

**Office of the Project Director,
MPPWD,(PIU) NIRMAN BHAWAN, BHOPAL
SEHEDULE OF RATES FOR BUILDING WORKS (w.e.f. 01.08.2014)
(ERRATA/AMMENDMENT/ADDENDUM No. 06)**

The rates of following items (Building SOR w.e.f. 1/8/2014) are ammended as under and rates shall be applicable with effect from the date of issue i.e. 28 /04/2015

**CHAPTER NO. 17
SANITARY INSTALLATION**

ITEM NO	DESCRIPTION	UNIT	RATE (In Rs.)
17.45	Providing and Installing bio digester unit based on DRDO technogy made of fibre re-inforced plastic having composition and the technical specifications such as: PRACENTAGE OF FIBER GLASS (GLASS CONTENT IN FIBER GLASS SHOULD BE MINIMUM 30%) :- 33.33% PERCENTAGE OF POLYSTER RESIN :-66.67% WATER ABSORPTION (AS PER ASTM) :- 0.30% FLAMEABILITY :- AS PER ASTM TENSILE STRENGTH :-115 MPA SPECIFIC GRAVITY AT 25 DEGREE CENTIGRATE :-1.45 IZOD IMPACT STREANGTH :- 65 KJ/M ² HEAT DEFECTION/DISTORT TEMPRATURE :-65 DEG C CORROSION RESISTANCE (NON CORROSIVE) FITTED WITH INLET PIPE SIZE RIGID PVC :-100mm OUTLET PEPE SIZE RIGID PVC :-80mm GAS OUTLET RIGID PVC WITH VALVE :-20mm BACTERIA IMMOBILIZATION PVC MATRIX (ON ALL PARTITION) AND CEAPACITY :-		
17.45.01	UPTO 10 USER SIZE (1.0m X 1.0m X 0.70m) Capacity of bio-digester :- 700 litres Area of top, bottam and side walls 4.80 sq.m. Area of partition walls : 1.40 sq.m Total weight of FRP: 33.48 kg Bacteria inoculum quantity:- 200 litres Minimum thickness of side walls/top and bottom:- 3mm Number of inside partitions :- 2 Minimum thickness of partition wall :- 3mm	Each	40565.00
17.45.02	UPTO 15 USER SIZE (1.0m X 1.0m X 0.10m) Capacity of bio-digester :- 1000 litres Area of top, bottam and side walls 6.00 sq.m. Area of partition walls : 2.00 sq.m Total weight of FRP: 54.00 kg Bacteria inoculum quantity:- 400 litres Minimum thickness of side walls/top and bottom :- 4mm Number of inside partitions :- 2 Minimum thickness of partition wall :- 3mm	Each	68345.00

ITEM NO	DESCRIPTION	UNIT	RATE (In Rs.)
17.45.03	UPTO 25 USER SIZE (1.5m X 1.0m X 1.0m) Capacity of bio-digester :- 1500 litres Area of top, bottam and side walls 8.00 sq.m. Area of partition walls : 2.00 sq.m Total weight of FRP: 82.80 kg Bacteria inoculum quantity :- 400 litres Minimum thickness of side walls/top and bottom :-5mm Number of inside partitions:- 2 Minimum thickness of partition wall:- 3mm	Each	93175.00
17.45.04	UPTO 40 USER SIZE (2.0m X 1.0m X 1.0m) Capacity of bio-digester :- 2000 litres Area of top, bottam and side walls 10.00 sq.m. Area of partition walls : 3.00 sq.m Total weight of FRP: 106.20 kg Bacteria inoculum quantity :- 600 litres Minimum thickness of side walls/top and bottom :- 5mm Number of inside partitions:- 3 Minimum thickness of partition wall :- 3mm	Each	123978.00
17.45.05	UPTO 60 USER SIZE (2.4m X 1.25m X 1.0m) Capacity of bio-digester :- 3000 litres Area of top, bottam and side walls 13.30 sq.m. Area of partition walls : 3.75 sq.m Total weight of FRP: 139.95 kg Bacteria inoculum quantity :- 800litres Minimum thickness of side walls/top and bottom :- 5mm Number of inside partitions :- 3 Minimum thickness of partition wall :- 3mm	Each	163261.00
17.45.06	UPTO 80 USER SIZE (2.7m X 1.5m X 1.0m) Capacity of bio-digester :- 4000 litres Area of top, bottam and side walls 16.50sq.m. Area of partition walls : 4.50 sq.m Total weight of FRP: 202.50 kg Bacteria inoculum quantity :- 1200litres Minimum thickness of side walls/top and bottom :- 6mm Number of inside partitions :-4 Minimum thickness of partition wall:- 3mm	Each	236232.00
17.45.07	UPTO 100 USER SIZE (2.5m X 2.0m X 1.0m) Capacity of bio-digester :- 5000 litres Area of top, bottam and side walls:- 19.00 sq.m. Area of partition walls :- 8.00 sq.m Total weight of FRP:- 248.40 kg Bacteria inoculum quantity :- 1400 litres Minimum thickness of side walls/top and bottom :- 6mm Number of inside partitions :- 4 Minimum thickness of partition wall:- 3mm	Each	290862.00

02.05.2015 TMC = 12.58 PM

12/11/2015
 Project Director
 PWD, P.O. Bhopal

ITEM NO	DESCRIPTION	UNIT	RATE (In Rs.)
17.45.08	UPTO 150 USER SIZE (3.2m X 2.0m X 1.25m) Capacity of bio-digester :- 8000 litres Area of top, bottam and side walls:- 25.80 sq.m. Area of partition walls :- 10.00 sq.m Total weight of FRP:- 397.08 kg Bacteria inoculum quantity :- 2400 litres Minimum thickness of side-walls/top and bottom :- 7mm Number of inside partitions:- 4 Minimum thickness of partition wall:- 4mm	Each	466876.00
17.45.09	UPTO 200 USER SIZE (4.0m X 2.0m X 1.25 m) Capacity of bio-digester :- 10,000 litres Area of top, bottam and side walls:- 31.00 sq.m. Area of partition walls :- 10.00 sq.m Total weight of FRP:- 462.60 kg Bacteria inoculum quantity :- 3000 liters Minimum thickness of side walls/top and bottom :- 7mm Number of inside partitions:- 4 Minimum thickness of partition wall :-4mm	Each	549936.00
17.45.10	UPTO 300 USER SIZE (4.8m X 2.0m X 1.25 m) Capacity of bio-digester :- 12000 litres Area of top, bottam and side walls:- 36.20 sq.m. Area of partition walls :- 10.00 sq.m Total weight of FRP: - 593.28 kg Bacteria inoculum quantity :- 3600 litres Minimum thickness of side walls/top and bottom:- 8mm Number of inside partitions:-4 Minimum thickness of partition wall:- 4mm	Each	689174.00
17.45.11	UPTO 400 USER SIZE (5.0m X 2.0m X 1.5m) Capacity of bio-digester :- 15000 litres Area of top, bottom and side walls:- 41.00sq.m. Area of partition walls:- 12.00 sq. m. Total weight of FRP :- 676.80 kg Bacteria inoculum quantity :- 4400 litres Minimum thickness of side walls/top and bottom:- 8mm Number of inside partitions:- 4 Minimum thickness of partition wall:- 4mm	Each	800153.00
17.45.12	UPTO 500 USER SIZE (6.0m X 2.0m X 1.67m) Capacity of bio-digester :- 20,000 litres Area of top, bottom and side walls:- 50.72 sq.m. Area of partition walls:- 13.36 sq.m. Total weight of FRP :- 917.86 kg Bacteria inoculum quantity:- 6000 litres Minimum thickness of side walls/top and bottom :- 9mm Number of inside partitions :- 4 Minimum thickness of partition wall:- 4mm	Each	1081250.00

The above amendments shall be applicable with effect the from the date of issue i.e. 28.04.2015

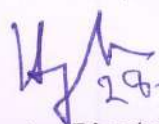
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28/4/2015
Project Director
PWD PIC Bhopal

Bhopal, Date 28/04/2015

Endt. No. F-19-6 /2015/Common SOR/Building/W/PD/1013

Copy is forwarded to:-

1. P.A to Hon'ble Minister, M.P P.W.D. Bhopal
2. The Principal Secretary to Govt. of M.P.P.W.D. Bhopal
3. The Secretary to Govt. of M.P.P.W.D. Bhopal
4. The Engineer-in -Chief, M.P.P.W.D. Bhopal
5. The Chief Technical Examiner, M.P. Bhopal.
6. The Principal Secretary to Govt. Of M.P. Housing & Environment Bhopal.
7. The Accountant General, M.P. Gwalior/Bhopal.
8. The Secretary to Hon'ble Lokayukta, M.P. Bhopal.
9. The Chief Engineer, P.W.D ----- M.P.
10. The Additional Project Director P.W.D. (PIU) ----- M.P.
11. The Chief Engineer, M.P. R.D.C. Bhopal.
12. The Chief Engineer, Rural Engineering Services, M.P. Bhopal
13. The Commissioner, Housing Board, M.P. Bhopal.
14. The Commissioner, Bhopal.
15. The Collector, Bhopal.
16. The Superintending Engineer, Capital Project Circle CPA Bhopal.
17. The Superintending Engineer M.P. PWD -----
18. The Divisional Project Engineer M.P. PWD -----
19. The Executive Engineer, MP P.W.D. Division
20. Chairman, Contractor Association, MP Bhopal.


28-4-2015
Project Director
PWD PIU Bhopal

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