

MUMBAI HOUSING AND AREA DEVELOPMENT BOARD
A REGIONAL UNIT OF
(MAHARASHTRA HOUSING AND AREA DEVELOPMENT AUTHORITY)

Tel no.- 022-66405220, E-mail eelect.mhada@gmail.com

Ref. No.- EE/Elect/M.B./Quotation/ /2024

Date-

Notice to Agency for rates only


Executive Engineer / Electrical Division / Mumbai Housing and Area Development Board, Room no.368, 2nd Floor, Grihnirman Bhavan, Kalanagar, Bandra (East), Mumbai-400051 is inviting the quotation **for obtaining rate of item only** from contractor / agencies having experience in carrying out similar type of work. Contractor / agency required to submit the Quotation rates with & without GST and duly signed with seal. Sealed quotation will be received in the same office on or before 13/12/2024 up to 5:00 PM. and opened on the next working day if possible for the work mentioned below—

	Name of work and Description of Item	Quantity with unit	Rate without GST	% GST	Total Rate
1.	Supplying installation, testing and commissioning of Fire evacuation Lift for Pahadi Goregaon (HIG/MIG) complying mandated by chief electrical Inspector's advisory on Installation of the Fire Evacuation Lifts 125 Mtrs · Rated capacity :- 8 Passenger/544Kg. · Two hours fire rating for sandwiched cabin panels with Two hours fire rating cabin door. · Two hours fire rated glass vision on door as mandated by statutory body with required size · Floors :- 38 (G,P1,P2,P3,1 to 34) floor (38 Stops/38 Landings), , · Travel :- 120 mtrs · Location of Lift Machine:- MR · Rated speed :- 2.50mps. Comprehensive · AMC per year for 8 Passenger/544Kg Fire evacuation lift for 2nd year, 3rd year (Please visit www.mhada.gov.in --> tenders for detailed description)	Job			
2.	<u>ELECTRO-MECHANICAL EQUIPMENT'S FOR SWIMMING POOLS</u> Swimming Pool Size : 8.86 x 5.1 x 1.35 Height , Swimming Pool Area : 61 Cum, Water Capacity : 61,000 Ltrs, Balancing Tank Size : 2.5 m x 2.0 m x 0.975 Height , Balancing Tank Area : 4.87 Cum , Balancing Tank Water Capacity : 4870 Ltrs, Total Liters = 65 ,870 Ltrs , Turn Over Time : 8 Hour working & flow rate per hour : 8.23m ³ /hr Warantee 1 Year On Electrical Equipments & 5 Year of Filter & Pump (Please visit www.mhada.gov.in --> tenders for detailed description)	Job			

For any queries contact below officers: Priyanka Ahire, Dy. Engg, Electrical division :- 02266405265

Detailed requirement, advertisement, terms and conditions can be downloaded from our website www.mhada.gov.in--> tenders

Terms and Conditions:-1) Interested agencies shall contact above mentioned office for any clarification and collect the detailed expected sample estimation proforma from this office during working hours from 11 am to 03.00pm in order to get standardized quotations. 2) Agency shall provide complete estimate for Supplying installation, testing and commissioning. Agency shall clearly mention scope of work with them and with MHADA to avoid future delay and ambiguity. 3) Agency has to quote the rate without GST & With GST with percentage of applicable GST for this work. 4) Rate Shall be inclusive of all overheads and profits. 5) Agency has to submit the duly filled quotation along with required documents in sealed envelope. 6) Executive Engineer / Electrical Division / Mumbai Housing & Area Development Board reserves the right to accept or reject any or all quotation without assigning any reason. 7) The quotations are invited for **obtaining rates of item for estimation purpose**. The rates should be agency's Supplying installation, testing and commissioning and getting license price at site. 8) Agency shall submit min 5 number fire evacuation lift certificate installed for high rise building of 30 floors and above without which quotation shall be rejected. 9) Agency shall submit test certificate from OEM for "fire Evacuation Lift" car and Landing doors, car. 10) Agency shall submit min 05 number of successful installation of Electromechanical system for swimming pool.



Executive Engineer, Electrical
Division, Mumbai Board

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DETAILED SPECIFICATION FOR FIRE EVACUATION LIFT

	Name of work and Description of Item
1.	<p>Supplying installation, testing and commissioning of Fire evacuation Lift for Pahadi Goregaon (HIG/MIG) complying mandated by chief electrical Inspector's advisory on Installation of the Fire Evacuation Lifts 125 Mtrs · Rated capacity :- 8 Passenger/544Kg.· Two hours fire rating for sandwiched cabin panels with Two hours fire rating cabin door.· Two hours fire rated glass vision on door as mandated by statutory body with required size</p> <p>· Floors :- 38 (G,P1,P2,P3,1 to 34) floor (38Stops/38 Landings), , · Travel :- 120 mtrs · Location of Lift Machine:- MR</p> <p>· Rated speed :- 2.5 mps , · Car/Landing door clear opening as per site requirement.· Clear Car size as per site requirement , · Lift shaft available (1800mm width x 2150mm depth) .car shall have emergency operation switch. ·two' way communication system shall be provided in car as well as at every level integrated with LOP, ·cables used in FEL shall be FRLSH type, ·two Operating console shall be provided one inside the lift and second on the ground lobby, ·Backup Electric supply shall be provided with UPS for at least 30min and it should be online supported by another regular and alternate emergency supply. UPS shall be with jerk less elevator operation arrangement shall be provided to connect the "Fire Evacuation Lift" to building DG set and the external vehicle mounted D.G. Set. , ·It shall have IOT based control panel and OEM shall access real time data, ·FEL shall have trap door on roof ·First year DLP along with comprehensive AMC shall be included</p> <p>·Depth as mandated by NBC and Chief electrical Inspector's advisor, ·Agency shall get the required licenses from lift inspector</p>
2.	<p>Comprehensive AMC per year for 8 Passenger/544Kg Fire evacuation lift for 2nd year, 3rd year it shall include replacement all worn out Fire evacuation lift parts such as ropes, LOPs,COPs wires, drives, batteries, fans, motors etc this list not exhaustive</p>

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DETAILED SPECIFICATION FOR ELECTROMECHANICAL SYSTEM FOR SWIMMING POOL

	MECHANICAL EQUIPMENT'S FOR SWIMMING POOLS	
	Swimming Pool Size : 8.86 x 5.1 x 1.35 Height , Swimming Pool Area : 61 Cum, Water Capacity : 61,000 Ltrs, Balancing Tank Size : 2.5 m x 2.0 m x 0.975 Height , Balancing Tank Area : 4.87 Cum , Balancing Tank Water Capacity : 4870 Ltrs, Total Liters = 65 ,870 Ltrs , Turn Over Time : 8 Hour working & flow rate per hour : 8.23m ³ /hr Warantee 1 Year On Electrical Equipments & 5 Year of Filter & Pump	
A	COMMON FILTRATION EQUIPMENTS	
1	Bobbin Wound Filter, Totally Anti-Corrosive Polyester+Fibre Glass filter 550mm Diameter. Fitted with pressure gauge panel, manual air bleeder, water drain and emptying plug. fitted with collector arms and diffuser made from unplasticized PVC and polypropelene. working pressure :250 (kpa) max working pressure : 370 (kpa) Flow rate =11.5m ³ /h	1.00
2	Top mounted manual multiport Valve 1.5"	1.00
3	PVC 2" Union	3.00
4	Filter media MS 6/14 mesh filter sand white marble crush different layers of sand media	1.00
B	FILTRATION PUMP	
1	Supplying, erecting, testing and commissioning of minimum three & above star rated centrifugal water pump (monoblock), 415V, three phase, 50 Hz, A.C. supply of 1.5 kW/2 HP with discharge 600/140 lpm for head of 8/22 m and 65 mm suction/50 mm delivery pipe on provided CC foundation as per specification no. WP-CGP.	2.00
2	Making Cement concrete foundation in 1:2:4 cement concrete with foundation bolts and nuts complete. (cost of wooden box is included) (for pumps).	1.00
4	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 2.5 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	15.00
C	FILTRATION FLOW FITTINGS	
1	White ABS plastic Floor Inlet . Max. Flow/ inlet 9m ³ /hr	8.00
2	Vacuum Point in ABS Plastic	1.00
3	Suction Jali made in SS 304 Matt Finish for pump suction	2.00
4	Main Drain Frame in ABS or in SS 304 Plate	1.00
5	SS 304 GrabRails in pool walls Matt Finish	3.00
6	SS 304 4 Step Ladder Matt Finish	2.00
7	Overflow Grattings made in ABS for Drain channel on periphery of the pool	35.00
D	UNDERWATER LIGHTS	
1	Supply of swimming pool under water light. Built of stable, Niche required for installation. S.S faceplate fixed to the aluminium body and screws. Supplied with 1m cable 12 V x 9 w LED lamp.	22.00
2	Supply of Drivers for Underwater Lights	6.00
3	Point wiring for light/bell concealed type in min 20 mm HMS PVC conduit with 1.5 sq.mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification no. WG-PW/CW (for under water lights)	22.00

E	PIPING, FITTINGS, BALL VALVES & NRV	
1	Supply of uPVC, cPVC, Grey PVC pipes of Sch 40/80/10 kg with all necessary fittings, fixing arrangement etc. complete for Plumbing from Swimming Pool to filter unit & pool valves, Plumbing from filter unit to Swimming Pool, Plumbing from filter unit to main drain, Plumbing from filter Unit to Suction point. Jointing of pipes shall be as per manufacturers installation manual.	
	UPVC PIPES	
	2" upvc pipe Sch 40	40.00
	2½" upvc pipe Sch 40	35.00
	3" upvc pipe Sch 40	10.00
	GREY PVC PIPES	
	2" Grey PVC pipe 10 kg/cm²	20.00
	6" Grey PVC pipe 10 kg/cm²	20.00
2	Control and Regulatory Valve	
	BALL VALVES	
	Providing and fixing 50 mm Ball Valve with complete with PN16 pressure rating, as per specification no. FF-VL/BV	5.00
	2½" Ball Valve	4.00
	NRV	
	Supplying and erecting 75/80 mm dia cast iron double flange NRV complete with PN16 pressure rating, as per specification no. FF-VL/NRV	6.00
	2½" Brass NRV	4.00
F	CHEMICAL FOR COMMISSIONING	
1	Chemical for Commissioning of Swimming Pool :- 50 kgs TCCA 90	1.00
G	COMMON MAINTAINANCE ACESSORIES	
	Algae Brush	
1	Swimming pool wall should be regularly brushed to prevent the build up of algae. For stubborn algae growth on the walls pf concrete pools, use an algae brush with stainless steel bristles to make cleaning easier.	1.00
2	Curved Poly Bristle wall Brush Great Brush, lasted all summer for pool care on above ground pool. Well made metal handle.	1.00
3	Heavy Duty Plastic Deep Bag Net Easily remove the leaves from your pool, spa, hot tub or pond for a sparkling clean finish in minutes! No mess - no headache Leaf Skimmers Net allows you to use it with a variety of standard.	1.00
4	Aluminium Vacuum Head Heavy duty Aluminium Vacuum Head durable & long lasting dynamic design as well as more efficient cleaning high quality concrete pool vacuum head suitable for most types of pool.	1.00
5	Extensible handles Extensible handles for cleaning attachments in anodized aluminium which can be adapted to the entire range of cleaning equipment, brushes, leaf skimmers and scoops.7.5mts.	1.00
6	Vacuum Hose Blue spiral wound vacuum hose with white cuffs for use with vacuums with a 1.25" diameter connector & 15 meter long. Spiral wound construction for strength flexibility & maximum flow rate. Superior tensile strength for crush resistant operation. UV & chemical resistance smooth spirel inner wall design for superior flow	1.00
7	Test Kit Accurate testing of pH, Chlorine, Bromine, Alkalinity & acid demand, Result in seconds, Perfect for both pools & spas Refill Kit Only.	1.00
H	ELECTRICAL CONTROL PANEL	
1	Electrical panel M.S. Cubical panel board made of 16/18swg. CRCA sheet duly semense grey texture powder coated Meter Set : 96mm x 96mm Ammeter 300/5A with – 3 Nos. C.T. S. 96mm x 96mm voltmeter 0/500 v with respective selector switches, phase indicators.	1.00

I	DOSING SYSTEM & OZONE SYSTEM	
1	Supply of Chemical Injection Pump of 0 - 5 LPH	1.00
2	Supply of Fittings & piping/tubing for chemical dosing	1.00
3	Supply of Chemical Dosing tank of polyethylene 100 ltrs capacity for pH and Chlorine with agitator	1.00
4	Ozone Generator (4 gms)	1.00
5	Ozone system piping with fittings	1.00
6	Connecting cable with fittings	1.00
J	INSTALLATION, TESTING & COMMISSIONING	
1	Installation, Testing & Commissioning of all the equipments associated with swimming pool including but not limited to filters, pumps, lights, all plumbing and electrical fittings etc as mentioned in the technical specifications and complete handing over to the satisfaction of construction manager.	1.00
K	Operational cost with One operator + Consumables, chemical.	
	a) Deploying One operators in 8 hours General shift along with Consumables, chemical. b) Backwashing of various filters as and when required. c) Chemical solution preparation and dosing chemicals as required after checking the pH and Residual Chlorine in the water and temperature of Pool. d) Carrying out the pool bottom cleaning using vacuum cleaning/suction sweeper of all the water bodies and swimming pool. e) Providing back office support for plumbing,electrical etc and quality control of water in the pool and Water bodies. f) Checking function of all the pumps and start and stop them as per their requirement. g) Ensure that the water in the pool is kept sparkling clear, clean and hygienic by maintaining the neutral pH and Residual Chlorine. h) Operate the Heat pump as and when required.	
a	Cost for 1st Year	
b	Cost for 2nd Year	
c	Cost for 3rd Year	
d	Cost for 4th Year	
e	Cost for 5th Year	

L	Non comprehensive AMC cost after DLP Period.	
	<p>Scope of NCMC :</p> <p>a) Each unit shall be serviced minimum FOUR TIMES A YEAR as preventive maintenance.</p> <p>b) Breakdown calls will be attended to trouble shoot any problem reported. The response time will be within 24 to 48 hours.</p> <p>c) Vendor shall attend routine troubleshooting of the Swimming pool.</p> <p>d) All routine minor repairs preventive maintenance and breakdown shall be attended .</p> <p>e) All the working areas and the surroundings shall be maintained to look clean and tidy.</p> <p>f) Checking of pumps, valves, filter etc for leakages in gasket & gland.</p> <p>g) Checking and lubrication of equipment's.</p> <p>h) Complete leakage testing, Oil and Greasing for Pumps (if required), and necessary maintenance will be done accordingly.</p>	
a	Cost for 1st Year	
b	Cost for 2nd Year	
c	Cost for 3rd Year	
d	Cost for 4th Year	
e	Cost for 5th Year	

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 Electrical Div/MB