

MANDATORY SPARES

S.NO.	ITEM DESCRIPTION	QUANTITY
1	Plot Relay	1 set for each valve
2	Actuator Diaphragm	1 no.for each valve
3	Feedback Linkage	1 no.for each valve
4	Smart Positioners	10% of total quantity of each model / type
5	I/P Converters (if any)	10% of total quantity or minimum 15 nos.
6	Complete Consumables for Valve Viz. O-ring, Gland Packing, Packing Ring, Bonnet Seal etc	2 Sets each size, rating, type
7	Valve Disc	2 Sets each size, rating, type
8	Valve Spindle	2 Sets each size, rating, type
9	Valve Seat	2 Sets each size, rating, type
10	Bush	2 Sets each size, rating, type
11	Guide	2 Sets each size, rating, type
12	Guide Bush	2 Sets each size, rating, type
13	Coupling Nut	2 Sets each size, rating, type
14	Actuator Piston with Rod & Seal	2 Sets each size, rating, type
15	Control valve stem packing and spare operator moulded rubber diaphragms	1 set for each size, rating, type
16	Valve trim (including cage, plug, stem, seat rings, guide bushings etc.) for each of the control valves as offered.	1 set for each size, rating, type
17	Solenoid valves, position transmitters, limit switches, I/P convertors etc of each type	10% of total Quantity spare with minimum 1 no. for each size, rating, type
18	Bonnet for Low load feed control valve (FDV-8)	1 no.