










ESTIMATED BOQ FOR BROUGHT OUT FURNITURE FOR FURNISHING WORKS OF CIRCLE OFFICE AT SIX MILE, GUWAHATI, ASSAM						
SL NO:	DESCRIPTION	QTY	UNIT	RATE	AMOUNT	IMAGE
G	BOUGHT OUT FURNITURE					
1	SOFAS					
1	<p>Providing and supplying Sofas of approved make and colour. Sofas shall have mild steel chrome plated legs finished with leatherite. i) Seat foam : The seat is made of PU foam with density 32+/-2 kg/cu.mtr. having an additional top layer f PU foam with density 28+/-2 Kg/cu.cm. Seat is upholstered with leatherette.</p> <p>ii) Back foam : The back foam in made of PU with density 28+/-2 kg/cu.mtr. with two additional top layer of supersoft foam of density 23+/-2 kg/cu.mtr, upholstered with leatherette.</p> <p>iii) Understructure :Understructure is made up of 1.2+/-0.1 cm thick hot pressed plywood measured as per QA method. Dia 4 mm zigzag spring assembly is mounted in understructure for support and additional cushioning purpose.</p> <p>iv) Leg Assembly : It is a welded assembly made in Stainless steel (Grade SS202) tube & plate.</p>					 <p>Colour of Fabric as per Architect's Design</p>
a	Two seater Leatherette Sofa in black colour	9	NOS.			
2	<p>a) SIDE FRAME ASSEMBLY: The side frame assembly is fitted to the two ends of the connecting beam assembly to form the leg-cum-armrest assembly. It is made of a MS. E.R.W. tube dia. 3.81cm. (1 1/2") x 14 BG. thk. and black powder coated. The ends are fitted with ABS moulded end caps.</p> <p>b) TIE MEMBER: It is the connecting beam assy. which holds the two side frames to each other. 2 nos. tie members are used to connect the side frames. The tie-member is made of MS. E.R.W. tube dia.3.81cm. (1 1/2") x 14 BG. thk. and black powder coated. The seat/back assemblies are mounted on one of the tie-member which has 5cm x 5.5cm long x 0.5cm. thk MS. Std. angles welded to mount the seat and back.</p> <p>c) SEATREST ASSEMBLY: The seat rest assembly consists of a fabricated inner-frame assembly insitu-moulded with Polyurethane foam having density = 45 +/- 2 Kg./cm3. The hardness of the P.U. foam = 23 - 27 Kgs. on Hampden m/c. for 25% compression of the foam. The complete moulded seat rest assembly is covered with a replaceable fabric upholstery cover.</p> <p>SEAT SIZE: 52.0cm. (W) X 50.0cm. (D) X 6.0cm. (T)</p> <p>d) BACKREST ASSEMBLY: The backrest assembly is flexing type and consists of a fabricated inner-frame assembly insitu-moulded with Polyurethane foam having density = 45 +/- 2 Kg./cm3. The hardness of the P.U. foam = 16 - 20 Kgs. on Hampden m/c. for 25% compression of the foam. The complete moulded backrest assembly is covered with a replaceable fabric upholstery cover.</p> <p>BACK SIZE: 52.0cm. (W) X 59.0cm. (H) X 6.0cm. (T)</p> <p>e) ADJ. GLIDES: The adj. glide is injection moulded in black Nylon & fitted to the front end of side frame assembly along with ABS moulded adj. Glide base to take care or unlevelled floor surface.</p>					 <p>Colour of Fabric as per Architect's Design</p>
b	Two seater Tadem Sofa with Cushioned seat and back in chrome finish	3	NOS.			
2	CHAIRS					
i	<p>a) Seat Assembly : The cushioned seat should be made up of moulded plastic outer & inner. Plastic inner is upholstered with leatherette and moulded High Resilience (HR) Polyurethane foam of density 45+/-2 Kg/m3 and hardness load 16+/- kgf as per IS:7888 for 25% compression.</p> <p>Seat size : 47.0 cm(W) x 48.0 cm (D)</p> <p>b) Back Assembly : The cushioned back is made of PU foam with insitu moulded MS ERW round tube of size 1.9+/-0.03cm x 0.16+/-0.0128cm. It is upholstered with leatherette.</p> <p>High Back size : 47.7 cm (W) x 76.4 cm (D)</p>					
	<p>c) Armrests : The armrest top should be moulded from polyurethane (PU) and mounted on to a drop lift adjustable type tubular armrest support made of dia 3.81 +/-0.03 cm x 0.2 +/- 0.01 cm thick MS ERW tube having chrome plated finish. The armrest should be height adjustable up to 6.5 +/- 0.5 cm in 5 steps.</p> <p>d) Mechanism : It should have active bio synchro mechanism with adjustable tilting designed with the following features: 360 degree revolving type. Front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort. Tilt tension adjustment should be able to operate on seating position with 5 position tilt limiter. The mechanism housing should be made up of HPDC Aluminium black powder coated.</p> <p>e) Seat depth adjustment : The seat depth adjustment should be integrated in the seat through a sliding mechanism. Seat depth adjustment range is of 6.0+/-0.5 cm.</p>					

	<p>f) Adjustable Back support : Back frame should be connected to the Up/Dn mechanism housed in plastic T spine. It should be adjusted in the range of 7.42+/-0.5 cm for the comfortable back support to suit individual need.</p> <p>g) Pneumatic ht. adjustment : The pneumatic ht. adjustment should have an adjustment stroke of 10.0+/-0.3 cm.</p> <p>h) Pedestal Assembly : The pedestal should be of high pressure die cast polished aluminium and fitted with 5 nos. twin wheel castors. The pedestal should be 65.0+/-0.5 cm pitch centre dia (75.0 +/- 1.0 cm with castors).</p> <p>i) Twin wheel Castors : 5 nos. twin wheel castors to be provided and are to be injection moulded in plastic having 6.0 +/- 0.1 cm wheel diameter and assembled to pedestal.</p> <p>j) Overall Size : Width (W) : 76.1 cm Depth (D) : 76.1 cm</p>					
(a)	DGM's CHAIR					
	Revolving High Back chair with Leatherette upholstery, Active Bio-Synchro, Die cast polished Aluminum Pedestal, Adj Arms, 5 Position Tilt Limiter, Back Ht Adj, Seat Slide Mech as per detailed specification and model/shade approval of the consultant	1	Nos			
ii	<p>i). Seat / Back Assembly : The seat is made up of 1.2+/-0.1 cm thk. hot pressed plywood measured as per QA method. The back is made up of injection moulded gall filled nylon & upholstered using net fabric with high tenacity yarn.</p> <p>-Seat Size (Larger Seat Depth) (PULSAL, PULSTL): 47.0 cm (W) x 51.5 cm (D)</p> <p>-Seat Size (Standard Seat Depth) (PULSAX, PULSTX): 47.0 cm (W) x 49.5 cm (D)</p> <p>- Back Size : 45.0 cm (W) x 65.3 cm (H)</p> <p>ii) High resilience (HR) Polyurethane Foam : The HR polyurethane foam is moulded with density = 55+/-2 kg/m³ and hardness 16+/-2 kgf as per IS:7888 for 25% compression.</p> <p>iii) Armrests (Adjustable)(PULSAX, PULSAL): The armrests have an up-down adjustment of 8.5+/-0.5 cm which is provided in armrest structure. Armrest Top has an integrated layer of Thermo-static Elastomer (TPE).</p>					
	<p>iv) Armrests)Fixed)(PULSTX, PULSTL): The armrests is made of plastic injection moulded nylon with textured top.</p> <p>v) Lumbar support assembly : The Lumbar support consists of polypropylene pad with moulded polyurethane foam & covered with polyester fabric. The height of lumbar pad can be adjusted through two projecting knobs provided on the rear of the pad. Lumbar pad has an adjustment of 8.0 +/-0.5 cm in height.</p> <p>vi) Front Pivot Synchro Mechanism : The adjustable tilting mechanism is designed with the following features.</p> <ul style="list-style-type: none"> - 3600 revolving type. - Single point control. - Front-pivot for tilt with feet resting on ground ensuring more comfort. - Tilt tension adjustment. - 4 position locking with anti-shock feature. - Seat/back tilting ratio of 1:2. 					
	<p>vii) Neckrest (PULSNR): The Neckrest assembly consist of polypropylene pad with moulded polyurethane foam & covered with polyester fabric. Neckrest is fixed to Back Assembly through Neckrest connector. Neckrest assembly has height adjustment of 4.2+/-0.5 cm and rotation adjustment of overall 760+/-20. The complete neckrest assembly is retro fot to the mail chair.</p> <p>viii) Pneumatic Height Adjustment : The pneumatic height adjustment has an adjustment stroke of 10.0+/-0.3 cm.</p> <p>ix) Pedestal assembly : The pedestal is injection moulded in black 30% galss-filled Nylon and fitted with 5 nos. twin wheel castors. The pedestal pitch-center dia is dia66.1+/-0.5 cm. (76.1+/-1.0 cm with castors)</p> <p>x) Twin Wheel Castors : The twin wheel castors are injection moulded in black Nylon.</p>					
(a)	AGM's CHAIR					
	High back with headrest Mesh Back, Knee tilt mechanism Mechanism, Adjustable Arms	3	Nos			
iii	<p>Chair should have pneumatic seat height adjustment facility. Height of the chair should be atleast 110cm. Depth and width of the chair should be at least 76cm. Seat height should be at least 54cm. Back size-47.5cmWx69.5cmH. The seat and back should be made up of 1.2±0.1 cm thick hot pressed plywood upholstered with fabric upholstery cover and moulded polyurethane foam .The back Foam should be designed with countered lumbar support for extra comfort. The High resilience polyurethane Foam should be moulded with density=45±2kg/m³ and hardness load 16±2 kgf. The armrest should be injection moulded from black Co polymer polprylene. It should have centre tilt mechanism with tilt tension adjustment, upright position locking, 360 degree revolving and seat back tilting ratio should be 1:3.The pedestal should be injection moulded in black 33% glass filled Nylon-66. The pedestal should also have 5 nos twin wheel castor.</p>					
(a)	DM's/ Section Incharge's/ Doctor's CHAIR					

	Green-guard certified High back Revolving chair with Centre tilt synchro, Nylon Pedestal, PP Fixed Arms, Nylon Pedestal	21	Nos			
iv	<p>1. SEAT/BACK ASSEMBLY : The seat & back is made up of 1.2 ± 0.1 cm thk. hot pressed plywood measured as per QA method described in OCP-QLTA-PL14-18 ; upholstered with synthetic leather over moulded High Resilience Polyurethane foam.</p> <p>* MID BACK SIZE: 51.6 cm. (W) x 65.7 cm. (H)</p> <p>* SEAT SIZE : 49.0 cm. (W) x 51.4 cm. (D)</p> <p>2. HIGH RESILIENCE (HR) POLYURETHANE FOAM : The HR polyurethane foam is moulded with density =55+/-2 kg/m³ and hardness 16 ± 2 kgf as per IS:7888 for 25% compression.</p> <p>3. ARMRESTS : The adjustable armrest is designed with the following features :</p> <ul style="list-style-type: none"> • Up-Down adjustment– 8 steps (8.0±0.5cm range) • Height adjustable armrest structure which is chrome plated & fitted with an armrest top. • Fixed Armrest Top is PU moulded over metal insert. 					
	<p>4. (A) FRONT PIVOT SYNCHRO MECHANISM: The adjustable tilting mechanism is designed with the following features.</p> <ul style="list-style-type: none"> • 360° revolving type. • Single point control. • Front-pivot for tilt with feet resting on ground ensuring more comfort. • Tilt tension adjustment. • 4-position locking with anti-shock feature. • Seat/back tilting ratio of 1:2. <p>(B) BACK HEIGHT ADJUSTABILITY : Back can be adjusted in 5 positions by manually. Stroke of height adjustable spine is 7 cm. Back height adjustability is applicable for for High back and Mid back chair.</p> <p>5. PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 10.0 ± 0.3 cm.</p>					
	<p>6. PEDESTAL ASSEMBLY WITH CASTORS : The pedestal is High Pressure Die cast polished Aluminium and fitted with 5 nos. twin wheel castors. The pedestal is 65.0 ± 0.5cm. pitch-center dia.(75.0 ± 1.0cm. With castors.)</p> <p>7. TWIN WHEEL CASTOR : The twin wheel castors are injection moulded in black PP.</p> <p>8. TUBULAR VISITOR FRAME (Visitor Chair) : The tubular frame is powder coated (DFT 40-60 microns) cantilever structure & made of Dia.Ø 2.54 ±0.03cm. x 0.2 ±0.016cm.thk. M.S. E.R.W. Tube with a connecting M.S. Spine welded to it. Back spine is fitted to the frame assembly.</p> <p>9. OPTION OF SLIDING SEAT MECHANISM : Seat can be slide horizontally as per user convenience. Stroke of seat slide is 5 cm. This option is available for revolving pedestal type of chair.</p>					
(b)	DGM's Visitor's , Video Conference (General) & Conference (General) Chair					
	Medium back, leatherette chair with multiple recline lock and kneetilt mechanism, with chrome plated metal base & chrome plated fixed arms	63	NOS			
iv	<p>1. Seat/Back Assembly: The seat is made up of 1.2 cm. thick hot pressed plywood upholstered with fabric and moulded Polyurethane Foam. The back is made up 1.2 cm. thick hot pressed plywood upholstered with replaceable fabric upholstery covers and moulded polyurethane foam. The back ply and foam is designed with contoured lumber support for comfortable seating posture. BACK SIZE: 41 cm.(W) X 46.0cm.(H), SEAT SIZE: 43.0cm.(W) X 41.0cm.(D)</p> <p>2. Polyurethane Foam: The polyurethane foam for seat and back is moulded with density = 45 +/-2 kg/m3 and Hardness = 20 +/- 2.</p> <p>3. Armrest : The armrest top is made of moulded polyurethane (P.U)</p> <p>4. Permanent contact mechanism</p> <ul style="list-style-type: none"> • 360° revolving type. • maximum 14 degree back tilt <p>5. Pneumatic Height Adjustment: The pneumatic height adjustment has an adjustment of 9.0cm.</p> <p>6. Pedestal Assembly: The pedestal is fabricated from steel,</p> <p>7. TWIN WHEEL CASTORS: The twin wheel castors are injection moulded in black Nylon.</p>					
(a)	Officer's/ Assistant's/ Discussion room's/ Reception's etc. CHAIR					
	Medium back revolving chair Perm Cont Mech Upright Position locking, designer triangular fixed Arms, Powder coated Pedestal	44	Nos			

v	<p>1. SEAT/BACK ASSEMBLY: The seat is made up of 1.2 cm. thick hot pressed plywood upholstered with fabric and moulded Polyurethane Foam. The back is made up 1.2 cm. thick hot pressed plywood upholstered with replaceable fabric upholstery covers and moulded polyurethane foam. The back ply and foam is designed with contoured lumber support for comfortable seating posture.</p> <p>BACK SIZE: 39.0cm.(W) X 38.cm.(H), SEAT SIZE: 45.0cm.(W) X 42.0cm.(D)</p> <p>2. POLYURETHANE FOAM: The polyurethane foam for seat and back is moulded with density = 45±2 kg/m³ and Hardness = 20±2.</p> <p>5. LEG FRAME ASSEMBLY: tubular frame made up of MS E.R.W. tube and balck powder coated</p>					 <p>Colour of Fabric as per Architect's Design</p>
(a)	General Visitor's Chair					
	Visitor chair with cushioned seat with tilting mechanism, fixed arms with MS base	51	Nos			
vi	<p>The seat is made up of 1.2±0.1cm thick hot pressed plywood and upholstered with fabric or synthetic leather and moulded Polyurethane foam.the back is made up 1.2±0.1cm thick hot pressed plywood upholstered with replaceable fabric or synthetic leather upholstery covers and mouldedp polyurethane foam.The back ply and foam is designed with contoured lumber support for comfortable seating posture.Back size:48cm(W) x 64.5 cm(H),seat size : 51cm(W) x 48cm(D).The high resilience polyurethane foam for seat and back is moulded with density 45±2kg/m³ and hardness load 16±2 kgf as per IS:7888 for 25% compression.The armrest top is made of moulded polyurethane and mounted on to a drop lift height adjustable type M.S.</p>					
	<p>Tubular armrest support chrome plated.The armrest height is adjustable upto 6.5±0.5cm. In 5 steps & also has swivel adjustment of 22°±2° on both sides.The mechanism is knee-tilt synchro mechanism with following features:360° revolving type,single point control,front pivot for tilt with feet resting on ground ensuring more comfort,tilt tension adjustment,4 position locking with anti-shock feature,seat/back tilting ratio of 1:2 and seat depth adjustment of 6.0±0.5cm can be locked in 6 positions.The backrest consists of a sliding up down mechanism,which can be adjusted in the range of 7.5±0.5cm and can be locked in 4 positions for correct position of lumber support.The pneumatic height adjustment has an adjustment of 9.0±0.3cm.The pedestal is fabricated from 0.2±0.02cm thick high resilience sheet(IS:DD 1079/HR skin pass),chrome plated and assembled with injection moulded black polypropylene hub cap and 5 nos. Twin wheel castors.The pedestal is 66.0±0.05cm.Pitch centerdia (76.0±1.0cm with castors).The twin wheel castors are injection moulded in black nylon.</p>					 <p>Colour of Fabric as per Architect's Design</p>
(a)	Conference & Video Conference Chair (Speakers)					
	Mid Back Revolving chair with KTS Mech 4 Position Locking, Soft touch PU Arms, Chrome-Plated arms & Pedestal, Adj Backrest,	6	NOS			 <p>Colour of Fabric as per Architect's Design</p>
	GRAND TOTAL					
B	TOTAL OF BROUGHT OUT ITEMS					