



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

No: 12/ D&S /PHED/2024-25/Approval/ 00028

Dated: /08/2024

Chief Engineer, PHED
U&NRW / Rural /SP /Admn. / JJM / QC, Jaipur
Project, Jodhpur / JICA,Jaipur

Additional Chief Engineer , PHED
Region -----All

Subject: "List of Specified Makes" of various items to be used in Water Supply Projects / Schemes of PHED, Rajasthan (Up-dated Up-to 24.06.2024)

Reference: This office Letter no. 12/D&S /PHED/2023-24/ Rajkaj no. 8308296 dated 24.06.2024.

The "List of Specified Makes" of various items, circulated vide above referred letter has been amended / modified as per following decisions:

1. Change in name of Make "L&T" to Make "**Lauritz Knudsen**" for all Electrical and Automation items as approved vide Rajkaj no. 8702576 dated 08.07.2024.
2. Deletion of "KENNEDY" make for various types of valves, manufactured by M/s McWane Inida Private Limited, Coimbatore as approved vide Rajkaj no. 9470983 dated 01.08.2024
3. Deletion of Make "MBH" and "JASCO" for various types of Pumps from the "List of Specified Makes" / previously approved items, as approved vide Rajkaj no. 7137342 dated 13.05.2024 and 7573461 dated 29.05.2024 respectively.

The "List of Specified Makes" amended / modified as above is enclosed herewith for further necessary action.

This up-dated list shall now be made part of all future tender documents of water supply schemes / projects of the department and the specified makes in the list shall be applicable in all future QAPs to be approved in ongoing / already awarded works to synchronize the "Makes" as applicable as on date.

The above list is subjected to modification / amendments as per further decisions of Technical Committee.

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

RajKaj Ref
9545128



Copy to following:-

1. SA to Hon'ble Minister , PHED & GWD Govt. of Rajasthan, Jaipur
2. PS to Secretary to GoR, PHED &GWD, Jaipur
3. PS to Mission Director, JJM, PHED, Jaipur
4. FA & CAO, RWSSMB, PHED, Jaipur.
5. Secretary, RWSSMB, PHED, Jaipur.
6. Superintending Engineer, PHED, Circle(All)

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

"LIST OF SPECIFIED MAKES" of PHED Rajasthan (Updated up to 01.08.2024)

SN	PARTICULARS OF ITEMS/ EQUIPMENTS	SPECIFIED MAKES	
		Previously Approved	New Approved as per Marking Pattern / Eligibility Criteria
<u>BREAKER & RELAY</u>			
1.	HIGH VOLTAGE DOUBLE BRAKE ISOLATOR WITH OR WITHOUT EARTH BRAKER	ATLAS / ABB / ELPRO / PRACTIL / SKIPPER SEIL	
2.	VACCUM CIRCUIT BRAKER (HT)	ABB / BHEL / CGL / SCHNEIDER / JYOTI/ STELMEC/ MEGAWIN/	
3.	MOULDED CASE CIRCUIT BREAKER	SCHNEIDER / LAURITZ KNUDSEN / C&S / SIEMENS / HAVELLS / ABB/BCH/MITSUBISHI/	
4.	PROTECTION RELAYS	SCHNEIDER / ABB / SIEMENS / ER/ MEGAWIN/	
5.	HRC FUSES	LAURITZ KNUDSEN / SIEMENS / ER / HAVELLS/MEGAWIN/	
<u>CABLES & WIRES</u>			
6.	HT CABLE	CCI / UNISTAR / RPG / HAVELLS / KEI/ DYNAMIC CABLES/POLYCAB/PARAMOUNT/ CMI/	GEMSCAB /
7.	LT CABLE	CCI / INCAB / UNISTAR / UNIVERSAL/ FINOLEX/ RPG / NICCO / HAVELLS / KEI/ CORDS/ DYNAMIC CABLES/POLYCAB/VISHAL/ZENI UM/TEMPSSENS/ PARAMOUNT/AEW/ CMI/ RR KABEL/RCC	GEMSCAB / VIN POWER / PARAFLEX/ AXELON
8.	PVC LIGHTING WIRES	FINOLEX / RPG / GEMSCAB / KEI/ POLYCAB/ ZENIUM/TEMPSSENS/ PARAMOUNT/AEW / RR KABEL/RCC	VIN POWER / PARAFLEX / AXELON
<u>CENTRIFUGAL PUMPS</u>			
9.	BACK WASH PUMPS	KIRLOSKAR / Wilo M+P / JYOTI / WPIL	
10.	HSC PUMPS	FLOWMORE / Wilo M+P / KBL / WPIL / JYOTI / LUBI / ANDRITZ (UPTO 45KW) / GRUNDFOS / SINTECH(up-to 250KW)/ / ANDRITZ	KSB (Up to 100KW) / CRI (up-to 900 KW) / XYLEM (Up-to 2500 KW)/
11.	VT PUMPS	FLOWMORE / Wilo M+P / KBL / WPIL / JYOTI / AQUA /	CRI (up-to 1000 KW) / XYLEM (Up-to 5500 KW)/

RajKai Ref
8545128

		SINTECH(Up-to 250KW)/	
12.	MONO-BLOCK PUMPS		
<u>SUBMERGED CENTRIFUGAL PUMPS (Dry Motor Type)</u>			
13.	SUBMERSIBLE CENTRIFUGAL PUMP	AQUA/ WPIL(50KW TO 450KW)	XYLEM (Up-to 1000 KW) / KBL (up-to 400 KW) /
<u>FLOW METERS</u>			
14.	ELECTROMAGNETIC FULL BORE TYPE FLOW METER	KROHNE MARSHALL / NIVO CONTROL / E&H / SIEMENS / RLT / SBEM / ABB/ ELECTRONET/ADEPT/AAROHI(up-to 300mm)/	ATLANTECH (upto 500mm) / MANAS (upto 1000mm)
15.	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)/	
16.	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)	
<u>MOTORS</u>			
17.	H.T. MOTORS	KIRLOSKER ELECTRIC CO. LTD. (KEC.) / SIEMENS INDIA LTD. (SIEMENS) / CROMPTON GREAVES LTD. / 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	
18.	L.T. MOTOR	KEC/SIEMENS / ABB/NGEF/JYOTI/ LUBI (Up-to 150KW)/HAVELLS(Up-TO 200 KW)/JSL (Up-to 55KW) / LHP/ BHARAT BIJLI (upto 200KW)/ MARATHON / CGL RajKaj Ref 9545128	
<u>PROCESS CONROL INSTRUMENTS</u>			
19.	CAPACITOR	LAURITZ KNUDSEN / YASH/	

		KHATAU JANKAR / UNISTAR/EPCOS/	
20.	INDICATING METERS	AE / IMP / RISHAB/ E&H/ MILLBORN	
21.	LEVEL SENSORS WITH TRANSMITTER(CAPACITAN CE TYPE)	LEVCON / TOSHNIWAL / PUNE TECHTROL/ SBEM / E&H / RLT	
22.	LEVEL SENSORS WITH TRANSMITTER (ULTRA SONIC TYPE)	FISHER ROSE MOUNT / HONEY WELL / VEGA INSTRUMENT/ KROHNE MARSHALL / SIEMENS / SBEM / E&H / RLT/PEPPERL&FUCHS/ ELECTRONET/ TECHTROL/ V>AUTOMAT/ FUJI	
23.	MULTI FUNCTION METERS	IMP/ SIEMENS / RISHAB / AE/MITSUBISHI	
24.	PRESSURE GAUGE	BELLS CONTROLS/ JN MARSHAL / H GURU / MANOMETER INDIA/ WIKA	
25.	PRESSURE TRANSMITER WITH SENSOR	FISHER ROSE MOUNT/ HONEY WELL / FOX BORO / BDO FORBES MARSHAL/ YOKO GAWA / SIEMENS/ E&H / RLT/ELECTRONET/FUJI/ WIKA/BELLS CONTROL	
<u>SWITCHGEAR & SWITCHGEAR PANELS</u>			
26.	33KV SWITCHYARD CONTROL PANEL	LAURITZ KNUDSEN / SIEMENS / SCHNEIDER	
27.	HIGH VOLATGE SWITCHGEAR & CONTROL GEAR PANEL	SCHNEIDER / ABB / SIEMENS / LAURITZ KNUDSEN / C&S / CGL/ HT SWITCHGEARS/ SWATI SWITCHGEARS/PCE/ MEGAWIN/	
28.	LOW VOLATGE SWITCHGEAR & CONTROL GEAR PANEL (Above 250 Amp)	SCHNEIDER / LAURITZ KNUDSEN / C&S / SIEMENS / HAVELLS/ DYNAMIC / GK MARKETING / DIVYA/ HT SWITCHGEARS/ SWATI SWITCHGEARS / ENGINEERS & ENGINEERS/ MILLBORN/ SUN	LS POWER CONTROL /
29.	LOW VOLATGE SWITCHGEAR & CONTROL GEAR PANEL (upto and including 250 Amp)	AUTOMAT/ JOHNS ELECTRIC/NISH TECHNO PROJECTS/ICAM /PCE/PYROTECH/POWERTECH/ POPULAR/JSL/CORONET/RISHA/BC H/ENERLEC/VASU AUTOMATION/BECO/INDEXEL/ RHYTHM /SIA	LS POWER CONTROL / HPL
30.	CONTACTORS	ABB / LAURITZ KNUDSEN / C&S / SIEMENS / BCH / HAVELLS / DIVYA/ MEGAWIN/MITSUBISHI	

RajKaj Ref

9545128

TRANSFORMERS

31.	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)/	URJA (Up-to 8 MVA) / VOLTECH (VMC) (Up-to 20MVA
32.	DISTTIBUTION TRANSFORMER	ABB / CGL / ALSTOM / BHARAT-BIJLEE / KIRLOSKAR / UTTAM (BHARAT) / VOLTAMP / VARDHMAN /ELECTRO – MECH/ SKIPPER/FTS/ SWASTIK/INDIAN/MARSONS/UNIT ED/POWERLITE	URJA (Up-to 500 KVA) / VOLTECH (VMC) (Up-to 2500 KVA) /
33.	CURRENT TRANSFORMERS (CT)	ABB / BHEL / KAPPA / SKIPPER SEIL/JSL/ MEGAWIN/	
34.	POTTENTIAL TRANSFORMERS (PT)	ABB/ BHEL/ KAPPA / SKIPPER SEIL/JSL/ MEGAWIN/	

FLOW CONTROL & PRESSURE REDUCING VALVES

35.	FLOW CONTROL VALVE (PLUNGER TYPE)	VAG/ T.I.S NUOVAL/ R&D(Axial Flow Control Valve Plunger Type) / AIRA-SUZHIK /	IVC (up-to 1600mm)/ AVK (up-to 2200 MM)
36.	FLOW CONTROL VALVE (DIAPHRAGM TYPE)	DARLING MUESCO/ VAG / T.I.S NUOVAL/ AIRA-SUZHIK /	AVK (up-to 600mm)
37.	PRESSURE REDUCING VALVES (DIAPHRAGM TYPE)	DARLING MUESCO/ VAG/ T.I.S NUOVAL / AIRA-SUZHIK/	IVC (up-to 600mm)/ AVK (up-to 600 mm)

VALVES Other Than FCV & PRV

38.	BUTTER FLY VALVE	KIRLOSKER BROTHER LTD / INDIAN VALVE COMPANY/ FOURESS ENGINEERING / ADVANCE / MAYUR/ DURGA ENGG / DALUI / JUPITER / KARTAR (UPTO 250MM) / AVK / UPADHAYA / MARCK (UPTO 600MM)/ VAG/ RG (UPTO 600 mm)/SIGMA / LP(Cast Iron Pn 1.0 and Pn 1.6 up-to 300 MM)/CRI(up-to600MM)/DVPL/ SHIVA(up-to700MM)	R&D (up-to and including 3600mm PN- 1.0/1.6) / INFRA (up-to 1800 mm PN- 1.0 & PN- 1.6) / CAIR (up-to DN 1200 mm PN- 1.0 & up-to DN 300 mm PN- 1.6) /
39.	METAL SEATED SLUICE VALVE	KIRLOSKAR BROTHERS LTD., PUNE / INDIAN VALVE COMPANY/ FOURESS ENGINEERING / DURGA ENGINEERING / SHIV DURGA / MAYUR / DALUI / JUPITER (UPTO1200MM) / KARTAR (UPTO	AARKO (Cast Iron, 50mm up-to and including 600mm-PN 1.0/1.6) / R&D (up-to and including 1800mm- PN 1.0/1.6) / INFRA (up-to 1200 mm PN- 1.0 & up-to 600 mm PN- 1.6) /

		600MM) / AVK / SHIVA (UPTO 600MM) / UPADHAYA / BEW (UPTO 300MM) / VAG / SACHDEVA (UPTO 1200 MM)/ 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)/ KRANTI(up-to 200MM, CI)/ LP (CAST IRON Pn 1.0 and Pn 1.6 UP-TO 300MM)/CRI(up-to 300MM)	CAIR (up-to DN 300 mm PN- 1.6) /
40.	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) / CRI(up-to 600MM)/DALUI(up-to 1200MM)/BEW(up-to600MM),UPADHAYA(UP-TO 600MM)/LP(UP-TO300MM Pn1.0 and Pn1.6)/	AARKO (50mm up-to and including 300mm PN- 1.0/1.6) / R&D (up-to and including 1200mm PN- 1.0/1.6) / INFRA (up-to 1000 mm PN- 1.0 & PN- 1.6) / CAIR (up-to DN 450 mm PN- 1.6) /
41.	DOUBLE PLATE CHECK VALVE	ADVANCE / KBL / IVC / DURGA / MAYUR / DALUI / VAG/ BEW(up-to400MM)/ SHIVA(up-to 600MM)/SIGMA(UP-TO 300MM)	R&D (up-to and including 2400mm PN- 1.0/1.6) / INFRA (up-to 1600 mm PN- 1.0 & PN- 1.6)
42.	NON RETURN VALVE (SWING CHECK VALVE)	KIRLOSKAR BROTHERS LTD., PUNE / INDIAN VALVE COMPANY/ FOURESS ENGINEERING / DURGA ENGINEERING/ SHIV DURGA / MAYUR / DALUI / JUPITER (UPTO1200MM) / KARTAR (UPTO 600MM) / AVK / SHIVA (UPTO 600MM) / UPADHAYA / BEW (UPTO 300MM) / VAG / SACHDEVA (UPTO 1200 MM)/ HARI (UPTO 250MM)/ RG (UP-TO 600mm)/RAMESH(Up-to 250MM)/SIGMA(800MM)/ KRANTI (Up-To 150MM CI)/LP(UP-TO 300MM)/DVPL	AARKO (Cast Iron ,50mm up-to and including 300mm PN- 1.0 and 50mm up-to and including 125 mm PN-1.6) / R&D (up-to and including 2200mm PN- 1.0/1.6) / INFRA (up-to 600 mm PN- 1.0 & PN- 1.6) / CAIR (up-to DN 500 mm PN- 1.0 & PN- 1.6) /
43.	KINETIC AIR VALVE	KIRLOSKAR BROTHER LTD. / INDIAN VALVE COMPANY / ADVANCE VALVE / INTER VALVE / FOURESS / DURGA ENGINEERING / SHIV DURGA / MAYUR / DALUI / SHIVA / UPADHAYA / BEW/ AVK / VAG / JUPITER/ RG (UPTO 200 mm)/SIGMA (up-to200MM)/ CRI(up-to 200MM)/ DPVL/	R&D (up-to and including 300mm PN- 1.0/1.6) / INFRA (up-to 200 mm PN- 1.0 & PN- 1.6) / CAIR (up-to DN 200 mm PN- 1.0 & PN- 1.6)
44.	SINGLE CHAMBER		

	DOUBLE ORIFICE TRIPLE FUNCTION KINETIC AIR VALVE		
45.	CI/SS SLUICE GATE	JASH / BHARAT INDUSTRIAL CORP./ ORIENTAL / FLUID CONTROLS	
<u>OTHER ITEMS</u>			
46.	DOSE METERING PUMPS	ASIALMI / SWELORE / VK/SR	
47.	BACK WASH BLOWER	KAY INTERNATIONAL / SWAM / EVEREST / WEEPL/USHA/ACME	
48.	BATTERY	EXIDE / STANDARD / FUKUWA / AMCO	
49.	ELECTRO-CHLORINATORS	IEC FABCAM LTD./ TOSHCON / SEACLORMAC/PRISTINE/ZION	
50.	VACUUM FEED-CHLORINATORS	INDUSTRIAL DEVICES PVT. LTD./ BANACO /IEC FABCAM LTD./ CHLOROCONTROL / TOSHCON/ CONTROLMATIK ABW/CHLORO TECH	
51.	COMPRESSOR FOR AIR VESSEL	ANGERSOL RAND / ELGI / CP	
52.	DISMANTLING JOINTS (BELLOWS TYPE)	SUR INDUSTRIES / PRECISE / BELOFLEX/BEW/SHIVA	
53.	DISMANTLING JOINTS (TELESCOPIC TYPE)	ORIENTAL / SHIV DURGA / SUR INDUSTRIES / DWRENIND. / MANGALA / QUALITECH / SYSTEC FLEXO PRODUCT / DURGA / MAYUR / SHIVA / BEW / ANANT/BELOFLEX / PRECISE	
54.	ELECTRICAL ACTUATOR	ROTORK / LIMITORK / AUMA INDIA / MARSH / ENTROK / SDTORK/CAIR	
55.	EMERGENCY DG SYSTEM ENGINE	KIRLOSKAR / KIRLOSKAR-CUMMINS / GREAVES COTTON / CATER PILLAR / ASHOKA LEYLAND/MAHENDRA POWEROL/	
56.	EXHAUST FAN	BAJAJ ELECTRICALS LTD. (BAJAJ) / GEC) / KHAITAN LTD. (KHAITAN) / JAI ENGG. WORKS.	
57.	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	
58.	LIFTING MACHINES HOIST.	EDDY CRANES / ACME / JAPS	
59.	LIGHTING FIXTURES	PHILIPS / BAJAJ / MYSORE LAMPS / GE APAR / HAVELLS	

**RajKaj Ref
9545128**

60.	MOULDED WATER STORAGE TANK (PE)	SYNTEX/ POLYCON/ POLYLAK/ LAXMIR/VECTUS/	
61.	PAINTS	ASIAN / SHALIMAR / JENSON & NICHOLSON / GOODLAC NEROLAC/ ICL / BRITISH PAINT / CLEAN COATS	
62.	PLC SCADA	ABB / HONEY WELL / SCHNEIDER / LAURITZ KNUDSEN / SIEMENS/ E&H/GE /PHOENIX CONTACT/FORBES MARSHALL/MITSUBISHI ELECTRIC/ OMRON/ TVASTAR/FUJI/ DELTA	
63.	SURGE CONTROL DEVICES (AIR VESSEL)	L&T / SHRIDHARAN / SURESEAL	
64.	SURGE CONTROL DEVICES (ZVV)	SURESEAL / MANNEMANN MEER / MEGHA ENGINEERING / FLOWNIX	
65.	TAPE COATING ON MS PIPE	LLOYD INSULATION/ IWL / BITU-TECH / SEAL FOR LIFE/	
66.	PP INTEGRATED SADDLE – (with in-built SS Flow control valve and a compression elbow both Moulded in single piece or Fusion welded)	Not available	MANJEERA (M/s A&A Corporation) [Moulded in single piece Type] / TOPLINE (M/s Cristia Polytech Pvt. Ltd.) [Fusion Type] / STARLINE (M/s Sainath Polymers) [Fusion Type] / AIVA (M/s Aiva Engineering Pvt. Ltd., Mumbai) [Fusion Type] / UNIFLOW (M/s Hemant Aqua Solutions Pvt.Ltd.) [Moulded in single piece Type] / PRESTO (M/s Al-Aziz Plastics Pvt.Ltd.) [Fusion Type] / BENTLAY (M/s Bentlay Fittings Ltd.) [Moulded in single piece Type]