

# DIAGRAMS AND SPECIFICATIONS

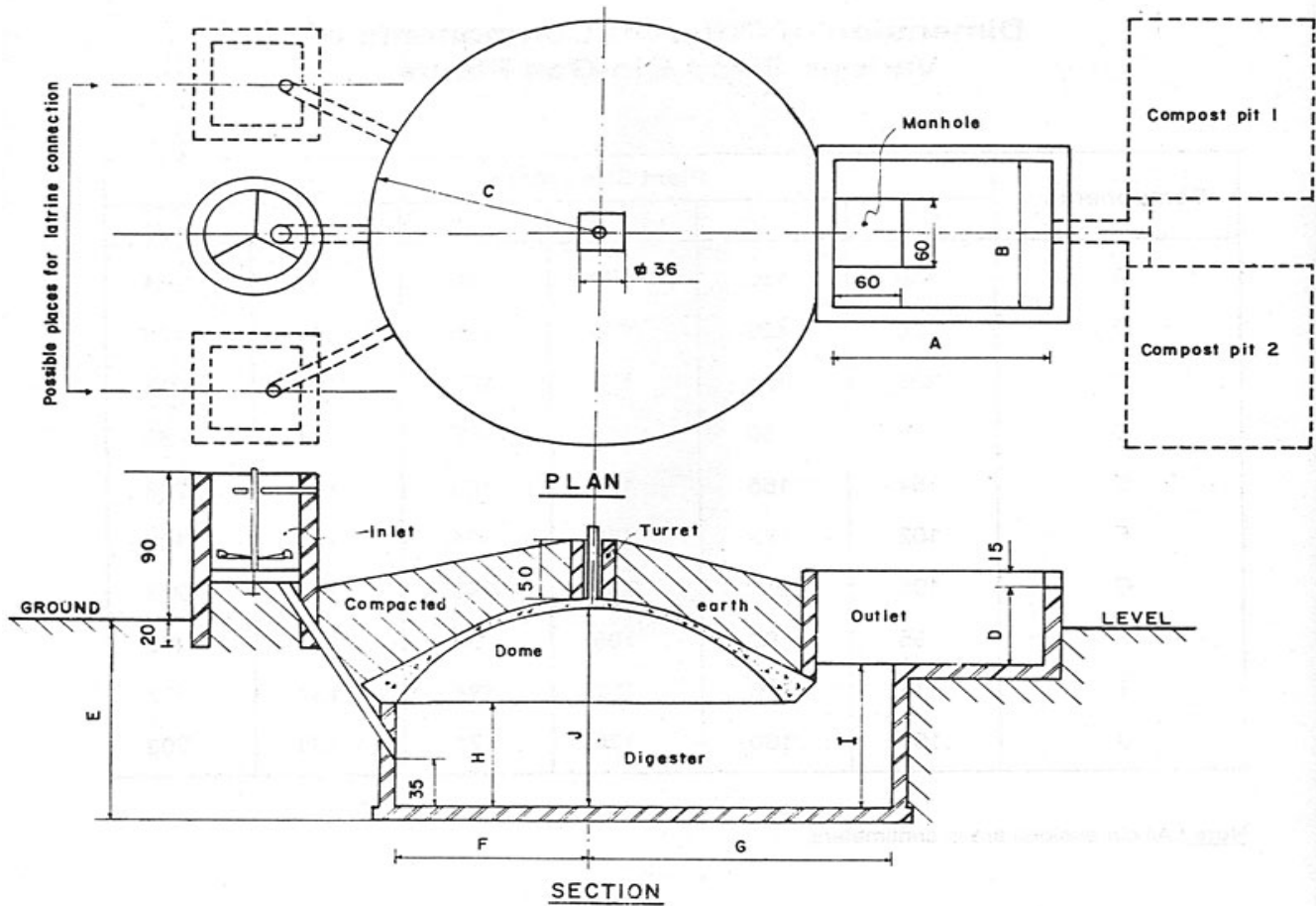
ANNEX-1

## LISTS OF CONSTRUCTION MATERIALS AND APPLIENCES

Particular	Unit	4 m <sup>3</sup>	6 m <sup>3</sup>	8 m <sup>3</sup>	10 m <sup>3</sup>	15 m <sup>3</sup>	20 m <sup>3</sup>
1 Building materials:							
* bricks	piece	1200	1400	1700	2000	2400	2800
* sand	bag	60	70	80	90	110	120
* gravel	bag	30	35	40	50	60	70
* cement	bag	11	13	16	19	27	34
* 6 mm rod	metre	50	60	70	70	90	100
* paint	litre	1	1	1	2	3	4
2 Building labour							
* skilled labour	days	8	8	11	11	13	15
* unskilled labour	days	20	25	30	35	45	55
3 Pipes & appliances:	piece						
* vert. mixer device	piece	1	1	1	1	1	-
* hor. mixer device	piece	-	-	-	-	-	1
* inlet pipe	piece	2	2	2	2	2	2
* dome gas pipe	piece	1	1	1	1	1	1
* GI pipe	piece	12	12	12	12	18	24
* socket	piece	3	3	3	5	5	6
* elbow	piece	5	6	8	8	10	12
* tee	piece	1	2	2	3	4	5
* union	piece	1	1	1	1	1	1
* nipple	piece	3	3	4	4	6	6
* main gas valve	piece	1	1	1	1	1	1
* water drain	piece	1	1	1	1	1	1
* rubber hose	metre	1	1	1	2	2	2
* gas stove	piece	1	1	1	2	2	2
* gas lamp	piece	-	1	1	1	2	3
* teflon tape	roll	2	2	2	3	3	4

1. In case of stone masonry : for 4 and 6 m<sup>3</sup>, 1 extra bag of cement  
for 8 and 10 m<sup>3</sup>, 2 extra bag of cement  
for 15 and 20 m<sup>3</sup>, 3 extra bag of cement

## GENERAL BIOGAS PLANT



**Note :** The dimension of different components of various sized plant have been given in the back.

### Dimension of Different Components of Various Sized Bio-Gas Plants

Components	Plant Size ( m <sup>3</sup> )					
	4	6	8	10	15	20
A	140	150	170	180	248	264
B	120	120	130	125	125	176
C	135	151	170	183	205	233
D	50	60	65	68	84	86
E	154	155	172	168	180	203
F	102	122	135	154	175	199
G	195	211	230	243	265	293
H	86	92	105	94	115	115
I	112	116	127	124	132	137
J	151	160	175	171	193	203

**Note :** All dimensions are in centimeters.