

CONSTRUCTION OF BIOTECHNOLOGY AND CENTRE FOR SUSTAINABILITY BUILDING (GROUND + 6 FLOORS) AT IIT MADRAS

Hollow Metal doors non-fire rated - HARDWARE

Annexure - 1

S.No	BOQ No.	Description	Set per door	DORMA MAKE	GEZE MAKE
		General doors - Painted			
1	4.2.1	Steel Door Double Leaf door of size : FD 1770X2100mm with vision panel with hardware set # 12	6each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS	/ GEZE Arrone, Dead lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003. Art No:8014026
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35) Art no:8245212
			1each	Dorma - Escutheions ZS 6612 for Europrofile cylinder SSS / 8012109 -	GEZE Arrone, 52mm dia with 38mm fixing centers
			2pair	Dorma - Pull handle D type TGD-D300, b/b 22dia, in SSS 304	/ GEZE Arrone, D-Shape Pull Handle,supplied with two 8mm back to back bolts. Material: Stainless Steel Finish:Satin Size:22mm dia x 300mm Art No;- 8013133
			2each	Dorma - Door closer TS 89 EN 2-6 with Std. arm	/ GEZE Overhead door closer GEZE TS 4000 for mounting on smoke and fire-proof doors, size 1-6 as per EN 1154 A, closing force adjustable at front with size 1-6, closing speed and backcheck adjustable at front, with visual size indicator
			2each	Dorma - Lever action flush bolt 3101-1, L=300mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 305mm Material: Stainless steel Finish: Satin stainless steel Art No: 8017041
			0each	Dorma - Lever action flush bolt 3101-2, L=600mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 605mm Material: Stainless steel Finish: Satin stainless steel Art No:8017046
			1each	Dorma - Dust Excluding socket 3124, 16dia hole, SSS	/ GEZE Arrone Dust proof socket - SSS
			2each	Dorma - Floor stop half dome 3108, 45dia SSS	/ GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm.
2	4.2.2	Steel Door Double Leaf door of size : FD 1770X2100mm with vision panel with hardware set # 13	6each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS	/ GEZE Arrone, Dead lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35)
			1pair	Dorma - Escutheions ZS 6612 for Europrofile cylinder SSS /8012109 -	GEZE Arrone, 52mm dia with 38mm fixing centers supplied with stainless steel structure 8mm thick
			2pair	Dorma - Pull handle D type TGD-D300, b/b 22dia, in SSS 304	/ GEZE Arrone, D-Shape Pull Handle,supplied with two 8mm back to back bolts. Material: Stainless Steel Finish:Satin Size:22mm dia x 300mm Art No;- 8013133
			2each	Dorma - Door closer TS 89 EN 2-6 with Std. arm	/ GEZE Overhead door closer GEZE TS 4000 for mounting on smoke and fire-proof doors, size 1-6 as per EN 1154 A, closing force adjustable at front with size 1-6, closing speed and backcheck adjustable at front, with visual size indicator
			2each	Dorma - Lever action flush bolt 3101-1, L=300mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 305mm Material: Stainless steel Finish: Satin stainless steel Art No: 8017041
			0each	Dorma - Lever action flush bolt 3101-2, L=600mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 605mm Material: Stainless steel Finish: Satin stainless steel Art No:8017046
			1each	Dorma - Dust Excluding socket 3124, 16dia hole, SSS	/ GEZE Arrone Dust proof socket - SSS
			2each	Dorma - Floor stop half dome 3108, 45dia SSS	/ GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm.
3	4.2.3	Steel Door Double Leaf door of size : FD1 1500X2100mm with vision panel with hardware set # 12	6each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS	/ GEZE Arrone, Dead lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003. Art No:8014026

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S.No	BOQ No.	Description	Set per door	DORMA MAKE	GEZE MAKE
		General doors - Painted			
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35) Art no:8245212
			1each	Dorma - Escutheions ZS 6612 for Europrofile cylinder SSS / 8012109 -	GEZE Arrone, 52mm dia with 38mm fixing centers
			2pair	Dorma - Pull handle D type TGDI-D300, b/b 22dia, in SSS 304	/ GEZE Arrone, D-Shape Pull Handle,supplied with two 8mm back to back bolts. Material: Stainless Steel Finish:Satin Size:22mm dia x 300mm Art No;- 8013133
			2each	Dorma - Door closer TS 89 EN 2-6 with Std. arm	/ GEZE Overhead door closer GEZE TS 4000 for mounting on smoke and fire-proof doors, size 1-6 as per EN 1154 A, closing force adjustable at front with size 1-6, closing speed and backcheck adjustable at front, with visual size indicator
			2each	Dorma - Lever action flush bolt 3101-1, L=300mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 305mm Material: Stainless steel Finish: Satin stainless steel Art No: 8017041
			0each	Dorma - Lever action flush bolt 3101-2, L=600mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 605mm Material: Stainless steel Finish: Satin stainless steel Art No:8017046
			1each	Dorma - Dust Excluding socket 3124, 16dia hole, SSS	/GEZE Arrone Dust proof socket - SSS
			2each	Dorma - Floor stop half dome 3108, 45dia SSS	/ GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm.
4	4.2.4	Steel Door Double Leaf door of size : FD1 1500X2100mm with vision panel with hardware set # 13	6each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS	/ GEZE Arrone, Dead lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003. Art No:8014026
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35)
			1pair	Dorma - Escutheions ZS 6612 for Europrofile cylinder SSS /8012109 -	GEZE Arrone, 52mm dia with 38mm fixing centers supplied with stainless steel structure 8mm thick
			2pair	Dorma - Pull handle D type TGDI-D300, b/b 22dia, in SSS 304	/ GEZE Arrone, D-Shape Pull Handle,supplied with two 8mm back to back bolts. Material: Stainless Steel Finish:Satin Size:22mm dia x 300mm Art No;- 8013133
			2each	Dorma - Door closer TS 89 EN 2-6 with Std. arm	/ GEZE Overhead door closer GEZE TS 4000 for mounting on smoke and fire-proof doors, size 1-6 as per EN 1154 A, closing force adjustable at front with size 1-6, closing speed and backcheck adjustable at front, with visual size indicator
			2each	Dorma - Lever action flush bolt 3101-1, L=300mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 305mm Material: Stainless steel Finish: Satin stainless steel Art No: 8017041
			0each	Dorma - Lever action flush bolt 3101-2, L=600mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 605mm Material: Stainless steel Finish: Satin stainless steel Art No:8017046
			1each	Dorma - Dust Excluding socket 3124, 16dia hole, SSS	/GEZE Arrone Dust proof socket - SSS
			2each	Dorma - Floor stop half dome 3108, 45dia SSS	/ GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm.
5	4.2.5	Steel Door Un Equal Double Leaf door of size : FD1 & FD1a 1500X2100mm with vision panel with hardware set # 16	6each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS/	GEZE Arrone, Dead lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003. Art No:8014026
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35)
			1pair	Dorma - Escutheions ZS 6612 for Europrofile cylinder SSS /8012109 -	GEZE Arrone, 52mm dia with 38mm fixing centers supplied with stainless steel structure 8mm thick
			2pair	Dorma - Pull handle D type TGDI-D300, b/b 22dia, in SSS 304 /	/ GEZE Arrone, D-Shape Pull Handle,supplied with two 8mm back to back bolts. Material: Stainless Steel Finish:Satin Size:22mm dia x 300mm Art No;- 8013133

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		General doors - Painted			
			2each	Dorma - Door closer TS 72 EN 2-4 with Std. arm /	GEZE Overhead door closer TS 2000 NV with in nitely adjustable closing force size 2-4, EN 1154, closing force adjustment from side, closing speed and latching action.
			2each	Dorma - Lever action flush bolt 3101-1, L=300mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 305mm Material: Stainless steel Finish: Satin stainless steel Art No: 8017041
			0each	Dorma - Lever action flush bolt 3101-2, L=600mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 605mm Material: Stainless steel Finish: Satin stainless steel Art No:8017046
			1each	Dorma - Dust Excluding socket 3124, 16dia hole, SSS	/ GEZE Arrone Dust proof socket - SSS
			2each	Dorma - Floor stop half dome 3108, 45dia SSS /	GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm.
6	4.2.6	Steel Door Double Leaf door of size : FD1 1500X2100mm without vision panel with hardware set # 1A	6each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Mortice sash lock 271, 55mm BS/20mm sq. fornd, SSS /	/ GEZE Arrone, Sash lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003.
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35)
			1pair	Dorma - Lever Handle Pure 8100/6501 -S114, with roses & esc. SSS	/ GEZE Arrone, 19mm dia Lever handle sprung loaded on with rose. Type tested for conformity to all of the requirements of BS EN 1906 Grdee 3. Size: 140mm x 70mm projection from door surface. Art no:8011001 GEZE Arrone, 52mm dia with 38mm fixing centers supplied with stainless steel structure 8mm thick Art. No. :-8012109
			1each	Dorma - Door closer TS 72 EN 2-4 with Std. arm	/ GEZE Overhead door closer TS 2000 NV with in nitely adjustable closing force size 2-4, EN 1154, closing force adjustment from side, closing speed and latching action.
			2each	Dorma - Lever action flush bolt 3101-1, L=300mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 305mm Material: Stainless steel Finish: Satin stainless steel Art No: 8017041
			0each	Dorma - Lever action flush bolt 3101-2, L=600mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 605mm Material: Stainless steel Finish: Satin stainless steel Art No:8017046
			1each	Dorma - Dust Excluding socket 3124, 16dia hole, SSS	/ GEZE Arrone Dust proof socket - SSS
			1each	Dorma - Floor stop half dome 3108, 45dia SSS /	GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm.
7	4.2.7	Steel Door Single leaf of size :FD2 1200x2100mm with vision panel with hardware set # 11	3each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS	/ GEZE Arrone, Sash lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003. Art No:8014025
			1each	Dorma - EP Cyl. 3515, 5pin one side key & thumb turn Length=70mm, SNP	/ GEZE, Euro profile cylinder with thumb turn in 35 + 35mm,5pin type
			1each	Dorma - Pull handle D type TGD1-D300, b/b 22dia, in SSS 304	/ GEZE Arrone, D-Shape Pull Handle,supplied with two 8mm back to back bolts. Material: Stainless Steel Finish:Satin Size:22mm dia x 300mm Art No:- 8013133
			1each	Dorma - Door closer TS 72 EN 2-4 with Std. arm	/ GEZE Overhead door closer TS 2000 NV with in nitely adjustable closing force size 2-4, EN 1154, closing force adjustment from side, closing speed and latching action.
			1each	Dorma - Floor stop half dome 3108, 45dia SSS	/ GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm.
8	4.2.8	Steel Door Single leaf of size :FD2 1200x2100mm without vision panel with hardware set # 3A	3each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008

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Annexure - 1

S.No	BOQ No.	Description	Set per door	DORMA MAKE	GEZE MAKE
		General doors - Painted			
			1each	Mortice sash lock 271, 55mm BS/20mm sq. fornd, SSS /	/ GEZE Arrone, Sash lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003.
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35)
			1pair	Dorma - Lever Handle Pure 8100/6501 -S114, with roses & esc. SSS	/ GEZE Arrone, 19mm dia Lever handle sprung loaded on with rose. Type tested for conformity to all of the requirements of BS EN 1906 Grdee 3. Size: 140mm x 70mm projection from door surface. Art no:8011001 GEZE Arrone, 52mm dia with 38mm fixing centers supplied with stainless steel structure 8mm thick Art. No. -8012109
			1each	Dorma - Door closer TS 72 EN 2-4 with Std. arm	/ GEZE Overhead door closer TS 2000 NV with in nitely adjustable closing force size 2-4, EN 1154, closing force adjustment from side, closing speed and latching action.
9	4.2.9	Steel Door Single leaf of size :FD4 1000x2100mm with bottom louver with hardware set # 2	3each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS	/ GEZE Arrone, Dead lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003. Art No:8014026
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35) Art no:8245212
			1pair	Dorma - Escutheions ZS 6612 for Europrofile cylinder SSS / 8012109 -	GEZE Arrone, 52mm dia with 38mm fixing centers
			1each	Dorma - Pull handle D type TGDI-D3001, 22dia, SSS 304 (single side)	/ GEZE Arrone, D-Shape Pull Handle, supplied with two 8mm x 75mm countershunk bolt c/w Allen key & including two clear dia 19mm flexible nylon washer. Material:Stainless Steel Finish:Satn Size:22mm dia x 300mm Art No;-8013113
			1each	Dorma - Push Plate 1100, size 100 x 400 x 1.25mm, SS 304	/ GEZE Arrone, Push Plate Size :- 330 X 100mm Material :- SSS Art No. :-8017044
			1each	Dorma - Door closer TS 72 EN 2-4 with Std. arm	/ GEZE Overhead door closer TS 2000 NV with in nitely adjustable closing force size 2-4, EN 1154, closing force adjustment from side, closing speed and latching action.
			1each	Dorma - Kick Plate 1020, 5mm less door width x 300mm x 0.9mm, SS 304	/ GEZE Arrone, SS kick plate size 900mm x 300mm x 1.2mm thick Art No:- 8017038
			1each	Dorma - Floor stop half dome 3108, 45dia SSS	/ GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm. Finish: Satin stainless finish Art no:8017001
			1each	Dorma - Female Sign Plate 3020-F, size 125 x 125mm, SS 304	/ GEZE Arrone, GEZE 100mm x 150mm rectangular male sign Art No:- 8017033
10	4.2.10	Steel Door Single leaf of size :FD4 1000x2100mm with bottom louver with hardware set # 10	3each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS	/ GEZE Arrone, Dead lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003. Art No:8014026
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35)
			1pair	Dorma - Escutheions ZS 6612 for Europrofile cylinder SSS / 8012109 -	GEZE Arrone, 52mm dia with 38mm fixing centers supplied with stainless steel structure 8mm thick
			1each	Dorma - Pull handle D type TGDI-D3001, 22dia, SSS 304 (single side)	/ GEZE Arrone, D-Shape Pull Handle, supplied with two 8mm x 75mm countershunk bolt c/w Allen key & including two clear dia 19mm flexible nylon washer. Material:Stainless Steel Finish:Satn Size:22mm dia x 300mm Art No;-8013113
			1each	Dorma - Push Plate 1100, size 100 x 400 x 1.25mm, SS 304	/ GEZE Arrone, Push Plate Size :- 330 X 100mm Material :- SSS Art No. :-8017044
			1each	Dorma - Door closer TS 72 EN 2-4 with Std. arm /	GEZE Overhead door closer TS 2000 NV with in nitely adjustable closing force size 2-4, EN 1154, closing force adjustment from side, closing speed and latching action.

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S.No	BOQ No.	Description	Set per door	DORMA MAKE	GEZE MAKE
		General doors - Painted			
			1each	Dorma - Kick Plate 1020, 5mm less door width x 300mm x 0.9mm, SS 304	/ GEZE Arrone, SS kick plate size 900mm x 300mm x 1.2mm thick Art No:- 8017038
			1each	Dorma - Floor stop half dome 3108, 45dia SSS	/ GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm. Finish: Satin stainless finish Art no:8017001
			1each	Dorma - Male Sign Plate 3020-M, size 125 x 125mm, SS 304	/ GEZE Arrone, GEZE 100mm x 150mm rectangular male sign Art No:- 8017022
11	4.2.11	Steel Door Single leaf of size :FD3 1000x2100mm with vision panel with hardware set # 11	3each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS	/ GEZE Arrone, Sash lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003. Art No:8014025
			1each	Dorma - EP Cyl. 3515, 5pin one side key & thumb turn Length=70mm, SNP	/ GEZE, Euro profile cylinder with thumb turn in 35 + 35mm, 5pin type
			1each	Dorma - Pull handle D type TGDI-D300, b/b 22dia, in SSS 304	/ GEZE Arrone, D-Shape Pull Handle, supplied with two 8mm back to back bolts. Material: Stainless Steel Finish: Satin Size: 22mm dia x 300mm Art No:- 8013133
			1each	Dorma - Door closer TS 72 EN 2-4 with Std. arm	/ GEZE Overhead door closer TS 2000 NV with in nitely adjustable closing force size 2-4, EN 1154, closing force adjustment from side, closing speed and latching action.
			1each	Dorma - Floor stop half dome 3108, 45dia SSS /	GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm.
12	4.2.12	Steel Door Single leaf of size :FD3 1000x2100mm with vision panel with hardware set # 3A	3each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Mortice sash lock 271, 55mm BS/20mm sq. fornd, SSS /	/ GEZE Arrone, Sash lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003.
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35)
			1pair	Dorma - Lever Handle Pure 8100/6501 -S114, with roses & esc. SSS	/ GEZE Arrone, 19mm dia Lever handle sprung loaded on with rose. Type tested for conformity to all of the requirements of BS EN 1906 Grdee 3. Size: 140mm x 70mm projection from door surface. Art no:8011001 GEZE Arrone, 52mm dia with 38mm fixing centers supplied with stainless steel structure 8mm thick Art. No. :-8012109
			1each	Dorma - Door closer TS 72 EN 2-4 with Std. arm	/ GEZE Overhead door closer TS 2000 NV with in nitely adjustable closing force size 2-4, EN 1154, closing force adjustment from side, closing speed and latching action.
13	4.2.13	Steel Door Double Leaf door of size : D1 1500X2100mm with vision panel with hardware set # 12	6each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS	/ GEZE Arrone, Dead lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003. Art No:8014026
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/ GEZE, 5 pin Euro profile double cylinder 70mm(35+35) Art no:8245212
			1each	Dorma - Escutheions ZS 6612 for Europrofile cylinder SSS / 8012109 -	GEZE Arrone, 52mm dia with 38mm fixing centers
			2pair	Dorma - Pull handle D type TGDI-D300, b/b 22dia, in SSS 304	/ GEZE Arrone, D-Shape Pull Handle, supplied with two 8mm back to back bolts. Material: Stainless Steel Finish: Satin Size: 22mm dia x 300mm Art No:- 8013133

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		General doors - Painted			
			2each	Dorma - Door closer TS 89 EN 2-6 with Std. arm	/ GEZE Overhead door closer GEZE TS 4000 for mounting on smoke and fire-proof doors, size 1-6 as per EN 1154 A, closing force adjustable at front with size 1-6, closing speed and backcheck adjustable at front, with visual size indicator
			2each	Dorma - Lever action flush bolt 3101-1, L=300mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 305mm Material: Stainless steel Finish: Satin stainless steel Art No: 8017041
			0each	Dorma - Lever action flush bolt 3101-2, L=600mm, SC	/ GEZE Flush Bolt for steel door Size: 25 x 605mm Material: Stainless steel Finish: Satin stainless steel Art No:8017046
			1each	Dorma - Dust Excluding socket 3124, 16dia hole, SSS	/GEZE Arrone Dust proof socket - SSS
			2each	Dorma - Floor stop half dome 3108, 45dia SSS	/ GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm.
14	4.2.14	Steel Door Single leaf of size :D3 1000x2100mm with bottom louver with hardware set # 10	3each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Dorma - Mortice Dead lock 278, 55mm BS/20mm sq. fornd, SSS	/ GEZE Arrone, Dead lock 60mm Backset with strike plate. Supplied with Machine screws for metal door. Type tested for conformity to all of the requirements of BS EN 12209:2003. Art No:8014026
			1each	Dorma - EP Cyl. 3525, 5pin both side key Length=70mm, SNP	/GEZE, 5 pin Euro profile double cylinder 70mm(35+35)
			1pair	Dorma - Escutheions ZS 6612 for Europrofile cylinder SSS / 8012109 -	GEZE Arrone, 52mm dia with 38mm fixing centers supplied with stainless steel structure 8mm thick
			1each	Dorma - Pull handle D type TGDI-D3001, 22dia, SSS 304 (single side)	/ GEZE Arrone, D-Shape Pull Handle, supplied with two 8mm x 75mm countersunk bolt c/w Allen key & including two clear dia 19mm flexible nylon washer. Material:Stainless Steel Finish:Satin Size:22mm dia x 300mm Art No:-8013113
			1each	Dorma - Push Plate 1100, size 100 x 400 x 1.25mm, SS 304	/ GEZE Arrone, Push Plate Size :- 330 X 100mm Material :- SSS Art No. :-8017044
			1each	Dorma - Door closer TS 72 EN 2-4 with Std. arm	/ GEZE Overhead door closer TS 2000 NV with nitely adjustable closing force size 2-4, EN 1154, closing force adjustment from side, closing speed and latching action.
			1each	Dorma - Kick Plate 1020, 5mm less door width x 300mm x 0.9mm, SS 304	/ GEZE Arrone, SS kick plate size 900mm x 300mm x 1.2mm thick Art No:- 8017038
			1each	Dorma - Floor stop half dome 3108, 45dia SSS /	GEZE Arrone, Half moon door stop, Size: Dia 42mm x 25mm. Finish: Satin stainless finish Art no:8017001
			1each	Dorma - Male Sign Plate 3020-M, size 125 x 125mm, SS 304	/ GEZE Arrone, GEZE 100mm x 150mm rectangular male sign Art No:- 8017022
15	4.2.15	Steel Door Single leaf of size :D4 750x2100mm without vision panel with hardware set # 19	3each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Mortice WC lock 775, 55mm BS/20mm sq. fornd, SSS	Mortice WC lock 775, 55mm BS/20mm sq. fornd, SSS
			1each	Lever Handle Pure WC 8100/6501/7122 -S114, with roses & esc. SSS	Lever Handle Pure WC 8100/6501/7122 -S114, with roses & esc. SSS
			1pair	Coat Hook	Coat Hook
			1each	Wall Stop L=70mm	Wall Stop L=70mm
			1each	Male Sign Plate 3020-M, size 125 x 125mm, SS 304	Male Sign Plate 3020-M, size 125 x 125mm, SS 304
16	4.2.16	Steel Door Single leaf of size :D4 750x2100mm without vision panel with hardware set # 20	3each	Dorma - Hinges BB 4330, 5 Knl, 2 Ball bearing butt hinges size 4" x 3" x 3mm SS 304	/ GEZE Arrone, Two ball bearing flat button hinge with machine Screws Size : 4"x3"x3mm Material : Stainless Steel Finish: Satin Art no:8011008
			1each	Mortice WC lock 775, 55mm BS/20mm sq. fornd, SSS	Mortice WC lock 775, 55mm BS/20mm sq. fornd, SSS
			1each	Lever Handle Pure WC 8100/6501/7122 -S114, with roses & esc. SSS	Lever Handle Pure WC 8100/6501/7122 -S114, with roses & esc. SSS

CONSTRUCTION OF BIOTECHNOLOGY AND CENTRE FOR SUSTAINABILITY BUILDING (GROUND + 6 FLOORS) AT IIT MADRAS

Hollow Metal doors non-fire rated - HARDWARE

Annexure - 1

S.No	BOQ No.	Description	Set per door	DORMA MAKE	GEZE MAKE
		General doors - Painted			
			1pair	Coat Hook	Coat Hook
			1each	Wall Stop L=70mm	Wall Stop L=70mm
			1each	Female Sign Plate 3020-F, size 125 x 125mm, SS 304	Female Sign Plate 3020-F, size 125 x 125mm, SS 304
		HANDICAP TOILET DOOR			MAKE
17	4.2.17	Steel Door Single leaf of size :D4 1000x2100mm without vision panel with hardware set # 21	1each	Disable Sign Plate 3020-D, size 125 x 125mm, SS 304	Dorma
			1each	1922130027- Sealing Strip with Brush for Sliding door Frame-2500	Horman
			1each	1922130019- Sliding Door Lock	Horman
			1pair	1922130022- Sealing for Sliding door,Leaf,Convex-2500	Horman
			1each	1922130024- Sealing for Sliding door,Leaf,Concave-2500	Horman
			1each	1922130023- Locking Tube top for security door,1333-2500 (H max =2500)	Horman
			1SET	Part No. 4107096, Geze Rollan 80 Package - Set2 for Wooden/Aluminium framed doors, Direct Ceiling mounting Track L=3000mm, Single, leaf, Max leaf weight : 80Kgs 1Length x ID-No. 120150 - Rollan 80 track, 3000mm, 2Pc x ID-No. 055778 - Double roller carriage (dark grey) with suspension bolt for Rollan 80 1Pc x ID-No. 120287 - In -rail buffer R1/e, 1Pc x ID-No. 120161 - In-rail buffer with fixing element, 2Pc x ID-No. 026654 - Carrier plate R1/d, 1Pc x ID-No. 002191 - Floor guide	Geze
			1each	Guardian europrofile double cylinder NMK 5660C-D Non-master keyed, 6pin 60mm length in SNP - 7001649	Guardian
			1each	Guardian SS 304 Grade Pull Handle 19mm Dia Length 254mm Back to backD Type - 7001669	Guardian
			1pair	1922130028-Guide Roller Unit-Set	Horman
			1each	Wall Stop L=70mm	Dorma / GEZE
			1each	Female Sign Plate 3020-F, size 125 x 125mm, SS 304	Dorma / GEZE