



National Centre for Physics
Detailed specification Document

Annex-A-196

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S#	Title of the Project	Single stage steam turbine		
		Specification	A/U	QTY
	Item			
1.	Shaft	Length(300mm), Dia (25mm), SS		1
2.	Generator	1.8KW DC Generator		1
3.	Shaft Coupler	25X25 mm bore, L=58mm, OD= 53mm		1
4.	Seals	Copper gasket OD=220, IN=203, t=2mm		2
5.	Silicon sealant	Mega Grey OEM Silicone 85g		2
6.	Bearing	Ball bearing, ID 25mm, High speed		6
7.	Inverter	1KW inverter		1
8.	Nuts& bolts	M20, pitch 1.5		12
9.	Nuts& bolts	M16, pitch 1.5		12
10.	Nuts& bolts	M10, pitch 1.5		10
11.	Nuts& bolts	M5, pitch 1.5		15
12.	Piping	Copper pipe 1/4in L= 2ft		2
13.	Elbows	Copper 1/4in		3
14.	Starter	Starter mechanism (Self-start CG 125)		1
15.	Pressure sensor	160bar pressure		2
16.	Temperature sensor	n-type thermocouple + Max 6675		2
17.	Pressure control valve	1/4in valve		2
18.	Metal powder	SS316L	Kg	20

Note: All the components installed should be compatible with the system and each other.

Please tick the relevant box

☐ Installation

☐ Testing

☐ Commissioning

☐ Training

☐ Warranty requirement Any other please specify _____