

Name of Works: Repairs & Renovations Works - Civil & Waterproofing works at existing MCA International Cricket Stadium at Gahunje, Pune

Terms & Conditions

1	Maharashtra Cricket Association invites tender for repairs and renovations works as per attached BOQ
2	Tender fee for the said tender shall be Rs. 2,000 and interested bidder shall submit it in the form of cheque drawn in favour of Maharashtra Cricket Association
3	Tenders shall be submitted to Hon. Secretary, Maharashtra Cricket Association by email cricketmaharashtra@yahoo.com or by HARD COPY to Hon. Secretary, Maharashtra Cricket Association, At Post : Gahunje, Teh : Maval, Dist : Pune, Pin Code - 412 101 on or before 11:00 am by July 7th, 2023. <i>*Note : Maharashtra Cricket Association reserves the right to accept or reject the tender.</i>
4	Period of completion shall be 2 months (two months) from the date of commencement as per Work Order. No extension of time shall be granted for reasons whatsoever being time bound project and contractor shall liable to pay compensation for any delay @ 5% of the quoted contract sum for every week or part thereon beyond original date of completion as mentioned in Work order.
5	However, an incentives/bonus shall be awarded to the contractor for early completion of project as under:- (a) 5% of quoted total contract sum for completion before one week prior to original date of completion as mentioned in Work Order (b) 6% of quoted total contract sum for completion before two week prior to original date of completion as mentioned in Work Order (c) 7% of quoted total contract sum for completion before three week prior to original date of completion as mentioned in Work Order
6	Running bill payments shall be made on weekly basis upon certification from appointed Project Management Consultant for the said project
7	Mobilization advance shall be given to the contractor @20% of total contract sum against Bank Guarantee
8	All quoted rates shall be excluding GST. GST shall be paid at actual at then prevailing rate
9	Successful bidder shall submit 0.5% Security Deposit in BG/FDR form in order to release Work Order. Security Deposit shall be returned upon successful completion of the work
10	Any deviation from tendered items shall be approved by Project Management Consultant and Client prior to executing. Rates for the items not included in tender shall be mutually agreed.
11	Client reserves the right to delete or add any item in tender or increase or decrease the quantity of items as per site conditions
12	Water & electricity shall be paid free of cost to contractor by client for said work
13	Free of cost Labour accommodation shall be provided at site by client
14	Guarantee on Rs. 500 stamp paper shall be provided for water proofing works with final bill for period of 5 years

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Sr No.	Item of Work	Quantity	Unit	Unit Rate	Amount	Amount in Words
CIVIL RENOVATION WORKS						
1	<p>Providing and fixing in position Gypsum board false ceiling with 12.5 milimetre thick Gypsum boards, screwed/ fixed to the under structure of suspended galvanised iron Grid constructed and suspended from the main ceiling consisting of ceiling sections of size 25 x 50 milimetre maximum center to center distance of 600 milimetre perimeter channel and intermediate channels at maximum center to center distance 1200 milimetre galvanized grid should be fixed to reinforced cement concrete slab. The gypsum board should be fixed to galvanized iron grid with necessary screws. The boards should be taped and filled from underside to give smooth, seamless ceiling. The rate should include necessary additional ceiling sections and intermediate channels. Additional intermediate channels should be fixed to strap hangers for additional support to prevent strapping at every 1200 milimetre item to be completed in all respect including necessary sleeves for ducts finishing of joints cut outs, painting including labour, material, lifts etc. all complete.</p>	367.5	Square Metre			

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2	<p>Providing and fixing false ceiling with eco-friendly light-weight calcium silicate tiles of spintone surface texture "aerolite" make or equivalent of size 595mm x 595mm having 15 mm thick densified micro look edge and 100% humidity resistance incombustible as per BS 46 part IV and thermal conductivity 0.043 w/m 0 KC and NRC 0.50 placed in true horizontal level suspended grid of size 600 x600 mm made from hot dipped G.I. steel sections ion silhouette profile, rotary stitched double webbed white with 6mm reveal profile (white/black), wherein, main "T" runner of size 42 mmx14 mm between main 'T' 600 mm center-to-center and secondary cross "T" of size 33x14x0.43 mm thick of length 600 mm long spaced inter-locked at middle of the first crossed "T" in each panel to form grid of 1200 mmx600 mm resting on periphery wall Profile wall section 19mm (7+7) x 19 mm x 0.40 thicknesses and laying false ceiling for services like diffusers grills including cutting, making opening for light fittings, fixtures, smoke detectors etc., wherever required. Main "T" runners suspended from ceiling with using G.I. soffit cleats of size 25x35x1.6 mm of required length fixed to the ceiling with 6 mm dia and 50 mm long dash fastener, 4 mm dia. G.I. adjustable rods with powder-coated/ good quality G.I. level adjustment clips of 35x35x0.8 mm spaced @1200, center-to-center along main "T" all complete at all heights as per the specifications, drawings and as per the directions of</p>	302.5	Square Metre			

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Sr No.	Item of Work	Quantity	Unit	Unit Rate	Amount	Amount in Words
3	<p>Providing & Fixing of Armstrong or equivalent Mineral Fibre Acoustical Suspended Ceiling System with ultima (Bevelled Tegular) Edge Tiles With Armstrong or equivalent 15mm Exposed GRID. The tiles should have Humidity Resistance (RH) of 99%, NRC 0.7, Light Reflectance $\geq 85\%$, Thermal Conductivity $k = 0.052 - 0.057$ w/m K, Colour White, Fire Performance UK Class 0 / Class 1 (BS 476 pt - 6 &7) in module size of 600 x 600 x 20mm, suitable for Green Building application, with Recycled content of 32%. The tile shall be laid on precoated G.I.channel on XL2 Clip having a web height of 32 mm with 15 mm wide T - section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 32 mm and a load carrying capacity of 7.7 Kg/square metre & minimum pull out strength of 100 Kgs.. The T Sections have a Galvanizing of 90 grams per square metre and need to be installed with Suspension system of Armstrong or equivalent make. . The Tile & Grid system used together should carry a 10 year warranty. products approved as per GRIHA and BS 476</p>	1,024.00	Square Metre			

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Sr No.	Item of Work	Quantity	Unit	Unit Rate	Amount	Amount in Words
4	<p>Providing and fixing Mipolam Ambiance Ultra Everacre or approved equivalent of Tarkett or Armstrong make, 2mm thick homogeneous calendered compacted floor covering in sheet including capping & coving, with non directional design, colour dyed as a raw mixture to ensure even colour throughout the thickness including densely compacted surface for improved wear and ease of maintenance including Level 0 should be ensured with Self leveling compound. This includes providing, laying and curing of average maximum of 5mm thick self leveling compound of Level "0" Indiana floorings or as per manufacture's recommendation below the Vinyl flooring for achieving the smooth, hard and absolutely leveled surface to avoid undulations in the top vinyl flooring. Also it should receive a Polyurethane Reinforced (EVERCARE) special maintenance treatment for ease of maintenance and to avoid the use of an acrylic emulsion after installation. The flooring should comply with the EN 649 (34-43) and has a Group T (K5) wear rating. It is suitable for heavy traffic areas. Weight of the material is 2750 g/m². Procurement and installation of the vinyl flooring shall be started, only after Architects written approval on shade, make and methodology statement submitted by the contractor. the vinyl should be in multiple shades as per design. The installation should be done with gerflor or as per manufacture's recommended welding Rods. The rate shall be inclusive of all labour, material, wastage, scaffolding, transportation, taxes, including all</p>	1,024.00	Square Metre			
5	<p>Removing cement tiles, or marble or polished shahabad floor or dado without bed concrete including stacking the materials as directed with all leads, lifts, complete.</p>	340	Square Metre			
6	<p>Providing and laying ceramic tiles having size 30 cm. x 60 cm. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete.</p>	340	Square Metre			

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Sr No.	Item of Work	Quantity	Unit	Unit Rate	Amount	Amount in Words
7	<p>Providing & Fixing in position, Acoustical Panelling made from 12mm wp Ply wood & 1.5 mm laminate on, 50 x 50 mm Sal-wood frame of 600 x 600 mm center to center having wooden supports from wall of required length, in front of 1000 Gsm synthetic wool 50 mm thick with chicken mesh on wall side, including cost of required Cut-Outs, decorative mouldings / finishing-items / paint & Scaffolding, as per Architectural & Acoustical Design & Instructions & Complete in all aspects.including all materials labour,finishing etc. complete.</p>	751.14	Square Metre			
8	<p>Supply, fixing and installation of 4 mm thick Aluminium Composite Panel (ACP) of approved colour for external cladding in combination of solid and metallic colours, including all necessary Framework, support and complete weather sealing as per architectural drawing. The Aluminium Composite Panel (ACP) should be made out of thermoplastic core of low-density polyethylene LDPE (100% virgin mix), sandwiched between two aluminium sheets of ALLOY GRADE- 5000 series, each not less than 0.50 mm thick, total thickness of aluminium composite panels not to be less than 4 mm, the exposed surface thereof shall have Stove lacquered finishing coat not less than (26 + - 2) micron (containing minimum 70% kynar 500 based PVDF) of colour and shade as per architectural design. The inside surface (facing the building exterior surface)shall have polyster based powder coating not less than 25 Micron with protective peel-off foil on the exterior face (peel off film will in no case leave any adhesive mark over the composite panel surface after it is peeled off). The supporting framework shall be made out of 50 mm X25mm X 3mm thick Aluminium section to be spaced horizontally and vertically for fixing of panel of size 900 mm X 1200 mm and fixed to the building structure as per design through 50mm X50mm X5 mm MS angle clamps prefixed to masonry or slab, columns with Hilti make anchor fastener screws. The fixing of panel to be done with the help of VHB tapes and screws and all the sealing of joints to be done with weather sealent Silicon as directed by Engineer-in-charge. (Prior permission of S.E. is necessary before inclusion of this item in estimate)</p>	70	Square Metre			

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Sr No.	Item of Work	Quantity	Unit	Unit Rate	Amount	Amount in Words
9	<p>Providing and fixing Mipolam Ambiance Ultra Everacre or approved equivalent of Tarkett or Armstrong make, 3.00 mm thick homogeneous calendered compacted floor covering in sheet including capping & coving, with non directional design, colour dyed as a raw mixture to ensure even colour throughout the thickness including densely compacted surface for improved wear and ease of maintenance including Level 0 should be ensured with Self leveling compound. This includes providing, laying and curing of average maximum of 5mm thick self leveling compound of Level "0" Indiana floorings or as per manufacture's recommendation below the Vinyl flooring for achieving the smooth, hard and absolutely leveled surface to avoid undulations in the top vinyl flooring. Also it should receive a Polyurethane Reinforced (EVERCARE) special maintenance treatment for ease of maintenance and to avoid the use of an acrylic emulsion after installation. The flooring should comply with the EN 649 (34-43) and has a Group T (K5) wear rating. It is suitable for heavy traffic areas. Weight of the material is 2750 g/m². Procurement and installation of the vinyl flooring shall be started, only after Architects written approval on shade, make and methodology statement submitted by the contractor. the vinyl should be in multiple shades as per design. The installation should be done with gerflor or as per manufacture's recommended welding Rods. The rate shall be inclusive of all labour, material, wastage, scaffolding, transportation, taxes, including all</p>	866	Square Metre			
10	<p>Providing and fixing P.V.C. Rain Water pipes of 110 mm outer diameter and having wall thickness of 2.2 to 2.7 mm conforming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number, filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on cement concrete or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete.</p>	90	Running Metre			

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Sr No.	Item of Work	Quantity	Unit	Unit Rate	Amount	Amount in Words
11	Conveying materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods, dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as directed.	350	Cubic Metre			
12	Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm. x 30 cm. and conforming to I.S.15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. complete.	192	Square Metre			
13	Lowering down the debris obtained from breaking and removing the cement plaster/ burnt brick masonry of the first floor by any means without causing dust nuisance and damage to structure, stacking the same as and where directed including cleaning the site complete.	350	Cu.m			
14	Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/bolted/welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete.	8.32	Metric Tonne			

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Sr No.	Item of Work	Quantity	Unit	Unit Rate	Amount	Amount in Words
15	<p>METAL FALSE CEILING WITHOUT SUSPENSION SUPPORT FROM TRUE CEILING: Providing & fixing horizontal level suspended metal ceilings comprising of Metalworks F-H 600 Hook-on corridor system manufactured by Armstrong Ceiling Solutions with Rectangular panels made of 0.7mm thick Galvanised Steel (GI) of 120gsm, post coated to Global White colour, suitable for Interior applications and architectural finishes, double grid concealed system and butt joint panels. The panel width shall be 300mm, length ranging from 1500mm to 2660mm. General Specifications:Entire system to be designed for Interior applications, and concealed Grid, Butt joint panels. Panel Specifications: Material: The F-H 600 rectangular Hook-on panels to be made of galvanized steel (GI) of minimum 120gsm hot dipped galvanization (both sides included) as per IS 277 (2003), zero or minimum spangled, in minimum base material thickness of 0.7mm as per in IS:513 (1994). Dimensions: The panel Length varies between 1500mm to 2660mm, panel Width shall be 300mm. The dimensional tolerances for length shall be ± 1.0mm up to 1000mm L; ± 1.5mm between 1001 to 2000mm L; ± 2.0mm between 2001 to 3000mm L. The dimensional tolerances for width shall be ± 0.5mm up to 300mm W. Dimensional Tolerances for panel Thickness / panel width / panel length - to be measured in accordance with TAIM standards. Edge detail: the panels shall ha+A3ve Square Edge, with a 3mm(W) x 8mm(H) black foam gasket glued at the edges, typically on one long and one short side. All adjacent panels shall touch each other forming a butt joint and concealed grid visuals. Upturns: The short side of the panel shall have vertical upturns of minimum 30mm (H) and shall be bent appropriately bent as per the manufacturer's specifications for providing hook-on ends. The long side shall have inside horizontal bends of 5-15mm for rigidity and vertical upturns of 40mm (for length ranging from 1251-2660mm). Surface Finish: Plain: The panels shall be in plain unperforated finish (without any acoustical backing / felt). Colour and finishes: The panel surface shall be electrostatically powder coated (post coat) on visible side after mechanical production, using RoHS compliant powder, to achieve</p>	560	Square Metre			

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Sr No.	Item of Work	Quantity	Unit	Unit Rate	Amount	Amount in Words
	<p>coating thickness ranging from 60-80μ and architectural quality finish. The powder coating shall pass Salt Spray Test for 750 Hours as per ASTM B117, QUV –A Test for 1000hours as per ASTM G-154 – (Cycle – 1) and Humidity test for 1000hours as per DIN 50017, 250 hours of condensation test (as per DIN 50017 or DIN EN ISO 6270-1 Norms), UV resistance of 500 hours and 50% gloss retention (as per ASTM G 154 UVB-313 Norms). The powder coating shall have an adhesion of GT0 as per EN ISO 2409. The shade variation across batches shall be delta E (Δe) <1 measured using Excite/BYK Gardner instrument and gloss level of 25\pm5% at 60° as per ASTM D523. The colour / shade to be Global White (Polyester for Interior) as approved by the Architect or Engineer-in-charge. Surface Protection: The visible panel surface shall be protected using a guard film made of LDPE of 50μ thickness, having appropriate surface adhesion (or tackiness) corresponding to surface gloss level. Light reflectance: The panel shall have a Light Reflectance of \geq 63% in accordance to ASTM 1477-98. Flatness and Sag limit: Panels shall be flattened by precision leveller to minimize sag to less than Length/400mm. The difference between the two diagonal dimensions of the panel to be less than 1mm. The sag to be measured at the center in accordance with TAIM standards. Access and Plenum space: The panels to be Fully Accessible, with system height of 98mm, and would require a plenum height of a minimum 450mm clear space from bare ceiling / rigid structure for installation. Packaging: The Panels shall be packed in wooden crates of appropriate dimensions based on panel sizes. The wooden planks for crates shall have thickness of approx.15mm, width of around 4l and gap between two planks around 3l. Crates to have layer separators of 11 x 2l dimensions to prohibit load transfer on bottom panels, and the crates lifting to be 2way or 4way. The bottom of crates shall be completely closed, and the panels kept inside shall have cushioning of corrugated sheets or other appropriate material. Installation Specifications: Primary and secondary runners Installation: U- Profiles, spaced at 1200mm, to be suspended from ceiling using</p>					

WATER PROOFING WORKS - CEILING AREA OF CORPORATE BOXES (UPPER CONCOURSE FROM INNER FACE OF BALCONY TO OUTER LINE K GRID SITTING AREA) - PU COATING WITHOUT REINFORCEMENT

16	a) Cleaning the dust, dirt, oil, any loose particles etc on the surface.	3234.85	Sq.m			
	b) Treating the visible cracks by opening the cracks in the shape of V and filling it with flexible crack filler ‘Calisto Flex seal’.					
	c) After treatment of cracks, applying primer coat of ‘Neo proof Multi prime’ on the entire surface as per the manufacturer’s specifications.					
	d) After drying, applying 2coats of ‘Neo proof PU coat’ as per the manufacturer’s specifications. And let it dry					

WATER PROOFING WORKS - CEILING AREA OF KITCHEN AND ELECTRICAL PANEL ROOM- PU COATING WITH REINFORCEMENT

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17	a) Cleaning the dust, dirt, oil, any loose particles etc on the surface.	604.09	Sq.ft			
	b) Treating the visible cracks by opening the cracks in the shape of V and fill it with flexible crack filler 'Calisto Flexi seal'.					
	c) After the complete surface preparation as mentioned above, applying Reinforced coating of 'Neo proof PU Coat' on the entire surface.					
	d) Applying first primer coat of 'Neo proof Multi prime with 1:3 dilution with water (1Kg Neo proof Multi prime and 3Ltr water). Apply 1st coat of 'Neo proof PU coat' with 1:0.3 dilution with water and Lay 50 GSM fleece on the surface immediately and apply second coat with 1:0.3 dilution with water (1Kg 'Neo proof PU Coat' and 300ml water) over the waterproofing net immediately such as fleece gets completely embedded in the chemical. Let it dry. Apply third coat final coat on the surface with 1:0.3 dilution with water and let it dry.					
18	Providing Autoclaved Aerated Concrete Block masonry of conforming to IS:2185 (Part 3) - 1984 in extra fine jointing mortar of fixoblock of UltraTech or equivalent in superstructure including striking joints, raking out joints and scaffolding etc. Complete.	20	Cu.m			
19	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1Kilogram per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.	128	Sq.m			

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20	<p>FOR HIMAST FOUNDATION - Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)</p>	9.6	Cu.m			
Total Rs.						
Say Rs.						