

# THE SHIPPING CORPORATION OF INDIA LTD.

(A Government of India Enterprise)

**MARITIME TRAINING INSTITUTE**

**ADMINISTRATION DEPARTMENT**

Price Bid

**E-Tender for Construction of Swimming Pool for The Shipping Corporation of India at Maritime Training Institute ,Powai,  
BOQ (Part-II)**

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
<b>A</b>	<b>SWIMMING POOL &amp; BALANCING TANK</b>				
1	Excavation for foundation in Soft rock and old cement or lime masonry foundations including removing the excavated material upto a distance of 50 metres beyond the building area and stacking as directed, including dewatering, preparing the bed for the foundation and necessary back filling with available earth /murum, ramming, watering including shoring and strutting etc. complete (lift upto 1.5m) By Mechanical Means				
	SSR 2019 PN-198, Item No-21.14	Cum	800.00		0.00
					0.00
2	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means	Cum	800.00		0.00
	Rate as per C.S.R. Item No. 21.02 BDA 1 ,P.N. 187				0.00
					0.00
3	Providing and doing the soil test of site as required for the Swimming pool construction with relevant IS Codes, item shall include excavation and test the same in a lab approved by Engineer In Charge. Provide the same to Engineer In Charge for Detail Structural Designs.	Lumsum	1.00		0.00
					0.00
4	Providing preconstructional antitermite treatment as per I.S. 6313 (Part-II) by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrate at 1.0 percent of chlorophyrisos per square metre of surface area covering ten years guarantee on bond paper.				0.00
	Rate as per C.S.R. Item No. 21.24 BDW 2 ,P.N. 190	Sq.Mt	310.00		0.00
					0.00
5	Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete.				0.00
	Rate as per C.S.R. Item No. 21.36 BDA 10 ,P.N. 191	/Cum	400.00		0.00
					0.00
6	Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete.				0.00
	SSR 2019 PN-201, Item No-21.37	Cum	160.00		0.00
					0.00
7	Providing solling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.				0.00
	Rate as per C.S.R. Item No. 21.40 BDA ,P.N. 192	/Cum	70.00		0.00
					0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
8	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand				0.00
	SSR 2019 PN-226, Item No-24.01	Cum	82.00		0.00
					0.00
9	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, parrises, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.				0.00
	SSR 2019 PN-120, Item No-14.01	MT	38.00		0.00
					0.00
10	Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing etc. complete.				0.00
	Rate as per C.S.R. Item No. 32.05 BDL 2B ,P.N. 260	/Sqm	1005.00		0.00
					0.00
11	Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-in- charge (including cost of machinery, labour, fuel), etc. complete.				0.00
	MJP.CSR 2015-2016/Item no-14/P.No-30	BHP/h	480.00		0.00
					0.00
12	Providing and applying water proofing treatment using acrylic polymer modified cement based water proofing coating with fibre glass mesh mixing at the rate of powder to liquid (2:1) by weight covering 9 to 10 sqm /kg with two coat using approved chemicals for masonry and concrete surface by brush covering 7 years guarantee on Stamp				0.00
	Rate as per C.S.R. Item No. 31.09, BDJ , P.N. 256	/Sqm	720.00		0.00
					0.00
13	Providing and laying vitrified rustic matt stone finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10mm thickness and confirming to IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid ?on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete. a) Flooring				0.00
	Rate as per C.S.R. Item No. 33.44, B.D.M.12 P.N. 271	/Sqm	340.00		0.00
					0.00
14	Providing and laying vitrified rustic matt stone finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm to 8 to 10mm thickness and confirming to IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid ?on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning. etc. complete. b) Skirting				0.00
	Rate as per C.S.R. Item No. 33.45, B.D.M.12 P.N. 272	/Sqm	34.00		0.00
					0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
15	Providing and laying Cast in situ/Ready Mix cement concrete M-25 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns, COLUMNS, BEAMS , SLABS, WAIST SLAB, WALLS etc. including bailing out water, formwork, shuttering ,cover blocks, laying/pumping, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With natural sand/V.S.I. quality Artificial Sand	Cum	323.00		0.00
					0.00
16	Providing and fabricating structural steel work in rolled sections like joists, channels, angles, tees etc. as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted /welded connections without connecting plates, braces etc. and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade etc. complete.				0.00
	Rate as per C.S.R. Item No. 23.01, B.DC 2 P.N. 214	Metric Tonne	0.5		0.00
					0.00
17	Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting fixing in position, Making riveted/ bolted/ welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete.	Metric Tonne	1.5		0.00
					0.00
<b>B</b>	<b>TOILET BLOCKS</b>				0.00
18	Providing waterproofing in W.C. and bath including brick bat coba in all position including providing and laying 12mm bedding in cement mortar 1:3 on vergin concrete slab with waterproofing compound @ 1kg/per bag of cement laying brick bat coba of required thickness in cm 1:5 with waterproofing compound 1 kg/bag of cement grouting and finishing the top layer with 20mm thick brick bedding in cm mortar 1:3 with waterproofing compound 1 kg/per bag of cement and testing the treated portion for 48 hours by pond test and covering ten years' guarantee on requisite stamp paper including curing etc.complete.	/Cum	8.00		0.00
	Rate as per C.S.R. Item No. 3126 BDJ ,P.N.256				0.00
					0.00
19	Providing cement based water proofing treatment to terraces (Indianwater proofing or alike) with brick bats laid in required slope to drain the water for any span after cleaning the base surface. Applying a coat of cement slurry admixed with approved water proofing compound and laying the brick bats on bottom layer in C.M.1:5 admixed with approved water proofing compound filling up to half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer joints of brick bats with C.M.1:3 admixed with approved water proofing compound and finally top finishing with average 20 mm.thick layers of same mortar added with jute fiber at 1 Kg per bag including finishing the surface smooth with cement slurry admixed with approved water proofing compound. Marking finished surface with false squares of 300mm x 300 mm. making the junctions at the parapet rounded and tapered top for required height, with drip mould at the junction of plaster and parapet and curing and covering 10 years Guarantee against leakproofness on Court fee stamp paper of Rs. 500/- including ponding test etc. complete.	/Sqm	91.50		0.00
					0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
20	Providing and fixing corrugated galvanised iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts, lead and bitumen washers as per drawing etc. complete. (Weight of 5.5 kg/sq.m.). Sheets shall be pre-coated.				0.00
	Rate as per C.S.R. Item No. 38.04 BDR 5 ,P.N.291	/Sqm	270.00		0.00
					0.00
21	Providing fly ash brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete				0.00
	Rate as per C.S.R. Item No. 27.13 BDG ,P.N. 247	/Cum	38.00		0.00
					0.00
22	Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete.				0.00
	Rate as per C.S.R. Item No. 32.11 BDL 7 ,P.N. 261	/Sqm	370.00		0.00
					0.00
23	Providing and laying vitrified mirror / glossy finish tiles decorative type having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 ( group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete. a) Flooring				0.00
	Rate as per C.S.R. Item No. 33.40 BDM 12 ,P.N. 271	/Sqm	30.00		0.00
24	Providing and laying vitrified mirror / glossy finish tiles having size 590 mm to 605 mm x 590 mm to 605 mm of 8 to 10 mm thickness and confirming to IS. 15622-2006 ( group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and clearing etc. complete.b) Skirting				0.00
	Rate as per C.S.R. Item No. 33.41 BDM 12 ,P.N. 271	/Sqm	3.00		0.00
					0.00
25	Providing and laying vitrified matt finish tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and confirming IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete. a) Flooring				0.00
	Rate as per C.S.R. Item No. 33.42 BDM 12 ,P.N. 271	/Sqm	65.00		0.00
					0.00
26	Providing and laying vitrified matt finish tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and confirming IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete. b) Skirting				0.00
	Rate as per C.S.R. Item No. 33.43 BDM 12 ,P.N. 271	/Sqm	6.50		0.00
					0.00
27	Providing and laying ceramic tiles having size 30 cm. x 60 cm. confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete				0.00
	Rate as per C.S.R. Item No. 33.27 BDM 13 ,P.N. 268	/Sqm	100.00		0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
					0.00
28	Providing sills of required material 20mm to 25mm thick, on a bed of cement mortar 1:4 including cement float, filling joints with neat cement slurry, curing, polishing, rounding edges, cleaning complete. b) Granite				0.00
	Rate as per C.S.R. Item No. 33.22, 0 ,P.N. 268	/Sqm	2.00		0.00
					0.00
29	Providing cement patta / band of 2.50 cm width on either side of edges of plaster for doors and windows including scaffolding ,finishing, curing etc. complete.				0.00
	Rate as per C.S.R. Item No. 32.36, BDL ,P.N. 264	/Sqm	15.00		0.00
					0.00
30	Providing and applying Two coats of wall care Putty on plastered surface and Ceiling and Walls to prepare surface even and smooth of approved make, etc complete.				0.00
	Rate as per C.S.R. Item No. 32.34, BDL ,P.N. 264	/Sqm	260.00		0.00
					0.00
31	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary, and watering the surface for two days etc complete.				0.00
	Rate as per C.S.R. Item No. 35.26, BDO ,P.N. 283	/Sqm	370.00		0.00
					0.00
32	Providing and applying plastic emulsion paint of approved quality, colour and shade to old and new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc. complete.				0.00
	Rate as per C.S.R. Item No. 36.12, BDP 6 ,P.N. 285	/Sqm	260.00		0.00
					0.00
33	Providing and fixing flush doors of block board (solid core type) 38/40 mm thick with both sides lamination of thickness 1 mm (Formica/Sunmica etc.) with 2.5 cm thick lipping with hardwood well seasoned and kiln dried bonded with liquid phenol-formal-dehyed (waterproof quality) synthetic resin, exterior grade complete including 3 Nos. per shutter of 100 mm oxidised brass butt heavy duty hinges and screws.	/Sqm	8.00		0.00
34	Providing and fixing Toilet Cubicle System Partitions of Marinolam (ZMS Series), Greenlam or Equivalent as per approval of Engineer-In-Charge and the item shall be inclusive of all accessories and standard installation as per manufacturer's specification Material: Compact Laminate in panels. Made from solid grade compact high-pressure laminate as per IS:2046 and EN438- manufactured under high specific pressure > 5 MPa and temperature 120°C with bunch of kraft papers impregnated with thermosetting phenolic resin and decorative papers made of cellulose fibre impregnated with thermosetting melamine resin which provide superior scratch, abrasion, heat, chemical, impact, graffiti & moisture resistance along with anti-bacterial properties. Panels have a black core that when machined, presents a distinctive black edge. Standard bottom gap should be 150mm. All pilasters will be made of 12 mm thick HPL compact panel with chamfered edge and completed with Nylon Pa6 made thumb turn lock set. Aluminium made door stopper profiles with rubber linings for dampening the noise while door closing will be provided at the vertical ends of the pilasters. Pilasters will be anchored to the floor using Nylon PA6- made adjustable legs. The bottom gap is 150-100 mm. All intermediate partitions or dividers will be made of 12 mm thick Merino HPL compact laminate panels. They are affixed with aluminium made U-channel at their ends for ultimate stability of the system	/Sqm	45.00		0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
35	Providing and fixing in position (as per 1868 / 1982) Aluminium sliding window of three tracks with rectangular pipe 95 x 38.10 x 0.90 mm at weight 0.637 kg/Rmt. with window frame bottom track section 92 x 31.75 x 1.30 mm at weight 1.070 kg/Rmt.. Top and side track section 92 x 31.75 x 1.30 mm at weight 0.933 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. and handle and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineerincharge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc, complete. With colour Anodising without box				
	Rate as per C.S.R. Item No. 39.42, BDT, P.N. 315	/Sqm	6.00		0.00
					0.00
35	Providing and laying telephone black / Amba White / Cadburybrown / Ruby red / Ocean Brown granite stone of 18 to 20 mm thick for doorframe/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing the sharp edges wherever necessary,curing, etc. complete.				0.00
36	Rate as per C.S.R. Item No. 33.68, BDM, P.N. 275	/Sqm	10.00		0.00
					0.00
37	Providing and fixing mild steel grill work for windows, ventilators etc.20 kg/sqm as per drawing including fixtures, necessary welding andpainting with one coats of anticorrosive paint and two coats of oil painting complete				0.00
	Rate as per C.S.R. Item No. 40.01, BDU 1, P.N. 329	/Sqm	6.00		0.00
					0.00
38	Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers. of approved quality etc. complete.				0.00
	Rate as per C.S.R. Item No. 39.68, BDT-53, P.N. 328	/Sqm	3.00		0.00
<b>Water Supply and Sanitary Fitting</b>					0.00
39	Providing and fixing coloured glazed earthenware lipped flat back/corner type urinal with PVC 5 liters flushing cistern with fittings, capacity with fittings, inlet pipe and stop tap, brackets for fixing the cistern, P.V.C. flush pipe with fittings including lead soil pipe, lead trap and soil pipe connection up to the outside face of the wall.				0.00
	Rate as per C.S.R. Item No. 41.61, BDV 27, P.N. 339	/Nos	3.00		0.00
					0.00
40	providing and fixing oval type under counter wash hand basin of 16 inch x 22 inch size and of special colour shade having telephonic black / coloured granite of 180 mm thick stone black kadappa framework including chromium plated coupling bottle - Trap using CERA company or equivalent oval type wash basin model no 3448 as per detailed drawing or as directed by engg incharge etc complete. (Counter size 1.20 m x 0.60 m )				0.00
	Rate as per C.S.R. Item No. 42.88, BDV , P.N. 355	/Nos	4.00		0.00
					0.00
41	Providing and fixing 10 cm CP nahani trap with grating etc. complete.	/Nos	12.00		0.00
					0.00
42	Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and with frame fixed in cement concrete with R.C.C. Cover medium duty 140 kg with frame etc				0.00

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		<b>A</b>	<b>B</b>	<b>C</b>	<b>D=BXC</b>
	Rate as per C.S.R. Item No. 42.12, BDV 43, P.N. 344	/Nos	2.00		0.00
					0.00
43	Providing and fixing in position 6 mm thick clear Belgium glass mirror, on 9 mm thick marine plywood with necessary frame-work / wooden decorative molding on the wall to get the surface in plumb, line and level. The exposed framework to be painted with enamel paint of approved colour and shade or polished etc. complete.	/Sqm	4.00		0.00
					0.00
44	Providing and fixing reinforced cement concrete cover of size 90 cm x 45 cm with frame over inspection chamber etc. complete. Medium				0.00
	Rate as per C.S.R. Item No. 42.69, BDV , P.N. 352	/Rmt	2.00		0.00
					0.00
45	Providing and fixing white european type wall-hung, of size 360mm x 360mm x 575mm with flush valve of approved make including soil pipe, vent pipe upto outside face of wall, 100mm dia C.I. plug bend inlet pipe all fittings, cutting & making good walls, floors etc as directed by Engineer in charge.				0.00
	Rate as per C.S.R. Item No. 48.3, BDV 23 , P.N. 396	/Nos	6.00		0.00
					0.00
46	Providing and fixing P.V.C. Rain water pipes of 160mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592-1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc.complete				0.00
	Rate as per C.S.R. Item No. 42.85, BDV , P.N. 354	/Rmt	10.00		0.00
					0.00
47	Providing and fixing P.V.C. Rain water pipes of 110mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592- 1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete				0.00
	Rate as per C.S.R. Item No. 42.87, BDV , P.N. 354	/Rmt	10		0.00
					0.00
48	Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, singlejunctions, slotted vent, clamps etc. complete				0.00
	Rate as per C.S.R. Item No. 42.52, BDV , P.N. 350	/Rmt	10.00		0.00
					0.00
49	Providing and fixing 15 mm dia. screw down bib/ stop tap of brass including necessary socket union nut complete.				0.00
	Rate as per C.S.R. Item No. 41.40, BDV 8 , P.N. 337	/No.	10.00		0.00
					0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
50	Providing and fixing 15cm x 10cm salt glazed stoneware gully trap in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron lid and cast iron grating for the gully trap.				0.00
	Rate as per C.S.R. Item No. 42.02, BDV 38 , P.N. 343	/No.	2.00		0.00
					0.00
51	Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythylar and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 2000L				0.00
	Rate as per C.S.R. Item No. 42.54, BDV , P.N. 350	/Ltr.	2000.00		0.00
					0.00
52	C.P.Towel ring square jaquar make continental (Cat. No. ACN 1121N )	Nos	5		0.00
	Rate as per C.S.R.18-19 Item No. 229, BDV , P.N. 469				0.00
					0.00
53	C.P.Handshower (health faucet) 1m.PVC tube with wall hook jaquar make (Cat. No. ALD 563 )				0.00
	Rate as per C.S.R.18-19 Item No. 234 , P.N. 469	Nos	6		0.00
					0.00
54	Providing and fixing C.P.Pillar cock jaquar make queen's collection (quarter turn fitting) (Cat. No. QQT 7011 )				0.00
	Rate as per C.S.R.18-19 Item No. 235 , P.N. 469	Nos	6		0.00
					0.00
<b>C</b>	<b>ELECTROMECHANICAL</b>				0.00
55	Supply, installation, testing & commissioning of movable trolley mounted suction sweeping pump 2 HP pump / 3 Phase with allied electrical wiring & starter as per site condition from electrical pannel to pump for suction sweeping of pool floor, minimum unit warrent 5 yrs, should satisfy semi-olympic swimming pool requirements, Make- Kirloskar / Astaral / Kripsol / Equivelent as directed by Engineer incharge, including all Labour & Materials etc complete.	Nos	1		0.00
					0.00
56	Supply, installation, testing & commissioning of swimming pool vertical bobbin wound filter 1200mm dia with side mounting for MPV with filtration velocity 40m3/h/m2, Flow 50 m3/hr capacity 2.5Kg/SqCm Connection min conection size 63mm inclusive of all foundation, piping, pipe fittings as per site condition,Warrenty minimum 10 years on company's letter head. Make -Astral / Waterco / Certikin / Pentair as directed by Engineer-in- charge including all Labour & Materials etc complete.	Nos	3		0.00
					0.00
57	Supply, installation, testing & commissioning of Suction Vacuum head 24" wide made of SS304, including cotton 12mm dia rope 2- Nos length min 28mts each with 5 years Warrenty, Should satisfy semi-olympic swimming pool requirements, Make- Astral / Safe Water India / Kripsol, as directed by Engineer-in-charge direction, including all Labour & Materials etc complete.	Nos	1		0.00
					0.00
58	Supply, installation, testing & commissioning of flexible vaccume hose in blue colour made of chlorine resistant 38mm OD, 30 meter long with both end attachements as per pump & suction connectors, Should satisfy semi-olympic swimming pool requirements, Make- Astral / Kripsol / Certicane / Hayward / Equivelent, as directed by Engineer-in-charge direction including all Labour & Materials etc complete.	Nos	1		0.00
					0.00



S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
59	Supply, installation, testing & commissioning of Multiport valve for 1200mm dia vertical bobbin wound filter side mounted MPV inclusive of all piping, pipe fittings as per site condition .Warrenty minimum 10yrs. On company's letter head from Country head. Make -Astral / Waterco / Certikin as directed by Engineer-in-charge including all Labour & Materials etc complete.	Nos	3		0.00
					0.00
60	Supply, installation, testing & commissioning of chlorine dosing pump of capacity 20 LPH @ 5 bars for filter bobine wound of 1200mm with filtration velocity: 40m3/h/m2, Flow :50 m3/hr inclusive of all piping, pipe fittings as per site condition, electrification form pannel to chlorine dosing pump etc. Warrenty minimum 5 years, Make -Astral / Waterco / Certikin as directed by Engineer-in-charge including all Labour & Materials etc complete.		1		0.00
					0.00
61	Supply, installation, testing & commissioning of chlorine dosing tank capacity 500 Liter, for chlorine dosing pump of capacity 20 LPH inclusive of all foundation, piping, pipe fittings as per site condition etc, Warrenty minimum 5 years, Make -Astral / Sintex / Plasto / equivalent, as directed by Engineer-in-charge including all Labour & Materials etc complete.	Nos	1		0.00
					0.00
62	Supply & installationtesting & commissioning drain grill made of SS304 size 500mm X 500mmto as per darin out requirement of pool inclusive of all fixing anchors as per site requiremewnt & have to be flushed to floor tiles. Warrenty minimum 10 years on company's letter head from Country head, Make -Safe water India / GESPL / Wisdom Engineering, as directed by Engineer-in-charge including all Labour & Materials etc complete.	Nos	2		0.00
					0.00
63	Supply, installation, testing & commissioning of monoblock Pump (5 HP pump / 3 Phase), Flow: 60 m3/hr @ 12m head for vertical filter of dia 1200mmto achive filtration velocity: 40m3/h/m2 inclusive of all foundation, piping, pipe fittings as per site condition, Warrenty minimum 5 years, on company's letter head from Country head, Make -Astral / Saci / Hayward / Pentair , as directed by Engineer-in- charge including all Labour & Materials etc complete.	Nos	3		0.00
					0.00
64	Supply, installation, testing & commissioning of swimming pool ozone of 100gm/hr capacity suitable for horizontal bobbin wound filter of flow rate 85cumts/hr each with flow velocity 40 cum/hr/sqm inclusive of all foundation, piping, electrification form pannel to ozone etc. Warrenty minimum 5yrs on company's letter head from Country head. Make -Safe water India / GESPL / Wisdom Engineering / Sara, as directed by Engineer-in-charge including all Labour & Materials etc complete.	Nos	2		0.00
					0.00
	<b>Features Required in Ozone Generator:-</b> <ul style="list-style-type: none"> <li>• "High Barrier Quartz Electrode" to give high concentration ozone and high Operating life.</li> <li>• Water Cooled Electrode to give consistent Ozone Output.</li> <li>• SS 316 (L) Ozone cell for High Corrosion free Life</li> <li>• IGBT based inverter for Smooth Operations and Reliability.</li> <li>• Ferrite based Oil Cooled high voltage transformer for Zero Break Down</li> <li>• Venturi Ozone dosing system for better Ozone mixing.</li> <li>• Test Certificate and traceability for Ozone Output generated</li> </ul>				0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
	<b>Ozone Generator:-</b> Cabinet:- MS Power Coated. Inverter:- High frequency IG BT Based Resonate Mode Inverter With Out Put Power Control. Power:- 6 KW. Electrode:- • 8 Electrode in One water cooled housing made in SS 316 L Electro polished with accurate gap • S8 – 600 Model is selected having 8 electrodes of 600mm length & 50mm dia. Dielectric:- High Barrier Quarts Dielectric with stainless steel centre electrode for long life and accurate Ozone Production. Discharge:- Corona Discharge on Dielectric not to exceed 0.3w/sq cm for long life of electrode. Ozone :- 8- 10% w-w. Feed Gas Purity:- 85 TO 90+%. Ozone Output:- 100 gms/hr. Safety and Interlock. Oxygen Flow Switch:- To Cut off Ozone if no oxygen flow. Low Pressure:- To Cut Ozone if low oxygen pressure. Water Flow:- To Cut Ozone if no cooling water. Water Temperature :- To Cut Ozone if the water temperature is high. Spark:- To Cut off Ozone if HV Spark. Over Voltage Protection:- Required. Under Voltage Protection :- Required. Over Current Protection:- Required. High Humidity Protection:- Electronic are coated with special water proof lacquer to prevent corrosion due to moisture. Technical specification of PSA oxygen Concentrator. Oxygen Concentrator:- PSA 30. Capacity of O2				0.00
					0.00
65	Supply, installation of 4-step ladder for over flow type swimming pool in SS316 material, steps should be of anti-skid marks inclusive of all cutting & concreting for fixing of ladder base as per site condition etc, Warranty minimum 5 years, Make - Astral / Haywards / Kripsol / equivalent, as directed by Engineer-in-charge including all Labour & Materials etc complete.	Nos	2		0.00
					0.00
66	Supply, installation of over flow type swimming pool 6-step ladder in SS316 material, steps should be of anti skid marks inclusive of all cutting & concreting for fixing of ladder base as per site condition etc. Warranty minimum 5yrs. Make - Astral / Haywards / Kripsol / equivalent, as directed by Engineer-in-charge including all Labour & Materials etc complete.	Nos	2		0.00
					0.00
67	Supply & placement of silica as per filter manufacturer requirement of silica sizes. Make- Godra silica, as directed by Engineer-in- charge including all Labour & Materials etc complete. (Kg)	Kg	1800		0.00
					0.00
68	Supply, installation, testing & commissioning of plumbing works in PVC 10 Kg/SqCm with allied fittings & Valves as per site requirement with ASTM standards, (Lumb-Sum), as directed by Engineer-in-charge including all Labour & Materials etc complete.	LS	1		0.00
					0.00
69	Supply, installation, testing & commissioning of floor inlet made of ABS, chemical resistant, Water flow should be 360deg adjustable flow, flushed to floor tiles, Make- Astral / Haywards / Kripsol / equivalent, as directed by Engineer-in- charge including all Labour & Materials etc complete.	Nos	26		0.00
					0.00
70	Supply & placement of over flow grating 300mm wide & 35mm in depth made of ABS, chemical resistant with UV protection. Make- Astral / Haywards / Kripsol / Safe Water India / Sara, as directed by Engineer-in-charge including all Labour & Materials etc complete. (Mts)	Nos	55		0.00
					0.00
71	Diving Board 3m Breadth of Diving Board 500 mm. Thickness of Diving Board 2.5 to 1.5 MOC Fibre Coated treated teak wood with coating and upper layer of fibre. Make- Astral / Haywards / Kripsol / equivalent, as directed by Engineer-in-charge including all Labour & Materials etc complete.	Nos	1		0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
					0.00
72	Providing and laying vitrified pool tile of size 247 mm X 122 mm and thickness 8mm conforming to BIS 13756 and FINA ( Federation International De Nation) Standard on horizontal surface ( floor) in swimming pool / diving pool of approved manufacturer and specified shade like Orient Blue / Dark Blue / new blue etc. laid in approved pattern on 3-6 mm ( 5mm average) thick bed of adhesive mortar of Polymer modified cementitious adhesive ( Bal Endura gold star / letecrete / Rock force ) in conjunction with polymer modified liquid Bal Endura admix Adlor equivalent product of letecrete / Rock force mixed in required porportion as specified by manufacturer including filling / scaling of joints 2-3 mm thick between the tiles with epoxy grout of Bal Endura Epoxy grout / Letecrete / Rock force with matching colour pigment to make it water tight and finished neat complete, as directed by Engineer-in-charge including all Labour & Materials etc complete. (SqM)	SqM	570		0.00
					0.00
73	Providing & Fixing Hydrophilic base 50 mm wide, 5 mm thick fixed at place of Concrete Joints during the execution of work. The hydrophilic base jointing (resweallable water bar) having a swelling capacity of 800%Water bar Mts, as directed by Engineer-in-charge including all Labour & Materials etc complete. (Mts)	RMt	350		0.00
					0.00
74	Supply & Fix in position Personal Lockers made up of MS powder coated of Godrej Interio or equivalent as per engineer-incharge & consultant. Supply & installation.	Nos	6		0.00
<b>D</b>	<b>ELECTRICAL</b>				0.00
75	Supply, installation, testing & commissioning of electrical Panel as per requirement of Swimming pool having under water lighting, Filtetation Pumps, Suction pumps, Ozone etc, should satisfy semi-olympic swimming pool requirements, Make- Safe water India / Sara / GESPL / wisdom. with 5 years of warrenty, as directed by Engineer-in-charge directions, including all Labour & Materials etc complete.	Nos	1		0.00
					0.00
76	Supply, installation, testing & commissioning of swimming pool under water light 40W/12Volt including transformer & 2 core 4 Sqmm cable from light to pannel, consider pannel location more than 6 meter from pool center, Cable enclosed in PVC / UPVC plumbing pipes and fittings not less than 6kg/sqcm pressure from light to pannel as per site requirements, Light warrent 5yr. Make- Astral / Canamaqua / Waterco / Safe Water India, as directed by Engineer-in-charge including all Labour & Materials etc complete.	Nos	4		0.00
					0.00
77	Supplying and erecting <b>Exhaust fan medium duty</b> 230 V A.C.50cycles 225 mm. 1400RPM with condensor complete erected in position with necessary materials. Fan motor with moisture proof treatment and'E' class insulation and marking Sr. No. & date of ersion.Item shall also include Motion Sensors of Schneider/wipro/philips or equivalent.The Exhaust shall be <u>connected to the motion sensors.</u>	Nos	10		0.00
					0.00
78	Supplying and erecting Five Star Rated Energy Saving Ceiling Fan230 V A.C. 50 cycles 1200 mm complete erected in position as per specifcation no.FG-FN/CF	Nos	3		0.00
	Rate as per C.S.R item no 2.13.22 & p.no. 63				0.00
					0.00
79	Supplying and fixing 18W LED tubelights of approved make with all necessary accessories and complete fitting	Nos	7		0.00
					0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
80	Supplying, erecting & marking SPMCB 6A to 32A, B- series (for lighting) in provided distribution board as per specification No. SW-SWR/MCB	Nos	2		0.00
	Rate as per C.S.R. item no 5.3.3 & p.no. 93				0.00
					0.00
81	Supplying and erecting modular type switch 6A / 10A ISI mark approved make duly erected on provided plate and box with wiring connections complete.	Nos	21		0.00
	Rate as per C.S.R. item no 1.8.1 & p.no. 26				0.00
					0.00
82	Supplying and erecting modular type switch 16A ISI mark approved make duly erected on provided plate and box with wiring connections complete.	Nos	3		0.00
	Rate as per C.S.R. item no 1.8.2 & p.no. 26				0.00
					0.00
83	Supplying and erecting modular type 3 pin 6A multi socket with safety shutter ISI mark approved make duly erected on provided plate and box with wiring connections complete.	Nos	21		0.00
	Rate as per C.S.R. item no 1.8.10 & p.no. 27				0.00
					0.00
84	Point wiring for independent plug in 20 mm rigid PVC conduit with 1.5 sq.mm (2+1E) FR grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	Nos	21		0.00
	Rate as per C.S.R. item no 1.9.7 & p.no. 32				0.00
					0.00
85	Supplying & erecting I.S.I. mark Rigid P.V.C. conduit 20 mm. dia. with necessary accessories in wall/floor with chiselling appropriately as per specification No: WG-MA/CC, para no. 1.2.1				0.00
	Rate as per C.S.R. item no 1.1.7 & p.no. 12	RMT	80		0.00
					0.00
86	Supplying, erecting & terminating PVC armoured cable 3 core 2.5 sq mm copper conductor 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 no. CB-LT/CU	RMT	150		0.00
	Rate as per C.S.R. item no 7.2.5 & p.no. 133				0.00
					0.00
87	Supplying and erecting 6 to 32 A SPMCB suitable to fix in 1 module of modular switch in provided box complete & duly concealed with necessary material and connected	Nos	9		0.00
	Rate as per C.S.R. item no 1.8.46 & p.no. 30				0.00
					0.00
88	Supplying & installation 22 Watt Square Surface LED Panel Lights (White)	Nos	8		0.00
					0.00
89	Supplying PVC insulated PVC round sheathed 1 sq.mm (32no. x 0.20mm dia.) 3 core flexible multi stranded copper Industrial cable for voltage grade up to 1.1 kV	Rmt	300		0.00
	Rate as per C.S.R. item no 1.3.28 & p.no. 18				0.00
90	Supplying PVC insulated PVC round sheathed 2.5 sq.mm (50 no. x 0.25 mm dia.) 3 core flexible multi stranded copper Industrial cable for voltage grade up to 1.1 kV	Rmt	180		0.00
	Rate as per C.S.R. item no 1.3.30 & p.no. 18				0.00
					0.00
91	Supplying and erecting PVC Surface modular double mounting plate 6 module complete duly erected in an approved manner	Nos	1		0.00
	Rate as per C.S.R. item no 1.8.52 & p.no. 30				0.00
					0.00
92	Supplying and erecting PVC Surface modular double mounting plate 12 module complete duly erected in an approved manner.	Nos	1		0.00
					0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
93	Supplying and erectingPVC Surface modular double mounting plate16/18 module complete duly erected in an approved manner	Nos	1		0.00
	Rate as per C.S.R. item no 1.8.55 & p.no. 30				0.00
					0.00
94	Painted GI electrical pools with 225 Wtt LED light, wiring, fixing (all civil material & works). Size, shape & specification will be finalised at execution stage as per engineer-incharge & consultant. Supply & installation.	Nos	6		0.00
					0.00
<b>E</b>	<b>MISCELLANEOUS</b>				0.00
95	Supply, installation, testing & commissioning of telescopic adjustable aluminium rod of length 3.5 meter to 7.5 meter with gripper & attacheble to Leaf rake, Curved brush & SS brush. Make- Astral / Kripsol / Certicane / Hayward / Equivelent, as directed by Engineer- in-charge including all Labour & Materials etc complete.	Nos	1		0.00
					0.00
96	Supply, installation, testing & commissioning of algae brush with SS brestiles, Make- Kripsol / Aqualux / Hayward / Equivelent, as directed by Engineer-in-charge including all Labour & Materials etc complete.	Nos	2		0.00
					0.00
97	Supply, installation, testing & commissioning of curved brush with nylon bristles for detachment of dust from floor & cleaning of pool walls, Make- Kripsol / Aqualux / Hayward / Equivelent, as directed by Engineer-in-charge including all Labour & Materials etc complete.	Nos	2		0.00
					0.00
98	Supply, installation, testing & commissioning of deep leaf net. Make- Kripsol / Aqualux / Hayward / Equivelent, as directed by Engineer- in-charge including all Labour & Materials etc complete.	Nos	2		0.00
					0.00
99	Supply, installation, testing & commissioning of test kit tablet type. Make- Kripsol / Aqualux / Hayward / Equivelent, as directed by Engineer- in-charge including all Labour & Materials etc complete.	Nos	2		0.00
					0.00
100	Drinking water cooler 80 liter storage capacity. Make & model will be desided by enginner- incharge & consultant at execution stage. Supply & installation.	Nos	1		0.00
					0.00
101	MS garden benches. Size, shape, colour & specification will be finalised at execution stage as per engineer-incharge & consultant. Supply & installation.	Nos	4		0.00
102	Sewer Line Connection to Main line from Swimming Pool.	RMt	20		0.00
	Providing & Suppling Connection of sewer line from swimming pool area to main sewer line available on site , as per direction of Engineer-in-charge.Item to include all items required to complete the job work and not limited to excavation, providing pipe & connectors as per relevant (BMC/MCGM/CPWD) IS Codes & specifications.				0.00
103	Water Supply Line Connection to Swimming Pool Area from Main line.	RMt	30		0.00
	Providing & Supplying Connection of water supply lines, both drinking water as well as usable water from Main line available on site ,as per direction of Engineer-in-charge.Item to include all items required to complete the job work and not limited to excavation, providing pipe & connectors as per relevant (BMC/MCGM/CPWD) IS Codes & specifications.				0.00
104	Electric Supply Line Connection to Swimming Pool Area from Main line.	RMt	20		0.00

S.N.	PARTICULARS	UNIT	QTY	RATE (Rs.)	AMOUNT (Rs.)
		A	B	C	D=BXC
	Providing & Suppling Connection of electricity as per requirement of site ,from Main line available on site and as per direction of Engineer-in-charge.Item to include all items required to complete the job work and not limited to excavation, providing pipe & connectors as per relevant (BMC/MCGM/CPWD) IS Codes & specifications.				0.00
105	Diversion of Overflow water Connection of existing Lake to main drain line.	RMt	30		0.00
	Removing existing Overflow pipes infringing with the proposed connection & diverting the overflow of lake water to the main drain line as per requirement of site ,from Main line available on site and as per direction of Engineer-in-charge.Item to include all items required to complete the job work and not limited to excavation, providing pipe & connectors as per relevant (BMC/MCGM/CPWD) IS Codes & specifications.				0.00
					0.00
106	Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm, 8 gauge thick and fixed 75 mm above ground level on vertical M.S. Angles of 40 x 40 x 6 mm size, with iron bar 16mm dia as hold fast including welding link with angle frame at 30 cm c/c with nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm angles both side at every corner or bend embedded in concrete including 3 coats of oil painting etc. complete	SqM	40		0.00
					0.00
107	Design & execution of the artwork as required at the locations specified by SCI Engineer-In-Charge and Execution on walls of the Approved designs at specified locations. Item should be including Design & Execution on site at all levels & all materials required such as paints, brushes,etc.	SqM	20		0.00
					0.00
108	Design & execution of min 150 mm wide PVC Gutter to the Slopping Roof including all accessories required to complete the work at all heights and as per instruction of Engineer-In-Charge	RMt	20		0.00
<b>Total Amount</b>					-
<b>Add GST.....%</b>					-
<b>GRAND TOTAL</b>					-

Note

- 1 Tenderers are required to quote all inclusive rates except GST, strictly as per the format provided above.
- 2 Tenderers are advised to quote their best and final rates in the above price offer, SCI will not entertain any revised offers.
- 3 All of the above works shall be executed as per the directions of the Engineer in charge .

We confirm that the above quoted rates are in accordance with the Terms & Conditions of the Tender .

Place :

Date :

Signature with Official Stamp  
Name & Designation of Signatory