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MUNICIPAL CORPORATION OF GREATER MUMBAI

Ch. Eng. No. 10147 Gen/DL 5 DEC 2015

C I R C U L A R

Sub - Standardization of specifications of equipment machinery and materials pertaining to M&E works under Ch.Eng.(S.O.), H.E. & W.S.P., S.P.(M&E)

- Ref - i. ChEng(SO)/3356, dated 16.12.2014.
ii. No.Ch.E./SO/126/Gen. dtd.09.04.15

In continuation with above subject matter the amended list of approved makes for major equipments under Sewerage Operation, H.E. and Water Supply Projects & Sewerage Projects (M&E) departments is as follows.

Sr. No.	Equipment	Recommended Makes
1	Pump(Hor.) for water 4 MLD& above	Jyoti, KBL, M&P, KSB,
2	Pump (Vert.) for water 4 MLD& above	Jyoti, KBL, M&P(WILO)
3	Pump(Hor.) for Sewage 4 MLD& above	Jyoti, KBL, M&P, KSB, Beacon Weir, Sulzer, Flowmore
4	Pump (Vert.) for Sewage 4 MLD& above	Jyoti, KBL, M&P(WILO), EBARA, SULZER, HICO
5	Motor(Hor./Vert.) 3.3KV, 200 KW and above	GEC, Crompton Greaves, ABB, Jyoti, SIEMENS, KEC, Shinko(Japan), Bharat-Bijlee, BHEL, HICO, Marathone, Alstom Ltd.
6	Motor 415 V, 10 KW and above	GEC, Crompton Greaves, ABB, Jyoti, SIEMENS, KEC, Bharat-Bijlee, Marathone, Alstom Ltd.
7	Sluice Valve (Above 900 mm)	IVC, IVI, Kirloskar, Makimura, Dezurik, VAG, Jash, Orbinox
8	Sluice Valve (Above 450mm & below 900mm)	IVC, IVI, Kirloskar, Makimura, Dezurik, Mayur, Patsons, Jash, Orbinox, VAG
9	NRV (150 mm and above)	IVC, IVI, APCO, Dezurik, IVC, Glenfield, Adons, VAG, PATSON
10	Pump Check Valve	Dezurik, IVI, IVC

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11	Knife Gate Valve (300 mm and above)	Fouress Engg., Dezurik, IVC, Orbinox, VAG, AUDCO(L&T), Jash Engg.
12	Penstock Gate (Above 600mm)	Jash, Hambaker, Yashawant, Orbinox, VAG,
13	Penstock Gate (Upto 600mm)	Jash, Hambaker, Yashawant
14	Electrical Actuators(Non- smart)	Auma, Rotork, Limitorque, L Bernard
15	Electrical Actuators(smart type)	Auma, Rotork
16	Actuators (Pneumatic)	Bettis, Janson, VAG Pasak, Feisto, Amri, Rotex
17	Electric driven submersible Pump (wet pit type)	Up to 10 MLD :- FLYGT, Grundfos, WILO, KSB, ABS, KBL, Kishore Above 10 MLD :- FLYGT, Grundfos, WILO, KSB, ABS, KBL
18	Dewatering Submersible Pump (Up to 4 MLD)	Kishore, KBL, SU pump, Hi-Tech, CRI, Mody, Kulkarni, Jyoti, ABS, Grundfos (and also other makes as per FME schedule)
19	Transformer (up 5 MVA)	EMCO, CGL, Bharat Bijlee, NGEF, Schneider, Telawane, Western Transformer, General electric co, GEC, Voltas, Schneider
20	Extra High voltage Transformers (above 100KV)	BHEL, Crompton Greaves LTD, Kirloskar Electric, Alstom, Ltd, ABB Ltd, Siemens Ltd, Bharat Bijlee Ltd.
21	RMU	MERLIN GERIN, ABB, Siemens, Schneider, CGL
22	ACB	SIEMENS, L&T, ABB, CGL, Merlin Gerin, Schneider
23	VCB	Andrew Yule & Co Ltd., Siemens, Areva(Schneider), ABB, BHEL, Crompton Greaves, KEC, Jyoti
24	Contactors / Control Accessories & Isolator	SIEMENS, CGL, Schneider, ABB, Schwinder, Megavin, L&T, Cutler Hammer, Kaycee, Havells, Indo Asian, KEW, CPL
25	APFC Panel/Capacitors (3.3KV & above)	Shreem, Energe, Madhav capacitors, EPCOS, Manohar Capacitors, BHEL, Usha, Enco, Crompton Greaves, Khatau Junkar, Siemens, L&T, Mahan, Cutler Hammer(BCH), Universal, ABB,
26	Compressor & Blower	Ingersoll Rand, Usha compressors, Chicago Pneumatics, Atlas Copco, Kay International, Kirloskar Pneumatic, Elgi, T Maneklal (TMVT)

27	Mechanized Screens	Headworks, Huber, Mahr-Maschinenban, Kuhn, Ovlo, FMC, Johnson
28	Flowmeter (Insertion Type) 300 mm and above	Ultraflux (France), Ritt meyer (Switzerland), Siemens (Germany), Accusonic (USA), Krohne-Marshall (Forbes-Marshall)
29	Flowmeter (Clamp-on Type) 300 mm and above	Siemens, Ultraflux
30	Flowmeter (Magnetic) 300 mm and above	Krohne-Marshall, Siemens, ABB, Endress+Hauser, Honey well
31	Ultrasonic level measurement system	Honeywell, Endress+Hauser, Siemens
32	Radar Level Transmitter	Siemens, Rosemount, Honeywell
33	SF6 Circuit Breaker	Siemens, ABB, CGL
34	Battery Charger	Chabi, Amararaja, Emco, Enertech UPS pvt.Ltd, Automatic Electric Hind Rectifier, Ruttanshaw, Chemsolar, Masstech, Servolink, Universal Instruments
35	Extra High voltage Circuit Breaker	BHEL, Alstom Ltd, ABB Ltd, Siemens Ltd,
36	High voltage lighting Arrestors	Elpro International Ltd, Oblum Electrical Ind.Ltd, Power & control Transformers India(P) Ltd, ABB Ltd.
37	High voltage current / Potential Transformers/ CVTs	Crompton Greaves LTD, ABB, BHEL, Siemens, Automatic Electric Ltd., Mehru Electricals., Kappa, Pragati, AE, Prayog
38	Electrical Insulators	Jayashree Insulators, Modern Insulators
39	Relays	Alstom Ltd., Abb Ltd., Siemense Ltd., Easun Reyrilloe Relays & devices Ltd., L&T, Minilec
40	Sub Stations structures	RPG Transmission Ltd., L&T, Tata Exports Ltd., Jyoti Structures Ltd.
41	Cable Joints	Mahindra & Raychem, Birla 3M
42	HT Cables	Tropodour, Asian & NICCO, Finolex, Polycab
43	LT Cables	AS PER FME SCHEDULE (Ch Eng M & E)
44	MCCB	AS PER FME SCHEDULE (Ch Eng M & E)
45	HV Reactors	Western H.I volts, Equpt, Quality power Electric. EQPTS, Crompton Greaves, S.R., Narkhede Inercom, Alacrity, ABB, Siemense, A.E.
46	D.G. Set 250 KVA and above	Powerica, Greaves, Caterpillar, Kirloskar Cummines

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47	Ozone Generator	WEDECO, Kaufman
48	Flocculator, Clarifier mechanism sludge thickner, Telescopic valve	Voltas, EMKO
49	Decanter Centrifuge	Alfa Laval, Pennwalt, HUMBOLT
50	Pac Dosing System	Milton Roy, Grundfos
51	Air Valves	Amflow, VAG, AIR
52	Diaphragm valves	Saunders, BDK
53	Ball valves	Saunders, Audco, Rotex
54	Globe Valves	Audco, Instrumentation Ltd., Leader
55	Butterfly valves	Fouress Engg.Ltd., Kirloskar Brothers Ltd., VAG, Rotex (upto 600mm size).
56	Pressure Reducing valves	VAG, ERHARD

INSTRUMENTATION/SCADA
SCADA

Sr. No.	Equipment	Recommended Makes
57	SCADA System	ABB, Schneider, Canada/Siemense/Yokagawa
58	UPS system	Amtech, Aplab, APC, Inercom, Emerson, Herel, Jupitor, Schneider
59	Underground Armoured Fiber optic cable at accessories	ATNT Finolex, Furukawa - PFI, Furukawa Fitel, Luscnt technologies, Pirelli, D-link, Finolex, HFCL India, Siemens corning
60	Ethernet to optical media convertors	D-Link
	Level Instrument	
61	RF capacitance type level transmitter	Vega, Magnetrol, Drexelbrook, Pepperl & Fuchs
62	Conductivity type level switch	Pepperl & Fuchs, Vega, Toshbro, Pune Techtrol, SB Electromech
	Pressure Instruments	
63	Pressure & DP Transmitter	Emerson, Yokogawa, ABB, Siemens
64	Pressure Switch	Switzer, Verma Trafag, Indfoss
65	Pressure Gauge	Forbas Marshall, Manometer India Ltd., General Instrument co., GURU, George Rischer

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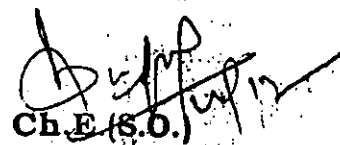


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	Panel Mounted Instruments	
66	Digital Panel Meter	ABB, Yokogawa, Lektrotek, Massibus
67	Digital flow indicator cum flow integrator	ABB, Massibus, Pyrotech Electronics
68	Alarm Annunciator	Minilec, Industrial Control & Appliance, Pyrotech Electronics
69	Lightening Protection units	MTL Instruments, Pepperl & Fuchs, ERICO
70	PROGRAMMABLE LOGIC CONTROLLER	Schnieder, Rockwell Automation, Siemens, ABB, Tata Honeywell
71	Ultrasonic flow meter	G.E.Sensing, Siemens, Ultraflux, E & H
72	RTU/PLC	Kronher, ABB, Danfoss, Schneider, Modicon, Rockwell
73	Electro Magnatic flow meter	ABB, Forbes Marshall, Siemens
74	Analytical Instruments	HACK

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Ch.E.(S.O.)

Circular copy is forwarded for information and necessary action please. This circular supersedes the earlier circular circulated in this regard referred as above.


Ch.E.(S.O.)

Ch. E. (S.O.)/ Ch.E.(M.S.D.P.)/Ch.E.(M&E)/ Ch. E.(WSP)/ H.E./
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Dy.Ch.E.(S.P.) M&E

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जल वितरण वॉके कार्यालय

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