

**PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR
MUMBAI CRICKET ASSOCIATION**

SUMMARY SHEET

SR NO	DESCRIPTION	QUANTITY
1	PRESIDENT BOX - 2	
2	A.C. ENCLOSURE	
3	CONSTRUCTION OF LIFT & ALLIED WORKS	
		TOTAL
		ADD GST @ 18%
		GRAND TOTAL

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
1	Demolishing existing concrete (PCC) by manual / mechanical means including stacking of serviceable material and disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	100.00	Cmt		
2	Demolishing brick work in cement mortar including plaster, paint, etc. manually / by mechanical means including stacking of serviceable material and disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	40.00	Cmt		
3	Dismantling old plaster and cleaning the surface for plaster including disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	200.00	Smt		
4	Dismantling of existing false ceiling including disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	1,200.00	Smt		
5	Providing and laying machine cut and mirror polished approved coloured ITALIAN MARBLE SLAB approved size, 20 mm +/- 2 mm thick of approved quality with approved quality, Italian marble inlays for flooring in required pattern on a bed of 1:4 cement mortar 25- 30 mm average thickness including neat cement float, filling joints with neat coloured cement slurry, curing, polishing and cleaning complete. NOTE:- In above item cement mortar should be with white cement & for joint should be with white or colour pigment cement to match the flooring colour.	450.00	Smt		
6	Providing and fixing machine cut and mirror polished approved coloured ITALIAN MARBLE SLAB in cladding with inlays of approved size, 12mm + 02mm thk. Of approved quality for required pattern on a bed of 1:4 CM plaster 25mm average thickness including neat cement float, filling joints with neat coloured pigment, curing, polishing and cleaning etc. complete. NOTE:- In the above item cement floating should be of white cement base . The above item is including clamps & pins required for fixing Italian marble cladding. The same needs to be considered by the bidder while quoting the rates. Nothing extra what so over shall be considered.	200.00	Smt		
7	Providing and laying in position flooring of granite stone of approved shade and size 18mm to 20mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete. Basic rate of granite - Rs. 350 /Sft	200.00	Smt		
8	Moulding and Nosing of "Italian Marble" as per design and as per instruction.	100.00	Rmt		
9	Moulding and Nosing of "Granite Marble" as per design and as per instruction.	100.00	Rmt		
10	Providing and Fixing Fluted Italian Marble as per the design provided by the architect	40.00	Smt		
11	Providing and Fixing Wooden Paneling as per the design provided by the architect	300.00	Smt		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
12	Providing and applying plaster / wall punning with plaster of paris (with plaster of paris material) in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc.complete.	600.00	Smt		
13	Providing and applying wall coverings (wallpapers) in (with Matte, Texture & Silk finishes) which are water resistant, scratch resistant and fire retardant	125.00	Smt		
14	Providing and applying Royale Acrylic Emulsion paint on internal wall surface as detailed below Scrapping for surface with emery paper and wipe clean for area. Applying wall primer with brush by adding mineral turpentine oil by 8 to 10 % or water by 15 to 20% allowing to dry for 6 to 8 hours. After applying acrylic wall putty with appropriate proportion of water of allow to dry for period of 4 to 6 hours of activity. Scrapping with emery paper and wipe clean Applying paints Royale Luxury emulsion 1st coat with brush water content water 40 to 45% or 65 to 70% by role Applying paints Royale luxury emulsion 2nd coat with brush with water content 40 to 45 % or 65 to 70 % by roller. (The colour and shade should be as approved by the architect.)	1,200.00	Smt		
15	Providing and applying two coats of textured synthetic paint of approved shade and quality and one coat of primer before applying textured paint including scaffolding if necessary preparing surface by thoroughly cleaning oil, grease, dirt and other materials as required, etc. complete. (The colour and shade should be as approved by the architect.)	100.00	Smt		
16	Supply and installation of Demountable Modular Aluminium Frame Glass Partition, Single glazed system compromising of 10mm Toughnend Glass and Aluminium profile Sections of size 75MM x 30MM for fixing at Floor level and at false ceiling level with approximate brackets and expansion bolts of standardised S.S. Finish. All Hardware made of standardised S.S. finish etc. complete. The Profile features and double sided adhesive tape guarantees perfect structural union and sound insulation. This item is inclusive of a glass door opening of size .9 x 2.1m with all accessories inclusive	25.00	Smt		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
17	<p>Providing and fixing in position Gypsum board false ceiling with 12.5 mm thick Gypsum boards, screwed/ fixed to the under structure of suspended G.I. Grid constructed and suspended from the main ceiling consisting of ceiling sections of size 25 x 50 mm 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. (The false ceiling will be inclusive of coves and cornices as per the design and drawings provided by the architect)</p> <p>Note: The screws used should be of brass and the suspenders should be of galvanized iron</p>	500.00	Smt		
18	<p>Supply and fixing of 1mm (10% +/-) Polymer Based false ceiling of approved manufacturer with Perforation if deemed required, of panel sizes of 340mm x 3060mm // 340mm x 4000mm along with option to custom size to a maximum of 12800mm in length in approved shade, manufactured in India, made with High temperature thermal transfer technology, waterproof, fire retardant and anti-bacterial. Termite resistant, rust proof material. Panels to be installed with GI sections of suitable gauge & size, subject to change according to site conditions. Panels to be installed using suitable, same shade J-Trim with dimensions 39x20x3060/4000 (all in mm) for edge profiles and Connector with dimensions 76x20x3060/4000 mm, using same shade for connecting panels, using outside corner with dimensions 61x63x3060, which can be used in +90 degree corners and inside corner having dimensions 28x76x3060 which can be used for -90 degree corners. Panels are maintenance free and with 10 years warranty for colour & finish of the panels Including trims of approved manufacturer recommended. All material, accessories, ancillary components all as per recommendation of approved manufacturer. The rates shall be inclusive of all material, labour, wastage, scaffolding upto 12 ft. , all lead & lifts, making cut-out for light fixture and other MEP utilities as per GFC drawing and making good with suitable accessories etc. all complete as per manufacturer and as directed by the architect</p>	75.00	Smt		
19	<p>Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing</p>	40.00	Smt		
20	<p>Providing and fixing 2 seater sofa as the drawings and design suggested by the architect</p>	2.00	Nos		
21	<p>Providing and fixing 1 seater sofa as the drawings and design suggested by the architect</p>	4.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
22	<p>Supplying and fixing fix back tip up chairs gaving below mentioned properties</p> <p>Stand – Base to be 200 x 75 x 6 mm. M.S.Flat welded to 38 x 38 x 2 mm, CRCA tube 22", long further supported to 38 x 38 x 2 mm – 11" long CRCA tube.</p> <ul style="list-style-type: none"> ➤ Tip – Up movement supported by 200 x 75 x 6 mm M.S.Flat with M.S. twin support 12 mm in Dia. ➤ Seat Bracket to be 12 x 25 x 100 mm M.S.Flat welded to a plate of 80 x 100 x 3 mm. ➤ Back Bracket to be 200 x 70 x 70 mm of 1.6 mm thick, CRCA sheet with 2 longitudinal holes for bolting <p>Back</p> <ul style="list-style-type: none"> ➤ Back made of 14 mm thick plywood size 480 x 430 mm, fused with Polyurethane foam of 480 x 430 mm having density of 48 +/- 5 kg/m3 and duly upholstered with foam laminated fabric cover. All bolts to be received by dash nuts CNC milled threaded and nailed of size 20 x 10 mm. 	100.00	Nos		
	<ul style="list-style-type: none"> ➤ Seat ➤ Seat made of 18 mm thick bent plywood, size 480 x 430 mm, fused with polyurethane foam of 480 x 430 mm having density of 50 +/- 5 kg/m3 and duly upholstered with foam laminated fabric cover. All bolts to be received by dash nuts CNC milled threaded and nailed of size 20 x 10 mm. • Spring for tip-up movement: <ul style="list-style-type: none"> ➤ Spring for seat auto tip-up torsion (Confirming to grade 2) tested for 5,000 cycles, to be used for tip-up movement. ➤ Side Panel ➤ All side panels to be of 12 mm plywood fused with foam laminated fabric to cover all metal parts. • Upholstery Fabric <ul style="list-style-type: none"> ➤ 100% polyester stretch fabric available in various colours, to be fused with 5mm / 7.5mm foam, wherever quilting is required. ➤ Option of FR coated fabric passing test BS-EN-1021:1&2 / BS 5852 Part 1. ➤ Option of Inherent FR fabric passing test FAR 25.853/Part-I. • ARM REST– OPTIONS <ul style="list-style-type: none"> • Wooden Waterfall Handles / Black PU arms <ul style="list-style-type: none"> ➤ To be of size 430 x 30 x 60 mm, polished in natural or shade as desired by client. • Small Cup holders <ul style="list-style-type: none"> ➤ Size 480 x 100 x 40 mm duly ribbed and supported by 12mm thick plywood insert, size 360 x 65 mm duly cushioned and upholstered. <p>Installation</p> <ul style="list-style-type: none"> ➤ For installation, chairs are bolted to the ground using chemical fasteners of Hilti or any other similar brand. 				
23	Providing and fixing bar table as per the drawings and design provided by the architect	1.00	Nos		
24	Providing and fixing service table as per the drawings and design provided by the architect	2.00	Nos		
25	Providing and installing chandeliar of approved make as per the design provided by the architect	2.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
26	Providing and fixing modesty panels as urinal partitions of size 1200 x 450mm made from 12mm HPL boards od design and surface as selected by the architect. The modesty panels are to be fixed with SS 304 right angle brackets or polyamide grade 6 (nylon) brackets.	4.00	Nos		
27	Supplying & Installing Stainless Steel Railing of with Top rail using S.S.Pipe of Grade AISI -304 using 51 mm diapipe with wall thickness of 1.6 mm inclding fabrication ,Cleaning ,Buffing & polishing etc.complete. Mid rail by using S.S.PipeofGrade AISI -304 with 2 Nos. S.S. pipes of 16 mm dia& 12 mm thick toughened glass pannel including fabrication, Cleaning ,Buffing &polishing etc. complete . The BALUSTAR is to be of satin finish stainless steel vertical post (Balustar) of AISI 304 grade of 47R4series ,etc.complete.(The height of the railing is to be 1.05 meter)	20.00	Smt		
28	All the surfaces of veneer which form part of the elevation design and offsets shall be polished with matt PU melamine which shall be water based.with necessary surface prepration and as per instruction.To Grove Kani, Dhar and Moulding area.	200.00	Smt		
29	Providing and fixing the 15mmx15mm " Metal Gold " (Matt) with special adhesive as per the approved design and as per instruction.	100.00	Smt		
30	Providing and fixing the 280mmx280mm " KitKat Tiles " with special adhesive as per the approved design and as per instruction.	50.00	Smt		
31	Providing and fixing TV console as per the drawings and design provided by the architect	1.00	Smt		
32	Providing and Fixing Fluted Glass Partition as per the drawings and design provided by the architect	40.00	Smt		
33	Providing and fixing dining table as the drawings and design suggested by the architect	6.00	Nos		
34	Providing and fixing dining chairs as the drawings and design suggested by the architect	26.00	Nos		
35	Poly Urea treatment on Steps	375.00	Smt		
36	Anti Termite Treatment	300.00	Smt		
37	Providing and fixing TV & Refrigerators as per selection by architect / client				
a	85"	2.00	Nos		
b	55"	1.00	Nos		
c	42"	1.00	Nos		
d	32"	1.00	Nos		
e	Refrigerator Small	1.00	Nos		
38	Signages	80.00	Nos		
39	Phtoframes	15.00	Nos		
40	Fans				

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
a	Black	20.00	Nos		
b	White	20.00	Nos		
41	White Teak Lights				
a	Wait For me Lights	9.00	Nos		
b	Tipsy Wall Lights	6.00	Nos		
42	Air Freshners	5.00	Nos		
43	Shoe Polish Machine	1.00	Nos		
44	PCC Upto 60mm Depth	400.00	Smt		
45	Anti Reflection Films On Glass Railings	70.00	Smt		
46	Frosted Films	30.00	Smt		
47	Cupboard or Cabinets	1.00	Nos		
48	Nahani Traps Box Cutting	10.00	Nos		
49	Wooden Polishing	125.00	Smt		
50	Air Curtains	2.00	Nos		
51	Providing and erecting Steel scaffolding with proper safety norms and removing and carting away after completion of work.	200.00	Smt		
52	Providing & Fixing Aco Drain above Players Room	1.00	Nos		
53	TOILET AREAS WATERPROOFING	50.00	Smt		
	Surface preparation: Break & remove the existing waterproofing layer and reach upto RCC slab level followed by cleaning and preparation of surface with the help of wire brush and hand grinder. Remove all loose concrete, dust with air blower. Undulation in RCC slab surface, honeycombs, pin holes, imperfections should be chiselled to the sound substrate and repair with Polymer Modified Mortar.				

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
	<p>Waterproofing system for Floor areas and upto 300 mm height on the verticals: Providing and applying two component high performance polymer modified cementitious waterproofing coating, having minimum thickness of 1.00 to 1.2 mm thickness, waterproofing membrane having properties elongation of 120%, Tensile strength 1 N/mm² (As per ASTM D412), Shore A hardness of 60 (As per ASTM D 2240) and Crack bridging up to 2mm (As per ASTM C836) including reinforcing the coating with 45gsm glass fibre mesh at all corners. The coating shall be applied with a total consumption of 2.0-2.1 Kg/Sqm in two to three coats on the entire horizontal and will be extended vertically up to 300mm above FFL on the vertical surface as per manufacturer's specification and methodology. The system includes base preparation of cleaning, brushing and removal of flacky materials, grouting the porous area with cementitious grout, sealing the minor cracks, proper coving of 50 x 50 mm between slab and wall junctions and pre-wetting the surface to attain SSD condition before application of the waterproofing coating, followed by the application of waterproof coating.</p>				
	<p>Treatment around pipe entry / exit locations from internal side : All the pipes to placed / inserted in the core cut areas, shall be placed appropriately to be grouted around the cut bores. Roughening the pipe surface with hacksaw blade and applying a coat of SBR modified latex, URP or approved equivalent and sprinkling sand for proper adhesion. Grouting the gaps between the pipe and the core cutting by high strength non-shrink cementitious grout, that shall be poured into the gaps after fixing in place an effective leak-free shuttering and support. Allow the grout to set for 24 hrs. And do the moist curing for 5 days. The area around the pipes (10mm) shall be filled with hybrid PU Sealant.</p>				
	<p>Horizontal Protection: Light weight Block Bat Coba for slope & protection for sunk slab: Providing & laying light weight block bat coba of minimum 150 mm thick laid over a bed of cement mortar (1:4), including admix with integral waterproofing compound LW+ conforming to IS 2645:2003@ 200 ml per bag of cement, and finishing and keeping the surface smooth, at the corners, curing and testing for water tightness for 7 days etc. complete.</p>				
	<p>Vertical protection: Supplying and applying 15mm thick polymeric waterproof plastering with CM 1:4 admixed with integral waterproofing compound URP at 0.2litre/bag of cement.</p>				
54	<p>Providing and laying in position 10 mm thk. vetrified tiles of approved make in dado of approved shade, height upto 2400 mm, fixed on back coat of cement mortar, pasted with cement slurry or tile addressive, with proper level and alignment to match the layout pattern including raking joints filled with acrylic adhesive compound with matching pigment to provide uniform texture and finish, having top edge chamfered finished with wall finish flush groove of 6mm x 6 mm, etc. as including making cutouts for the sanitary fixtures and fittings and making good for the same complete as per drawing or as directed. Including breaking and require level plaster etc completed. Basic Rate of tile 80/sft.</p>	50.00	Smt		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
55	Supplying and fixing Rimless, Blind Installation Wall Hung WC with soft close slim seat cover of 3/6 litre, hinges, accessories set of reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fittings shall have provision of water flow regulation mechanism.	6.00	Nos		
56	Supplying and fixing Concealed Flush Valve Complete with 32mm Size Control Cock & 200mm Long Operating Lever of reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fittings shall have provision of water flow regulation mechanism	6.00	Nos		
57	Supplying and fixing Hand shower (health faucet) with 8mm dia 1.2 meter long flexible tube and wall hook, reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fittings shall have provision of water flow regulation mechanism	6.00	Nos		
58	Supplying and fixing 2way bib cock Complete reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect.	6.00	Nos		
59	Supplying and fixing Toilet Roll Holder reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect.	6.00	Nos		
60	Supplying and fixing Double coat hook reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect.	6.00	Nos		
61	Providing and fixing Undercounter/ Overcounter rectangular wash basin with C.I. brackets, PRESSMATIC Taps Pillar cock Auto closing system of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	4.00	Nos		
62	Supplying and fixing Waste coupling 32 mm size full thread with 130 mm height reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fittings shall have provision of water flow regulation mechanism	4.00	Nos		
63	Supplying and fixing Bottle trap 32mm size with 300 mm and 190 mm long wall connection pipes and wall flange, reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fittings shall have provision of water flow regulation mechanism	4.00	Nos		
64	Supplying and fixing angular stop cock with wall flange , reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fittings shall have provision of water flow regulation mechanism	4.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
65	Supplying and fixing Liquid Soap dispenser with ss bottle 0.75litre , reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect.	4.00	Nos		
66	Supply and fixing 2000x1200mm size best quality mirror of Modi make of thk. 6mm. With copper backing fixed to 8mm thk. Plywood sheet CP hooks, CP screws etc. complete.	4.00	Nos		
67	Providing and fixing white glazed Urinal with Pressmatic auto closing valve having flow rate up to 4.0 Litr/Minute of Jaquar/Cera/Hindware /Perryware or equivalent make with P.V.C. waste pipe with fitting arrangement etc.complete as directed by Engineer in charge.(Make shall conform to manufacturer's Green product and shall got approved from the Engineer In Charge.)	5.00	Nos		
68	Supplying and erecting industrial 304 stainle ss steel jet hand dryer heavy duty motor complete.	2.00	Nos		
69	Supplying and erecting tissue paper dispensor wall mounted complete.	2.00	Nos		
70	Supplying and erecting roll towel dispensor wall mounted complete. Make Dolphy/cronax/dyson Basic range- 3000rs to 6000rs	2.00	Nos		
71	Supply & fixing of Chair Bracket	6.00	Nos		
72	Providing fixing 30 mm flush door with approved lamination as require as replacement to old damaged door removing old one including all fitting and fixture and door closer as directed by architect / engineer in charge	15.00	Smt		
73	Vynyl Sticker	5.00	Smt		
74	Supplying, laying and fixing heavy quality CPVC SDR 11 pipes Concealed of approved brand confirm to ISI including necessary PVC heavy brass fittings such as elbows, tees reducing fittings, bends, unions, checknuts, couplings, etc. all ISI marked, fixed with long screws and heavy G.I. clamps				
a	15mm dia.	100.00	Rmt		
b	20mm dia.	20.00	Rmt		
c	25mm dia.	10.00	Rmt		
d	32mm dia.	50.00	Rmt		
e	40mm dia	10.00	Rmt		
75	Providing and fixing on walls/ ceiling/ floor uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.				
a	15mm dia.	5.00	Rmt		
b	20mm dia.	10.00	Rmt		
c	25mm dia.	50.00	Rmt		
d	32mm dia.	80.00	Rmt		
e	40mm dia.	50.00	Rmt		
f	50mm dia.	40.00	Rmt		
g	65mm dia.	5.00	Rmt		
h	80mm dia.	5.00	Rmt		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
i	100mm dia.	5.00	Rmt		
76	Making holes of 6" in RCC slab,beam,chajja & making good the same using core cutting machine etc complete as directed	10.00	Nos		
77	Making holes in block/brick masonry of any diameter (upto 300 mm max.) and making good the same in plumbing duct	10.00	Nos		
78	Breaking Zari to in wall to fix CPVC pipe as per pipe dia and reinstate the with M100 after testing.	500.00	LM		
79	Providing and fixing gun metal BALL/BUTTERFLY valve PN16 with of approved quality (screwed/flange end) :				
a	15 mm nominal bore	1.00	Nos		
b	20 mm nominal bore	5.00	Nos		
c	25 mm nominal bore	5.00	Nos		
d	32 mm nominal bore.	5.00	Nos		
e	40 mm nominal bore	5.00	Nos		
f	50 mm nominal bore	5.00	Nos		
g	65 mm nominal bore	1.00	Nos		
h	80 mm nominal bore	1.00	Nos		
i	100 mm nominal bore	1.00	Nos		
j	150 mm nominal bore	1.00	Nos		
80	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) : 50 mm dia	2.00	Nos		
81	Supplying & erecting Butterfly motorised valve with low & high float switches for over head tank domestic and flushing with control panel including all accessories	1.00	Set		
82	Providing and fixing 8 cm C.I. Nahani/multi nahani Trap/ clean out including C.I. grating bend and piece of C.I. pipe upto the outside face of the wall complete.	30.00	Nos		
83	Supplying and fixing heavy quality uPVC Type B soil pipe with G.I coated holder bat clamps including Jointing solution as per manufaturer to required lengths etc. complete, including all tools and stackle and schafoldint etc completed				
a	50mm dia.	100.00	Rmt		
b	75mm dia.	200.00	Rmt		
c	100mm dia.	200.00	Rmt		
84	Providing & fixing rain water outlet C.I grating etc completed.	2.00	Nos		
85	Removing of water closet, wash basin, shower, urinal, sink including fittings etc complete	15.00	Nos		
86	Removing G.I. pipes internal exposed of any size including fittings etc complete	10.00	Rmt		
87	Removing G.I. pipes internal concealed of any size including fittings etc complete	200.00	Rmt		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
88	Removing drain pipe (soil, waste water, ventilating or rain water) of any size with all fittings including as directed.	100.00	Rmt		
89	Removing CI & cowl caps of any size over pipes.	5.00	Rmt		
	LT WORK (MAIN PANELS & DISTRIBUTION BOARDS)				
90	Supplying & erecting triple pole and neutral Per phase isolation distribution board (PPI VERTICAL TPONDB) with double door surface/ flush mounted SPMCB of 36 poles, 12 WAY on iron/ GI frame/wooden board.(horizontal busbar type) as per specification (Lighting Distribution Board) Incomer :- 1 No TPN MCB 63A, B- series in provided distribution board as per specification Outgoing :- 3 No = 2 pole RCCB/RCBO only of electromagnetic type with 30/100/300 mA sensitivity and having capacity of 25 TO 40 A complete as per specification. Outgoing :- 36 No = SPMCB 6A to 32A, B-series in provided distribution board as per specification with all Accessories etc complete.	3.00	Nos		
91	Supplying & erecting triple pole and neutral Per phase isolation distribution board (PPI Vertical TPONDB) with double door surface/ flush mounted SPMCB of 36 poles, 12 WAY on iron/ GI frame/wooden board.(horizontal busbar type) as per specification (Power Distribution Board) Incomer :- TPN MCB 63 A, C- series in provided distribution board as per specification Outgoing :- 3 No = 2 pole RCCB/RCBO only of electromagnetic type with 30/100/300 mA sensitivity and having capacity of 25 TO 40 A complete as per specification. Outgoing :- 36 No = SPMCB 6A to 32A, C-series in provided distribution board as per specification with all Accessories etc complete.	0.00	Nos		
92	Supplying & erecting triple pole and neutral Per phase isolation distribution board (PPI Vertical TPONDB) with double door surface/ flush mounted SPMCB of 18 poles, 6 WAY on iron/ GI frame/wooden board.(horizontal busbar type) as per specification (View Box Power Distribution Board) Incomer :- TPN MCB 32/40 A, C- series in provided distribution board as per specification Outgoing :- 3 No = 2 pole RCCB/RCBO only of electromagnetic type with 30 mA sensitivity and having capacity of 32 A complete as per specification. Outgoing :- 18 No = SPMCB 6A to 32A, C-series in provided distribution board as per specification with all Accessories etc complete.	0.00	Nos		
93	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 10A, 2 pin plug and earth socket and 10A, 3 pin plug top with 10A single pole miniature circuit breakers erected on angle iron/ GI frame complete.	0.00	Nos		
94	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 20A, 2 pin plug & earth socket and 20A. 3 pin plug top with 20A/30A single pole MCB complete erected on angle iron/ GI frame.	1.00	Nos		
95	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 30A, 3 pin plug & earth socket and 30 A 3 pin plug top with 30A triple pole MCB complete erected on angle iron/ GI frame.	0.00	Nos		
96	Supplying and erecting 40A MCB with Weather Proof IP 54 rate enclosure for MCB suitable for upto 40A ELCB+MCB complete.	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
97	Supplying and erecting 63A MCB with Weather Proof IP 54 rate enclosure for MCB suitable for upto 63A ELCB+MCB complete.	0.00	Nos		
98	Supplying & erecting CRCA sheet metal one way enclosures suitable for DP MCB /TP MCB /FP MCB erected on angle iron/GI frame complete.	0.00	Nos		
	LT WORK (MAIN ARMoured CABLES, CABLE TRAY, FLOOR TRUNKING, PVC TRUNKING DISTRIBUTION WORK)				
99	Supplying, erecting & terminating XLPE armoured cable 4 core 25 sq. mm. aluminium conductor FRLS with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
100	Supplying, erecting & terminating XLPE armoured cable 4 core 4 sq. mm. copper conductor FRLS continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
101	Supplying, erecting & terminating XLPE armoured cable 4 core 6 sq. mm. copper conductor FRLS continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
102	Supplying, erecting & terminating XLPE armoured cable 4 core 10 sq. mm. copper conductor FRLS continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
103	Supplying, erecting & terminating XLPE armoured cable 4 core 16 sq. mm. copper conductor with FRLS continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
104	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates, Tee, Bends, 4way & hardware in approved manner.	31.00	Rmt		
105	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 200 mm width & 75 mm height complete with necessary coupler plates, Tee, Bends, 4way & hardware in approved manner.	29.00	Rmt		
	LT WORK (MAIN CIRCUIT WIRING, CONDUIT, SWITCH SOCKET MODULE DETAILS DISTRIBUTION WORK)				
	POINT WIRING				
106	Primary Point wiring for light/fan/bell hybrid type (Surface type under false ceiling and concealed type for drops & switch boards on walls) in min 20 mm PVC conduit with 1.5 sq.mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification (Note:- Maximum Length Upto 6 to 10 Mtr from Switchboard)	82.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
107	Secondary point wiring for additional light/ bell point, hybrid type (Surface type under false ceiling type in min 20 mm FRLS grade PVC conduit with 1.5 sq.mm. (2+1E) FRLSH gradecopper wires with required accessories as per specification (Note:- Maximum Length Upto 3 to 5 Mtr from Primary Point)	109.00	Nos		
108	Group Control Light Point Wiring 4-8 Points Controlled hybrid type (Surface type under false ceiling type in min 20 mm FRLS grade PVC conduit with 1.5 sq.mm. (2+1E) FRLSH gradecopper wires with required accessories as per specification by One 15 A SP Switch (Note:- Maximum Length Upto 20 to 25 Mtr from Switchboard)	9.00	Nos		
109	Group Control Light Point Wiring 4-8 Points Controlled hybrid type (Surface type under false ceiling type in min 20 mm FRLS grade PVC conduit with 1.5 sq.mm. (2+1E) FRLSH gradecopper wires with required accessories as per specification by One 16 A SPMCB (Note:- Maximum Length Upto 35 to 40 Mtr from Switchboard)	35.00	Nos		
	MAIN CIRCUIT WIRING				
110	Supplying & erecting mains with 2x1.5 sq.mm. and earth wire 1.5 sq.mm FRLSH PVC copper wire, in HMS PVC conduit min. 20mm dia as per specification	1,163.00	Rmt		
111	Supplying & erecting mains with 2x2.5 sq.mm. and earth wire 1.5 sq.mm FRLSH PVC copper wire in HMS PVC conduit min. 20mm dia. as per specification	1,520.00	Rmt		
112	Supplying & erecting mains with 2x4 sq.mm. and earth wire 2.5 sq.mm FRLSH PVC copper wire in HMS PVC conduit min. 20mm dia, as per specification	1,032.00	Rmt		
113	Supplying & laying HMS PVC conduit 20 mm dia. With necessary accessories in RCC work/false ceiling/false flooring / Wall Concealed as per specification	210.00	Rmt		
114	Supplying & laying HMS PVC conduit 25 mm dia with necessary accessories in RCC work/false ceiling/false flooring Wall Concealed as per specification	305.00	Rmt		
115	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 1 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	0.00	Nos		
116	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	7.00	Nos		
117	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	19.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
118	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 4 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	5.00	Nos		
119	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 6 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	10.00	Nos		
120	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 8 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	3.00	Nos		
121	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 12 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	5.00	Nos		
122	Supplying and erecting ISI mark modular type switch 6A / 10A duly erected on provided plate and box with wiring connections complete.	41.00	Nos		
123	Supplying and erecting ISI mark modular type switch 16A duly erected on provided plate and box with wiring connections complete.	24.00	Nos		
124	Supplying and erecting ISI mark modular type switch one way 16 / 20 A, duly erected on provided plate and box with wiring connections complete with neon indicator.	25.00	Nos		
125	Supplying and erecting ISI mark modular type 3 pin 6A multi sockets with safety shutter, duly erected on provided plate and box with wiring connections complete.	31.00	Nos		
126	Supplying and erecting ISI mark modular type 3 pin 6 / 16A multi socket with safety shutter, duly erected on provided plate and box with wiring connections complete.	16.00	Nos		
127	Supplying and erecting ISI mark modular type 3 pin 20A multi socket with safety shutter, duly erected on provided plate and box with wiring connections complete.	30.00	Nos		
128	Supplying and erecting ISI mark modular type (two module) electronic step regulator for fan, duly erected on provided plate and box with wiring connections complete.	0.00	Nos		
129	Supplying and erecting ISI mark modular type blanking plate one module, duly erected on provided plate & box.	9.00	Nos		
130	Supplying and erecting ISI mark modular type bell-push 6A / 10A duly erected on provided plate and box with wiring connections complete.	4.00	Nos		
131	Supplying and erecting ISI mark modular type bell indicator, duly erected on provided plate and box with wiring connections	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
132	Supplying and erecting ISI mark modular type buzzer 220 / 250V, duly erected on provided plate and box with wiring connections complete.	0.00	Nos		
	LT WORK (EARTHING)				
133	Supplying and erecting Annealed bare copper wire of high purity of different sizes used for earthing on wall with necessary copper clamps fixed on wall/cable/conduit with screws in an approved manner.	0.00	Kg		
134	Supplying and erecting GI earth wire of high purity of different sizes used for earthing or any other purposes on wall with necessary G. I. Clamps fixed on wall/cable/ conduit with screws in an approved manner.	0.00	Kg		
	LT WORK (INDOOR, EXTERNAL, LIGHTINGFIXTURES, FANS ETC WORK)				
135	Supply, Installation, Testing and Commissioning of LED Recessed (2'X2') 30 W Luminaire with a nominal system lumen output of 3600 lumens and a minimum system efficacy of 120 lm/W or maximum. The luminaire shall have a rated system lifetime of 50,000 burning hours at L70. The luminaire should have a color temperature (Final Colour temprature & Asthetics selection/finalised by Architects and client) of upto 2700K 3000K 4000K 5700K and CRI>80 having UGR<=19. Luminaire should follow WELL V2.0 & LEED V4.0 Criteria and compliance to EN-12464.The luminaire shall meet IP20 rating with THD<10% and PF >0.9. The luminaire housing should made of powder coated metallic CRCA with high efficiency molded PC diffuser and having surge protection upto 4kV. Dimension of product will be 595x595x 75 mmThe total power consumption should not exceed 30W (including driver).The fixture should comply with the parameters as per IS10322. The LED driver should comply to IEC61000-3-2 ed.3.2, 2009 for Harmonics, IEC61347 -2 -13, 2006 in Conjunction with IEC61347-1 ed.2.0, 2007 for Electrical Safety, IEC62384 ed.1.1, 2011 for performance and IEC61547 ed.2.0, 2009, CISPR-15 for EMI. Manufacturer shall have inhouse lab approved by NABL or ministry of science of govt of India. LM 79 and LM80 reports need to be submitted from a NABL/UL accredited lab to verify above parameters Equivalent to Philips Make Wingline "RC380B LED36S-6500 G5 W60W60 PSU WH" (Basic Rate Rs 3100)	0.00	Nos		
136	Supply, Installation, Testing and Commissioning of Indoor 15 Watt Ceiling recess Housing Aluminium Lens Or Diffuser PMMA Primary Reflector Secondary Reflector Anodised Body Finish Body Finish Color SWH,SBL,CSM, Heat Sink Material,Die Cast Aluminium,Cooling Technique, Passive Cooling, Binning 3 Step MacAdam LED Life Time @ L70/B10 >50,000 hours Colour Rendering CRI CRI80 as standard/ CRI90 on, Beam Direction Fixed, Tilt No, Swivel No, Driven with Constant Current, Driver Input Voltage 220V- 240V/50-60Hz, Control Gear/Mounting Included/ Integral, Standard Switchable On/Off Optional - Mains/Analog/Dali Dimming request, Operating Temperature 0°C - 50°C Appliance Class Class 2 Ingress Protection IP20 Impact Resistance NV Photobiological Safety RG 0 - No Risk LED Fitted Samsung Mid power LED array 25V-30Vdc/500mA Co-related Colour Temprature 1757 1814 1930 2002 Delivered Lumens 1757 1814 1930 2002 Efficacy (System - lm/watt) 122 126 134 139 Beam Angle (2xFWHM)* 85° General Diffuse LED Power watts 12.3w System Power watts 14.1w Operating Voltage Vin 220-240 Vac Power factor p.f. >0.95 Equivalent to Abby Lighting All Rounder -15w (Flnal Colour temprature & Asthetics selection/finalised by Architects and client) (Basic Rate Rs 1800)	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
137	Supply, Installation, Testing and Commissioning of Indoor 15 Watt Ceiling Surface Housing Aluminium Lens Or Diffuser PMMA Primary Reflector Secondary Reflector Anodised Body Finish Body Finish Color SWH,SBL,CSM, Heat Sink Material,Die Cast Aluminium,Cooling Technique, Passive Cooling, Binning 3 Step MacAdam LED Life Time @ L70/B10 >50,000 hours Colour Rendering CRI CRI80 as standard/ CRI90 on, Beam Direction Fixed, Tilt No, Swivel No, Driven with Constant Current, Driver Input Voltage 220V- 240V/50-60Hz, Control Gear/Mounting Included/ Integral, Standard Switchable On/Off Optional - Mains/Analog/Dali Dimming request, Operating Temperature 0°C - 50°C Appliance Class Class 2 Ingress Protection IP20 Impact Resistance NV Photobiological Safety RG 0 - No Risk LED Fitted CREE COB LED 36Vdc/350mA Co-related Colour Temperature 2700K 3000K 4000K 5700K Delivered Lumens 1424 1466 1537 1565 Efficacy (System - lm/watt) 101 104 109 111 Beam Angle (2xFWHM)° 29°(MD) 37°(WD)56°(VWD) LED Power watts 12.3w System Power watts 14.1w Operating Voltage Vin 220-240 Vac Power factor p.f. >0.95 Equivalent to Abby Lighting Go Pro 35 SF 15W Cylindrical (Final Colour temperature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 2420)	0.00	Nos		
138	Supply, Installation, Testing and Commissioning of LED 10 Watt Environment Indoor Installation Ceiling Recess, Housing Die Cast Aluminium Lens Or Diffuser PMMA Lens and Glass Visor Primary Reflector Secondary Reflector Body Finish Powder Painted White/Black/Custom Body Finish Color SWH,SBL,CSM Dimming Option-,PDIM,ADIM,DDIM, Heat Sink Material Die Cast Aluminium Cooling Technique Passive Cooling, Binning 3 Step MacAdam LED Life Time @ L70/B10 >50,000 hours Colour Rendering CRI CRI80 as standard/ CRI90 on request, Beam Direction Adjustable Tilt Yes Swivel No, Driven with Constant Current Driver Input Voltage 220V- 240V/50-60Hz Control Gear/Mounting Included/Remote, Standard Switchable On/Off Optional - Mains/Analog/Dali Dimming not required Operating Temperature 0°C - 50°C Appliance Class Class 2 Ingress Protection IP65 Impact Resistance NV Photobiological Safety RG 0 - No Risk LED Fitted CREE COB LED 36Vdc/250mA Co-related Colour Temperature 2700K 3000K 4000K 5700K Delivered Lumens 659 721 773 793 Efficacy (System - lm/watt) 64 70 75 77 Beam Angle (2xFWHM)° 32°(MD)/42°(WD) LED Power watts 9.0w System Power watts 10.3w Operating Voltage Vin 220-240 Vac Power factor p.f. > 0.95 Equivalent to Abby Lighting AquaRomeo 10w (Final Colour temperature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 1150)	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
139	Supply, Installation, Testing and Commissioning of Indoor 15 Watt Ceiling Surface Housing Aluminium Lens Or Diffuser PMMA Primary Reflector Secondary Reflector Anodised Body Finish Body Finish Color SWH,SBL,CSM, Heat Sink Material,Die Cast Aluminium,Cooling Technique, Passive Cooling, Binning 3 Step MacAdam LED Life Time @ L70/B10 >50,000 hours Colour Rendering CRI CRI80 as standard/ CRI90 on, Beam Direction Fixed, Tilt No, Swivel No, Driven with Constant Current, Driver Input Voltage 220V- 240V/50-60Hz, Control Gear/Mounting Included/ Integral, Standard Switchable On/Off Optional - Mains/Analog/Dali Dimming request, Operating Temperature 0°C - 50°C Appliance Class Class 2 Ingress Protection IP20 Impact Resistance NV Photobiological Safety RG 0 - No Risk LED Fitted CREE COB LED 36Vdc/350mA Co-related Colour Temperature 2700K 3000K 4000K 5700K Delivered Lumens 1424 1466 1537 1565 Efficacy (System - lm/watt) 101 104 109 111 Beam Angle (2xFWHM)° 29°(MD) 37°(WD)56°(VWD) LED Power watts 12.3w System Power watts 14.1w Operating Voltage Vin 220-240 Vac Power factor p.f. >0.95 Equivalent to Abby Lighting Go Pro 35 TT 15W (Final Colour temprature & Asthetics selection/finalised by Architects and client) (Basic Rate Rs 2950)	0.00	Nos		
140	Supply, Installation, Testing and Commissioning of LED Recessed linear 22 watt LED based Linear Continuous/standalone Recessed/Suspended 8ft. Luminaire with a nominal system lumen output of 4400 lumens or maximum with a minimum system efficacy of 100 lm/W. The luminaire shall have Extruded Aluminium body, P.F > 0.9, Operating Voltage range of 140-270 VAC, serviceability of Class B, life L70 @ 50,000 burning hours, a color temperature (Final Colour temprature & Asthetics selection/finalised by Architects and client) of upto 4000 K and CRI>80. The luminaire shall meet IP20 Rating with THD<10% and surge protection of 4KV. THE total Power Consumption should not exceed 22 W (including Driver). Dimension of the fixture should be 50(W)x75(H)x1130(L).Fixture and driver have to be BIS certified as per new govt rule.. The fixture should comply with the parameters as per IS10322. The LED driver should comply to IEC61000-3-2 ed.3.2, 2009 for Harmonics, IEC61347 -2 -13, 2006 in Conjunction with IEC61347-1 ed.2.0, 2007 for Electrical Safety, IEC62384 ed.1.1, 2011 for performance and IEC61547 ed.2.0, 2009, CISPR-15 for EMI. Manufacturer shall have inhouse lab approved by NABL or ministry of science of govt of India. LM 79 and LM80 reports need to be submitted from a NABL/UL accredited lab to verify above parameters Equivalent to Philips Make Pureline Slim "SP780X LED22S-6500 PSU W5L113 OD WH" (Basic Rate Rs 4950)	0.00	Nos		
141	Supply, Installation, Testing and Commissioning of LED 12 Watt Adjustable Wallwasher. Cat: 12 Watt COB Spot Plus 5000K (Final Colour temprature & Asthetics selection/finalised by Architects and client) (Basic Rate Rs 2690)	0.00	Nos		
142	Supply, Installation, Testing and Commissioning of LED 12 Watt Spot Lightr. Cat: 12 Watt Trim Recess Downlighter (Final Colour temprature & Asthetics selection/finalised by Architects and client) (Basic Rate Rs 2690)	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
143	Supply, Installation, Testing and Commissioning of LED indoor IP20 34,4000lm, 4ft linear LED batten with extruded aluminium housing (Final Colour temprature & Aesthetics selection/finalised by Architects and client) upto 6500K. The luminaire shall be compliant with IP20 classification.The fixture should have a minimum system efficacy of 100 lumen/Watt or Maximum and a minimum system lumen output of 1600 lumens and maximum system wattage of 15 Watts. The luminaire shall be designed so as to ensure lumen depreciation of up to 30% over 50k burning hours @ design ambient temp 45 deg C. The electronic driver used shall have a power factor >0.90. The fixture should comply with the parameters as per IS10322. The LED driver should comply to IEC61000-3-2 ed.3.2, 2009 for Harmonics, IEC61347 -2 -13, 2006 in Conjunction with IEC61347-1 ed.2.0, 2007 for Electrical Safety, IEC62384 ed.1.1, 2011 for performance and IEC61547 ed.2.0, 2009, CISPR-15 for EMI. Manufacturer shall have inhouse lab approved by NABL or ministry of science of govt of India. Equivalent to PHILIPS BN100C LED40S-6500 PSU GR (Basic Rate Rs 4390)	0.00	Nos		
144	Supply, Installation, Testing and Commissioning of LED flexible strip light 5m length upto 25W conforming IP 65 of any colour with driver complete. With aluminium profile (Final Colour temprature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 1820)	0.00	Nos		
145	Supply, Installation, Testing and Commissioning of LED flexible strip light 5m length upto 75W conforming IP 65 of any colour with driver complete With aluminium profile. (Final Colour temprature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 5100)	121.00	Nos		
146	Supply of finish Decorative Light with aluminium body make. (Final Colour temprature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 8000)	105.00	Nos		
147	Supplying and erecting LED mirror light with integrated driver including 7W to 9W lamp with polycarbonate housing and opal diffuser to be fixed above mirror or as required on clamps complete. (Basic Rate Rs 655)	5.00	Nos		
148	Supplying & erecting LED 18W tube light fitting (4 feet) with polycarbonate housing, heat sink, integrated HF electronic driver complete. (Basic Rate Rs 560)	0.00	Nos		
149	Supplying & erecting LED 20W tube light fitting (4 feet) with aluminium housing, heat sink, integrated HF electronic driver complete. (Basic Rate Rs 660)	0.00	Nos		
150	Supplying and erecting five star rated energy saving Ceiling fan 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification (Basic Rate Rs 2500)	40.00	Nos		
151	Supplying and Installation Testing Commissioning of Day Light Sensor for lightning control for 1000 VA LED LIGHT load control. (Basic Rate Rs 2540)	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
152	Supplying and Installation Testing Commissioning of movement detectors (Accupancy Sensor)for lightning control with directional movement of 180/360 degree detection angle and 1000 VA Fluorecent tube load control. (Basic Rate Rs 2930)	0.00	Nos		
153	Supplying and erecting fan clamp of 30 x 5 mm. M.S. flat of required length and 10 mm. M.S. bolt and nuts erected with necessary hook of 10 mm. M.S. round bar and painted.	0.00	Nos		
154	Supplying & fixing anchor type fastener fan hook, with 2 nos. of 10 mm dia x 75 mm long with necessary materials for ceiling fan.	0.00	Nos		
155	Supplying and erecting „B“ grade G.I. pipe / M.S. pipe down rod duly painted for fan complete erected with PVC three core flexible cable 1 sq. mm copper PVC wire.	0.00	Rmt		
156	Supplying and erecting air circulator 450 mm. sweep oscillating type, wall mounting 1440 RPM with speed regulator, overheat protection unit, totally enclosed, flame proof motor suitable for 230/250 Volts single phase, 50 cycles A.C. supply, with one meter of 3 core lead wire and with moisture proof treatment to winding and with ‘E’ class insulation.	0.00	Nos		
157	Supplying pedestal type air circulator 450 mm. sweep oscillating type suitable to work on 230 Volts 50 cycles 1440 RPM with speed regulator, metallic blades, overhead protection unit, totally enclosed, flame proof motor with additional 3 core wire, 5 meter length and hand shield type 3 pin 5A. plug top complete wit moisture proof treatment and ‘E’ class insulation.	0.00	Nos		
	FIRE ALARM WORKS Note :- Bidder should check,verify, visit the site for existing fire alarm system. Bidder should confirm the make , model of system and matching with Add on loop card the existing fire alram system before the tender submission.				
158	Removing & Refixing, commisioning of Existing Smoke detector as per revised interior requirments	0.00	Nos		
159	Supply, Installation, Testing and Commissioning of Smoke detector matching with the existing fire alram system	0.00	Nos		
160	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	0.00	Nos		
161	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.matching with the existing fire alram system	0.00	Rmt		
162	Supplying, installation, testing & commissioning of Add on loop card matching with Add on loop card the existing fire alram system	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
	<u>PUBLIC ADDRESS ALARM WORKS</u> Note :- Bidder should check,verify, visit the site for existing fire alarm system. Bidder should confirm the make , model of system and matching with the existing public address system before the tender submission.				
163	Removing & Refixing, commisioning of Existing speakar as per revised interior requirments	0.00	Nos		
164	Supply, Installation, Testing and Commissioning of Speakar matching with the existing Public Address system (RECESS TYPE OR BOX TYPE)	0.00	Nos		
165	Supply installation of 2 x 1.5 mm ² , Twisted Pair , Multistranded AT Copper, FRLS Armoured cable, BLACK in Colour. The cable shall be laid on surface with GI saddle-spacers every 0.3 meters. Complete with GI Junction Box, lugs, cable compression glands, cable tags and Ferruling.	45.00	Rmt		
	<u>DATA NETWORKING WORKS</u> (The system should be connected with existing networks)				
166	Supplying and erecting ISI mark modular type computer jack Internet Data IO POINTS with safety shutter, duly erected on provided plate and box with wiring connections complete.matching with the existing data networkiung system before the tender submission.	45.00	Nos		
167	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background.	8.00	Nos		
168	Supplying and fixing cat-6 LSZH cable suitable for LAN / WAN as per specification complete	560.00	Rmt		
169	Supplying & laying HMS PVC conduit 20 mm dia. With necessary accessories in RCC work/false ceiling/false flooring as per specification	160.00	Rmt		
	<u>TV SYSTEM (The system should be connected with existing networks)</u>				
170	Supplying & installing co-axial copper cable low voltage grade RG-11 as per specification No. WG-TW	0.00	Rmt		
171	Supplying & installing co-axial copper cable low voltage grade RG-6 as per specification No. WG-TW	405.00	Rmt		
172	Supplying & laying HMS PVC conduit 20 mm dia. With necessary accessories in RCC work/false ceiling/false flooring as per specification No. WG-MA/CC.	380.00	Rmt		
173	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 1 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	0.00	Nos		
174	Supplying and erecting ISI mark modular type T.V. socket single outlet, duly erected on provided plate and box with wiring connections complete.	0.00	Nos		
	LT WORK (INDOOR, EXTERNAL, LIGHTINGFIXTURES, FANS ETC WORK)				

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - PRESIDENT BOX - 2

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
175	Supply, Installation, Testing and Commissioning of Ikapp 50 15w 3000k (Abby Automation)	57.00	Nos		
176	Supply, Installation, Testing and Commissioning of Ikapp 50 15w 3000k (ON /OFF)	71.00	Nos		
177	Supply, Installation, Testing and Commissioning of Peeping Tom Semi Recessed 8W	8.00	Nos		
178	Supply, Installation, Testing and Commissioning of All Rounder 14W 3000k	19.00	Nos		
179	Supply, Installation, Testing and Commissioning of All Rounder 18W 4000k	0.00	Nos		
180	Supply, Installation, Testing and Commissioning of Barrel P 15W 4000K	0.00	Nos		
181	Supply, Installation, Testing and Commissioning of Go Pro 35TT 15W	32.00	Nos		
182	Supply, Installation, Testing and Commissioning of Xo Pro 75 36W 4000k	0.00	Nos		
183	Supply, Installation, Testing and Commissioning of Abby Gateway	1.00	Nos		
184	Supply, Installation, Testing and Commissioning of Control Switch For Dimmable Lights	1.00	Nos		
185	Supply, Installation, Testing and Commissioning of LED flexible strip light 5m length upto 33W conforming IP 65 of any colour with driver complete With aluminium profile. (Final Colour temprature & Asthetics selection/finalised by Architects and client)	121.00	Nos		
186	Supply of finish Decorative Light with aluminium body make. (Final Colour temprature & Asthetics selection/finalised by Architects and client)	105.00	Nos		
187	Supplying, erecting & terminating XLPE armoured cable 3.5 core 25 sq. mm. aluminium conductor FRLS with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
		GRAND TOTAL			

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
A	CIVIL & STRUCTURAL STRENGTHENING WORKS				
1	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure	1,380.00	Smt		
2	Demolishing existing concrete (PCC) by manual / mechanical means including stacking of serviceable material and disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	125.00	Cmt		
3	Demolishing brick work in cement mortar including plaster, paint, etc. manually / by mechanical means including stacking of serviceable material and disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	70.00	Cmt		
4	Dismantling tile work in floors and roofs laid in cement mortar including disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	320.00	Smt		
5	Dismantling of existing false ceiling including disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	100.00	Smt		
6	Dismantling Existing Structural Steel & Keeping it safely as per directions of Consultant.	20,000.00	kgs		
7	Providing & Laying AAC/Siporex Block Masonery works.	42.00	CUM		
8	Providing & Fixing M.S. structures as per design and specificatio for A.C. Enclosure area	41,600.00	KGS		
9	Supplying, Drilling/Cleaning hole and injecting chemical. Application to be designed separately for Rebars as Simply Supported, Moment or Splice Connection	1,150.00	Nos		
10	Filling voids/honeycomb with high pressure injection grouting of Polymer Cement Grout (10% of Polymer by Weight of Cement)	4,550.00	kgs		
11	Providing and Fixing of 12 mm nozzle in the crack portion	3,200.00	Nos		
12	Providing internal cement plaster 20 mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete.	482.00	SQM		
13	Chasing V groove in joint and refilling in specialized manner with fresh mortar 1:4 and plasticizer & aggregate pieces. (Guesstimate). Name of the plasticizer and proportion with cement mortar. Master pel 777 (Proportion - 200 ml per bag of cement)	2,800.00	RM		
14	Providing & applying 12 mm thk. internal cement plaster in C.M. 1:5 including waterproofing compound mixed in the proportion as per Manufacturer's recommendation to toilet walls upto required height to create proper finish & level's before tiles fixing for dados including watering, curing,scaffolding, breacking, chipping etc. complete as directed.	482.00	SQM		
15	Providing,mixing and applying bonding coat of approved adhesive	1,445.00	Smt		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
16	Providing and laying Cast in situ/Ready Mix cement concrete M-50 of trap/granite / quartzite/gneiss metal for R.C.C.slabs and landings as per detailed designs and drawings including steel	5.00	Cum		
17	Providing filling of Micro-concrete and 10 mm aggregate (1:1) including scarificial leakproof MS shuttering	21.00	Cum		
18	Wall Panneling in Bison Boards with MS Framing Structures at Exterior Faces of structure	310.00	SQM		
19	Providing & Fixing Profile sheets of 0.5mm thick for Roof Structures	200.00	SQM		
20	Providing & Fixing Laminated glass of 18mm thick at Verical & Roofing Sides of lounge	260.00	SQM		
B	INTERIOR WORKS				
21	Providing and laying machine cut and mirror polished approved coloured ITALIAN MARBLE SLAB approved size, 20 mm +/- 2 mm thick of approved quality with approved quality, Italian marble inlays for flooring in required pattern on a bed of 1:4 cement mortar 25- 30 mm average thickness including neat cement float, filling joints with neat coloured cement slurry, curing, polishing and cleaning complete. NOTE:- In above item cement mortar should be with white cement & for joint should be with white or colour pigment cement to match the flooring colour.	300.00	Smt		
22	Providing and fixing machine cut and mirror polished approved coloured ITALIAN MARBLE SLAB in cladding with inlays of approved size,12mm + 02mm thk. Of approved quality for required pattern on a bed of 1:4 CM plaster 25mm average thickness including neat cement float,filling joints with neat coloured pigment,curing,polishing and cleaning etc.complete. NOTE:- In the above item cement floating should be of white cement base . The above item is including clamps & pins required for fixing Italian marble cladding. The same needs to be considered by the bidder while quoting the rates. Nothing extra what so over shall be considered.	200.00	Smt		
23	Providing and laying in position flooring of granite stone of approved shade and size 18mm to 20mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete. Bacic rate of granite - Rs. 350 /Sft	120.00	Smt		
24	Moulding and Nosing of "Italian Marble" as per design and as per instruction.	85.00	Rmt		
25	Moulding and Nosing of " Granite Marble " as per design and as per instruction.	85.00	Rmt		
26	Providing and Fixing Fluted Italian Marble as per the design provided by the architect	25.00	Smt		
27	Providing and Fixing Wooden Panneling as per the design provided by the architect	175.00	Smt		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
28	Providing and applying plaster / wall punning with plaster of paris (with plaster of paris material) in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc.complete.	475.00	Smt		
29	Providing and applying wall coverings (wallpapers) in (with Matte, Texture & Silk finishes) which are water resistant, scratch resistant and fire retardant	125.00	Smt		
30	Providing and applying Royale Acrylic Emulsion paint on internal wall surface as detailed below Scrapping for surface with emery paper and wipe clean for area. Applying wall primer with brush by adding mineral turpentine oil by 8 to 10 % or water by 15 to 20% allowing to dry for 6 to 8 hours. After applying acrylic wall putty with appropriate proportion of water of allow to dry for period of 4 to 6 hours of activity. Scrapping with emery paper and wipe clean Applying paints Royale Luxury emulsion 1st coat with brush water content water 40 to 45% or 65 to 70% by role Applying paints Royale luxury emulsion 2nd coat with brush with water content 40 to 45 % or 65 to 70 % by roller. (The colour and shade should be as approved by the architect.)	1,020.00	Smt		
31	Providing and applying two coats of textured synthetic paint of approved shade and quality and one coat of primer before applying textured paint including scaffolding if necessary preparing surface by thoroughly cleaning oil, grease, dirt and other materials as required, etc. complete. (The colour and shade should be as approved by the architect.)	80.00	Smt		
32	Supply and installation of Demountable Modular Aluminium Frame Glass Partition, Single glazed system compromising of 10mm Toughnend Glass and Aluminium profile Sections of size 75MM x 30MM for fixing at Floor level and at false ceiling level with approximate brackets and expansion bolts of standardised S.S. Finish. All Hardware made of standardised S.S. finish etc. complete. The Profile features and double sided adhesive tape guarantees perfect structural union and sound insulation. This item is inclusive of a glass door opening of size .9 x 2.1m with all accessories inclusive	20.00	Smt		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
33	Providing and fixing in position Gypsum board false ceiling with 12.5 mm thick Gypsum boards, screwed/fixed to the under structure of suspended G.I. Grid constructed and suspended from the main ceiling consisting of ceiling sections of size 25 x 50 mm 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. (Theof science of govt of India. Equivalent to PHILIPS BN100C LED40S-6500 PSU GR (Basic Rate Rs 4390) watts 10.3w Operating Voltage Vin 220-240 Vac Power factor p.f. > 0.95 Equivalent to Abby Lighting A	250.00	Smt		
34	Supply and fixing of 1mm (10% +/-) Polymer Based false ceiling of approved manufacturer with Perforation if deemed required, of panel sizes of 340mmx 3060mm//340mm x 4000mm along with option to custom size to a maximum of 12800mm in length in approved shade, manufactured in India, made with High temperature thermal transfer technology, waterproof, fire retardant and anti-bacterial. Termite resistant, rust proof material. Panels to be installed with GI sections of suitable gauge & size, subject to change according to site conditions. Panels to be installed using suitable, same shade J-Trim with dimensions 39x20x3060/4000 (all in mm) for edge profiles and Connector with dimensions 76x20x3060/4000 mm, using same shade for connecting panels, using outside corner with dimensions 61x63x3060, which can be used in +90 degree corners and inside corner having dimensions 28x76x3060 which can be used for -90 degree corners. Panels are maintenance free and with 10 years warranty for colour & finish of the panels Includinof science of govt of India. Equivalent to PHILIPS BN100C LED40S-6500 PSU GR (Basic Rate Rs 4390) watts 10.3w Operating Voltage Vin 220-240 Vac Power factor p.f. > 0.95 Equivalent to Abby Lighting AquaRomeo 10w (Final Colour temprature & Asthetics selection/finalisesd by Architects and client) (Basic Rate Rs 1150)S Make Pureline Slim "SP780X LED22S-6500 PSU W5L113 OD WH" (Basic Rate Rs 4950)5 W60W60 PSU WH" (Basic Rate Rs 3100)	30.00	Smt		
35	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing	25.00	Smt		
36	Providing and fixing 2 seater sofa as the drawings and design suggested by the architect	2.00	Nos		
37	Providing and fixing 1 seater sofa as the drawings and design suggested by the architect	3.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
38	<p>Supplying and fixing fix back tip up chairs giving below mentioned properties</p> <p>Stand – Base to be 200 x 75 x 6 mm. M.S.Flat welded to 38 x 38 x 2 mm, CRCA tube 22”, long further supported to 38 x 38 x 2 mm – 11” long CRCA tube.</p> <ul style="list-style-type: none"> ➤ Tip – Up movement supported by 200 x 75 x 6 mm M.S.Flat with M.S. twin support 12 mm in Dia. ➤ Seat Bracket to be 12 x 25 x 100 mm M.S.Flat welded to a plate of 80 x 100 x 3 mm. ➤ Back Bracket to be 200 x 70 x 70 mm of 1.6 mm thick, CRCA sheet with 2 longitudinal holes for bolting <p>Back</p> <ul style="list-style-type: none"> ➤ Back made of 14 mm thick plywood size 480 x 430 mm, fused with Polyurethane foam of 480 x 430 mm having density of 48 +/- 5 kg/m³ and duly upholstered with foam laminated fabric cover. All bolts to be received by dash nuts CNC milled threaded and nailed of size 20 x 10 mm. 	100.00	Nos		
	<ul style="list-style-type: none"> ➤ Seat ➤ Seat made of 18 mm thick bent plywood, size 480 x 430 mm, fused with polyurethane foam of 480 x 430 mm having density of 50 +/- 5 kg/m³ and duly upholstered with foam laminated fabric cover. All bolts to be received by dash nuts CNC milled threaded and nailed of size 20 x 10 mm. • Spring for tip-up movement: <ul style="list-style-type: none"> ➤ Spring for seat auto tip-up torsion (Confirming to grade 2) tested for 5,000 cycles, to be used for tip-up movement. ➤ Side Panel ➤ All side panels to be of 12 mm plywood fused with foam laminated fabric to cover all metal parts. • Upholstery Fabric <ul style="list-style-type: none"> ➤ 100% polyester stretch fabric available in various colours, to be fused with 5mm / 7.5mm foam, wherever quilting is required. ➤ Option of FR coated fabric passing test BS-EN-1021:1&2 / BS 5852 Part 1. ➤ Option of Inherent FR fabric passing test FAR 25.853/Part-I. • ARM REST– OPTIONS • Wooden Waterfall Handles / Black PU arms <ul style="list-style-type: none"> ➤ To be of size 430 x 30 x 60 mm, polished in natural or shade as desired by client. • Small Cup holders <ul style="list-style-type: none"> ➤ Size 480 x 100 x of science of govt of India. Equivalent to PHILIPS BN100C LED40S-6500 PSU GR (Basic Rate Rs 4390) watts 10.3w Operating Voltage Vin 220-240 Vac Power factor p.f. > 0.95 Equivalent to Abby Lighting AquaRomeo 10w (FInal Colour temprature 				
39	Providing and fixing bar table as per the drawings and design provided by the architect	1.00	Nos		
40	Providing and fixing service table as per the drawings and design provided by the architect	2.00	Nos		
41	Providing and installing chandelier of approved make as per the design provided by the architect	2.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
42	Providing and fixing modesty panels as urinal partitions of size 1200 x 450mm made from 12mm HPL boards od design and surface as selected by the architect. The modesty panels are to be fixed with SS 304 right angle brackets or polyamide grade 6 (nylon) brackets.	4.00	Nos		
43	Supplying & Installing Stainless Steel Railing of with Top rail using S.S.Pipe of Grade AISI -304 using 51 mm diapipe with wall thickness of 1:6 mm inclding fabrication ,Cleaning ,Buffing & polishing etc.complete. Mid rail by using S.S.PipeofGrade AISI -304 with 2 Nos. S.S. pipes of 16 mm dia& 12 mm thick toughened glass pannel including fabrication, Cleaning ,Buffing &polishing etc. complete . The BALUSTAR is to be of satin finish stainless steel vertical post (Balustar) of AISI 304 grade of 47R4series ,etc.complete.(The height of the railing is to be 1.05 meter)	20.00	Smt		
44	All the surfaces of veneer which form part of the elevation design and offsets shall be polished with matt PU melamine which shall be water based.with necessary surface prepration and as per instruction.To Grove Kani, Dhar and Moulding area.	175.00	Smt		
45	Providing and fixing the 15mmx15mm " Metal Gold " (Matt) with special adhesive as per the approved design and as per instruction.	50.00	Smt		
46	Providing and fixing the 280mmx280mm " KitKat Tiles " with special adhesive as per the approved design and as per instruction.	50.00	Smt		
47	Providing and fixing TV console as per the drawings and design provided by the architect	1.00	Nos		
48	Providing and Fixing Fluted Glass Partition as per the drawings and design provided by the architect	34.00	Smt		
49	Providing and fixing dining table as the drawings and design suggested by the architect	5.00	Nos		
50	Providing and fixing dining chairs as the drawings and design suggested by the architect	22.00	Nos		
51	Providing & Applying Poly Urea treatment on floor before flooring.	210.00	Smt		
52	Providing Anti Termite Treatment for A.C.Enclosure Area	300.00	Smt		
53	Providing and fixing TV & Refrigerators as per selection by architect / client				
a	85"	1.00	Nos		
b	55"	1.00	Nos		
c	42"	1.00	Nos		
d	32"	1.00	Nos		
e	Refrigerator Small	1.00	Nos		
54	Providing & fixing Signages as per directions of consultant.	50.00	Nos		
55	Providing & Fixing Phtoframes as per directions of consultant.	10.00	Nos		
56	Providing & Fixing Ceiling Fans as per directions of consultant.				

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
a	Black	15.00	Nos		
b	White	15.00	Nos		
57	Providing & Fixing White Teak Lights-Decorative.				
a	Wait For me Lights	8.00	Nos		
b	Tipsy Wall Lights	6.00	Nos		
58	Providing & Fixing Air Freshners	4.00	Nos		
59	Providing & Fixing Shoe Polish Machine	1.00	Nos		
60	Providing & Laying-PCC Upto 60mm Depth	200.00	Smt		
61	Providing & Fixing Anti Reflection Films On Glass Railings	40.00	Smt		
62	Providing & Fixing Frosted Films.	25.00	Smt		
63	Core cutting for Nahani Traps Box	9.00	Nos		
64	Wooden Polishing work for A.C. Enclosure Area Carpentry Works.	100.00	Smt		
65	Air Curtains	2.00	Nos		
66	Providing & Fixing Aco Drain above Players Room	1.00	Nos		
67	TOILET AREAS WATERPROOFING	60.00	Smt		
	Surface preparation:Break & remove the existing waterproofing layer and reach upto RCC slab level followed by cleaning and preparation of surface with the help of wire brush and hand grinder. Remove all loose concrete, dust with air blower. Undulation in RCC slab surface, honeycombs, pin holes, imperfections should be chiselled to the sound substrate and repair with Polymer Modified Mortar.				
	Waterproofing system for Floor areas and upto 300 mm height on the verticals: Providing and applying two component high performance polymer modified cementitious waterproofing coating, having minimum thickness of 1.00 to 1.2 mm thickness, waterproofing membrane having properties elongation of 120%, Tensile strength 1 N/mm ² (As per ASTM D412), Shore A hardness of 60 (As per ASTM D 2240) and Crack bridging up to 2mm (As per ASTM C836) including reinforcing the coating with 45gsm glass fibre mesh at all corners. The coating shall be applied with a total consumption of 2.0-2.1 Kg/Sqm in two to three coats on the entire horizontal and will be extended vertically up to 300mm above FFL on the vertical surface as per manufacturer's specification and methodology. The system includes base preparation of cleaning, brushing and removal of flacky materials, grouting the porous area with cementitious grout, sealing the minor cracks, proper coving of 50 x 50 mm between slab and wall junctions and pre-wetting the surface r Electrical Safety, IEC62384 ed.1.1, 2011 for performance and IEC61547 ed.2.0, 2009, CISPR-15 for EMI. Manufacturer shall				

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
	Treatment around pipe entry / exit locations from internal side : All the pipes to placed / inserted in the core cut areas, shall be placed appropriately to be grouted around the cut bores.Roughening the pipe surface with hacksaw blade and applying a coat of SBR modified latex, URP or approved equivalent and sprinkling sand for proper adhesion. Grouting the gaps between the pipe and the core cutting by high strength non-shrink cementitious grout, that shall be poured into the gaps after fixing in place an effective leak-free shuttering and support. Allow the grout to set for 24 hrs. And do the moist curing for 5 days. The area around the pipes (10mm) shall be filled with hybrid PU Sealant.				
	Horizontal Protection: Light weight Block Bat Coba for slope & protection for sunk slab:Providing & laying light weight block bat coba of minimum 150 mm thick laid over a bed of cement mortar (1:4), including admix with integral waterproofing compound LW+ conforming to IS 2645:2003@ 200 ml per bag of cement, and finishing and keeping the surface smooth, at the corners, curing and testing for water tightness for 7 days etc. complete.				
	Vertical protection: Supplying and applying 15mm thick polymeric waterproof plastering with CM 1:4 admixed with integral waterproofing compound URP at 0.2litre/bag of cement.				
68	Providing and laying in position 10 mm thk. vetrified tiles of approved make in dado of approved shade, height upto 2400 mm, fixed on back coat of cement mortar, pasted with cement slurry or tile addeasive, with proper level and alignment to match the layout pattern including raking joints filled with acrylic adhesive compound with matching pigment to provide uniform texture and finish,having top edge chamfered finished with wall finish flush groove of 6mm x 6 mm, etc. as including making cutouts for the sanitary fixtures and fittings and making good for the same complete as per drawing or as directed. Including breaking and require level plaster etc completed. Basic Rate of tile 80/sft.	60.00	Smt		
69	Supplying and fixing Rimless, Blind Installation Wall Hung WC with soft close slim seat cover of 3/6 litre, hinges,accessories set of reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fitings shall have provision of water flow regulation mechanism.	5.00	Nos		
70	Supplying and fixing Concealed Flush Valve Complete with 32mm Size Control Cock & 200mm Long Operating Lever of reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fitings shall have provision of water flow regulation mechanism	5.00	Nos		
71	Supplying and fixing Hand shower (health faucet) with 8mm dia 1.2 meter long flexible tube and wall hook, reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fitings shall have provision of water flow regulation mechanism	5.00	Nos		
72	Supplying and fixing 2way bib cock Complete reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect.	5.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
73	Supplying and fixing Toilet Roll Holder reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect.	5.00	Nos		
74	Supplying and fixing Double coat hook reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect.	5.00	Nos		
75	Providing and fixing Undercounter/ Overcounter rectangular wash basin with C.I. brackets, PRESSMATIC Taps Pillar cock Auto closing system of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	4.00	Nos		
76	Supplying and fixing Waste coupling 32 mm size full thread with 130 mm height reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fittings shall have provision of water flow regulation mechanism	4.00	Nos		
77	Supplying and fixing Bottle trap 32mm size with 300 mm and 190 mm long wall connection pipes and wall flange, reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fittings shall have provision of water flow regulation mechanism	4.00	Nos		
78	Supplying and fixing angular stop cock with wall flange , reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect. Fittings shall have provision of water flow regulation mechanism	4.00	Nos		
79	Supplying and fixing Liquid Soap dispenser with ss bottle 0.75litre , reputed brands with all consumables, fittings, labour, transport etc. as approved by Engineer In-charge etc. complete in all respect.	4.00	Nos		
80	Supply and fixing 2000x1200mm size best quality mirror of Modi make of thk. 6mm. With copper backing fixed to 8mm thk. Plywood sheet CP hooks, CP screws etc. complete.	4.00	Nos		
81	Providing and fixing white glazed Urinal with Pressmatic auto closing valve having flow rate up to 4.0 Litr/Minute of Jaquar/Cera/Hindware /Perryware or equivalent make with P.V.C. waste pipe with fitting arrangement etc.complete as directed by Engineer in charge.(Make shall conform to manufacturer's Green product and shall got approved from the Engineer In Charge.)	4.00	Nos		
82	Supplying and erecting industrial 304 stainle ss steel jet hand dryer heavy duty motor complete.	2.00	Nos		
83	Supplying and erecting tissue paper dispenser wall mounted complete.	2.00	Nos		
84	Supplying and erecting roll towel dispenser wall mounted complete. Make Dolphy/cronax/dyson Basic range- 3000rs to 6000rs	2.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
85	Supply & fixing of Chair Bracket	5.00	Nos		
86	Providing fixing 30 mm flush door with approved lamination as require as replacement to old damaged door removing old one including all fitting and fixture and door closer as directed by architect / engineer in charge	13.00	Smt		
87	Providing & Fixing of Vynyl Wallpapers as per design.	4.00	Smt		
C	PLUMBING WORKS				
88	Supplying, laying and fixing heavy quality CPVC SDR 11 pipes Concealed of approved brand confirm to ISI including necessary PVC heavy brass fittings such as elbows, tees reducing fittings, bends, unions, checknuts, couplings, etc. all ISI marked, fixed with long screws and heavy G.I. clamps				
a	15mm dia.	85.00	Rmt		
b	20mm dia.	17.00	Rmt		
c	25mm dia.	9.00	Rmt		
d	32mm dia.	43.00	Rmt		
e	40mm dia	9.00	Rmt		
89	Providing and fixing on walls/ ceiling/ floor uPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.				
a	15mm dia.	5.00	Rmt		
b	20mm dia.	9.00	Rmt		
c	25mm dia.	43.00	Rmt		
d	32mm dia.	68.00	Rmt		
e	40mm dia.	43.00	Rmt		
f	50mm dia.	34.00	Rmt		
g	65mm dia.	5.00	Rmt		
h	80mm dia.	5.00	Rmt		
i	100mm dia.	5.00	Rmt		
90	Making holes of 6" in RCC slab,beam,chajja & making good the same using core cutting machine etc complete as directed	9.00	Nos		
91	Making holes in block/brick masonry of any diameter (upto 300 mm max.) and making good the same in plumbing duct	9.00	Nos		
92	Breaking Zari to in wall to fix CPVC pipe as per pipe dia and reinstate the with M100 after testing.	425.00	LM		
93	Providing and fixing gun metal BALL/BUTTERFLY valve PN16 with of approved quality (screwed/flange end) :				
a	15 mm nominal bore	1.00	Nos		
b	20 mm nominal bore	5.00	Nos		
c	25 mm nominal bore	5.00	Nos		
d	32 mm nominal bore.	5.00	Nos		
e	40 mm nominal bore	5.00	Nos		
f	50 mm nominal bore	5.00	Nos		
g	65 mm nominal bore	1.00	Nos		
h	80 mm nominal bore	1.00	Nos		
i	100 mm nominal bore	1.00	Nos		
j	150 mm nominal bore	1.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
94	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) : 50 mm dia	2.00	Nos		
95	Supplying & erecting Butterfly motorised valve with low & high float switches for over head tank domestic and flushing with control panel including all accessories	1.00	Set		
96	Providing and fixing 8 cm C.I. Nahani/multi nahani Trap/ clean out including C.I. grating bend and piece of C.I. pipe upto the outside face of the wall complete.	25.00	Nos		
97	Supplying and fixing heavy quality uPVC Type B soil pipe with G.I coated holder bat clamps including Jointing solution as per manufacturer to required lengths etc. complete, including all tools and stackle and schafoldint etc completed				
a	50mm dia.	85.00	Rmt		
b	75mm dia.	170.00	Rmt		
c	100mm dia.	170.00	Rmt		
98	Providing & fixing rain water outlet C.I grating etc completed.	2.00	Nos		
99	Removing of water closet, wash basin, shower, urinal, sink including fittings etc complete	12.00	Nos		
100	Removing G.I. pipes internal exposed of any size including fittings etc complete	9.00	Rmt		
101	Removing G.I. pipes internal concealed of any size including fittings etc complete	170.00	Rmt		
102	Removing drain pipe (soil, waste water, ventilating or rain water) of any size with all fittings including as directed.	85.00	Rmt		
103	Removing CI & cowl caps of any size over pipes.	5.00	Rmt		
D	ELECTRICAL WORKS				
	LT WORK (MAIN PANELS & DISTRIBUTION BOARDS)				
104	Supplying & erecting triple pole and neutral Per phase isolation distribution board (PPI VERTICAL TPND) with double door surface/ flush mounted SPMCB of 36 poles, 12 WAY on iron/ GI frame/wooden board.(horizontal busbar type) as per specification (Lighting Distribution Board) Incomer :- 1 No TPN MCB 63A, B- series in provided distribution board as per specification Outgoing :- 3 No = 2 pole RCCB/RCBO only of electromagnetic type with 30/100/300 mA sensitivity and having capacity of 25 TO 40 A complete as per specification. Outgoing :- 36 No = SPMCB 6A to 32A, B-series in provided distribution board as per specification with all Accessories etc complete.	3.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
105	Supplying & erecting triple pole and neutral Per phase isolation distribution board (PPI Vertical TPNDDB) with double door surface/ flush mounted SPMCB of 36 poles, 12 WAY on iron/ GI frame/wooden board.(horizontal busbar type) as per specification (Power Distribution Board) Incomer :- TPN MCB 63 A, C- series in provided distribution board as per specification Outgoing :- 3 No = 2 pole RCCB/RCBO only of electromagnetic type with 30/100/300 mA sensitivity and having capacity of 25 TO 40 A complete as per specification. Outgoing :- 36 No = SPMCB 6A to 32A, C-series in provided distribution board as per specification with all Accessories etc complete.	0.00	Nos		
106	Supplying & erecting triple pole and neutral Per phase isolation distribution board (PPI Vertical TPNDDB) with double door surface/ flush mounted SPMCB of 18 poles, 6 WAY on iron/ GI frame/wooden board.(horizontal busbar type) as per specification (View Box Power Distribution Board) Incomer :- TPN MCB 32/40 A, C- series in provided distribution board as per specification Outgoing :- 3 No = 2 pole RCCB/RCBO only of electromagnetic type with 30 mA sensitivity and having capacity of 32 A complete as per specification. Outgoing :- 18 No = SPMCB 6A to 32A, C-series in provided distribution board as per specification with all Accessories etc complete.	0.00	Nos		
107	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 10A, 2 pin plug and earth socket and 10A, 3 pin plug top with 10A single pole miniature circuit breakers erected on angle iron/ GI frame complete.	0.00	Nos		
108	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 20A, 2 pin plug & earth socket and 20A. 3 pin plug top with 20A/30A single pole MCB complete erected on angle iron/ GI frame.	1.00	Nos		
109	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 30A, 3 pin plug & earth socket and 30 A 3 pin plug top with 30A triple pole MCB complete erected on angle iron/ GI frame.	0.00	Nos		
110	Supplying and erecting 40A MCB with Weather Proof IP 54 rate enclosure for MCB suitable for upto 40A ELCB+MCB complete.	0.00	Nos		
111	Supplying and erecting 63A MCB with Weather Proof IP 54 rate enclosure for MCB suitable for upto 63A ELCB+MCB complete.	0.00	Nos		
112	Supplying & erecting CRCA sheet metal one way enclosures suitable for DP MCB /TP MCB /FP MCB erected on angle iron/GI frame complete.	0.00	Nos		
	LT WORK (MAIN ARMoured CABLES, CABLE TRAY, FLOOR TRUNKING, PVC TRUNKING DISTRIBUTION WORK)				
113	Supplying, erecting & terminating XLPE armoured cable 4 core 25 sq. mm. aluminium conductor FRLS with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
114	Supplying, erecting & terminating XLPE armoured cable 4 core 4 sq. mm. copper conductor FRLS continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification	0.00	Rmt		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
115	Supplying, erecting & terminating XLPE armoured cable 4 core 6 sq. mm. copper conductor FRLS continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
116	Supplying, erecting & terminating XLPE armoured cable 4 core 10 sq. mm. copper conductor FRLS continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
117	Supplying, erecting & terminating XLPE armoured cable 4 core 16 sq. mm. copper conductor with FRLS continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
118	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates, Tee, Bends, 4way & hardware in approved manner.	26.00	Rmt		
119	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 200 mm width & 75 mm height complete with necessary coupler plates, Tee, Bends, 4way & hardware in approved manner.	25.00	Rmt		
	LT WORK (MAIN CIRCUIT WIRING, CONDUIT, SWITCH SOCKET MODULE DETAILS DISTRIBUTION WORK)				
	POINT WIRING				
120	Primary Point wiring for light/fan/bell hybrid type (Surface type under false ceiling and concealed type for drops & switch boards on walls) in min 20 mm PVC conduit with 1.5 sq.mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification (Note:- Maximum Length Upto 6 to 10 Mtr from Switchboard)	70.00	Nos		
121	Secondary point wiring for additional light/ bell point, hybrid type (Surface type under false ceiling type in min 20 mm FRLS grade PVC conduit with 1.5 sq.mm. (2+1E) FRLSH gradecopper wires with required accessories as per specification (Note:- Maximum Length Upto 3 to 5 Mtr from Primary Point)	92.00	Nos		
122	Group Control Light Point Wiring 4-8 Points Controlled hybrid type (Surface type under false ceiling type in min 20 mm FRLS grade PVC conduit with 1.5 sq.mm. (2+1E) FRLSH gradecopper wires with required accessories as per specification by One 15 A SP Switch (Note:- Maximum Length Upto 20 to 25 Mtr from Switchboard)	8.00	Nos		
123	Group Control Light Point Wiring 4-8 Points Controlled hybrid type (Surface type under false ceiling type in min 20 mm FRLS grade PVC conduit with 1.5 sq.mm. (2+1E) FRLSH gradecopper wires with required accessories as per specification by One 16 A SPMCB (Note:- Maximum Length Upto 35 to 40 Mtr from Switchboard)	30.00	Nos		
	MAIN CIRCUIT WIRING				

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
124	Supplying & erecting mains with 2x1.5 sq.mm. and earth wire 1.5 sq.mm FRLSH PVC copper wire, in HMS PVC conduit min. 20mm dia as per specification	980.00	Rmt		
125	Supplying & erecting mains with 2x2.5 sq.mm. and earth wire 1.5 sq.mm FRLSH PVC copper wire in HMS PVC conduit min. 20mm dia. as per specification	1,290.00	Rmt		
126	Supplying & erecting mains with 2x4 sq.mm. and earth wire 2.5 sq.mm FRLSH PVC copper wire in HMS PVC conduit min. 20mm dia, as per specification	875.00	Rmt		
127	Supplying & laying HMS PVC conduit 20 mm dia. With necessary accessories in RCC work/false ceiling/false flooring / Wall Concealed as per specification	180.00	Rmt		
128	Supplying & laying HMS PVC conduit 25 mm dia with necessary accessories in RCC work/false ceiling/false flooring Wall Concealed as per specification	260.00	Rmt		
129	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 1 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	0.00	Nos		
130	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	6.00	Nos		
131	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	16.00	Nos		
132	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 4 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	5.00	Nos		
133	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 6 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	9.00	Nos		
134	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 8 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	3.00	Nos		
135	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 12 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	5.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
136	Supplying and erecting ISI mark modular type switch 6A / 10A duly erected on provided plate and box with wiring connections complete.	35.00	Nos		
137	Supplying and erecting ISI mark modular type switch 16A duly erected on provided plate and box with wiring connections complete.	20.00	Nos		
138	Supplying and erecting ISI mark modular type switch one way 16 / 20 A, duly erected on provided plate and box with wiring connections complete with neon indicator.	21.00	Nos		
139	Supplying and erecting ISI mark modular type 3 pin 6A multi sockets with safety shutter, duly erected on provided plate and box with wiring connections complete.	26.00	Nos		
140	Supplying and erecting ISI mark modular type 3 pin 6 / 16A multi socket with safety shutter, duly erected on provided plate and box with wiring connections complete.	14.00	Nos		
141	Supplying and erecting ISI mark modular type 3 pin 20A multi socket with safety shutter, duly erected on provided plate and box with wiring connections complete.	25.00	Nos		
142	Supplying and erecting ISI mark modular type (two module) electronic step regulator for fan, duly erected on provided plate and box with wiring connections complete.	0.00	Nos		
143	Supplying and erecting ISI mark modular type blanking plate one module, duly erected on provided plate & box.	8.00	Nos		
144	Supplying and erecting ISI mark modular type bell-push 6A / 10A duly erected on provided plate and box with wiring connections complete.	4.00	Nos		
145	Supplying and erecting ISI mark modular type bell indicator, duly erected on provided plate and box with wiring connections	0.00	Nos		
146	Supplying and erecting ISI mark modular type buzzer 220 / 250V, duly erected on provided plate and box with wiring connections complete.	0.00	Nos		
	LT WORK (EARTHING)				
147	Supplying and erecting Annealed bare copper wire of high purity of different sizes used for earthing on wall with necessary copper clamps fixed on wall/cable/conduit with screws in an approved manner.	0.00	Kg		
148	Supplying and erecting GI earth wire of high purity of different sizes used for earthing or any other purposes on wall with necessary G. I. Clamps fixed on wall/cable/ conduit with screws in an approved manner.	0.00	Kg		
	LT WORK (INDOOR, EXTERNAL, LIGHTINGFIXTURES, FANS ETC WORK)				

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
149	Supply, Installation, Testing and Commissioning of LED Recessed (2'X2') 30 W Luminaire with a nominal system lumen output of 3600 lumens and a minimum system efficacy of 120 lm/W or maximum. The luminaire shall have a rated system lifetime of 50,000 burning hours at L70. The luminaire should have a color temperature (Final Colour temperature & Aesthetics selection/finalised by Architects and client) of upto 2700K 3000K 4000K 5700K and CRI>80 having UGR<=19. Luminaire should follow WELL V2.0 & LEED V4.0 Criteria and compliance to EN-12464. The luminaire shall meet IP20 rating with THD<10% and PF >0.9. The luminaire housing should be made of powder coated metallic CRCA with high efficiency molded PC diffuser and having surge protection upto 4kV. Dimension of product will be 595x595x 75 mm. The total power consumption should not exceed 30W (including driver). The fixture should comply with the parameters as per IS10322. The LED driver should comply to IEC61000-3-2 ed.3.2, 2009 for Harmonics, IEC61347 -2 -13, 2006 in conjunction with IEC61347-1 ed.2.0, 2007 for Electrical Safety, IEC62384 ed.1.1, 2011 for performance and IEC61547 ed.2.0, 2009, CISPR-15 for EMI. Manufacturer shall have inhouse lab approved by NABL or ministry of science of govt of India. LM 79 and LM80 reports need to be submitted from a NABL/UL accredited lab to verify above parameters Equivalent to Philips Make Wingline "RC380B LED36S-6500 G5 W60W60 PSU WH" (Basic Rate Rs 3100)	0.00	Nos		
150	Supply, Installation, Testing and Commissioning of Indoor 15 Watt Ceiling recess Housing Aluminium Lens Or Diffuser PMMA Primary Reflector Secondary Reflector Anodised Body Finish Body Finish Color SWH,SBL,CSM, Heat Sink Material, Die Cast Aluminium, Cooling Technique, Passive Cooling, Binning 3 Step MacAdam LED Life Time @ L70/B10 >50,000 hours Colour Rendering CRI CRI80 as standard/ CRI90 on, Beam Direction Fixed, Tilt No, Swivel No, Driven with Constant Current, Driver Input Voltage 220V- 240V/50-60Hz, Control Gear/Mounting Included/ Integral, Standard Switchable On/Off Optional - Mains/Analog/Dali Dimming request, Operating Temperature 0°C - 50°C Appliance Class Class 2 Ingress Protection IP20 Impact Resistance NV Photobiological Safety RG 0 - No Risk LED Fitted Samsung Mid power LED array 25V-30Vdc/500mA Co-related Colour Temperature 1757 1814 1930 2002 Delivered Lumens 1757 1814 1930 2002 Efficacy (System - lm/watt) 122 126 134 139 Beam Angle (2xFWHM)° 85° General Diffuse LED Power watts 12.3w System Power watts 14.1w Operating Voltage Vin 220-240 Vac Power factor p.f. >0.95 Equivalent to Abby Lighting All Rounder -15w (Final Colour temperature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 1800)	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
151	Supply, Installation, Testing and Commissioning of Indoor 15 Watt Ceiling Surface Housing Aluminium Lens Or Diffuser PMMA Primary Reflector Secondary Reflector Anodised Body Finish Body Finish Color SWH,SBL,CSM, Heat Sink Material,Die Cast Aluminium,Cooling Technique, Passive Cooling, Binning 3 Step MacAdam LED Life Time @ L70/B10 >50,000 hours Colour Rendering CRI CRI80 as standard/ CRI90 on, Beam Direction Fixed, Tilt No, Swivel No, Driven with Constant Current, Driver Input Voltage 220V- 240V/50-60Hz, Control Gear/Mounting Included/ Integral, Standard Switchable On/Off Optional - Mains/Analog/Dali Dimming request, Operating Temperature 0°C - 50°C Appliance Class Class 2 Ingress Protection IP20 Impact Resistance NV Photobiological Safety RG 0 - No Risk LED Fitted CREE COB LED 36Vdc/350mA Co-related Colour Temperature 2700K 3000K 4000K 5700K Delivered Lumens 1424 1466 1537 1565 Efficacy (System - lm/watt) 101 104 109 111 Beam Angle (2xFWHM)° 29°(MD) 37°(WD)56°(VWD) LED Power watts 12.3w System Power watts 14.1w Operating Voltage Vin 220-240 Vac Power factor p.f. >0.95 Equivalent to Abby Lighting Go Pro 35 SF 15W Cylindrical (Final Colour temperature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 2420)	0.00	Nos		
152	Supply, Installation, Testing and Commissioning of LED 10 Watt Environment Indoor Installation Ceiling Recess, Housing Die Cast Aluminium Lens Or Diffuser PMMA Lens and Glass Visor Primary Reflector Secondary Reflector Body Finish Powder Painted White/Black/Custom Body Finish Color SWH,SBL,CSM Dimming Option-,PDIM,ADIM,DDIM, Heat Sink Material Die Cast Aluminium Cooling Technique Passive Cooling, Binning 3 Step MacAdam LED Life Time @ L70/B10 >50,000 hours Colour Rendering CRI CRI80 as standard/ CRI90 on request, Beam Direction Adjustable Tilt Yes Swivel No, Driven with Constant Current Driver Input Voltage 220V- 240V/50-60Hz Control Gear/Mounting Included/Remote, Standard Switchable On/Off Optional - Mains/Analog/Dali Dimming not required Operating Temperature 0°C - 50°C Appliance Class Class 2 Ingress Protection IP65 Impact Resistance NV Photobiological Safety RG 0 - No Risk LED Fitted CREE COB LED 36Vdc/250mA Co-related Colour Temperature 2700K 3000K 4000K 5700K Delivered Lumens 659 721 773 793 Efficacy (System - lm/watt) 64 70 75 77 Beam Angle (2xFWHM)° 32°(MD)/42°(WD) LED Power watts 9.0w System Power watts 10.3w Operating Voltage Vin 220-240 Vac Power factor p.f. > 0.95 Equivalent to Abby Lighting AquaRomeo 10w (Final Colour temperature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 1150)	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
153	Supply, Installation, Testing and Commissioning of Indoor 15 Watt Ceiling Surface Housing Aluminium Lens Or Diffuser PMMA Primary Reflector Secondary Reflector Anodised Body Finish Body Finish Color SWH,SBL,CSM, Heat Sink Material,Die Cast Aluminium,Cooling Technique, Passive Cooling, Binning 3 Step MacAdam LED Life Time @ L70/B10 >50,000 hours Colour Rendering CRI CRI80 as standard/ CRI90 on, Beam Direction Fixed, Tilt No, Swivel No, Driven with Constant Current, Driver Input Voltage 220V- 240V/50-60Hz, Control Gear/Mounting Included/ Integral, Standard Switchable On/Off Optional - Mains/Analog/Dali Dimming request, Operating Temperature 0°C - 50°C Appliance Class Class 2 Ingress Protection IP20 Impact Resistance NV Photobiological Safety RG 0 - No Risk LED Fitted CREE COB LED 36Vdc/350mA Co-related Colour Temperature 2700K 3000K 4000K 5700K Delivered Lumens 1424 1466 1537 1565 Efficacy (System - lm/watt) 101 104 109 111 Beam Angle (2xFWHM)° 29°(MD) 37°(WD)56°(VWD) LED Power watts 12.3w System Power watts 14.1w Operating Voltage Vin 220-240 Vac Power factor p.f. >0.95 Equivalent to Abby Lighting Go Pro 35 TT 15W (Final Colour temperature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 2950)	0.00	Nos		
154	Supply, Installation, Testing and Commissioning of LED Recessed linear 22 watt LED based Linear Continuous/standalone Recessed/Suspended 8ft. Luminaire with a nominal system lumen output of 4400 lumens or maximum with a minimum system efficacy of 100 lm/W. The luminaire shall have Extruded Aluminium body, P.F > 0.9, Operating Voltage range of 140-270 VAC, serviceability of Class B, life L70 @ 50,000 burning hours, a color temperature (Final Colour temperature & Aesthetics selection/finalised by Architects and client) of upto 4000 K and CRI>80. The luminaire shall meet IP20 Rating with THD<10% and surge protection of 4KV. The total Power Consumption should not exceed 22 W (including Driver). Dimension of the fixture should be 50(W)x75(H)x1130(L). Fixture and driver have to be BIS certified as per new govt rule.. The fixture should comply with the parameters as per IS10322. The LED driver should comply to IEC61000-3-2 ed.3.2, 2009 for Harmonics, IEC61347 -2 -13, 2006 in Conjunction with IEC61347-1 ed.2.0, 2007 for Electrical Safety, IEC62384 ed.1.1, 2011 for performance and IEC61547 ed.2.0, 2009, CISPR-15 for EMI. Manufacturer shall have inhouse lab approved by NABL or ministry of science of govt of India. LM 79 and LM80 reports need to be submitted from a NABL/UL accredited lab to verify above parameters Equivalent to Philips Make Pureline Slim "SP780X LED22S-6500 PSU W5L113 OD WH" (Basic Rate Rs 4950)	0.00	Nos		
155	Supply, Installation, Testing and Commissioning of LED 12 Watt Adjustable Wallwasher. Cat: 12 Watt COB Spot Plus 5000K (Final Colour temperature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 2690)	0.00	Nos		
156	Supply, Installation, Testing and Commissioning of LED 12 Watt Spot Lighter. Cat: 12 Watt Trim Recess Downlighter (Final Colour temperature & Aesthetics selection/finalised by Architects and client) (Basic Rate Rs 2690)	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
157	Supply, Installation, Testing and Commissioning of LED indoor IP20 34,4000lm, 4ft linear LED batten with extruded aluminium housing (Final Colour temprature & Asthetics selection/finalised by Architects and client) upto 6500K. The luminaire shall be compliant with IP20 classification.The fixture should have a minimum system efficacy of 100 lumen/Watt or Maximum and a minimum system lumen output of 1600 lumens and maximum system wattage of 15 Watts. The luminaire shall be designed so as to ensure lumen depreciation of up to 30% over 50k burning hours @ design ambient temp 45 deg C. The electronic driver used shall have a power factor >0.90. The fixture should comply with the parameters as per IS10322. The LED driver should comply to IEC61000-3-2 ed.3.2, 2009 for Harmonics, IEC61347 -2 -13, 2006 in Conjunction with IEC61347-1 ed.2.0, 2007 for Electrical Safety, IEC62384 ed.1.1, 2011 for performance and IEC61547 ed.2.0, 2009, CISPR-15 for EMI. Manufacturer shall have inhouse lab approved by NABL or ministry of science of govt of India. Equivalent to PHILIPS BN100C LED40S-6500 PSU GR (Basic Rate Rs 4390)	0.00	Nos		
158	Supply, Installation, Testing and Commissioning of LED flexible strip light 5m length upto 25W conforming IP 65 of any colour with driver complete. With aluminium profile (Final Colour temprature & Asthetics selection/finalised by Architects and client) (Basic Rate Rs 1820)	0.00	Nos		
159	Supply, Installation, Testing and Commissioning of LED flexible strip light 5m length upto 75W conforming IP 65 of any colour with driver complete With aluminium profile. (Final Colour temprature & Asthetics selection/finalised by Architects and client) (Basic Rate Rs 5100)	103.00	Nos		
160	Supply of finish Decorative Light with aluminium body make. (Final Colour temprature & Asthetics selection/finalised by Architects and client) (Basic Rate Rs 8000)	90.00	Nos		
161	Supplying and erecting LED mirror light with integrated driver including 7W to 9W lamp with polycarbonate housing and opal diffuser to be fixed above mirror or as required on clamps complete. (Basic Rate Rs 655)	5.00	Nos		
162	Supplying & erecting LED 18W tube light fitting (4 feet) with polycarbonate housing, heat sink, integrated HF electronic driver complete. (Basic Rate Rs 560)	0.00	Nos		
163	Supplying & erecting LED 20W tube light fitting (4 feet) with aluminium housing, heat sink, integrated HF electronic driver complete. (Basic Rate Rs 660)	0.00	Nos		
164	Supplying and erecting five star rated energy saving Ceiling fan 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification (Basic Rate Rs 2500)	34.00	Nos		
165	Supplying and Installation Testing Commissioning of Day Light Sensor for lightning control for 1000 VA LED LIGHT load control. (Basic Rate Rs 2540)	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
166	Supplying and Installation Testing Commissioning of movement detectors (Accupancy Sensor)for lightning control with directional movement of 180/360 degree detection angle and 1000 VA Fluorecent tube load control. (Basic Rate Rs 2930)	0.00	Nos		
167	Supplying and erecting fan clamp of 30 x 5 mm. M.S. flat of required length and 10 mm. M.S. bolt and nuts erected with necessary hook of 10 mm. M.S. round bar and painted.	0.00	Nos		
168	Supplying & fixing anchor type fastener fan hook, with 2 nos. of 10 mm dia x 75 mm long with necessary materials for ceiling fan.	0.00	Nos		
169	Supplying and erecting „B“ grade G.I. pipe / M.S. pipe down rod duly painted for fan complete erected with PVC three core flexible cable 1 sq. mm copper PVC wire.	0.00	Rmt		
170	Supplying and erecting air circulator 450 mm. sweep oscillating type, wall mounting 1440 RPM with speed regulator, overheat protection unit, totally enclosed, flame proof motor suitable for 230/250 Volts single phase, 50 cycles A.C. supply, with one meter of 3 core lead wire and with moisture proof treatment to winding and with ‘E’ class insulation.	0.00	Nos		
171	Supplying pedestal type air circulator 450 mm. sweep oscillating type suitable to work on 230 Volts 50 cycles 1440 RPM with speed regulator, metallic blades, overhead protection unit, totally enclosed, flame proof motor with additional 3 core wire, 5 meter length and hand shield type 3 pin 5A. plug top complete wit moisture proof treatment and ‘E’ class insulation.	0.00	Nos		
	FIRE ALARM WORKS Note :- Bidder should check,verify, visit the site for existing fire alarm system. Bidder should confirm the make , model of system and matching with Add on loop card the existing fire alram system before the tender submission.				
172	Removing & Refixing, commisioning of Existing Smoke detector as per revised interior requirments	0.00	Nos		
173	Supply, Installation, Testing and Commissioning of Smoke detector matching with the existing fire alram system	0.00	Nos		
174	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	0.00	Nos		
175	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.matching with the existing fire alram system	0.00	Rmt		
176	Supplying, installation, testing & commissioning of Add on loop card matching with Add on loop card the existing fire alram system	0.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
	<u>PUBLIC ADDRESS ALARM WORKS</u> Note :- Bidder should check,verify, visit the site for existing fire alarm system. Bidder should confirm the make , model of system and matching with the existing public address system before the tender submission.				
177	Removing & Refixing, commisioning of Existing speakar as per revised interior requirments	0.00	Nos		
178	Supply, Installation, Testing and Commissioning of Speakar matching with the existing Public Address system (RECESS TYPE OR BOX TYPE)	0.00	Nos		
179	Supply installation of 2 x 1.5 mm2, Twisted Pair , Multistranded AT Copper, FRLS Armoured cable, BLACK in Colour. The cable shall be laid on surface with GI saddle-spacers every 0.3 meters. Complete with GI Junction Box, lugs, cable compression glands, cable tags and Ferruling.	40.00	Rmt		
	<u>DATA NETWORKING WORKS</u> (The system should be connected with existing networks)				
180	Supplying and erecting ISI mark modular type computer jack Internet Data IO POINTS with safety shutter, duly erected on provided plate and box with wiring connections complete.matching with the existing data networkiung system before the tender submission.	40.00	Nos		
181	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background.	7.00	Nos		
182	Supplying and fixing cat-6 LSZH cable suitable for LAN / WAN as per specification complete	476.00	Rmt		
183	Supplying & laying HMS PVC conduit 20 mm dia. With necessary accessories in RCC work/false ceiling/false flooring as per specification	136.00	Rmt		
	<u>TV SYSTEM (The system should be connected with existing networks)</u>				
184	Supplying & installing co-axial copper cable low voltage grade RG-11 as per specification No. WG-TW	0.00	Rmt		
185	Supplying & installing co-axial copper cable low voltage grade RG-6 as per specification No. WG-TW	345.00	Rmt		
186	Supplying & laying HMS PVC conduit 20 mm dia. With necessary accessories in RCC work/false ceiling/false flooring as per specification No. WG-MA/CC.	323.00	Rmt		
187	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 1 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	0.00	Nos		
188	Supplying and erecting ISI mark modular type T.V. socket single outlet, duly erected on provided plate and box with wiring connections complete.	0.00	Nos		
	LT WORK (INDOOR, EXTERNAL, LIGHTINGFIXTURES, FANS ETC WORK)				

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - A.C. ENCLOSURE

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
189	Supply, Installation, Testing and Commissioning of Ikapp 50 15w 3000k (Abby Automation)	49.00	Nos		
190	Supply, Installation, Testing and Commissioning of Ikapp 50 15w 3000k (ON /OFF)	61.00	Nos		
191	Supply, Installation, Testing and Commissioning of Peeping Tom Semi Recessed 8W	7.00	Nos		
192	Supply, Installation, Testing and Commissioning of All Rounder 14W 3000k	16.00	Nos		
193	Supply, Installation, Testing and Commissioning of All Rounder 18W 4000k	0.00	Nos		
194	Supply, Installation, Testing and Commissioning of Barrel P 15W 4000K	0.00	Nos		
195	Supply, Installation, Testing and Commissioning of Go Pro 35TT 15W	27.00	Nos		
196	Supply, Installation, Testing and Commissioning of Xo Pro 75 36W 4000k	0.00	Nos		
197	Supply, Installation, Testing and Commissioning of Abby Gateway	1.00	Nos		
198	Supply, Installation, Testing and Commissioning of Control Switch For Dimmable Lights	1.00	Nos		
199	Supply, Installation, Testing and Commissioning of LED flexible strip light 5m length upto 33W conforming IP 65 of any colour with driver complete With aluminium profile. (Flnal Colour temprature & Asthetics selection/finalised by Architects and client)	103.00	Nos		
200	Supply of finish Decorative Light with aluminium body make. (Flnal Colour temprature & Asthetics selection/finalised by Architects and client)	90.00	Nos		
201	Supplying, erecting & terminating XLPE armoured cable 3.5 core 25 sq. mm. aluminium conductor FRLS with continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification	0.00	Rmt		
				GRAND TOTAL	

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - LIFT AND ALLIED WORKS (CIVIL)

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
1	CIVIL & STRUCTURAL STRENGTHENING WORKS				
	Excavation for foundations, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits & general building works in all types of soils,				
a	Upto 1.5m	25.00	Cmt		
b	1.5m to 3.0m	25.00	Cmt		
2	Providing and laying Cast in situ cement concrete in M15 grade	10.00	Cmt		
2	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure	2,556.00	SQM		
3	Providing & Fixing Arresting & removing temporary protective screens of NETLON NET with all necessary fixing arrangement to ensure that it remain in position for the entire working duration as required	684.00	SQM		
4	Dismantling old plaster and cleaning the surface for plaster including disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	894.60	SQM		
5	Demolishing brick work in cement mortar including plaster, paint, etc. manually / by mechanical means including stacking of serviceable material and disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	45.00	CUM		
6	Dismantling tile work in floors and roofs laid in cement mortar including disposal of unserviceable with all leads and lifts as per direction of Engineer-in-charge.	909.00	SQM		
7	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	180.63	CUM		
8	Providing and fixing Jute Kantan (Tarat) screen to the scaffold-ing for external gunting as directed including removing the same after the work is over etc. complete	2,556.00	SQM		
9	Providing internal cement plaster 20 mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete.	894.60	SQM		
10	Chasing V groove in joint and refilling in specialized manner with fresh mortar 1:4 and plasticizer & aggregate pieces. (Guesstimate). Name of the plasticizer and proportion with cement mortar. Master pel 777 (Proportion - 200 ml per bag of cement)	750.00	RM		
11	Providing & applying 12 mm thk. internal cement plaster in C.M. 1:5 including waterproofing compound mixed in the proportion as per Manufacturer's recommendation to toilet walls upto required height to create proper finish & level's before tiles fixing for dados including watering, curing,scaffolding, breacking, chipping etc. complete as directed.	894.60	SQM		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - LIFT AND ALLIED WORKS (CIVIL)

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
12	Providing,mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. 26.31.1 SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	2,683.80	SQM		
13	Dismantling Existing Structural Steel & Keeping it safely as per directions of Consultant.	1,500.00	KG		
14	Providing & Laying AAC/Siporex Block Masonery works.	38.34	CUM		
15	Providing & Fixing Reinforcement Steel as per structural Design.	17,600.00	kg		
16	Supplying, Drilling/Cleaning hole and injecting chemical. Application to be designed separately for Rebars as Simply Supported, Moment or Splice Connection	1,200.00	Nos		
17	Filling voids/honeycomb with high pressure injection grouting of Polymer Cement Grout (10% of Polymer by Weight of Cement)	6,000.00	kg		
18	Providing and Fixing of 12 mm nozzle in the crack portion	3,500.00	Nos		
19	Providing internal cement plaster 20 mm thick in Single coats in cement mortar 1:4 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete.	2,044.80	SQM		
20	Chasing V groove in joint and refilling in specialized manner with fresh mortar 1:4 and plasticizer & aggregate pieces. (Guesstimate). Name of the plasticizer and proportion with cement mortar. Master pel 777 (Proportion - 200 ml per bag of cement)	3,000.00	RM		
21	Providing & applying 12 mm thk. internal cement plaster in C.M. 1:5 including waterproofing compound mixed in the proportion as per Manufacturer's recommendation to toilet walls upto required height to create proper finish & level's before tiles fixing for dados including watering, curing,scaffolding, breacking, chipping etc. complete as directed.	2,044.80	SQM		
22	Providing and laying Cast in situ/Ready Mix cement concrete M-50 of trap/granite / quartzite/gneiss metal for R.C.C.slabs and landings as per detailed designs and drawings including steel	160.00	CUM		
23	Providing filling of Micro-concrete and 10 mm aggregate (1:1) including scarificial leakproof MS shuttering	18.90	CUM		
24	Providing and laying in position flooring of granite stone of approved shade and size 18mm to 20mm thick on bed 1:6 cement mortar including cement floats striking joints, pointing in C.M. 1:3 curing and cleaning etc. complete. Basic rate of granite - Rs. 350 /Sft	237.81	SQM		
25	Moulding and Nosing of "Granite Marble" as per design and as per instruction.	200.00	RM		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - LIFT AND ALLIED WORKS (CIVIL)

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
26	Providing and applying plaster / wall punning with plaster of paris (with plaster of paris material) in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface (Excluding rough cast plaster) in all position including preparing and Finishing the surface scaffolding etc.complete.	1,022.40	SQM		
27	Providing and applying Royale Acrylic Emulsion paint on internal wall surface as detailed below Scrapping for surface with emery paper and wipe clean for area. Applying wall primer with brush by adding mineral turpentine oil by 8 to 10 % or water by 15 to 20% allowing to dry for 6 to 8 hours. After applying acrylic wall putty with appropriate proportion of water of allow to dry for period of 4 to 6 hours of activity. Scrapping with emery paper and wipe clean Applying paints Royale Luxury emulsion 1st coat with brush water content water 40 to 45% or 65 to 70% by role Applying paints Royale luxury emulsion 2nd coat with brush with water content 40 to 45 % or 65 to 70 % by roller. (The colour and shade should be as approved by the architect.)	4,089.60	SQM		
28	Providing and applying two coats of textured synthetic paint of approved shade and quality and one coat of primer before applying textured paint including scaffolding if necessary preparing surface by thoroughly cleaning oil, grease, dirt and other materials as required, etc. complete. (The colour and shade should be as approved by the architect.)	817.92	SQM		
29	Supplying & Installing Stainless Steel Railing of with Top rail using S.S.Pipe of Grade AISI -304 using 51 mm diapipe with wall thickness of 1:6 mm inclding fabrication ,Cleaning ,Buffing & polishing etc.complete. Mid rail by using S.S.PipeofGrade AISI -304 with 2 Nos. S.S. pipes of 16 mm dia& 12 mm thick toughened glass pannel including fabrication, Cleaning ,Buffing &polishing etc. complete . The BALUSTAR is to be of satin finish stainless steel vertical post (Balustar) of AISI 304 grade of 47R4series ,etc.complete.(The height of the railing is to be 1.05 meter)	50.00	RM		
30	Providing Anti Termite Treatment	320.00	SQM		
31	Providing and laying in position 10 mm thk. vetrified tiles of approved make in dado of approved shade, height upto 2400 mm, fixed on back coat of cement mortar, pasted with cement slurry or tile addressive, with proper level and alignment to match the layout pattern including raking joints filled with acrylic adhesive compound with matching pigment to provide uniform texture and finish,having top edge chamfered finished with wall finish flush groove of 6mm x 6 mm, etc. as including making cutouts for the sanitary fixtures and fittings and making good for the same complete as per drawing or as directed. Including breaking and require level plaster etc completed. Basic Rate of tile 80/sft.	50.00	SQM		
B	ALLIED WORKS				
32	Making holes of 6" in RCC slab,beam,chajja & making good the same using core cutting machine etc complete as directed	25.00	Nos		
33	Making holes in block/brick masonry of any diameter (upto 300 mm max.) and making good the same in plumbing duct	25.00	Nos		
34	Breaking Zari to in wall to fix CPVC pipe as per pipe dia and reinstate the with M100 after testing.	250.00	RM		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - LIFT AND ALLIED WORKS (CIVIL)

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
35	Removing G.I. pipes internal exposed of any size including fittings etc complete	100.00	RM		
36	Removing G.I. pipes internal concealed of any size including fittings etc complete	100.00	RM		
37	Removing drain pipe (soil, waste water, ventilating or rain water) of any size with all fittings including as directed.	250.00	RM		
38	Removing Cl & cowl caps of any size over pipes.	50.00	RM		
C	ELECTRICAL WORKS				
	LT WORK (MAIN PANELS & DISTRIBUTION BOARDS)				
39	Supplying & erecting triple pole and neutral Per phase isolation distribution board (PPI VERTICAL TPNUB) with double door surface/ flush mounted SPMCB of 36 poles, 12 WAY on iron/ GI frame/wooden board.(horizontal busbar type) as per specification (Lighting Distribution Board) Incomer :- 1 No TPN MCB 63A, B- series in provided distribution board as per specification Outgoing :- 3 No = 2 pole RCCB/RCBO only of electromagnetic type with 30/100/300 mA sensitivity and having capacity of 25 TO 40 A complete as per specification. Outgoing :- 36 No = SPMCB 6A to 32A, B-series in provided distribution board as per specification with all Accessories etc complete.	2.00	Nos		
40	Supplying & erecting original 1.25 mm CRCA sheet metal enclosures with 20A, 2 pin plug & earth socket and 20A, 3 pin plug top with 20A/30A single pole MCB complete erected on angle iron/ GI frame.	1.00	Nos		
	LT WORK (MAIN ARMOURED CABLES, CABLE TRAY, FLOOR TRUNKING, PVC TRUNKING DISTRIBUTION WORK)				
41	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 150 mm width & 75 mm height complete with necessary coupler plates, Tee, Bends, 4way & hardware in approved manner.	100.00	RM		
42	Providing & erecting Hot dipped galvanized perforated type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 200 mm width & 75 mm height complete with necessary coupler plates, Tee, Bends, 4way & hardware in approved manner.	100.00	RM		
	LT WORK (MAIN CIRCUIT WIRING, CONDUIT, SWITCH SOCKET MODULE DETAILS DISTRIBUTION WORK)				
	POINT WIRING				
43	Primary Point wiring for light/fan/bell hybrid type (Surface type under false ceiling and concealed type for drops & switch boards on walls) in min 20 mm PVC conduit with 1.5 sq.mm. (2+1E) FRLSH grade copper wires, modular type switch, earthing and required accessories as per specification (Note:- Maximum Length Upto 6 to 10 Mtr from Switchboard)	100.00	Nos		
44	Secondary point wiring for additional light/ bell point, hybrid type (Surface type under false ceiling type in min 20 mm FRLS grade PVC conduit with 1.5 sq.mm. (2+1E) FRLSH gradecopper wires with required accessories as per specification (Note:- Maximum Length Upto 3 to 5 Mtr from Primary Point)	50.00	Nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - LIFT AND ALLIED WORKS (CIVIL)

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
45	Group Control Light Point Wiring 4-8 Points Controlled hybrid type (Surface type under false ceiling type in min 20 mm FRLS grade PVC conduit with 1.5 sq.mm. (2+1E) FRLSH gradecopper wires with required accessories as per specification by One 15 A SP Switch (Note:- Maximum Length Upto 20 to 25 Mtr from Switchboard)	50.00	Nos		
46	Group Control Light Point Wiring 4-8 Points Controlled hybrid type (Surface type under false ceiling type in min 20 mm FRLS grade PVC conduit with 1.5 sq.mm. (2+1E) FRLSH gradecopper wires with required accessories as per specification by One 16 A SPMCB (Note:- Maximum Length Upto 35 to 40 Mtr from Switchboard)	30.00	Nos		
	MAIN CIRCUIT WIRING				
47	Supplying & erecting mains with 2x1.5 sq.mm. and earth wire 1.5 sq.mm FRLSH PVC copper wire, in HMS PVC conduit min. 20mm dia as per specification	100.00	RM		
48	Supplying & erecting mains with 2x2.5 sq.mm. and earth wire 1.5 sq.mm FRLSH PVC copper wire in HMS PVC conduit min. 20mm dia. as per specification	100.00	RM		
49	Supplying & erecting mains with 2x4 sq.mm. and earth wire 2.5 sq.mm FRLSH PVC copper wire in HMS PVC conduit min. 20mm dia, as per specification	800.00	RMT		
50	Supplying & laying HMS PVC conduit 20 mm dia. With necessary accessories in RCC work/false ceiling/false flooring / Wall Concealed as per specification	200.00	RMT		
51	Supplying & laying HMS PVC conduit 25 mm dia with necessary accessories in RCC work/false ceiling/false flooring Wall Concealed as per specification	200.00	RMT		
52	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 2 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	5.00	Nos		
53	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 3 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	16.00	Nos		
54	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 4 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	5.00	Nos		
55	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 6 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	9.00	Nos		
56	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 8 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	3.00	nos		

PROPOSED REFURBISHMENT OF PRESIDENT BOX – 2, A.C. ENCLOSURE AND LIFT WORKS AT WANKHEDE STADIUM FOR MUMBAI CRICKET ASSOCIATION

BOQ - LIFT AND ALLIED WORKS (CIVIL)

SR NO	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
57	Supplying and erecting unbreakable concealed type modular switch box with double mounting plate for 12 module duly erected flush to wall with required chiselling and finishing with cement mortar / POP as per required to match the background..	5.00	Nos		
58	Supplying and erecting ISI mark modular type switch 6A / 10A duly erected on provided plate and box with wiring connections complete.	35.00	Nos		
59	Supplying and erecting ISI mark modular type switch 16A duly erected on provided plate and box with wiring connections complete.	20.00	Nos		
60	Supplying and erecting ISI mark modular type switch one way 16 / 20 A, duly erected on provided plate and box with wiring connections complete with neon indicator.	21.00	Nos		
61	Supplying and erecting ISI mark modular type 3 pin 6A multi sockets with safety shutter, duly erected on provided plate and box with wiring connections complete.	26.00	Nos		
62	Supplying and erecting ISI mark modular type 3 pin 6 / 16A multi socket with safety shutter, duly erected on provided plate and box with wiring connections complete.	14.00	Nos		
63	Supplying and erecting ISI mark modular type 3 pin 20A multi socket with safety shutter, duly erected on provided plate and box with wiring connections complete.	25.00	Nos		
	LT WORK (INDOOR, EXTERNAL, LIGHTINGFIXTURES, FANS ETC WORK)				
64	Supply, Installation, Testing and Commissioning of LED flexible strip light 5m length upto 75W conforming IP 65 of any colour with driver complete With aluminium profile. (Final Colour temprature & Asthetics selection/finalised by Architects and client) (Basic Rate Rs 5100)	50.00	Nos		
65	Supply of finish Decorative Light with aluminium body make. (Final Colour temprature & Asthetics selection/finalised by Architects and client) (Basic Rate Rs 8000)	10.00	Nos		
66	Supplying and erecting LED mirror light with integrated driver including 7W to 9W lamp with polycarbonate housing and opal diffuser to be fixed above mirror or as required on clamps complete. (Basic Rate Rs 655)	5.00	Nos		
67	Supplying & erecting LED 18W tube light fitting (4 feet) with polycarbonate housing, heat sink, integrated HF electronic driver complete. (Basic Rate Rs 560)	5.00	Nos		
68	Supplying & erecting LED 20W tube light fitting (4 feet) with aluminium housing, heat sink, integrated HF electronic driver complete. (Basic Rate Rs 660)	5.00	Nos		
69	Supplying and erecting five star rated energy saving Ceiling fan 230 V A.C. 50 cycles 1200 mm complete erected in position as per specification (Basic Rate Rs 2500)	5.00	Nos		
			TOTAL		