



Office of the Chief Engineer(Technical) & Technical Member
Rajasthan Water Supply & Sewerage Management Board(PHED)
"JAL BHAWAN" 2-Civil Lines, Jacob Road, Jaipur-06
Phone 0141- 2222342 e-Mail:- rj_tm@nic.in

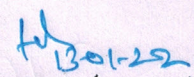
No.33/D&S /PHED/2021-22/()/ 3867-3904 Date: 13 / 01 /2022

Chief Engineer, PHED (Urban & NRW)/(R)/(SP)/(Admn.) Jaipur,
Chief Engineer, PHED (P) Jodhpur
Chief Engineer, PHED RRWS&FMP, GOGELAR PUMP HOUSE, NH-
89, PHED, Nagaur, (Rajasthan)
Additional 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 31.12.2021)

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.

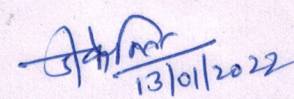
Up-dated list of specified makes/acceptable makes has been prepared and enclosed herewith; including the name of make of "M/S Indian Valve Private Limited" and "M/s AVK Valves India Pvt. Ltd" which was approved in 710th meeting of Technical Committee dated 01.11.2021. This up-dated list shall now be made part of tender documents of water supply projects/schemes of the department.


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

No.33/D&S /PHED/2021-22/()/ 3867-3904 Date: 13 / 01 /2022

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 PHED Circle(All)


Superintending Engineer (D & S)
PHED Jaipur

LIST OF SPECIFIED MAKES (Updated up to 31.12.2021)

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 / JYOTI/ STELMEC/ MEGAWIN/
3.	MOULDED CASE CIRCUIT BREAKER	SCHNEIDER / L&T/ C&S / SIEMENS / HAVELLS / ABB/BCH/MITSUBISHI/
4.	PROTECTION RELAYS	SCHNEIDER / ABB / SIEMENS / ER/ MEGAWIN/
5.	HRC FUSES	L&T / SIEMENS / ER / HAVELLS/MEGAWIN/
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/PARAMOUNT/CMI/
8.	LT CABLE	CCI / INCAB / UNISTAR / RPG / NICCO / HAVELLS / KEI/ DYNAMIC CABLES/POLYCAB/VISHAL/ZENIUM/TEMPSSENS/ PARAMOUNT/AEW/ CMI/ RR KABEL/RCC
9.	CONTROL CABLE	CCI / UNIVERSAL / FINOLEX / GEMSCAB / RPG / KEI / CORDS/ DYNAMIC CABLES /POLYCAB/ ZENIUM/ TEMPSSENS/PARAMOUNT/AEW/ CMI/ RR KABEL/RCC
10.	PVC LIGHTING WIRES	FINOLEX / RPG / GEMSCAB / KEI/ POLYCAB/ ZENIUM/TEMPSSENS/ PARAMOUNT/AEW / RR KABEL/RCC
<u>CENTRIFUGAL PUMPS</u>		
11.	DEWATERING / POLDAR PUMP	KBL / Wilo M+P / KSB / SU/ MBH/WPIL/JASCO/ SINTECH/AQUA/DELITE
12.	BACK WASH PUMPS	KIRLOSKAR / Wilo M+P / JYOTI / WPIL
13.	DOSE METERING PUMPS	ASIALMI / SWELORE / VK/SR
14.	SLUDGE / NON-CLOG SEWAGE PUMP	KIRLOSKAR / Wilo M+P / JYOTI / MBH/WPIL/ JASCO/ SINTECH/ AQUA/CRI/DELITE
15.	VT PUMPS	FLOWMORE / Wilo M+P / KBL / WPIL / JYOTI / AQUA /SINTECH(Up-to 250KW)/CRI(up-to 150KW)/
16.	HSC PUMPS	FLOWMORE / Wilo M+P / KBL / WPIL / JYOTI / LUBI / MAXFLOW (UPTO 45KW) / GRUNDFOS / JASCO(up-to 50KW)/ SINTECH(up-to 250KW)/

LIST OF SPECIFIED MAKES (Updated up to 31.12.2021)

		CRI(up-to 132 KW)/ ANDRITZ
17.	SUBMERSIBLE CENTRIFUGAL PUMP	AQUA/ MBH (UP-to 50KW)/WPIL(50KW TO 450KW) / JASCO(Up-to 50KW)/
FLOW METERS		
18.	ELECTROMAGNETIC FULL BORE TYPE FLOW METER	KROHNE MARSHALL / NIVO CONTROL / E&H / SIEMENS / RLT / SBEM / ABB/ ELECTRONET/ADEPT/AAROHI(up-to 300mm)/ MANAS(Up-to 400MM)
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)/RAHUL(50MM up-to and including 150 MM), FEDEREL(50MM up-to and including 300MM)/ BELANTO(50MM up-to and including 300MM)
MOTORS		
21.	H.T. MOTORS	KIRLOSKER ELECTRIC 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),MARATHON
22.	L.T. MOTOR	KEC/SIEMENS / ABB/NGEF/JYOTI/ LUBI (Up-to 150KW)/HAVELLS(Up-TO 200 KW)/JSL (Up-to 55KW), LHP, MARATHON
23.	INDUCTION MOTOR	KEC/ NGEF/ CGL/ BHEL/ SIEMENS / BHARAT BIJLEE(up-to 200KW)/MARATHON
PROCESS CONROL INSTRUMENTS		
24.	ALTERNATOR	KEC / JYOTI / AVK / CROMPTON
25.	ANNUCIATOR	MASIBUS / LECTROTEK / APLAB / MINILEC / PEACON /
26.	CAPACITOR	L&T/ YASH/ KHATAU JANKAR / UNISTAR/EPCOS/
27.	INDICATING METERS	AE / IMP / RISHAB/ E&H/ MILLBORN
28.	LEVEL INDICATOR	FORBES MARSHAL / YOKO GAWA / BELLS CONTROLS/ SBEM / E&H / RLT/ TECHTROL/ V.AUTOMAT/
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/PEPPERL&FUCHS/
31.	LEVEL SWITCH	FISHER ROSE MOUNT / HONEY WELL / SIEMENS / VEGA INSTRUMENT / KROHNE MARSHALL/ SBEM/ E&H / RLT/TECHTROL/V.AUTOMAT/
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 31.12.2021)

		V.AUTOMAT/FUJI
33.	MECHANICAL FLOW MIXER AND INDICATOR	SCHLUMBERGER (ACTRIES) / CAPSTAN
34.	METERING	AE / IMP / RISHAB/ E&H
35.	MULTI FUNCTION METERS	IMP/ SIEMENS / RISHAB / AE/MITSUBISHI
36.	NOISE METER	CYGNET
37.	PRESSURE GAUGE	BELLS CONTROLS/ JN MARSHAL / H GURU / MANOMETER INDIA/ WIKA
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 / SIEMENS/ E&H / RLT/ELECTRONET/FUJI/ WIKA
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/ MEGAWIN/
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/JSL/CORONET/RISHA/BCH/ENERLEC/VASU AUTOMATION/BECO/INDEXEL/ RHYTHM /SIA
45.	CONTACTORS	ABB / L&T / C&S / SIEMENS / BCH / HAVELLS / DIVYA/ MEGAWIN/MITSUBISHI
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)/SWASTIK(Up-to 5MVA)/INDIAN(up-to 5MVA)/ POWERLITE(up-to 5 MVA)/

LIST OF SPECIFIED MAKES (Updated up to 31.12.2021)

48.	33 OR 6.6/ .433 KV AUXILIARY TRANSFORMER	ABB / CGL / ALSTOM / BHARAT- BIJLEE / KIRLOSKAR / UTTAM (BHARAT) / VOLTAMP / VARDHMAN /ELECTRO – MECH/ SKIPPER/FTS/ SWASTIK/INDIAN/MARSONS/UNITED/POWERLITE
49.	CURRENT TRANSFORMERS (CT)	ABB / BHEL / KAPPA / SKIPPER SEIL/JSL/ MEGAWIN/
50.	POTTENTIAL TRANSFORMERS (PT)	ABB/ BHEL/ KAPPA / SKIPPER SEIL/JSL/ MEGAWIN/
VALVES		
51.	AUTOMATIC FLOW CONTROL VALVE	DARLING MUESCO, VAG,KENNEDY/ T.I.S NUOVAL/R&D(Axial Flow Control Valve Plunger Type) /AIRA-SUZHUK/IVC (Plunger Type up-to 1600mm)/ AVK(Plunger Type and Diaphragm Type up-to 300mm)
52.	PRESSURE REDUCING VALVES	DARLING MUESCO, VAG,KENNEDY/ T.I.S NUOVAL / AIRA-SUZHUK/IVC (Diaphragm Type up-to 600mm)/AVK (Diaphragm Type up-to 400 mm)
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/CALSENS/ RG (UPTO 600 mm)/SIGMA (up-to 800MM)/KENNEDY(up-to 1200MM)/ LP(Cast Iron Pn 1.0 and Pn 1.6 up-to 300 MM)/CRI(up-to300MM)
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- to700MM)/ KENNEDY(up-to 2400MM)/CRI(Up-to600MM)/DALUI(up-to 2000MM)
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(DI up-to 2400MM Pn1.0 and Pn1.6)/ KRANTI(up-to 200MM, CI)/ LP (CAST IRON Pn 1.0 and Pn 1.6 UP-TO 300MM)/CRI(up-to 300MM)
56.	DI Resilient (Soft) Seated SLUICE VALVE	SIGMA (UP-TO 1000MM Pn 1.0 and Pn 1.6)/ AVK / VAG/ JUPITER (UPTO 450MM)/SACHDEVA (UP-TO 1000MM) / SHIVA (UPTO 700MM Pn 1.0 and Pn1.6) / MAYUR (UPTO 300MM) / IVC / DVPL / KARTAR (UPTO 600MM)/ KBL (UP-TO 1300 mm)/R&D(up-to 900MM Pn1.0 and up-to 300MM Pn1.6)/ KENNEDY(up-to 1200MM Pn1.0 and Pn1.6)/CRI(up-to 600MM)/DALUI(up-to 1200MM)/BEW(up-to600MM),UPADHAYA(UP-TO 600MM)/LP(UP-TO300MM Pn1.0 and Pn1.6)/
57.	DOUBLE PLATE CHECK VALVE	ADVANCE / KBL / IVC / R&D /DURGA / MAYUR / DALUI / PATSONS / VAG/ KENNEDY(up-to 800MM)/BEW(up-to400MM)/ SHIVA(up-to 600MM)/SIGMA(UP-TO 300MM)
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

LIST OF SPECIFIED MAKES (Updated up to 31.12.2021)

		(UPTO 600MM) / AVK / SHIVA (UPTO 600MM) / UPADHAYA / BEW (UPTO 300MM) / PATSONS/ VAG / SACHDEVA (UPTO 1200 MM)/ CALSENS/HARI (UPTO 250MM)/ RG (UP-TO 600mm)/RAMESH(Up-to 250MM)/SIGMA(800MM)/KENNEDY(up-to 600MM)/KRANTI (Up-To 150MM CI)/LP(UP-TO 300MM)
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))/DALUI(up-to 800MM)
60.	KINETIC AIR VALVE	KIRLOSKAR BROTHER LTD. / INDIAN VALVE COMPANY / ADVANCE VALVE / INTER VALVE / FOURESS / R&D / DURGA ENGINEERING / SHIV DURGA / MAYUR / DALUI / SHIVA / UPADHAYA / BEW/ AFT/ PATSONS/ AVK / VAG /CALSENS/JUPITER/ RG (UPTO 200 mm)/SIGMA (up-to200MM)/ KENNEDY(up-to 200MM) / CRI(up-to 200MM)
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)/DALUI(up-to200MM)/BEW(up-to150MM) / CRI(up-to 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 / EVEREST / WEEPL/USHA/ACME
66.	BATTERY	EXIDE / STANDARD / FUKUWA / AMCO
67.	BATTERY CHARGER	SABNIFE POWER SYSTEM / CHHABIELECT/ UPTRON / AMCO /ELECTRONIC SYSTEM
68.	CHLORINATORS	INDUSTRIAL DEVICES PVT. LTD./ BANACO /IEC FABCAM LTD./ CHLOROCONTROL / TOSHCON / CONTROLMATIK ABW/SEACLORMAC/CHLORO TECH/PRISTINE/ZION
69.	CHLORINE LEAKAGE DETECTION SYSTEM	METIJO
70.	COMPRESSOR FOR AIR VESSEL	ANGERSOL RAND / ELGI / CP
71.	DISMANTLING JOINTS (BELLOWS TYPE)	SUR INDUSTRIES / PRECISE / BELOFLEX/BEW/SHIVA
72.	DISMANTLING JOINTS (TELESCOPIC TYPE)	ORIENTAL / SHIV DURGA / SUR INDUSTRIES / DWRENIND. / MANGALA / QUALITECH / SYSTEC FLEXO PRODUCT / DURGA / MAYUR / SHIVA / BEW / ANANT/BELOFLEX

LIST OF SPECIFIED MAKES (Updated up to 31.12.2021)

73.	ELECTRICAL ACTUATOR	ROTORK / LIMITORK / AUMA INDIA / MARSH / ENTROK / SDTORK/CAIR
74.	EMERGENCY DG SYSTEM ENGINE	KIRLOSKAR / KIRLOSKAR-CUMMINS / GREAVES COTTON / CATER PILLAR / ASHOKA LEYLAND/MAHENDRA POWEROL/
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 BRADY/ JAPS
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/ LAXMIR/VECTUS/
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 / SCHNEIDER / L&T / SIEMENS/ E&H/GE /PHOENIX CONTACT/FORBES MARSHALL/MITSUBISHI ELECTRIC/ OMRON/ TVASTAR/FUJI/ DELTA
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

3