11	As per page 41 Factory Inspection is compulsory. We would like to bring into your notice that the items considered in this BOQ are normal VRF machine and are not any Specific make to order machines. Factory Visit is done only for specialized make to order machines only. So kindly consider our point.	The Contractor should arrange for factory inspection of the HVAC machines (Imported Outdoor and Indoor units). The HVAC machines offered for inspection shall be specific to MPCB project. The rate quoted shall include factory inspection for 4 persons inclusive of travelling expenses, boarding and food etc.	Tender condition will prevail.
12	Telephone wiring is not considered in the tender such as 2 Pair, 5 Pair, 10 Pair, 50 Pair & 100 Pair. As the item of Krone box and Telephone point are considered in Tender. So please clarify.	Supplying & installing UTP networking cat-6 cable suitable for LAN / WAN Computer networking as per specification No. WG-COC/NC	Cat-6 Cable considered for telephone wiring, main cable to floor MDF is exist on the site
13	In the Item of Granite Jamb lining on page no 52. The width given is upto 300 mm whereas under the technical specification of this particular item on page no 135, the width give is upto 100mm. Also the mode of measurement differs from Schedule B to technical specification. So please clarify.	Providing and fixing in position & in stepped manner one side mirror polished machine cut Granite slab Jamblining for Door / Window frames of width upto 300mm of 18mm thickness (+/- 2 mm tolerance) in cement mortar bedding (1:4) of required thickness. Joints, edges to be floated and finished on neat cement of the same colour as the slab. After setting, the slabs (if read) are to be machine polished at site to obtain perfect finish. All exposed edges to be rounded & polished. The rate to include all necessary chipping of brickwork / concrete so that the slab is 12mm projects from plaster / POP surface with rounding of edges, polishing etc. complete as shown on drawing & as per directions of Engineer In charge. Note: No	As per BOQ upto 300 mm

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		payment will be made for overlapped portion of the jamblining.	
14	In the Item of Doors on page no 60 the Thickness of door given is 35 mm whereas the thickness given in technical specification of this particular item on page no 159 is 40 mm. so please clarify.	Providing & fixing door in position Partly Glazed Partly Solid door made up Phenol bonded of 35 mm thk approved flush door of approved size & 12 mm toughened glass approved beading, grooves, approved moulding, lipping patti including necessary hardware, approved adhesive, fitting & fixture Handel, Lock, Floor Spring / Door Closer etc. melamine polish to all exposed surfaces etc complete as per detail drawing as specified & as directed by Engineer-in-charge.	The shutter size of doors shall be 35mm and the finishes will be as per BOQ.
15	The Item of LT panel 1 & LT panel 2 is completely same on page no 97, 98 & 99. So please clarify. Also the Item of AC Panel is not considered		Both the panels are same item, for AC distribution we have considered DB.
16	The item of Gas charging is not considered in the AC Sub estimate. Please clarify.		The gas charging shall be considered in machine item itself.

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17	The item of MS Outdoor Stand is not considered in the AC Sub estimate. Please clarify.		The rates of item to be considered inclusive of stand.
18	The OD Thickness of AC Piping considered is not sufficient as per the capacity of Machine. In VRF machines all types of piping's are required i.e. from 6.35 mm to		Details enclosed
19	The Capacity of Indoor AC units given are in dual basis like 1.8 TR / 2.2 TR. Kindly approve only single type of capacity as the rates differ as per the increase in capacity. There should be a standard specified requirement mentioned in the BOQ		The capacity should be considered between 1.8 TR to 2.2 TR. Therefore you can quote between this given range.
20	In the AMC of AC works for all the 3 years only labour maintenance is to be considered or Comprehensive maintenance is to be considered, please specify.		Comprehensive maintenance should be considered and should be considered on annual basis.
21	In the items of Indoor machines it is specified that Compact / Standard models to be used. As per our findings these two are separate models containing different size and different prices. So please clarify which models to be considered.		To be considered as per Drawings enclosed
22	In the item of VRF Indoor split type AC on page no 104 item c. The capacity mentioned is 2.6 TR to 2.8 TR. As per our findings only 2.00 TR capacity machine is available in the market. Please clarify.		2.6 TR capacity machines are available with all the approved vendors provided in the tender.

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23	In the item of VRF Indoor split type AC on page no 105 item e. The capacity mentioned is 1.8 TR to 2.2 TR. As per our findings only 1.50 / 2.00 / 3.20 TR Capacity machine is available in the market. Please clarify.	Supply, installation, testing and commissioning of VRF/VRV based Hi-wall type indoor unit (IDU) of nominal cooling capacity 1.8TR (594 cfm) to 2.2TR (655 cfm) having EER as per BEE standards and specifications with multiple speed evaporator fan with motor, copper tube aluminium fin evaporator coil, washable air filter, insulated drain tray, expansion device, cordless remote control with necessary controls, with 3 core copper flexible cord of required length and electrical terminal to receive power supply, etc. IDU shall have anti-corrosive coating suitable for coastal area. Unit shall be suitable for indoor wall mounting, having an electronic control console, provided with suitable mounting brackets with any additional refrigerant and oil charge as per the requirement during installation, connected to the system complete.	Kindly go with 2TR machine. The capacity of DX split machine shall be same as that of VRV / VRF high wall.
24	The CFM of TFA Units on page no 106 mentioned is 6600 for 8TR & 8200 for 10 TR. whereas it should be considered as 1200 CFM for 8TR. Also as per our findings the 10 TR capacity machines are not available in the market. Please clarify.	Supply, installation, testing and commissioning of VRV / VRF based ceiling suspended 8.0TR (6600 cfm) to 10TR (8200 cfm) Treated Fresh Air (TFA) indoor unit with evaporator fan with motor, copper tube, aluminium fin evaporator coil, washable air filter, insulated drain tray, expansion device, corded / cordless remote control with necessary controls and electrical terminal to receive power supply, etc. having anti-corrosive coating suitable for coastal area	Kindly Quote the 8TR TFA machine with 1200 Cfm

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		with suitable ceiling suspension arrangement and an electronic control console with an additional refrigerant and oil charge as per requirement during installation connected with the system complete.	
25	In the item of Exhaust fan on page no 107 only CFM is specified. Please specify the Static pressure of the same.		Kindly consider 4 Nos 500 cfm exhaust fans with static of 25mm.
26	The cooling capacity delivering 100% at 47 deg. celcius and non stop cooling even at 56 deg. Celsius is required in the Outdoor VRF AC Units. Whereas in general weather conditions of Mumbai & Navi Mumbai it never crosses above 40 deg. Celcius. As if you require with that much capacity of cooling than the Capacity of Outdoor unit will have to be changed. Please clarify.	Supplying, erecting, testing and commissioning 28 HP, VRF / VRV air conditioning system, outdoor unit (ODU) complying type-IV OEM standards working on HFC free refrigerant R410A or other required/suitable green equivalent refrigerant, for cooling capacity delivering 100% at 47 deg. celcius and non stop cooling even at 56 deg. celsius and coefficient of performance (COP) 3.00 to 4.00, modular type horizontal/vertical hot air discharge suitable for total piping length upto 1000 metre operation in cooling mode with inverter based VRF/VRV technology microprocessor based control compressor starter/control panel complete with scroll compressor, air cooled anti corrosive copper condenser coil of suitable shape for increasing maximum heat transfer area, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V \pm 10%, 50 Hz, 3 phase power supply, internal copper refrigerant piping, internal	This is the features provided in the machine even at elevated temperatures the VRF will be functional. No deviation in the capacity is allowed.

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		wiring and first charge of refrigerant, etc. all housed in powder coated weather proof cabinet on provided angle iron frame or suitable foundation connected to the system in approved manner complete.	
27	For TFA Machines main duct line of 16" to 18" PVC Pipe is required and is not considered in the BOQ.	Supply, installation, testing and commissioning of VRV / VRF based ceiling suspended 8.0TR (6600 cfm) to 10TR (8200 cfm) Treated Fresh Air (TFA) indoor unit with evaporator fan with motor, copper tube, aluminium fin evaporator coil, washable air filter, insulated drain tray, expansion device, corded / cordless remote control with necessary controls and electrical terminal to receive power supply, etc. having anti-corrosive coating suitable for coastal area with suitable ceiling suspension arrangement and an electronic control console with an additional refrigerant and oil charge as per requirement during installation connected with the system complete.	We have designed multiple pipes from Plenum. Qty of plenum is attaching with the mail
28	Please give more makes in AC like LG, Carrier, Toshiba, Etc for better competition in addition to the Daikin & Mitsubishi make mentioned in tender.	VRF System : Daikin / Mitsubishi Electric (Imported machines and non-China)	NO other make otherwise specified in the vendor list will be considered.
29	Cable tray not considered in HVAC works		Tender conditions will prevail.

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30	Can HVAC contractor have MOU with Interior contractor and vice versa		Yes. The MOU can be from either side HVAC or Interior Contractor with the other party.
31	Request to decrease Solvency Certificate to Rs. 100 Lakhs	Solvency certificate More than Rs. 500 Lakhs will eligible for 5 Marks	Solvency certificate More than Rs. 100 Lakhs will eligible for 5 Marks
32	Request to extent period of Bid Preparation	Bid Preparation - 24/12/2019	Will be Extended till 30/12/2019