

CHENNAI METRO RAIL PROJECT PHASE-I

CONTRACT, UAA 10 - DESIGN AND CONSTRUCTION OF UNDERGROUND COMMUTER AMENITIES CENTRE AT SHENOY NAGAR METRO STATION (SSN) INCLUDING ALL TEMPORARY AND PERMANENT WORKS LIKE SHEET PILING, SOIL ANCHORS, RCC RETAINING WALLS/DIAPHRAGM WALL, BASE SLAB, FLAT SLAB BASEMENT SLAB & ROOF, ENTRY/EXIT STRUCTURES, ARCHITECTURAL FINISHES, SUMP AND PUMPS, VENTILATION SHAFTS, ELECTRICAL MECHANICAL WORKS, PLUMBING & FIRE FIGHTING, VENTILATION AIR CONDITIONING AND LANDSCAPING

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4	498	SECTION - 4 VOLUME -4	OUTLINE DESIGN SPECIFICATIONS - ARCHITECTURAL WORKS	Office rooms, VAC room, control room, Janitor room, admin room, service room, toilet area finishes, flooring requirements given	Area or size of the room not mentioned either in drawing or document. Specify the same.	Bidder shall assess and propose the area or size of the room in order to increase the footfall during design stage with subject to notice of no objection from the Employer.	Bidder shall assess and propose the area or size of the room during design stage with subject to notice of no objection from the Employer.	Yes
10	475	3.4.2.3	Minimizing Ground Movements	The following support methods are not permitted: a. Use of ground anchors beneath adjacent buildings. b. Non-recoverable timber ground support	We understood that ground anchors beneath adjacent building are not permitted. Please provide Adjacent building details and its distance from SSN park.	Bidder to Assess	Method of Construction changed to Diaphragm walls. Please Refer Addendum-2.	Yes
21	585 of 1220	Section 1.16 & Scope of Works	Air conditioning Scope for Shops & Food Court	Air-conditioning system for entire property development rooms / area, corridor /public area, any other air conditioning rooms by using Variable refrigerant flow(VRF) system with Air handling units and VRF indoor units including associated refrigerant pipe works.	Request you to confirm the name of area to be air-conditioned including the battery limit of air conditioning system.	The approximate total area of Air Conditioning is 21,450 sq.m. However, the bidder shall assess and propose number of rooms / areas, room / area size and application of rooms / areas in order to increase the footfall during design stage with subject to notice of no objection from the Employer.	Airconditioning Area of Basement-2 is specified in tender drawings and scope of work is also revised. Please Refer Addendum-2.	Yes
30	240 of 1220	VOLUME - 3 SECTION B - Employer's Requirements - Functional	Scope of work- Fire Sprinkler	Plumbing for fire sprinkler system has been done for both the basement except that for the non-ceiling areas, it shall be extended by the individual shop keepers	The referred clauses in this tender contracting each other. Kindly clarify the following points: (a) Fire sprinkler system will be provided in public areas and basement parking areas. (b) For retail areas, only tap-off point will be provided and all further distribution inside retail area will be by retailer scope. (c) For retail areas, single layer of sprinkler (above false ceiling) & tap-off point for future pendant sprinklers (for below false ceiling areas) to be provided?	a) Confirmed. Sprinkler system shall be designed and provided both Basement. b) Agreed c) Not accepted	Scope of work is revised. Please Refer Addendum-2.	Yes
	241 of 1220			Fire sprinkler system to be designed and provided in Basement 1 & Basement 2				
35	241 of 1220	Volume 3	DG set	Supply & installation of DG set & Transformer are not in the scope of the works	We understand that Supply, installation, testing & commissioning of DG set, AMF / Synch. Panel, Power & control cables from DG set to AMF/ Synch. Panel are excluded from contractor scope of works. Kindly confirm	Supply and installation of DG sets and transformer are in the scope of works. Refer Addendum 1.	Scope of work is revised. Please Refer Addendum-2.	YES
36	241 of 1220	Volume 3	Transformer & HT Panel	Supply & installation of DG set & Transformer are not in the scope of the works	We understand that Supply, installation, testing & commissioning of HT Panel, Transformer & related control cables are excluded from contractor scope of works. Kindly confirm	Supply and installation of HT panel and transformer are in the scope of works. Refer Addendum 1.	Scope of work is revised. Please Refer Addendum-2.	YES
47	NA	General query	Air-conditioning battery limits	NA	Kindly confirm whether the HVAC equipment's along with low side items for air-conditioning Basement 2 is in contractor scope or only provisions to be made by the contractor.	HVAC equipment's along with low side items for air-conditioning of Basement 2 is in contractor scope.	Airconditioning Area of Basement-2 is specified in tender drawings and scope of work is also revised. Please Refer Addendum-2.	YES
48	NA	General query	HVAC scope in shops and F&B areas	NA	Kindly confirm whether the Food court and shops at Basement 2, are with fit-out scope or not?	Please note that the food court and shops are provided in the tender for preliminary reference only. However, the bidder shall assess and propose number of rooms / areas, room / area size and application of rooms / areas in order to increase the footfall during design stage with subject to notice of no objection from the Employer. HVAC equipment's along with low side items for air-conditioning basement 2 is in contractor scope.	Scope of work is revised. Please Refer Addendum-2.	YES
Services:								
56			Transformer / DG / HT switch gear		As per our understanding, Transformer / DG / HT switch gear and associated accessories are not part of the contract. Please confirm.	DG, Transformer and HT panels are part of scope. Refer addendum-1	Scope of work is revised. Please Refer Addendum-2.	YES

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Structure:								
60			Methodology of construction		Please confirm if you have any objection on using bottom up construction method for the project.	No objection. Please refer Addendum-1	Scope of work is revised. Please Refer Addendum-2.	YES
63			PT Slab		PT Slab is accepted or not – Please confirm.	Design option of PT slab is acceptable.	Scope of work is revised. Please Refer Addendum-2.	YES
MEP Queries:								
72			Electrical provision to retail area		Electrical cable provision only given for retail shop, whether it shall be terminated with DB / Panel, please confirm.	Individual shop location terminal box to be provided with cable, circuit breaker with metering arrangement and shall be integrate with BMS.	Only main Feeders to be provided at four corner locations in basement-2 and cable, circuit breaker with metering arrangement are to be done by individual retailers. Please refer Addendum-2	YES
73			No. of shops & connected electrical load		Retail shop total connected load details and number of shop shall be confirmed.	Bidder to design	The Transformer capacity Defined. Further distribution, bidder to design. Refer Addendum-2	YES
75			No. of DG sets		Number of DG sets & Capacity shall be confirmed to plan accordingly.	Bidder to design	The DG capacity Defined. Refer Addendum-2	YES
Volume 4 Section 7 VAC Works								
84		1.1.6 a	Air-conditioning system for entire property development rooms / area, corridor / public area.		Please share the details of property development rooms/area, corridor/public area for calculating cooling load.	The approximate total area of Air Conditioning is 21,450 sq.m. However, the bidder shall assess and propose number of rooms / areas, room / area size and application of rooms / areas in order to increase the footfall during design stage with subject to notice of no objection from the Employer.	Airconditioning Area of Basement-2 is specified in tender drawings and scope of work is also revised. Please Refer Addendum-2.	YES
		Design and Performance / Functional Requirements / Air Handling Units						
99		Volume 6	Tender Drawings		Please share the layout drawings with property area rooms/areas and sectional drawings.	Bidder shall assess and propose number of rooms / areas, room / area size and application of rooms / areas in order to increase the footfall during design stage with subject to notice of no objection from the Employer.	Bidder shall assess and propose the area or size of the room during design stage with subject to notice of no objection from the Employer.	YES
		Volume 3	List of Makes VAC Ventilation and Air Conditioning System					
102			VAC		VAC Provision for retail shop shall be confirmed please.	HVAC equipment's along with low side items for air-conditioning Basement-2 is in contractor scope.	Scope of work is revised. Please Refer Addendum-2.	YES
106			DG sets		Three are two numbers of DG sets considered, whether it is individual operation / synchronizing operation – please confirm.	Bidder to design. DG backup only common emergency services and not individual retail shops.	The DG capacity Defined. Refer Addendum-2	YES
107			Approved Vendor for UPS		List of approved vendor for UPS & required capacity of UPS shall be confirmed whether it is individual operation / parallel operation – please confirm.	UPS capacity : Bidder to design. UPS operation: Individual operation List of approved make-Refer addendum-1	UPS Capacity: Refer Addendum-2 UPS operation: Individual operation List of approved make-Refer addendum-1	
110			Transformer, HT panel, Bus duct		Transformer, HT panel, Bus duct – detailed technical specification shall be issued.	Agreed. Refer Addendum-1	Refer Addendum-2	Yes
111			Transformer		Please confirm Transformer capacity.	Bidder to design	The Transformer capacity Defined. Refer Addendum-2	

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118	46	Section - III Evaluation & qualification Criteria Pg 46 S.No 1.1.2	Evaluation - Equipment	Silent Piler / Vibro Hammer	Bidder understands that any one of the specified equipment shall be used for driving sheet piles (either silent piler (or) vibro hammer).	Agreed. Refer Addendum-1	Scope of work is revised. Please Refer Addendum-2.	YES
136		Evaluation and Qualification Criteria-1.1.2-Equipment	Equipment		Please consider sheet pile installation using conventional vibro hammer in lieu of Silent Piler. Also, request to consider Plant & machinery shall not be older than 10 Years instead of 5 Years mentioned in the tender	As long as the Noise Levels are maintained to an acceptable levels, contractor may use Vibro hammer or Silent Piler.	Scope of work is revised. Please Refer Addendum-2.	Yes
141			Architectural Drawings		We request you to kindly provide the Architectural drawings with individual room/shop measurements for both East & West site as well as Lower and Upper Basement floors along with finishing schedules such as details of Partitions, flooring, painting, Joineries, Glazing, False ceiling., etc complete.	Agreed. Refer Addendum-1	Refer Addendum-2	YES
163	77	Pg.No 77	AMC & DLP		Mentioned years is applicable for only VAC & Ventilation Systems	Yes	Scope of work is revised. Refer Addendum-2	YES
164	240	Pg.No 240	Top down construction method		Shall we provide and consider alternative method of construction?	Yes	Scope of work is revised. Please Refer Addendum-2.	Yes
General Questions								
172			Theatre facility		Shall we consider Theatre facility in One side by accomodating all the retail spaces on the other side	Bidders can propose	Bidders can propose without any additional cost to CMRL.	No
Electrical clarifications								
VAC clarifications								
182			AHU Air distributions		Kindly confirm the AHU Air distributions for Malls and corridors	AHU and air distribution system shall be in bidder / contractor scope.	Scope of work is revised. Refer Addendum-2	Yes
184			individual indoor units		Do shops need individual indoor units	Bidder shall assess and propose the indoor units considering the interior layout during design stage with subject to notice of no objection from the Employer.	Scope of work is revised. Refer Addendum-2	Yes