

ANNEXURE-9

LIST OF EQUIPMENT LOT-5

Sl. No.	Description	Quantity Nos	Recommended Make
1	DGA kit	1	GE/Energy support/Qualitrol

ANNEXURE-10

1. TECHNICAL SPECIFICATION FOR DGA TEST KIT

Sr. No	Specification	Yes/ No
1	Fully automatic measurement procedure	
2	Automatic sample injection	
3	Suitable for Acceptance and service/routine tests	
4	Automatic fault diagnosis	
5	Direct Buchholz gas analysis	
6	For on-site and laboratory analysis	
7	Degassing and analysis according to standard	
8	Integrated expert system (IEC 599, Roger's ratios, Duval triangle ...)	
9	Optional full vacuum degassing	
10	Rugged case – waterproof for extreme environmental conditions	
11	Gas chromatograph, portable with internal carrier and burning gas supply	
12	Detection of 11 gases (according to ASTM 3612 / IEC 567)	
13	2 capillary columns in separately heated oven cassettes	
14	Flame Ionisation Detector (FID)	
15	Thermal Conductivity Detector (TCD)	
16	Automatic sample loop	
17	Windows based software with integrated expert system	
18	Accuracy, Repeatability, Re-produceability according to ASTM 3612 / IEC 567 or better	
19	Automatic Partial vacuum degassing according to standard	
20	Detection Ranges	
	H ₂	1 ppm
	CO	0.2 ppm
	CO ₂	0.2 ppm
	CH ₄	0.1 ppm
	C ₂ H ₂	0.1 ppm
	C ₂ H ₄	0.1 ppm
	C ₂ H ₆	0.1 ppm
	O ₂	30 ppm
	N ₂	30 ppm