

**Technical Specifications for flowmeter for the indent No. 2011049E****Annexure-B**

<b>Sl.No</b>	<b>Description</b>	<b>BHEL's Specification</b>	<b>Vendor's Specification</b>	<b>Deviation if any</b>
1	Type of Gas	LPG Vapor		
2	Make/Model	Burak/BA-800 or equivalent		
3	Flow range	5 to 100 kg/hr		
4	Flow unit selection	kg/hr, Nm3/hr,SCFM,SLPM		
5	Flowmeter display	Digital		
6	Pipeline OD	49 mm		
7	Meter size	1.5"		
8	Fluid pressure range	1.5 to 2.5 bar		
9	Rate of Flow	Pulsating		
10	Mesuring medium temperature	15 to 40 Deg Centigrade		
11	Available power supply	Single phase, 230V,50 Hz		
12	Communication	RS485 Modbus RTU or Equalent		
13	Connection	Flanged end preferably & counter flanges is also to be provided.		
14	Measurement accuracy	2% on both sides instantanious and totalizer.		
15	Measurement (Totalizer)	Instantaneous and totalizer. For totalizer Between given period		
16	Encloser protection	IP 67, Explosion Proof		
17	Material of construction	Rust proof material to be used for all parts.		
18	Short description	LPG vapour flow meter for 49 mm pipe		
19	Material code	IM8307260005		

**Technical Specifications for flowmeter for the indent No. 2011049E****Annexure-A**

<b>Sl.No</b>	<b>Description</b>	<b>BHEL's Specification</b>	<b>Vendor's Specification</b>	<b>Deviation if any</b>
1	Type of Gas	LPG Vapor		
2	Make/Model	Burak/BA-800 or equivalent		
3	Flow range	09 to 300 kg/hr		
4	Flow unit selection	kg/hr, Nm3/hr,SCFM,SLPM		
5	Flowmeter display	Digital		
6	Pipeline OD	62 mm		
7	Meter size	2"		
8	Fluid pressure range	1.5 to 2.5 bar		
9	Rate of Flow	Pulsating		
10	Mesuring medium temperature	15 to 40 Deg Centigrade		
11	Available power supply	Single phase, 230V,50 Hz		
12	Communication	RS485 Modbus RTU or Equalent		
13	Connection	Flanged end preferably & counter flanges is also to be provided.		
14	Measurement accuracy	2% on both sides instantanious and totalizer.		
15	Measurement (Totalizer)	Instantaneous and totalizer. For totalizer Between given period		
16	Encloser protection	IP 67, Explosion Proof		
17	Material of construction	Rust proof material to be used for all parts.		
18	Short description	LPG vapour flow meter for 62 mm pipe		
19	Material code	IM8307260004		

**Technical Specifications for flowmeter for the indent No. 2011049E****Annexure-C**

<b>Sl.No</b>	<b>Description</b>	<b>BHEL's Specification</b>	<b>Vendor's Specification</b>	<b>Deviation if any</b>
1	Type of Gas	Oxygen Gas		
2	Make/Model	Burak/BA-800 or equivalent		
3	Flow range	5 to 100 Nm <sup>3</sup> /hr		
4	Flow unit selection	kg/hr, Nm <sup>3</sup> /hr,SCFM,SLPM		
5	Flowmeter display	Digital		
6	Pipeline OD	49 mm		
7	Meter size	1.5"		
8	Fluid pressure range	2 to 6 bar		
9	Rate of Flow	Pulsating		
10	Mesuring medium temperature	15 to 40 Deg Centigrade		
11	Available power supply	Single phase, 230V,50 Hz		
12	Communication	RS485 Modbus RTU or Equalent		
13	Connection	Flanged end preferably & counter flanges is also to be provided.		
14	Measurement accuracy	2% on both sides instantanious and totalizer.		
15	Measurement (Totalizer)	Instantaneous and totalizer. For totalizer Between given period		
16	Encloser protection	IP 67, Explosion Proof		
17	Material of construction	Rust proof material to be used for all parts.		
18	Short description	Oxygen gas flow meter for 49 mm pipe		
19	Material code	IM8307260006		

**Technical Specifications for flowmeter for the indent No. 2011049E****Annexure-D**

<b>Sl.No</b>	<b>Description</b>	<b>BHEL's Specification</b>	<b>Vendor's Specification</b>	<b>Deviation if any</b>
1	Type of Gas	Compressed Air		
2	Make/Model	Burak/BA-1000 or equivalent		
3	Flow range	68 to 5000 SCFM		
4	Flow unit selection	kg/hr, Nm <sup>3</sup> /hr,SCFM,SLPM		
5	Flowmeter display	Digital		
6	Pipeline OD	225 mm		
7	Meter size	8"		
8	Fluid pressure range	3 to 10 bar		
9	Rate of Flow	Pulsating		
10	Mesuring medium temperature	15 to 40 Deg Centigrade		
11	Available power supply	Single phase, 230V,50 Hz		
12	Communication	RS485 Modbus RTU or Equalent		
13	Connection	Flanged end preferably & counter flanges is also to be provided.		
14	Measurement accuracy	2% on both sides instantanious and totalizer.		
15	Measurement (Totalizer)	Instantaneous and totalizer. For totalizer Between given period		
16	Encloser protection	IP 67, Explosion Proof		
17	Material of construction	Rust proof material to be used for all parts.		
18	Short description	Compressed air flow meter for 225 mm pipe		
19	Material code	IM8307260007		