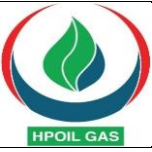
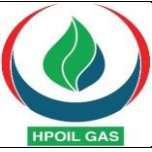
**Annexure I Major Tools / Tackles & Consumables Materials Mandatory to be provided at Control Room/Emergency Vehicle**

Sr. No.	Tools Tackles List	SIZE	NOS.
1.	Fusion Machine with bar code reader	Nos	1
2.	Generator (5KVA) with self-Starter with fuel	Nos	1
3.	Calibrated Gas Detector	Nos	1
4.	Instruments for taking TLP readings (CU-CUSO4 Half-cell and Multi-meter)	KIT	1
5.	Line Locator	Nos	1
6.	Re rounding tools for all size (1 for each size)	Nos	2
7.	Squeeze Tool for pipe dia 32mm	Set	2
8.	Squeeze Tool for pipe dia 63mm	Set	2
9.	Squeeze Tool for pipe dia 125mm	Set	2
10.	Hydraulic Squeeze Tools dia 63mm-180mm	Set	2
11.	Alignment Clamp for pipe dia 63 mm to 180 mm (1 for each size)	Set	2
12.	Alignment clamps (63-180 mm) bend pipes	Nos	1
13.	PE Saddle Clamp	Nos	1
14.	MDPE leak clamp, 125 mm dia	Nos.	2
15.	MDPE leak clamp, 32 mm dia	Nos.	2
16.	MDPE leak clamp, 63 mm dia	Nos.	2
17.	Gun Type MDPE Pipe Cutter 20 – 32 mm	Nos.	1
18.	Gun Type MDPE Pipe Cutter 63 – 180mm	Nos.	1
19.	Instruments for taking Earthing pit readings	Kit	2
20.	First Aid Box	Nos	1



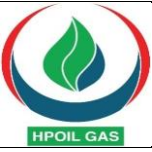
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21.	Drill Machine - 24"	Nos	1
22.	Drill Machine - 10"	Nos	1
23.	Drill Bit	Set	2
24.	Wire Brush	Nos	1
25.	Small Hacksaw	Nos	1
26.	Flame Proof Torch	Nos	1
27.	Normal Torch	Nos	1
28.	Screw Jack with Tommy Bar	Nos	1
29.	PETZL Safety Harness	Nos	1
30.	Extension Board with Cable (with RCCB & MCB)	meter	40
31.	Conversion Kit	Kit	1
32.	PE Cutter	Nos	1
33.	PE Pipe Scraper	Nos	2
34.	Allen key	set	1
35.	Pipe Die for 1/2"	Nos	1
36.	Vice For Pipe Die	Nos	1
37.	Gutkha For Threading	Nos	1
38.	Tool Box	Set	1
39.	Pipe Wrench	Nos	2
40.	Slide Wrench	Nos	1
41.	Screw Driver	Set	1
42.	Fix Spanners (8*9 to 24*27)	Set	1
43.	Ring Spanners (8*9 to 24*27)	Set	1
44.	Hammer	Nos	2
45.	Plastic Hammer	Nos	1
46.	Brass Hammer	Nos	1
47.	Measure Tape (0 to 5 Meter)	Nos	1
48.	Fire Extinguisher 5 Kg	Nos	2
49.	Rope 16mm	metre	60
50.	Emergency Light	Nos	2



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51.	Simmering Tool	Nos	2
52.	Manometer digital type	Nos	1
53.	Gaiti (Tool for excavation)	Nos	2
54.	Phawda	Nos	2
55.	Tagara	Nos	2
56.	Bucket	Nos	2
57.	Sign Board	Nos	2
58.	Van Locker Key	Nos	1
59.	Chisel	Nos	2
60.	File	Nos	2
61.	2½ Pipe Wrench	Nos	1
62.	Valve Chamber Opener	Nos	2
63.	PE Valve Chamber Key	Nos	5
64.	Non Sparkling Tool Set	Set	1
65.	Hack Saw / Blade	Nos	5
66.	Cotton Hand Globes	Pair	5
67.	Acetone	Litre	1
68.	Tissue Paper	Roll	1
69.	Warning Tape	Metre	100
70.	Waste Cloths	Roll	1
71.	First Aid Box	Nos	2
72.	Cordoning Tape	Metre	200
73.	Soap Solution Bottles	Nos	3
74.	Paint Scrappers	Set	1
75.	Pipe Pieces for Leverage to Operate Valve	Set	1
76.	Valve Key Set	Set	1
77.	Grease Gun	Set	1
78.	Paint for painting of chamber walls, pipes, valves, etc.	Ltr.	Maximum 5 Ltrs per month



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79.	Grease for valve greasing	Kg.	Maximum 2 Kgs per month
80.	Guardrails, fences Barricading set	Set	1
81.	Flash Lights	Nos.	1
82.	Line dori & chuna	Set	1
83.	Ladder for egress ingress (Portable and Extension 15 feet Telescopic folding aluminum ladder)	Set	As per req.
84.	Side support set	Set	As per req.
85.	Dewatering Pumps with hose pipes	Nos.	2
86	Pr. Gauge (0 to 1 bar)	Nos.	2
87	Pr. Gauge (0 to 10 bar)	Nos.	2
88.	Adjustable 6" 12" 18" 24"	each	1