

**Government College of Engineering & Ceramic Technology****Government of West Bengal****73, Abinash Chandra Banerjee Lane, Kolkata-700010****Tele/Fax- (033) 2370 1264, 2363 3674, 2363 3675****E-mail - [gcect@rediffmail.com](mailto:gcect@rediffmail.com) Website- [www.gcect.ac.in](http://www.gcect.ac.in)****No: GCCT/187/DST-73/62/19-20****Date: 19.03.2019****Due date: 25.03.2019****NOTICE**

Sealed and superscribed quotations are invited by the undersigned for

Product Name	1	2	3	4	5	6	7	8
	MWNT-COOH (95+%, OD < 8 nm)	Short MWNT-COOH (95+%, OD < 8 nm)	Short MWNT-COOH (95+%, OD 10-20 nm)	Short MWNT-COOH (95+%, OD 8-15 nm)	MWNT-COOH (95+%, OD 10-20 nm)	MWNT-COOH (95+%, OD 20-30 nm)	MWNT-COOH (95+%, OD 30-50 nm)	MWNT-COOH (95+%, OD 50-80 nm)
Quantity	25 gm	5 gm	25 gm	5 gm	25 gm	25 gm	25 gm	25 gm
Make	Nanostructured and amorphous materials Inc.	Nanostructured and amorphous materials Inc.	Nanostructured and amorphous materials Inc.	Nanostructured and amorphous materials Inc.	Nanostructured and amorphous materials Inc.	Nanostructured and amorphous materials Inc.	Nanostructured and amorphous materials Inc.	Nanostructured and amorphous materials Inc.
Stock No	1267YJF	1254YJF	1256YJF	1255YJF	1269YJF	1270YJF	1271YJF	1272YJF
Purity (Wt%)	> 95%	> 95%	> 95%	> 95%	> 95%	> 95%	> 95%	> 95%
COOH (Wt%)	3.67-4.05 wt%	3.67-4.05 wt%	1.9-2.1 wt%	2.43-2.67 wt%	1.9-2.1 wt%	1.17-1.29 wt%	0.69-0.77 wt%	0.47-0.51 wt%
Residue & Amorphous Carbon Content (Wt%)	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%
Dimension	2-5 nm (I.D), < 8 nm (O.D), 10-30 $\mu$ m (Length)	2-5 nm (I.D), < 8 nm (O.D), 0.5-2 $\mu$ m (Length)	5-10 nm (I.D), 10-20 nm (O.D), 0.5-2 $\mu$ m (Length)	3-5 nm (I.D), 8-15 nm (O.D), 0.5-2 $\mu$ m (Length)	5-10 nm (I.D), 10-20 nm (O.D), 10-30 $\mu$ m (Length)	5-10 nm (I.D), 20-30 nm (O.D), 10-30 $\mu$ m (Length)	5-15 nm (I.D), 30-50 nm (O.D), 10-20 $\mu$ m (Length)	5-15 nm (I.D), 50-80 nm (O.D), 10-20 $\mu$ m (Length)
Average interlayer distance (nm)	0.34 nm	0.34 nm	0.34 nm	0.34 nm	0.34 nm	0.34 nm	0.34 nm	0.34 nm
Bulk Density (gm/cm <sup>3</sup> )	0.05-0.17 g/cm <sup>3</sup>	0.05-0.17 g/cm <sup>3</sup>	0.05-0.17 g/cm <sup>3</sup>	0.05-0.17 g/cm <sup>3</sup>	0.05-0.17 g/cm <sup>3</sup>	0.05-0.17 g/cm <sup>3</sup>	0.05-0.17 g/cm <sup>3</sup>	0.05-0.17 g/cm <sup>3</sup>
Specific surface area (m <sup>2</sup> /gm)	> 500 m <sup>2</sup> /g	> 500 m <sup>2</sup> /g	> 200 m <sup>2</sup> /g	> 233 m <sup>2</sup> /g	> 200 m <sup>2</sup> /g	> 110 m <sup>2</sup> /g	> 60 m <sup>2</sup> /g	> 40 m <sup>2</sup> /g

Interested parties may visit our college website: [gcect.ac.in](http://gcect.ac.in) and are requested to submit their lowest quotation to the undersigned by above mentioned date in a sealed cover. The scope of the work may be taken from the institute by inspection of any working day.

**K. Chakraborty**  
Principal

Government College of Engineering & Ceramic Technology  
Government of West Bengal