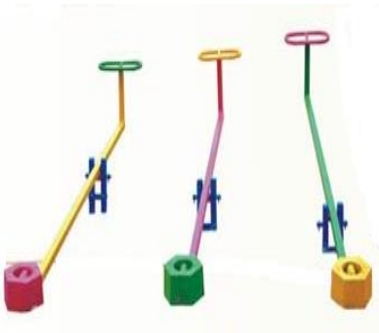








**Name of work : Supply and installation of Play Equipments / Science base equipments in
Park at CTS No. 5/A/1/1 Gokhale College, Borivali (W)**



Rate Quotation



Sr. No.	Description	Images	Quantity	Unit	Rate (INR)	Total Without GST	Applicable GST	Total With GST
1	<p>Supply and Installation of "FIRST ORDER LEVER" gadget equipment of size : 9' x 7' x 1' including fabrication, painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge and as details given below;</p> <p>a. Horizontal Weight Bearing Pipe of 9' in length of dia - 2 1/2", 3.6 mm thick GI pipe (B-Class), weight - 20 Kg at the end point in the material of standard make.</p> <p>b. Connected handle : 1" dia GI pipe (B-Class) 1' in length of with 3.6 mm thick of adjusted according to scientific principle to be demonstrated</p> <p>c. Fulcrum point made of 1" pipe GI (B-Class), Case Hardened Bush and Shaft 1 1/2" Heavy Pipe for support in three nos. etc complete.</p>		1	Set				
2	<p>Supply and Installation of "SECOND ORDER LEVER" gadget equipment of size : 9' x 7' x 1' including fabrication, painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge and as details given below;</p> <p>a. Horizontal Weight Bearing Pipe of 9' in length</p>		1	Set				



	<p>with dia - 2 1/2", attached to 8 mm dia wire open coli helical spring</p> <p>b. Connected handle : 1' GI pipe (B Class) of 1" dia & 3.6 mm thick.</p> <p>c. Fulcrum point made of 1" GI Pipe (B Class), Case Hardened Bush and Shaft, 1 1/2" Heavy Pipe, 22 mm bright rod in three Nos.etc complete.</p>						
3	<p>Supply and Installation of "THIRD ORDER LEVER" gadget equipment of size : 9' x 7' x 1' including fabrication, painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge and as details given below;</p> <p>a. Horizontal Weight Bearing Pipe of 9' in length with dia - 2 1/2", attached with 8 mm dia wire open coli helical spring</p> <p>b. Connected handle : Length of 1" dia. GI pipe (B Class) & 3.6 mm thick.</p> <p>c. Fulcrum point made of 1" dia. GI Pipe (B class), Case Hardened Bush and Shaft of standard make, 1 1/2" Dia. Heavy Pipe, etc. in three nos. Complete.</p>		1	Set			
4	<p>Supply and Installation of "ANGULAR MOMENTUM" gadget equipment of size : 5' x 5' x 3' including fabrication, painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge and as details given below;</p> <p>a. Main frame of 5' dia GI pipe (B Class) & Structure Height : 3' ;</p> <p>b. 6208z Ball Bearing of Standard Make 2 Nos, 51118 Thrust Bearing of Standard Make ;</p>		1	Set			



	<p>c. (100 x100 x125) mm Square block fabricated of Standard Material; d. 6202 Bearing 42 mm dia, 30" length of M.S.Rod of Standard Guage 1 No ; e. Shaft Surround Support 3" dia. GI Pipe (B Class) 2.4 mm thick ; f. 12 mm thick 10" dia Round Plate 2 No , 1 1/4" x 1/4" M.S. angle of standard guage ; g. 6208 collar with thrust bearing of standard make ; h. 16 Gauge GI Sheet ; i. 3/4 " GI Pipe & 1" dia GI Pipe (B class) etc. Complete.</p>						
5	<p>Supply and Installation of "CYCLODIAL PATH" gadget equipment of size : 8' x 2 1/2' x 4' including fabrication, painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge and as details given below; a. Overall Size: 8' x 2 1/2' & Height: 4' b. Fibre Path 8' Long & 4 mm thick of standard make c. 4 Layer Fibre Mat of standard make d. 1 1/2" dia. GI Pipe (B class) of 2.5mm thick. e. 3/4" dia. GI Pipe (B class) of 2mm thick f. 6" Plastic Ball of standard make suitable for scientific demonstration g. 1" x 1/4" M .S. of standard guage Flat ; etc. Complete.</p>		1	Set			



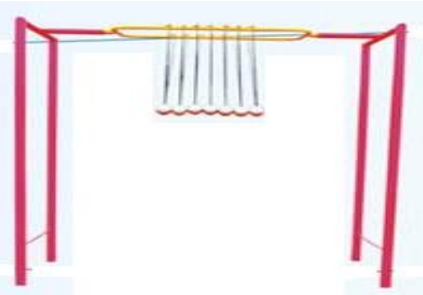
6	<p>Supply and Installation of "PLANCK'S LAW" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below;</p> <p>a. Overall Size: 5' dia , height 3',16 guage GI sheet 6 Nos of size 13" x 13"</p> <p>b. 12 mm square Rod, 1" dia. GI pipe (B Class) 2 mm thick, 9" MS round plate of 16 guage, 2" dia. GI pipe (B-Class) , 3 MS hollow ball of standard make, etc. Complete.</p>		1	Set				
7	<p>Supply and installation of "FLOATING BIRD" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 5' X 5' & Height 5'</p> <p>b. 1 1/2 dia. GI Pipe (B Class), 2.5 mm thickness Length 4.5 Feet,</p> <p>c. Metal Bird 16 gauge GI sheet, 3/4" dia. GI pipe (B-Class) , 10 mm MS round Rod of standard make, etc. Complete.</p>		1	Set				

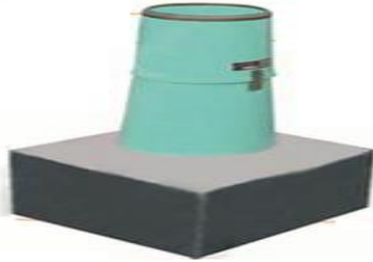

8	<p>Supply and installation of "GRAVITY BALL" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below;, a. Overall Size: 7'x 7' x 5' b. 12 mm M S Round rod, 1 1/4" dia. GI pipe, 2 mm thick, 1 1/2" dia. GI pipe (B Class) 2 mm thick, 1 1/4" MS angle of standard make etc. Complete.</p>		1	Set				
9	<p>Supply and installation of "BELL TOWER" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below, a. Overall Size: 5' x 3' & height: 7' , b. 4 mm iron rope of standard make, small hammer - 1 no of standard make, c. bronze bell of standard make, 2" brass pipe of standard make, 2" SS pipe of standard make, 2" Bronze pipe of standard make, 2" PVC pipe standard make, 2" MS pipe of standard make d. 2" aluminum pipe of standard make, round wood - 1 no as per design, e. 1 1/2" dia. GI pipe (B Class), 2 mm thick, 3" x 1/4" MS flat plate of 16 guage, FRP bell of standard make etc. Complete.</p>		1	Set				

10	<p>Supply and installation of "PIN HOLE CAMERA" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below;, a. Overall Size: 8' x 3' & height - 8 1/2' ; b. 2" dia. GI pipe (B class) ; c. 1" x 1/8" MS Flat ; d. 4" convex lens 1 no ; e. 14" x 14" smoking mirror 1 no, Fibre Umbrella 6' dia, FRP box for Mirror and lens of standard make ; f. 60" x 70" MS bright rod, 6204 bearing SKF or Similar etc. Complete.</p>		1	Set				
11	<p>Supply and installation of "PERSISTENCE OF VISION" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below;, a. Overall Size: 4' x 4' x 6' , b. 1" dia. GI pipe (B-Class) used for fabricating the main frame. Self lubricating ball bearings SKF or Similar used for free rotation of plate drawn with pictures. UCP 205 c. Pillow block bearing, 6206 Ball bearing. 16 gauge GI sheet, Long handle, MS shaft. 1/2" dia. GI pipe (B Class), Parrot printed in aluminum etching plate, Nylon bevel gears for smooth operation, etc. Complete.</p>		1	Set				

12	<p>Supply and installation of "GEAR BELT & CHAIN DRIVE" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below;, a. Overall Size: 5 1/2' x 1 1/2' & height 5' b. 1" dia. GI pipe (B class), 1 1/4" x 1/4" MS flat, two 1/4" MS flat, Spur gear train 1 set of standard make. Pulsar chain and sprocket, 12" & 3" Pulley 51A belt of standard make, SS weld Mesh, etc. Complete.</p>		1	Set				
13	<p>Supply and installation of "GEAR TRAIN" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation to site at site as per direction of Engineer-in-charge of sizes and as details given below;, a. Overall Size: 30" x 1' x height 4' b. 1" x 1" SS weld mesh size 30" x 2" c. 1 1/2" dia. GI pipe, 2.5 mm thick, 1" dia. GI pipe (B class) d. Gear Train drive 1 set, Plastic handle, 1" x 1/4" MS flat, SS weld Mesh of standard make etc. Complete.</p>		1	Set				


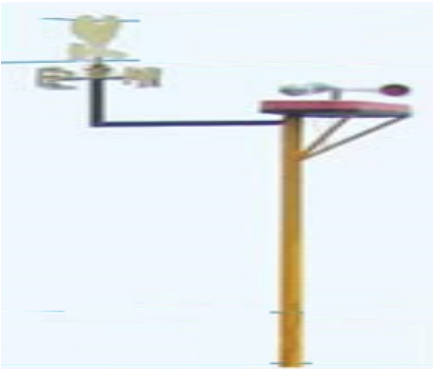
14	<p>Supply and installation of "SOLAR POWERED RADIO" gadget including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 2' x 2' & height 4'</p> <p>b. FRP box for radio to fix solar panel, FM radio has pen drive adapter, 2" dia. GI pipe (B-Class) etc. Complete.</p>		1	Set				
15	<p>Supply and installation of "PERIODIC TABLE" including fabrication, painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. 6' x 1' & height 4 1/2' ;</p> <p>b. 1" dia. GI pipe, 1 1/2" dia. GI pipe (B-Class), 2 mm thick, 1 1/4" x 1/4" MS angle, 1 1/4" x 1/4" MS flat, FRP Sheet 4mm thick 2 layer bonding, Plastic boxes with element sticker of standard make, 5 mm bright bar, 16 gauge GI sheet etc. Complete.</p>		1	Set				



16	<p>Supply and installation of "MAXIMA MINIMA THERMOMETER" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 6' dia. & height 8'</p> <p>b. Thermometer 1no</p> <p>c. FRP Box for Meter, Post 2" dia. GI (B-Class)</p> <p>d. 1 1/4 x 1/4 MS angle as per design of standard make , etc. Complete.</p>		1	Set				
17	<p>Supply and installation of "STATUE SPEAKS" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge and as details given below,</p> <p>a. Fibre reinforced polymer made statues of Four nos erected on a pedestal, which are interconnected with a leak proof conduit of 32 mm dia. The FRP thickness should be of two layers and wall thickness of 4 mm of standard make etc. Complete.</p>		1	Set				
18	<p>Supply and installation of "CONSERVATION OF ENERGY" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. 4' x 2.5' & Height: 6 Feet</p> <p>Top Frame 1 1/4" dia. GI Pipe with 2 mm thick, 1</p>		1	Set				



	1/2" dia. GI pipe, 2mm thick, Support leg: 2" dia. GI Pipe (B class), 3" S. Steel Ball, 4 mm plastic coated steel Rope of 2' of standard make etc. Complete.						
19	Supply and installation of " RAIN GAUGE " including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below, a. Overall Size: 1' dia & height : 3.5' Rain gauge jar with cover Rain gauge of standard make jar fixed in cement block of standard make etc. Complete.		1	Set			
20	Supply and installation of " HUMITIDY METER " including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below, a. Overall Size: 6' dia & height : 8' humidity meter of standard make 1 no b. FRP Box for Meter, Post 2" dia. GI pipe (B-Class) 1 1/4 x 1/4 MS angle etc. Complete.		1	Set			



21	<p>Supply and installation of "MASS & INERTIA" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 6' x 1' x Product Height : 4 1/2' , b. 1' dia , 12 mm thick MS Plate of standard make 1 No, c. 1 Feet dia 12 mm thick Acrylic Plate of standard make 1 No, d. 1' dia 12 mm thick Alluminium Plate 1 No e. 6204zz Ball Bearing SKF or Similar 3 No , f. 1 1/4" x 1/4" MS angle, g. 1" dia. GI Pipe (B class) etc. Complete.</p>		1	Set				
22	<p>Supply and installation of "NEWTON THIRD LAW" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Product Dia: 4' x & Height: 7.5' , b. Fibre Umbrella dia. 6' ; c. 6208z Ball Bearing SKF or Similar 1 No ; d. 51118 Thrust Bearing 1 No ; e. UCP 210 Bearing SKF or Similar 1 No ; f. 16 Gauge GI Sheet 30" dia ; g. 42 mm dia 30" length MS Rod 1 No ; h. Thrust Bearing collar as per design of standard make i. 12 mm thick 10" dia. Round Plate 2 No ; j. Shaft Surround Support 3" dia. GI dia. Pipe 2.4 mm thick, MS Shaft and collar for umbrella to rotate of standard make etc. Complete.</p>		1	Set				



23	<p>Supply and installation of "PLAY WITH MIRRORS" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. 6' dia. & height 8' 2"</p> <p>b. 2" dia. GI Pipe B class, FRP frame for mirror, Acrylic Mirror, FRP umbrella 6' dia, 1" dia GI pipe (B-Class) of standard make etc. Complete.</p>		1	Set				
24	<p>Supply and installation of "SUN DIAL" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 5' x 1' & height : 4'</p> <p>b. FRP Arch Box of standard make, 1 1/2" dia. GI pipe, 1" dia. GI pipe, 3/4" dia. GI pipe (B-Class), Time printed in aluminium Etching plate of standard make etc. Complete.</p>		1	Set				
25	<p>Supply and installation of "WIND SOCK" (3 SOCKS PROVIDED) including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 6' x 1' x Product Height : 25' 1 1/2"</p> <p>b. 1 1/2" dia. GI pipe (B-Class) 2.5 mm thick, 15" dia. MS round plate, 10" dia. MS round plate, 1 1/4" x 1/4" MS angle, 12 mm MS round rod WIND SOCK CLOTH , 2 mm square rod</p> <p>c. 6202Z Ball bearing SKF or Similar 1 No 1 1/4" dia. GI pipe (B-Class) 2mm thick etc. Complete.</p>		1	Set				


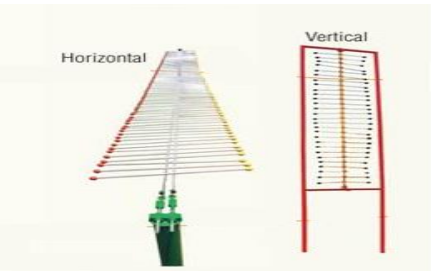
26	<p>Supply and installation of "WORLD TIME" (GLOBE TYPE) including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 3' dia. & height : 5 1/2'</p> <p>b. Globe fabricated by fibre 3mm thick, 2 layer bonding 1 1/2" dia. GI pipe, 16 gauge GI sheet, 1" dia. GI pipe , 1 1/4" dia. GI pipe 2 mm thick, 1/2" dia. GI pipe (B-Class), 6204 bearing SKF or Similar MS collar for Bearing, 5" MS dummy etc. Complete.</p>		1	Set				
27	<p>Supply and installation of "ANEMOMETER" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: Area: 7' x 2' & Height: 10 feet</p> <p>b. 16 guage GI sheet & 2.5" dia.</p> <p>c. 1 1/2" dia. GI pipe (B-Class) 2mm thick, Digital Anemometer of standard make, FRP cock, FRP News For direction finder of standard make, 1 1/4" dia. GI pipe 2 mm thick, 2" dia. Pipe GI Pipe (B-Class) 3.5mm thick, 1 1/4" x 1/4" MS angle, 3" x 1/4" MS flat, 2" x 1/4" MS flat, 1/2" dia. GI pipe, 1" dia. GI pipe (B-Class) , stainless steel box for anemometer, as per design of standard make etc. Complete.</p>		1	Set				

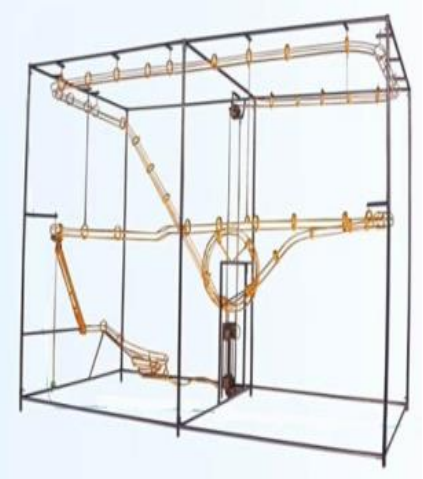
28	<p>Supply and installation of "AUTOMOBILE-WORKING MODEL" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge and as details given below,</p> <p>a. Overall Size: 15' * 10' * height :7'</p> <p>b. auto mobile engine, clutch , gear box, hydraulic brake, steering movement, wheel alignment, all of of standard make 1 ½" dia. GI pipe , 1" dia. GI pipe, 1/2" dia. GI pipe (B class)</p> <p>c. 1" x 1/8" MS flat , 1/2" dia. GI pipe (B-Class), Plastic /Fiber roof sheet 15' x 10' , etc. Complete.</p>		1	Set				
29	<p>Supply and installation of "PULLEY & PULLEY BLOCK" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 6' x 6' & Height:7'</p> <p>b. 5" MS Pulley</p> <p>c. 6202zz Ball Bearing SKF or Smilar 10 kg Weight - 3 No,</p> <p>d. 1' dia. & 2' height Circle Guard 3no,</p> <p>e. 10 mm MS Rod 1 1/2" dia. GI Pipe (B class) & 2 mm thick (A frame),</p> <p>f. 2" dia. GI Pipe 3.5mm thick, 1" dia. GI pipe (B-Class)</p> <p>g. 16 mm PP rope , etc. Complete.</p>		1	Set				


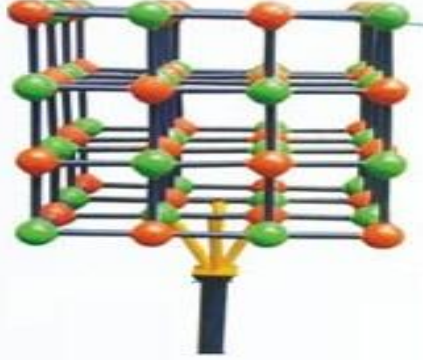
30	<p>Supply and installation of "VORTEX" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 3' x 3' & height 6 1/2',</p> <p>b. 1 1/2" dia. GI pipe , 3/4" dia. GI pipe (B-Class), 1 1/4 x 1/4 angle, 4 x 1/4 MS flat, 2 x 2 MS square tube, 1 x 1/4 MS flat, 12 mm thick Acrylic cylinder, 25 mm thick Acrylic plate, UCF 205 Bearing SKF or Similar, 6004 bearing SKF or Similar , etc. Complete.</p>		1	Set				
31	<p>Supply and installation of "MUSICAL TUBES" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 9' x 1' & height:8',</p> <p>b. 2" dia. GI pipe, 1 1/2" dia. GI pipe (B-Class) 2 mm thick, FRP Guitar</p> <p>c. 4 mm Iron Rope of standard make with length 8' or long, Small Hammer of standard make</p> <p>d. 50 mm OD seamless pipe of Standard make, 4 mm Plastic coated steel pipes of different sizes ranging between 2' - 6' as per design, etc. Complete.</p>		1	Set				



32	<p>Supply and installation of "VARIABLE PENDULUM" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 3' x 4' x 8' b. 1" dia. GI pipe (B-Class), 16 gauge GI sheet, 3" SS ball, Lathe pulley of standard make, 6202 bearing (SKF or similar make), etc. Complete.</p>		1	Set				
33	<p>Supply and installation of "REVOLVING PERISCOPE" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 4' x 1' & height: 8.5' b. 10.5" x 7.5" Glass mirror of standard make 2 no, c. 7.5" x 7.5" plain glass of standard make 1no, d. 10" dia & 1" thick wooden plate 1 no, e. 6208z ball bearing (SKF or similar make) 2 no, f. 51118 Thrust bearing additional collar with thrust bearing, 42 mm dia. shaft of standard make 12 mm thick 16" dia. round plate of standard make, 1 1/4" dia. GI pipe 2 mm thick, 1" x 1/4" MS flat, 1" x 1/8" MS flat, 1 1/2" dia. GI pipe (B-Class) 2mm thick, FRP umbrella & FRP periscope model box of standard make, 3" dia. GI pipe (B Class) thickness 2.5 mm , etc. Complete.</p>		1	Set				



34	<p>Supply and installation of "LOOP THE LOOP" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 4' x 14'</p> <p>b. 12 mm MS Round Rod Heavy duty of standard make</p> <p>c. 16 Gauge GI Sheet</p> <p>d. 2" dia. GI Pipe (B Class) 3mm thick</p> <p>e. 1 ¼" dia. GI Pipe (B Class) 2 mm thick</p> <p>f. 1" dia. GI Pipe (B class) 2 mm Thick</p> <p>g. 6" Wooden Ball of standard make</p> <p>h. 3" x 1/4" MS flat of standard make for ladder for easy climbing etc. Complete.</p>		1	Set				
35	<p>Supply and installation of "DNA MODEL" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 28" dia & height : 8'</p> <p>b. 1 ½" dia. GI pipe (B Class) 2mm thick,</p> <p>c. 10 mm Rod</p> <p>d. 2.5" dummy of standard make</p> <p>e. 3" dummy of standard make</p> <p>f. Standard DNA Naming Codes as follows - a10 no, t 10 no, g 10no, c 10 no, p 32, s 32 no etc. Complete.</p>		1	Set				


36	<p>Supply and installation of "SYMPATHETIC SWING" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 13' x 9' & height :11'</p> <p>b. 2" dia. GI pipe 3mm thick, 2 1/2" dia. GI pipe (B class)</p> <p>c. 2" x 1" MS square tube fabricated as per design, 58" x 70" Seamless pipe, 4" x 1/4" MS flat of standard make</p> <p>d. 9 mm SS chain of standard make, S hook Stainless steel.</p> <p>e. FRP swing seat 4 layer thickness of 6mm, it has near metal frame bonding, 5/8 TVS nut With GI coated U clamp of standard make; etc. Complete.</p>		1	Set				
37	<p>Supply and installation of "WAVE MOTION" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 3' x 3' & height :23'</p> <p>b. 1 1/2" dia. GI pipe (B class) 2.5 mm thick, length 15'</p> <p>c. 1/2" UPVC pipe Prince Pipes or similar, 1/2" End cap, 3 mm Steel wire, UCP 205 bearing (SKF or similar make), Bevel Gear set of standard make, 1 1/2" dia. GI pipe 2mm thick, 2" dia. GI pipe (B-Class), 3.5mm thick, 4 x 1/4 MS flat of standard make, 3/4" MS square rod, Rope adjustment setting , etc. Complete.</p>		1	Set				


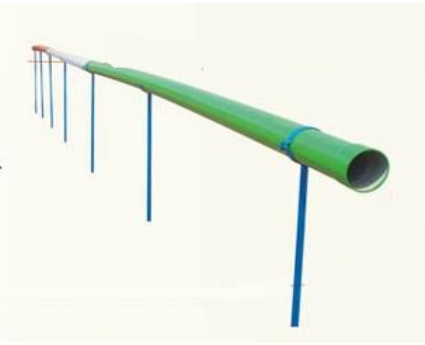
38	<p>Supply and installation of "LIFT YOURSELF" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 6' x 3' & height: 8' b. 2" dia. GI pipe, 1 1/2" dia. GI pipe, 1/2" dia. GI pipe (B class) c. 1 1/4" x 1/4" MS flat of standard make d. 5" pulley, e. 6202z ball bearing (SKF or similar make) 6 no f. 16 mm PP rope, 10mm MS rod g. FRP lift seat thickness 3mm, Closed coil spring for safe landing with suspension of standard make, etc. Complete.</p>		1	Set				
39	<p>Supply and installation of "CIRCUS OF ENERGY" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 20' x 10' & height:12' b. 10 mm MS round rod c. 3/4 x 1/4 MS flat of standard make e. 2" dia. GI pipe, 3/4" dia. GI pipe (B-Class) d. Skating wheel of standard make, magnetic coil of standard make 1 set e. LED bulb (SYSKA or similar) wire , 6206zz ball bearing (SKF or similar make) 6 no f. 1" x 1/4" MS angle. 2 x 1/4 MS angle, 4" rubber ball, Pulsar sprocket and chain, etc. Complete.</p>		1	Set				

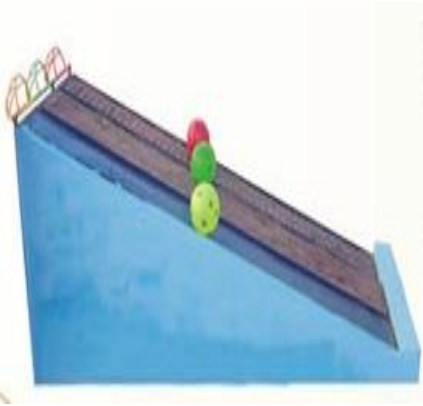
40	<p>Supply and installation of "PYTHAGORAS THEOREM" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 2 1/2' x 2 1/2' x 3 1/2'</p> <p>b. 2 1/2" dia. GI pipe (B-Class) 2.5 mm thick, 2" x 1/4" MS flat of standard make, plastic box with acrylic knob of standard make, FRP Pythagoras theorem concept model as per design of standard make; etc. Complete.</p>		1	Set				
41	<p>Supply and installation of "CRYSTAL STRUCTURE" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: (27" x 27") - 3nos & height :3'</p> <p>b. 3" hollow ball, 1/2" dia. GI pipe(B class) , 3" dia. GI pipe (B-Class), 9" dia. MS round plate of standard make,</p> <p>c. 3 Cubic Crystal Structures, Simple cubic structure of NaCl, Face centered cubic, Body centered cubic as per design, of standard make etc. Complete.</p>		1	Set				

42	<p>Supply and installation of "NIPKOV'S DISC" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 45" x 20" & height :5" ;</p> <p>b. 16 gauge GI sheet near belt drive system 1 1/4" dia. GI pipe (B Class) thickness 2 mm</p> <p>c. 1' pulley, 2" pulley, 1 1/4" x 1/4" angle, 6 mm thick 2' dia. aluminium plate, etching plate of standard make showing ABDUL KALAM's image; etc. Complete.</p>		1	Set				
43	<p>Supply and installation of "NEWTON'S COLOUR DISC" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 4' x 1 1/2' & height :3.5'</p> <p>b. chain drive with pre wheel set</p> <p>c. 1" dia. GI pipe (B-Class) (A frame model stand)</p> <p>d. 1 1/4" x 1/4" MS angle, 6mm thick Aluminum plate 2' dia. Cycle chain plastic handle of standard make, Colour sticker covered with poly carbonate sheet for long life, 5/8" MS rod, brake for stop wheel of standard make, 1" dia. GI pipe (B-Class), FRP cover, etc. Complete.</p>		1	Set				

44	<p>Supply and installation of "TARANG" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 3' x 6' x 9'</p> <p>b. 1 1/4" dia. GI pipe 2mm thick, 1" dia. GI pipe, 3/4" dia. GI pipe (B-Class)</p> <p>c. 50mm UPVC pipe (PRINCE or similar), 12 m rubber pad of standard make, 6202 bearing (SKF or similar), 12mm MS round rod with 2" thickness; etc. Complete.</p>		1	Set				
45	<p>Supply and installation of "STRAIGHT BAR PASSING PARABOLA" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes,</p> <p>a. Overall Size: 3' x 48" & height : 6'</p> <p>b. 1" x 1" MS square tube, 16 gauge GI sheet, 2 1/2" dia. GI pipe (B-Class) 2.5 mm thick, Bevel gear set, 6004 bearing (SKF or similar), UCF 205 Bearing SKF or similar), Bearing collar, 4" x 1/4" MS flat, 1/2" dia. GI pipe (B-Class), 3/4 MS square rod, 60 mm bright rod, FRP Parabola sheet of standard make; etc. Complete.</p>		1	Set				

46	<p>Supply and installation of "HOW FRICTION HELPS" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 3' dia b. 1 1/2" dia. GI pipe , 2mm thick, 1" dia. GI pipe (B-Class). c. 5/8" SS rod, Nickel Chrome Coat Weight blocks of standard make; etc. Complete.</p>		1	Set				
47	<p>Supply and installation of "BARTON'S PENDULUM" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 8' x 4' & height: 6.5' b. 1 1/2" dia. GI pipe(B Class) 2.5 mm thick c. 6 mm thick SS chain of standard make, 3" steel ball of standard make 6 no d. 1" dia. GI pipe (B-Class) 2 mm thick (8 & 4 feet long structure pipes as per design); etc. Complete.</p>		1	Set				
48	<p>Supply and installation of "ILLUSION" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes,</p> <p>a. Overall Size: 3' x 2' x 5' b. 1 1/4" dia. GI pipe 2mm thick, 1/2" dia. GI pipe (B-Class), 16 gauge GI sheet, 8mm thick 9" dia MS round plate, Etching plate stickers of standard make, etc Complete.</p>		1	Set				

49	<p>Supply and installation of "PERCEPTION OF DEPTH" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Fibre reinforced polymer made 3-D dolls are installed on metal frame made up of 32 mm Galvanised iron pipe of 12 gauge, etc. Complete.</p>		1	Set				
50	<p>Supply and installation of "ECHO TUBE" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: length 60' & height:80" ;</p> <p>b. 9" PVC pipe (Prince or similar) 3 length</p> <p>c. 9" PVC (Prince or similar) dummy of standard make</p> <p>d. 9" coupling of standard make 2 no</p> <p>e. 1 1/4" dia. GI pipe (B Class)</p> <p>f. 1 1/2" x 1/4" MS flat of standard make, etc. Complete.</p>		1	Set				

51	<p>Supply and installation of "Friction & Speed" including fabrication painted with good quality Polyurethane Colour with proper surface preparation, packing, loading, unloading, transportation and installation at site as per direction of Engineer-in-charge of sizes and as details given below,</p> <p>a. Overall Size: 8' x 3 1/2' & Height : 4'</p> <p>b. 6" Plastic Ball 3 No</p> <p>c. 16 Gauge GI Sheet Plain Path</p> <p>d. 1" x 1/4" MS Angle of standard make</p> <p>e. 1 1/2" dia. GI Pipe (B Class) 2mm thick</p> <p>f. 6 mm MS Round Rod 10 mm MS Round Rod of standard make,</p> <p>g. 3/4" dia. GI pipe (B-Class), Plastic/Fibre Roof of standard make, etc. Complete.</p>		1	Set				
52	<p>Mobile application (both android and IOS based) for detail audio visual guide for all the exhibits along with QR code based identification of exhibit, audio visual and textual content, hosting of the application, detailed information on user data.</p>							

Executive Engineer (W)
Mumbai Slum Improvement Board