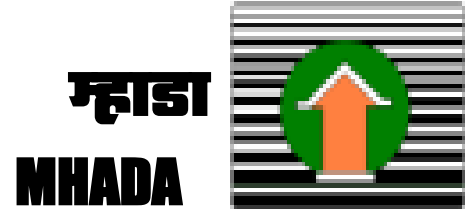


मुंबई झोपडपट्टी सुधार मंडळ, मुंबई  
(म्हाडाचा घटक)

**MUMBAI SLUM IMPROVEMENT  
BOARD, MUMBAI**  
(A MHADA UNIT)



**NOTICE FOR QUOTATION**

Quotation for the following works are invited by Executive Engineer (W) M.S.I.Board from Experienced agencies having Shop & Establishment Certificate & GST No. for obtaining the rates. The blank quotations forms for the same will be issued 02/07/2019 to 10/07/2019 up to 1:00 pm after submission of certified copies of shop & establishment certificate & GST No.. and sealed quotations will be received by this Office in Room no 537, 4<sup>th</sup> Floor, Griha Nirman Bhavan, Bandra (E), Mumbai-400051 on or before 10-07-2019 upto 3:00 pm for the work mentioned below.

**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)**

Estimated cost put to quotation Rs.

1. The quotation is sealed cover shall be received in this office as mentioned above and will be opened on same day, possible in presence of quotationers.
2. The quotationers shall quote the rates in permanent ink, quoting the rate per unit.
3. Acceptance of the quotation will rest with the Executive Engineer (W) M.S.I Board Mumbai who reserves the right to reject all or any of the quotation without assigning any reason thereof.
4. The rate shall be quoted inclusive of all taxes, transportation, supplying & installation of equipment at site of work.
5. The offer submitted by the quotation will be binding on him for the period of Six months from the date of quotations.
6. The name of the work for which the quotation is tendered shall be stated clearly on the envelop containing the quotation.
7. The quotation are invited for obtaining the rates without GST & with GST.
8. The rates includes all material including Transportation, loading-unloading & fixing/installation at site of work.
9. Agency should have experience of carrying out similar type of work.
11. Blank quotation documents will be available in the office of the Executive Engineer (W) M.S.I Board Mumbai.
12. Details of works and technical specification are available on MHADA's website i.e. <https://mhada.gov.in>

Issue to M/s.-----

**Executive Engineer (W)  
M.S.I. Board, Mumbai**

**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.	Item rate & Specification	Description	Rate		Unit	Amount
			In No.	In word		
1.	As per wording of Item	Supply & installation of " <b>FIRST ORDER LEVER</b> " gadget including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. 9' x 7' ; Height:1' ; b. 2 1/2" Dia. GI pipe 3.6 mm thick , 9' length , 20 kg Weight ; c. 1" Dia. Gi Pipe B class pipe for handle, Case Hardened Bush and Shaft of Standard Make, 1 1/2" Dia. Heavy Pipe, etc. Complete. Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.			Per No.	
2	As per wording of Item	Supply & installation of " <b>THIRD ORDER LEVER</b> " including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. 9' x 7' ; Height:1' b. 2 1/2" Dia. GI pipe, 3.6 mm thick, 9' length, 20 kg Weight c. 1" Dia. GI Pipe B class, Case Hardened Bush and Shaft of Standard Make, 1 1/2" Dia. Heavy Pipe, etc. Complete. Item shall cover comprehensive AMC for the period of Three years and as per direction of Engineer In charge.			Per No.	
3	As per wording of Item	Supply & installation of " <b>THIRD ORDER LEVER</b> " including fabrication, Painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. 9' x 7' ; Height:1' b. 2 1/2" Dia. GI pipe, 3.6 mm thick, 9' length, 20kg Weight c. 1" Dia. GI Pipe B class pipe, Case Hardened Bush and Shaft of Standard Make, 1 1/2" Dia. Heavy Pipe, etc. Complete. Item shall cover comprehensive AMC for the period of Three years and as per direction of Engineer In charge.			Per No.	
4	As per wording of Item	Supply & installation of " <b>ANGULAR MOMENTUM</b> " including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. 5' Dia ; Height : 3' ;  b. 6208z Ball Bearing 2 No, 51118 Thrust Bearing ;			Per No.	

		<p>c. (100 X 100 X125) mm Square block ;  d. 6202 Bearing, 42 mm Dia with 30" Length Ms Rod - 1 No ;  e. Shaft Surround Support 3" GI Pipe Thickness 2.4 mm ;  f. 12mm Thick 10" Dia Round Plate 2 No, 1 1/4" X 1/4" MS angle ;  g. 6208 collar with thrust bearing ;  h. 16 Gauge GI Sheet ;  i. 3/4" Dia. GI Pipe B class, 1" GI Pipe B class ;  etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>				
5	As per wording of Item	<p>Supply &amp; installation of "<b>CYCLOIDICAL PATH</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, Product Size:  a. 8' x 2 1/2' ; Height: 4'  b. Fibre Path 8' Long, Thickness 4 mm  c. 4 Layer Fibre Mat  d. 1 1/2" Dia. GI Pipe with Thickness 2.5mm  e. 3/4" Dia. GI Pipe with Thickness 2 mm  f. 6" Plastic Ball  g. 1" x 1/4" Ms Flat ; etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge..</p>			Per No.	
6	As per wording of Item	<p>Supply &amp; installation of "<b>PLANCK'S LAW</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,  a. 5' Dia , Height 3' , 16 Guage GI SHEET - 6 NOS.  b. 13" x 13"  c. 12MM SQUARE ROD for support, 1" Dia. GI pipe – 2mm thick, 9" MS round plate, 2" GI pipe B class, 3 MS hollow ball, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
7	As per wording of Item	<p>Supply &amp; installation of "<b>FLOATING BIRD</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,  a. 5' x 5' ; Height 5'  b. 1 1/2" Dia. GI Pipe with Thickness 2.5 mm, Length 4.5',  c. Metal Bird of 16 gauge GI sheet, 3/4" Dia. GI pipe B class, 10 mm MS round Rod , etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
8	As per wording of Item	<p>Supply &amp; installation of "<b>GRAVITY BALL</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,  a. l x b x h : 7'x 7' x 5'</p>			Per No.	

		<p>b. 12mm Dia. MS Round rod, 1 1/4" Dia. GI pipe with 2 mm thickness, 1 1/2" Dia. GI pipe with 2 mm thickness, 1 1/4" MS angle, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>				
9	As per wording of Item	<p>Supply &amp; installation of "<b>BELL TOWER</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 5' x 3' , height: 7' ,</p> <p>b. 4 mm Dia. iron rope, small hammer - 1 no,</p> <p>c. bronze bell, 2" Dia. brass pipe, 2" Dia. SS pipe, 2" Dia. Bronze pipe, 2" Dia. PVC pipe, 2" Dia. MS pipe, 2" Dia. aluminium pipe, round wood - 1 no (2" Dia.),</p> <p>d. 1 1/2" Dia. Gi pipe with 2mm thickness, 3" x1/4" MS flat, FRP bell , etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
10	As per wording of Item	<p>Supply &amp; installation of "<b>PIN HOLE CAMERA</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 8' x 3' height - 8 1/2' ;</p> <p>b. 2" Dia. GI pipe B class ;</p> <p>c. 1" x 1/8" MS Flat ;</p> <p>d. 4" Dia. convex lens 1 no ;</p> <p>e. 14" x 14" smoking mirror 1 no, Fibre Umbrella 6' dia, FRP box for Mirror and lens ;</p> <p>f. 60" x 70" MS bright rod, 6204 bearing, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
11	As per wording of Item	<p>Supply &amp; installation of "<b>PERSISTENCE OF VISION</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. l x b x h: 4' x 4' x 6', 1" GI dia Galvanised Iron pipe used for fabricating the main frame. Self lubricating ball bearings used for free rotation of plate drawn with pictures UCP 205</p> <p>b. Pillow block bearing, 6206 Ball bearing. 16 gauge GI sheet, Long handle, MS shaft. 1/2" Dia. GI pipe, Parrot printed in aluminium etching plate, Nylon bevel gears for smooth operation, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
12	As per wording of Item	<p>Supply &amp; installation of "<b>GEAR BELT &amp; CHAIN DRIVE</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 5 1/2' x 1 1/2' ; height: 5'</p>			Per No.	

		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. Pulsar chain and sprocket, 12" & 3" Pulley 51A belt, SS weld Mesh, etc. Complete. Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.			
13	As per wording of Item	Supply & installation of " <b>GEAR TRAIN</b> " including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. 30" x 1' x height : 4' b. 1" x 1" SS weld mesh, size 30" x 2" c. 1 1/2" Dia. gi pipe with thickness 2.5 mm, 1" Dia. GI pipe B class d. gear Train drive 1 set, Plastic handle, 1" x 1/4" MS flat, SS weld Mesh, etc. Complete. Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.			Per No.
14	As per wording of Item	Supply & installation of " <b>SOLAR POWERED RADIO</b> " gadget including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. 2' x 2' X height : 4' b. FRP box for radio to fix solar panel, fm radio has pen drive adapter, 2" Dia. GI pipe B class, etc. Complete. Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.			Per No.
15	As per wording of Item	Supply & installation of " <b>PERIODIC TABLE</b> " including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. 6' x 1' X height 4 1/2' ; b. 1" Dia. GI pipe B class, 1 1/2" Dia. Gi pipe 2 mm thick, 1 1/4" x 1/4" MS angle, 1 1/4" x 1/4" MS flat, FRP Sheet 4 mm thick 2 layer bonding, Plastic boxes with element sticker, 5 mm bright bar, 16 gauge GI sheet , etc. Complete. Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.			Per No.
16	As per wording of Item	Supply & installation of " <b>MAXIMA MINIMA THERMOMETER</b> " including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. dia 6' ; height : 8' b. Thermometer 1no c. FRP Box for Meter, Post 2" Dia. GI pipe B class d. 1 1/4" x 1/4" MS angle, etc. Complete. Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.			Per No.

18	As per wording of Item	Supply & installation of " <b>CONSERVATION OF ENERGY</b> " including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. 4' x 2.5' ; Height: 6' ; Top Frame 1 1/4" Dia. Gi Pipe with Thickness 2 mm, 1 1/2" Dia. Gi pipe 2mm thick, Support leg: 2" Dia. Gi Pipe B class pipe, 3" SS Steel Ball, 4mm plastic coated steel Rope, etc. Complete. Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.			Per No.	
19	As per wording of Item	Supply & installation of " <b>RAIN GAUGE</b> " including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. 1' dia height: 3.5' rain gauge jar with cover Rain gauge b. Jar fixed in cement block, etc. Complete. Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.			Per No.	
20	As per wording of Item	Supply & installation of " <b>HUMITIDY METER</b> " including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. Dia. 6' height : 8' humidity meter 1 no b. FRP Box for Meter, Post 2" GI pipe B class 1 1/4" x 1/4" MS angle, etc. Complete. Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.			Per No.	
21	As per wording of Item	Supply & installation of " <b>MASS &amp; INERTIA</b> " including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. 6' x 1' X Product Height : 4 1/2' , b. 1' Dia 12 mm Thickness MS Plate 1 No, c. 1' Dia 12 mm Thickness Acrylic Plate 1 No, d. 1' Dia 12 mm Thickness Alluminium Plate 1 No, e. 6204zz Ball Bearing 3 No , f. 1 1/4" x 1/4" MS angle, g. 1" Dia. GI Pipe B class, etc. Complete. Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.			Per No.	
22	As per wording of Item	Supply & installation of " <b>NEWTON THIRD LAW</b> " including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes, a. Product Dia: 4' b. Height: 7.5' , Fibre Umbrella Dia 6' ; c. 6208z Ball Bearing 1 No ; d. 51118 Thrust Bearing 1 No ; e. UCP 210 Bearing 1 No ;			Per No.	

		<p>f. 16 Gauge GI Sheet 30" Dia ;  g. 42mm Dia 30 Length MS Rod 1 No ;  h. Thrust Bearing collar  i. 12 mm Thick 10" Dia Round Plate 2 No ;  j. Shaft Surround Support 3" GI Pipe with Thickness 2.4 mm, MS Shaft and collar for umbrella to rotate, etc.  Complete.  Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>				
23	As per wording of Item	<p>Supply &amp; installation of "<b>PLAY WITH MIRRORS</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,  a. Dia 6' x height 8'  b. 2" Dia. GI Pipe B class, FRP frame for mirror, Acrylic Mirror, FRP Umbrella 6' dia, 1" GI pipe, etc. Complete.  Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge..</p>			Per No.	
24	As per wording of Item	<p>Supply &amp; installation of "<b>SUN DIAL</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,  a. 5' x 1' x Height : 4'  b. FRP Arch Box, 1 1/2" Dia. GI pipe, 1" Dia. GI pipe, 3/4" Dia. GI pipe, Time printed in aluminium Etching plate, etc. Complete.  Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge</p>			Per No.	
25	As per wording of Item	<p>Supply &amp; installation of "<b>WIND SOCK</b>" (3 SOCKS PROVIDED) including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,  a. 6' x 1' x Height : 25'  b. 1 1/2" Dia. GI PIPE with THICKNESS 2.5 mm, 15" dia MS round plate, 10" dia MS round plate, 1 1/4" x 1/4" MS angle, 12mm MS round rod WIND SOCK CLOTH, 2 mm square rod  c. 6202Z BALL BEARING 1 NO 1 1/4" Dia. GI PIPE THICKNESS 2mm, etc. Complete.  Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
26	As per wording of Item	<p>Supply &amp; installation of "<b>WORLD TIME</b>" (GLOBE TYPE) including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,  a. Dia 3' x Height : 5 1/2' Globe FABRICATED BY FIBRE THICKNESS 3mm, 2 LAYER BONDING 1 1/2" Dia. GI pipe, 16 gauge GI sheet, 1" Dia. GI pipe B class,</p>			Per No.	

		<p>1 1/4" Dia. GI pipe with 2 mm thickness, 1/2" Dia. GI pipe B class, 6204 bearing, MS collar for Bearing, 5" MS dummy, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>				
27	As per wording of Item	<p>Supply &amp; installation of "<b>ANEMOMETER</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. Area: 7' x 2' ; Height: 10'</p> <p>b. 16 GAUGE GI SHEET 2.5" DIA</p> <p>c. 1/2" Dia. GI PIPE with THICKNESS 2mm, Digital Anemometer, FRP Cock, FRP NEWS For direction finder, 1 1/4" Dia. GI pipe 2mm thick, 2" Dia. Pipe 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 B class, 1" Dia. GI pipe B class, stainless steel box for anemometer, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
28	As per wording of Item	<p>Supply &amp; installation of "<b>AUTOMOBILE-WORKING MODEL</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 15' x 10' x height :7'</p> <p>b. auto mobile engine, clutch, gear box, hydraulic brake, steering movement, wheel alignment, 1 1/2" Dia. Gi pipe, 1" Dia. GI pipe, 1/2" Dia. Gi pipe</p> <p>c. 1" x 1/8" ms flat, 1/2" GI pipe B class, Plastic / Fiber roof sheet 15' x 10' , etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
29	As per wording of Item	<p>Supply &amp; installation of "<b>PULLEY &amp; PULLEY BLOCK</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 6' x 6' x Height:7'</p> <p>b. 5" MS Pulley</p> <p>c. 6202zz Ball Bearing, 10kg Weight - 3 No,</p> <p>d. 1' dia x 2'height Circle Guard 3no,</p> <p>e. 10mm Ms Rod 1 1/2" Dia. Gi Pipe with Thickness 2mm (A frame),</p> <p>f. 2" Dia. Gi Pipe with 3.5mm thickness, 1" Dia. GI B class pipe</p> <p>g. 16mm PP Rope, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>	including		Per No.	
30	As per	Supply & installation of " <b>VORTEX</b> " including fabrication,			Per	



	wording of Item	<p>painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 3' x 3' X height 6 1/2',</p> <p>b. 1 1/2" Dia. GI pipe, 3/4" Dia. GI pipe, 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, 12mm thick Acrylic cylinder, 25mm thick Acrylic plate, UCF 205 Bearing, 6004 bearing, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			No.	
31	As per wording of Item	<p>Supply &amp; installation of "<b>MUSICAL TUBES</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 9' x 1' x height:8', 2" Dia. GI pipe B class, 1 1/2" Dia. GI pipe 2 mm thick, FRP guitar</p> <p>b. 4 mm iron rope, Small Hammer</p> <p>c. 50 mm OD seamless pipe, 4 mm Plastic coated steel pipe, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
32	As per wording of Item	<p>Supply &amp; installation of "<b>VARIABLE PENDULUM</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. l x b x h : 3' x 4' x 8'</p> <p>b. 1" Dia. GI pipe B class, 16 gauge GI sheet, 3" SS ball, Lathe pulley, 6202 bearing, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
33	As per wording of Item	<p>Supply &amp; installation of "<b>REVOLVING PERISCOPE</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 4' x 1' x height:8.5'</p> <p>b. 10.5" x 7.5" mirror 2 no,</p> <p>c. 7.5" x 7.5" plain glass 1no,</p> <p>d. 10" dia 1" thickness wooden plate 1 no,</p> <p>e. 6208z ball bearing 2 no,</p> <p>f. 51118 Thrust bearing additional collar with Thrust bearing, 42mm dia shaft 12mm thick 16" dia round plate, 1 1/4" Dia. Gi pipe 2mm thick, 1" x 1/4" MS flat, 1" x 1/8" Ms flat, 1 1/2" Dia. GI pipe 2mm thick, FRP umbrella, FRP periscope model box, 3" Dia. Gi pipe with thickness 2.5mm, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
34	As per wording of	<p>Supply &amp; installation of "<b>LOOP THE LOOP</b>" including fabrication, painted with good quality Polyurethane Paint</p>			Per No.	

	Item	<p>with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 4' x 14'</p> <p>b. 12mm Ms Round Rod</p> <p>c. 16 Gauge GI Sheet</p> <p>d. 2" Dia. GI Pipe Thickness 3mm</p> <p>e. 1 ¼" Dia. GI Pipe with Thickness 2 mm</p> <p>f. 1" Dia. GI Pipe Thickness 2 mm Thickness</p> <p>g. 6" Dia. Wooden Ball</p> <p>h. 3" x 1/4" MS flat for ladder for easy climbing; etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>				
35	As per wording of Item	<p>Supply &amp; installation of "<b>DNA MODEL</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 28" dia x height : 8'</p> <p>b. 1 ½ gi pipe thickness 2mm,</p> <p>c. 10 mm rod</p> <p>d. 2.5" dummy</p> <p>e. 3" dummy</p> <p>f. a10 no, t 10 no, g 10no, c 10 no, p 32, s 32 no aluminium sticker, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
36	As per wording of Item	<p>Supply &amp; installation of "<b>SYMPATHETIC SWING</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 13' x 9' height : 11'</p> <p>b. 2 Dia. Gi pipe thickness 3mm, 2 1/2" Dia. Gi pipe B class</p> <p>c. 2" x 1" ms square tube, 58" x 70" Seamless pipe, 4" x 1/4" MS flat</p> <p>d. 9mm SS chain, S hook Stainless steel.</p> <p>e. FRP swing seat 4layer thickness 6mm it has near metal frame bonding, 5/8 TVS nut With GI coated U clamp; etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
37	As per wording of Item	<p>Supply &amp; installation of "<b>WAVE MOTION</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 3' x 3' x height : 23'</p> <p>b. 1 ½" Dia. GI pipe thickness 2.5 mm length 15 feet</p> <p>c. 1/2" UPVC pipe, 1/2" End cap, 3mm Steel wire, UCP 205 bearing, Bevel Gear set, 1 1/2" GI pipe 2mm thick, 2" GI pipe 3.5mm thick, 4 x 1/4 ms flat, 3/4" MS square rod, Rope adjustment setting, etc. Complete.</p>			Per No.	

		Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.				
38	As per wording of Item	<p>Supply &amp; installation of "<b>LIFT YOURSELF</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 6' x 3' x height : 8'  b. 2" Dia. GI pipe B class, 1 ½" GI pipe 1/2" GI pipe  c. 1 ¼" x 1/4" ms flat  d. 5" Pulley,  e. 6202z ball bearing 6 no  f. 16 mm PP rope, 10mm MS rod  g. FRP lift seat thickness 3mm, Closed coil spring for safe landing with suspension, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
39	As per wording of Item	<p>Supply &amp; installation of "<b>CIRCUS OF ENERGY</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 20' x 10' x height:12'  c. 10mm ms round rod  d. 3/4" x 1/4" ms flat  e. 2" Dia. GI pipe B class, 3/4" Dia. GI pipe  g. Skating wheel, magnetic coil 1 set  h. led bulb wire, 6206zz ball bearing 6 no  i. 1" x 1/4" ms angle. 2" x 1/4" ms angle, 4" rubber ball, Pulsar sprocket and chain, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
40	As per wording of Item	<p>Supply &amp; installation of "<b>PYTHAGORAS THEOREM</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 1 x b x h : 2 1/2' x 2 1/2' x 3 1/2'  b. 2 1/2" Dia. GI pipe 2.5 mm thick, 2" x 1/4" MS flat, plastic box with acrylic knob, FRP Pythagoras theorem concept model ; etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
41	As per wording of Item	<p>Supply &amp; installation of "<b>CRYSTAL STRUCTURE</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. (27" x 27") - 3nos X height :3'  b. 3" hollow ball, 1/2" Dia. GI pipe, 3" Dia. GI pipe, 9" dia MS round plate,  c. 3 Cubic crystal structures, Simple cubic structure of NaCl, Face centered cubic, Body centered cubic, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of</p>			Per No.	

		three years and as per direction of Engineer In charge.				
42	As per wording of Item	<p>Supply &amp; installation of "<b>NIPKOV'S DISC</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 45" x 20" x height :5" ;</p> <p>b. 16 gauge gi sheet near belt drive system 1 1/4" gi pipe thickness 2mm</p> <p>c. 1' pulley, 2" pulley, 1 1/4" X 1/4" angle, 6mm thick 2' dia aluminium plate, ABDUL KALAM etching plate ; etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
43	As per wording of Item	<p>Supply &amp; installation of "<b>NEWTON'S COLOUR DISC</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 4' x1 1/2' X 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 Aluminium plate 2' dia, Cycle chain plastic handle, Colour sticker covered with poly carbonate sheet for long life, 5/8" ms rod, brake for stop wheel, 1" Dia. GI pipe, FRP cover, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
44	As per wording of Item	<p>Supply &amp; installation of "<b>TARANG</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. l x b x h: 3' x 6' x 9'</p> <p>b. 1 1/4" Dia. GI pipe 2mm thick, 1" Dia. GI pipe B class, 3/4" Dia. GI pipe</p> <p>c. 50mm Dia. UPVC pipe, 12m rubber pad, 6202 bearing, 12mm MS round rod ; etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
45	As per wording of Item	<p>Supply &amp; installation of "<b>STRAIGHT BAR PASSING PARABOLA</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 3' x 48" X height : 6'</p> <p>b. 1" x 1" MS square tube, 16 gauge GI sheet, 2 1/2" Dia. GI pipe 2.5 mm thick, Bevel gear set, 6004 bearing, UCF 205 Bearing, 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 ; etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	

46	As per wording of Item	<p>Supply &amp; installation of "<b>HOW FRICTION HELPS</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. dia 3'</p> <p>b. 1 1/2" Dia. GI pipe 2mm thick, 1" Dia. GI pipe B class</p> <p>c. 5/8" SS rod, Nickel Chrome Coat Weight blocks ; etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.
47	As per wording of Item	<p>Supply &amp; installation of "<b>BARTON'S PENDULUM</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 8' x 4' X height : 6.5'</p> <p>b. 1 1/2" Dia. Gi pipe with thickness 2.5 mm,</p> <p>c. 6mm thick ss chain, 3" steel ball 6 no</p> <p>d. 1" GI pipe with thickness 2 mm; etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			900 Sec.
48	As per wording of Item	<p>Supply &amp; installation of "<b>ILLUSION</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 3' x 2' x 5'</p> <p>b. 1 1/4" GI pipe 2 mm thick, 1/2" Dia. GI pipe B class, 16 gauge GI sheet, 8 mm thick 9" dia MS round plate, Etching plate stickers, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.
49	As per wording of Item	<p>Supply &amp; installation of "<b>PERCEPTION OF DEPTH</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. Fibre Reinforced Polymer made 3-D dolls are installed on metal frame made up of 32 mm Galvanised iron pipe, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.
50	As per wording of Item	<p>Supply &amp; installation of "<b>ECHO TUBE</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. length 60' x height: 80" ;</p> <p>b. 9" PVC pipe 3 length</p> <p>c. 9" PVC dummy</p>			Per No.

		<p>d. 9" coupling 2 no</p> <p>e. 1 1/4" GI pipe</p> <p>f. 1 1/2" x 1/4" MS flat, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>				
51	As per wording of Item	<p>Supply &amp; installation of "<b>Friction &amp; Speed</b>" including fabrication, painted with good quality Polyurethane Paint with proper surface preparation, packing, loading, unloading, transportation and installation at Site of sizes,</p> <p>a. 8' x 3 1/2' x Product 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</p> <p>e. 1 1/2" Dia. GI Pipe with Thickness 2mm</p> <p>f. 6mm Ms Round Rod 10 mm MS Round Rod,</p> <p>g. 3/4" Dia. GI pipe B class, Plastic/ Fibre Roof, etc. Complete.</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	
52	As per wording of Item	<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 and Comprehensive Annual maintenance contract for 3 years</p> <p>Item shall cover comprehensive AMC for the period of three years and as per direction of Engineer In charge.</p>			Per No.	

We hereby Quote the rate.

Agency -----

**Executive Engineer (W)**  
**M.S.I. Board, Mumbai**

