- Drilling bits:Journal bearing bits
- Down hole drilling equipment:
 Fishing tools, Drill collars, Handling tools, etc.
- Down hole production equipment:
 Packers, Hydraulically activated connectors, etc.
- Blow-out preventors

7. SUMMARY OF ONGC'S EQUIPMENT NEEDS DURING 1990-95

(All figures in millions of Canadian dollars)

Equipment Category	Value
Oil field services and production equipment required for oilfield operations inclusive of workover rigs, drill pipes, blow-out preventors etc.	3285
Drilling equipment	1429
Oilfield chemicals	377
Exploration requirements including digital seismic units, open hole logging units, CDP seismic cables	
2018 CARREST AND	5277

Major items in each of the above categories for which foreign know-how is required in the form of technology inputs or imports are:

Details of Production Equipment

(All figures in millions of Canadian dollars)

Sr. No.	Description	Planned Quantity	Planned Value	
1.	Well Platform Pumps:	error and Jeson Spiriton spirit		
	Salt Water Pumps	75	15.0	
	Crude Injection Pumps	60	0.6	
	Sump Caissons	60	0.6	
2.	Production Testing & Utility Gas Systems:			
	Test Separators	60	12.0	
	Inlet Manifold Skids	16	8.5	
	Instrument & Utility Gas Systems	60	3.0	
	Ball Valves	20000	4.8	
	Shutdown valves	400	3.0	
	Self Actuated Pressure Control Valves	600	2.1	

Continued....