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No. 33/D&S /phed/2017-18/ 1357-1444

Date 06/10/2017

Chief Engineer, PHED (HQ)/(R)/(SP)/(Admn.)Jaipur,

Chief Engineer, PHED (P) Jodhpur

Chief Engineer ,PHED RRWS&FMP ,GOGELAR PUMP HOUSE, NH-89 PHED,
Nagaur, (Rajasthan)

Addl.Chief Engineer , PHED Region------(All)

**Subject: - List of specified makes/acceptable makes of various items to be used
in Water Supply Projects/Schemes. (Up-dated Up-to 30/09/2017)**

Ref.:- This Office Letter no. 33/D&S /phed/2016-17/506-592, dated 27.06.2017

A list of specified makes/acceptable makes of various items to be used in Water Supply Projects was circulated vide letter under reference by C E (Tech.). The above list was subject to modification, as per subsequent addition /deletion of makes by Technical Committee.

Up-dated list of specified makes/acceptable makes has been prepared and enclosed herewith, including approval of makes up-to 658th meeting of Technical Committee dated 22.09.2017. This up-dated list shall now be made part of tender documents of water supply projects/schemes of the department.

DM Jain
(D M Jain)

Chief Engineer (Tech.) & TM
RWSSMB, PHED, Jaipur

Date 06/10/2017

No. 33/D&S /phed/2017-18/ 1357-1444

Copy to following:-

- 1- SA to Hon'ble Minister, PHED Government of Rajasthan, Jaipur.
- 2- PS to Principal Secy. PHED, Jaipur.
- 3- FA & CAO, RWSSMB, Jaipur.
- 4- Secretary, RWSSMB, Jaipur.
- 5- Superintending Engineer I T Wing, O/o CE Admn. PHED, Jaipur to kindly arrange to upload this updated list of specified makes/acceptable makes of various items on departmental web site.
- 6- Superintending Engineer , PHED Circle(All)

S. S. S. S.

Superintending Engineer (D&S)
PHED, Jaipur

LIST OF SPECIFIED MAKES (Updated up to 30/09/2017)

SN	PARTICULARS OF ITEMS/ EQUIPMENTS	SPECIFIED MAKES
<u>BREAKER & RELAY</u>		
1.	HIGH VOLTAGE DOUBLE BRAKE ISOLATOR WITH OR WITHOUT EARTH BRAKER	ATLAS / ABB / ELPRO / PRACTIL / SKIPPER SEIL
2.	VACCUUM CIRCUIT BRAKER	ABB / BHEL / CGL / SCHNEIDER / JYPTI/ STELMEC
3.	MOULDED CASE CIRCUIT BREAKER	SCHNEIDER / L&T/ C&S / SIEMENS / HAVELLS / ABB
4.	PROTECTION RELAYS	SCHNEIDER / ABB / SIEMENS / ER
5.	HRC FUSES	L&T / SIEMENS / ER / HAVELLS
6.	CONTROL FUSES	SCHNEIDER / L&T / C&S / SIEMENS / HAVELLS
<u>CABLES & WIRES</u>		
7.	HT CABLE	CCI / UNISTAR / RPG / HAVELLS / KEI / DYNAMIC CABLES/POLYCAB/
8.	LT CABLE	CCI / INCAB / UNISTAR / RPG / NICCO / HAVELLS / KEI / DYNAMIC CABLES/POLYCAB/VISHAL/
9.	CONTROL CABLE	CCI / UNIVERSAL / FINOFLEX / GEMSCAB / RPG / KEI / CORDS/ DYNAMIC CABLES / POLYCAB/
10.	PVC LIGHTING WIRES	FINOLEX / RPG / GEMSCAB / KEI / POLYCAB/
<u>CENTRIFUGAL PUMPS</u>		
11.	DEWATERING / POLDAR PUMP	KBL / M&P / KSB / SU / MBH/WPIL/JASCO/ SINTECH/ AQUA
12.	BACK WASH PUMPS	KIRLOS KAR / M & P / JYOTI / WPIL
13.	DOSE METERING PUMPS	ASIALMI / SWELLORF / VK/SR
14.	SLUDGE / NON-CLOG SEWAGE PUMP	KIRLOS KAR / M&P / JYOTI / MBH/WPIL/ JASCO/ SINTECH/ AQUA
15.	VT PUMPS	FLOWMORE / M&P / KBL / WPIL / JYOTI / AQUA /SINTECH(Up-to 250KW)
16.	HSC PUMPS	FLOWMORE / M&P / KBL / WPIL /JYOTI / LUBI / MAXFLOW (UPTO 45KW) / GRUNDFOS / JASCO(up-to 50KW) / SINTECH(up-to 250KW)
17.	SUBMERSIBLE CENTRIFUGAL PUMP	AQUA/ MBH (UP-to 50KW)/WPIL(Up-to 50KW) / JASCO(Up-to 50KW)

LIST OF SPECIFIED MAKES (Updated up to 30/09/2017)

<u>FLOW METERS</u>		
18.	ELECTROMAGNETIC FULL BORE TYPE FLOW METER	KROHNE MARSHALL / NIVO CONTROL / E&H / SIEMENS / RLT / SBEM / ABB/ ELECTRONET/ADEPT
19.	ULTRA SONIC TYPE FLOW METER	E&H / KROHNE MARSHALL / SIEMENS / NIVO CONTROL / CHETAS / RLT/ARAD(up-to 300MM) / ELECTRONET(up-to 300MM)/ ADEPT(Insertion type and Clamp on Type)/
20.	MECHANICAL TURBINE TYPE FLOW METER	ITRON / CAPSTAN / NIVO CONTROL / AQUAMET / RLT/ ARAD(up-to 300MM)
<u>MOTORS</u>		
21.	H.T. MOTORS	KIRLOSKER ELCTRIC CO. LTD. (KEC.) / SIEMENS INDIA LTD. (SIEMENS) / CROMPTON GREAVES LTD. (CROMPTON) / BHARAT HEAVY ELECTRICAL LTD. (BHEL) /GENERAL ELECTRIC CO. LTD. (GEC) /NGEF (NGEF) / JYOTI/JEUMONT(Up-to 600KW)/ WEG (Up-to 5MW)/TMEIC(Up-To 5MW)
22.	L.T. MOTOR	KEC/SIEMENS / ABB/NGEF/JYOTI/ LUBI (Up-to 150KW)/ HAVELLS(Up-To 200 KW)
23.	INDUCTION MOTOR	KEC/ NGEF/ CGL/ BHEL/ SIEMENS /
<u>PROCESS CONROL INSTRUMENTS</u>		
24.	ALTERNATOR	KEC / JYOTI / AVK / CROMPTON
25.	ANNUCIATOR	MASIBUS / LETROTEK / APLAB / MINILEC / PEACON /
26.	CAPACITOR	L&T/ YASH/ KHATAU JANKAR / UNISTAR
27.	INDICATING METERS	AE / IMP / RISHAB/ E&H/ MILLBORN
28.	LEVEL INDICATOR	FORBES MARSHAL / YOKO GAWA / BELLS CONTROLS/ SBEM/ E&H / RLT/ TECHTROL
29.	LEVEL SENSORS (CAPACITANCE TYPE)	LEVCON / TOSHNIWAL / PUNE TECHTROL/ SBEM / E&H / RLT
30.	LEVEL SENSORS (ULTRA SONIC TYPE)	FISHER ROSE MOUNT / HONEY WELL / VEGA INSTRUMENT/ KROHNE MARSHALL / SIEMENS / SBEM / E&H / RLT
31.	LEVEL SWITCH	FISHER ROSE MOUNT / HONEY WELL / SIEMENS / VEGA INSTRUMENT / KROHNE MARSHALL/ SBEM/ E&H / RLT/TECHTROL
32.	LEVEL TRANSMITTER	FISHER ROSE MOUNT / HONEY WELL / VEGA INSTRUMENT / KROHNE MARSHALL / SIEMENS / SBEM / E&H / RLT/ELECTRONET/ TECHTROL

LIST OF SPECIFIED MAKES (Updated up to 30/09/2017)

33.	MECHANICAL FLOW MIXER AND INDICATOR	SCHLUMBERGER (ACTRIES) / CAPSTAN
34.	METERING	AE / IMP / RISHAB/ E&H
35.	MULTI FUNCTION METERS	IMP/ SIEMENS / RISHAB / AE
36.	NOISE METER	CYGNET
37.	PRESSURE GAUGE	BELLS CONTROLS/ JN MARSHAL / H GURU / MANOMETER INDIA
38.	PRESSURE INDICATOR	FISHER ROSE MOUNT/ BELLS CONTROLS / HONEYWELL / FOX BORO / E&H/ RLT
39.	PRESSURE LOGGERS	L&T / ABB / MASIBUS / LETROTEK
40.	PRESSURE TRANSMITER	FISHER ROSE MOUNT/ HONEY WELL / FOX BORO / BDO FORBES MARSHAL/ YOKO GAWA / SEIMENS/ E&H / RLT/ELECTRONET/
41.	RECTIFIER	CANARA ELECTRIC
<u>SWITCHGEAR & SWITCHGEAR PANELS</u>		
42.	33KV SWITCHYARD CONTROL PANEL	L&T / SIEMENS / SCHNEIDER
43.	HT SWITCH GEAR PANEL	SCHNEIDER / ABB / SIEMENS / L&T/ C&S / CGL/ HT SWITCHGEARS/ SWATI SWITCHGEARS/PCE/
44.	LT SWITCH GEAR PANEL	SCHNEIDER / L&T / C&S / SIEMENS / HAVELLS/ DYNAMIC / GK MARKETING / DIVYA/ HT SWITCHGEARS/ SWATI SWITCHGEARS / ENGINEERS & ENGINEERS/ MILLBORN/ SUN AUTOMAT/ JOHNS ELECTRIC/NISH TECHNO PROJECTS/ICAM /PCE/PYROTECH/POWERTECH/ POPULAR
45.	CONTACTORS	ABB / L&T / C&S / SIEMENS / BCH / HAVELLS / DIVYA
46.	TOR SWITCH	L&T / KAYEES / SCHNEIDER / SIEMENS / SALZER
<u>TRANSFORMERS</u>		
47.	33/6.6 KV POWER TRANSFORMER	ABB / CGL / ALSTOM / BHARAT BIJLEE / KIRLOSKAR / UTTAM (BHARAT) / VOLTAMP / VARDHMAN /ELECTRO – MECH /SKIPPER/FTS(5MVA 33/11KV)
48.	33 OR 6.6/ .433 KV AUXILIARY TRANSFORMER	ABB / CGL / ALSTOM / BHARAT- BIJLEE / KIRLOSKAR / UTTAM (BHARAT) / VOLTAMP / VARDHMAN /ELECTRO – MECH/ SKIPPER/FTS
49.	CURRENT TRANSFORMERS (CT)	ABB / BHEL / KAPPA / JYOTI / SKIPPER SEIL

LIST OF SPECIFIED MAKES (Updated up to 30/09/2017)

50.	POTENTIAL TRANSFORMERS (PT)	ABB/ BHEL/ KAPPA / JYOTI / SKIPPER SEIL
VALVES		
51.	AUTOMATIC FLOW CONTROL	DARLING MUESCO
52.	PRESSURE REDUCING VALVES	DARLING MUESCO
53.	BUTTER FLY VALVE	KIRLOSKER BROTHER LTD / INDIAN VALVE COMPANY/ FOURESS ENGINEERING / ADVANCE / DURGA ENGG./ MAYUR/ R&D / DALUI / JUPITER (UPTO 1600MM) / KARTAR (UPTO 250MM) / AVK / UPADHAYA / MARCK (UPTO 600MM)/ PATSONS/ VAG/CALSSENS/ RG (UPTO 600 mm)/SIGMA (up-to 800MM)/KENNEDY(up-to 1200MM)
54.	DI Resilient (Soft) Seated BUTTERFLY VALVE	AVK /VAG/JUPITER (UPTO 700MM) / IVC / DVPL/RG (UPTO 600 mm)/ KBL (UPTO 2000 mm)/R&D(up-to 900MM)/SIGMA (up-to 1200MM)/SHIVA(up-to 300MM)/ KENNEDY(up-to 1200MM)
55.	SLUICE VALVE	KIRLOSKAR BROTHERS LTD., PUNE / INDIAN VALVE COMPANY/ FOURESS ENGINEERING / DURGA ENGINEERING / SHIV DURGA / KEYSTONE / MAYUR / DALUI / R&D / JUPITER (UPTO1200MM) / KARTAR (UPTO 600MM) / AVK / SHIVA (UPTO 600MM) / UPADHAYA / BEW (UPTO 300MM) / PATSONS/ VAG / SACHDEVA (UPTO 1200 MM)/ CALSENS/HARI (UPTO 250MM)/RAMESH(Up-to 500MM Pn1.0 and Up-to 300MM Pn 1.6)/SIGMA(UP-TO 800MM Pn 1.0 and Pn 1.6)/ KENNEDY(up-to 1200MM Pn1.0 and Pn1.6)/ KRANTI(up-to 200MM, CI) /
56.	DI Resilient (Soft) Seated SLUICE VALVE	SIGMA (UP-TO 1000MM Pn 1.0 and Pn 1.6)/ AVK / BEW (UPTO 300MM) /VAG/ JUPIETR (UPTO 450MM)/SACHDEVA (UPTO 1000MM) / SHIVA (UPTO 600MM Pn 1.0 and Pn1.6) / MAYUR (UPTO 300MM) / IVC / DVPL / KARTAR (UPTO 600MM)/ KBL (UPTO 1300 mm)/R&D(up-to 900MM PN1.0 and up-to 300MM PN1.6)/ KENNEDY(up-to 600MM Pn1.0 and Pn1.6)
57.	DOUBLE PLATE CHECK VALVE	ADVANCE / KBL / IVC / R&D /DURGA / MAYUR / DALUI / PATSONS / VAG/ KENNEDY(up-to 800MM)
58.	NON RETURN VALVE	KIRLOSKAR BROTHERS LTD., PUNE / INDIAN VALVE COMPANY/ FOURESS ENGINEERING / DURGA ENGINEERING / SHIV DURGA / KEYSTONE / MAYUR / DALUI / R&D / JUPITER (UPTO1200MM) / KARTAR (UPTO 600MM) / AVK / SHIVA (UPTO 600MM) / UPADHAYA / BEW (UPTO 300MM) / PATSONS/ VAG / SACHDEVA (UPTO 1200 MM)/ CALSENS/HARI (UPTO 250MM)/ RG (UPTO 600 mm)/RAMESH(Up-to 250MM)/SIGMA(800MM)/ KENNEDY(up-to 600MM) / KRANTI(Up-To 150MM , CI)
59.	DI Resilient (Soft) Seated NON RETURN VALVE	AVK / VAG / IVC / DVPL/ RG (UPTO 600 mm)/ KBL (UPTO 600 mm)/ KENNEDY(up-to 600MM / SIGMA(600MM)/ SHIVA (UPTO 600MM))
60.	KINETIC AIR VALVE	KIRLOSKAR BROTHER LTD. / INDIAN VALVE COMPANY / ADVANCE VALVE / INTER VALVE / FOURESS / R&D / DURGA ENGINEERING / SHIV DURGA / MAYUR / DALUI / R&D / SHIVA / UPADHAYA / BEW/ AFT/ PATSONS/ AVK / VAG /CALSENS/JUPITER/ RG (UPTO 200 mm)/ SIGMA (up-to200MM)/ KENNEDY(up-to 200MM)

Sand

LIST OF SPECIFIED MAKES (Updated up to 30/09/2017)

61.	DI Resilient (Soft) Seated KINETIC AIR VALVE	AVK / VAG / IVC / DVPL/ RG (UPTO 200 mm)/ KBL (UPTO 150 mm)/R&D (UP- to 200MM)/ KENNEDY(up-to 200MM) / SIGMA (up-to200MM)/ SHIVA (UPTO 200MM)/
62.	SLUICE GATE	JASH / BHARAT-INDUSTRIAL CORP./ ORIENTAL / FLUID CONTROLS
OTHER ITEMS		
63.	AIR CONDITIONERS (WINDOW):	VOLTAS LTD.(VOLTAS) / CARRIER AIRCON LTD (CARRIERS) / FEDDERS LLOYD./ AIRCON / BLUE STAR LTD. (BLUE STAR)
64.	AIR CONDITIONERS (MINI SPLIT):	VOLTAS LTD.(VOLTAS) / FEDDERS LLOYD./ AIRCON / BLUE STAR LTD. (BLUE STAR)
65.	BACK WASH BLOWER	KAY INTERNATIONAL / SWAM / EVERST / WEEPL/USHA/ACME
66.	BATTERY	EXIDE / STANDARD / FUKUWA / AMCO
67.	BATTERY CHARGER	SABNIFE POWER SYSTEM / CHHABIELECT/ UPTRON / AMCO /
68.	CHLORINATORS	INDUSTRIAL DEVICES PVT. LTD./ BANACO /IEC FABCAM LTD. / CHLOROCONTROL / TUSCON JESCO/ CONTROLMATIK ABW/SEACLORMAC/
69.	CHLORINE LEAKAGE DETECTION SYSTEM	METIJO
70.	COMPRESSOR FOR AIR VESSEL	ANGERSOL RAND / ELGI / CP
71.	DISMANTLING JOINTS (BELLOWS TYPE)	SUR INDUSTRIES / PRECISE / BELOFLEX
72.	DISMANTLING JOINTS (TELESCOPIC TYPE)	ORIENTAL / SHIV DURGA / SUR INDUSTRIES / DWRENIND. / MANGALA / QUALITECH / SYSTEC FLEXO PRODUCT / DURGA / MAYUR / SHIVA / BEW /
73.	ELECTRICAL ACTUATOR	ROTORK / LIMITORK / AUMA INDIA / MARSH / ENTROK / SD TORK/
74.	EMERGENCY DG SYSTEM ENGINE	KIRLOSKAR / KIRLOSKAR-CUMMINS/ GREAVES COTTON / CATER PILLAR / ASHOKA LEYLAND
75.	EXHAUST FAN	BAJAJ ELECTRICALS LTD. (BAJAJ) / GEC) / KHAITAN LTD. (KHAITAN) / JAI ENGG. WORKS.
76.	FLASH MIXURE	FABCO / PARAMOUNT / HDO / REMI
77.	INDICATING LAMPS	L&T/ BCH/ SIEMENS/ VAISHNO/ TECHNIC/ RASS/ C&S
78.	LIFTING MACHINES EOT CRANES:	EDDY CRANES ENGINEERS PVT. LTD. (EEPL) / ACME MANUFACTURES ENGINEERS (ACME) / M/S ROCKWELL HOIST CRANES PVT LTD. NEW DELHI / REWA / WH BRADDDY/ JAPS



LIST OF SPECIFIED MAKES (Updated up to 30/09/2017)

79.	LIFTING MACHINES HOIST.	EDDY CRANES / ACME / INDEX / JAPS
80.	LIGHTING FIXTURES	PHILIPS / BAJAJ / MYSORE LAMPS / GE APAR / HAVELLS
81.	MOULDED WATER STORAGE TANK	SYNTEX/ POLYCON/ POLYLAKE/ LAXMI ^R
82.	OUTDOOR LIGHTENING ARRESSTOR	ALPRO / OBLUM / IGE/ SKIPPER SEIL
83.	PAINTS	ASIAN / SHALIMAR / JENSON & NICHOLSON / GOODLAC NEROLAC/ ICL / BRITISH PAINT / CLEAN COATS
84.	PLC SCADA	ABB / HONEY WELL / SCHENIDGER / L&T / SIEMENS/ E&H/GE /PHOENIX CONTACT/FORBES MARSHALL/MITSUBISHI ELECTRIC/ OMRON/ TVASTAR
85.	PUSH BUTTON	L&T / BCH / SIEMENS / VAISHNO / TECHNIC / RASS / C&S
86.	SURGE CONTROL DEVICES (AIR VESSEL)	L&T / SHRIDHARAN / SURESEAL
87.	SURGE CONTROL DEVICES (ZVV)	SURESEAL / MANNEMANN MEER / MEGHA ENGINEERING / FLOWNIX
88.	TAPE COATING ON MS PIPE	LLOYD INSULATION/IWL / BITU-TECH / SEAL FOR LIFE/
89.	WEIGHING DEVICE. (BRIDGE WEIGHING DEVICE)	AVERY